



ecology and environment engineering, p.c.

BUFFALO CORPORATE CENTER

368 Pleasant View Drive, Lancaster, New York 14086

Tel: 716/684-8060, Fax: 716/684-0844

January 9, 2009

Mr. William Welling PE, Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, New York 12233 - 7013

Re: Mr. C's Dry Cleaners Site, Contract # D004442.DC13, Site # 9-15-157
December 2008 Operations, Maintenance, and Monitoring Report

Dear Mr. Welling:

Ecology and Environment Engineering, P.C. (EEEEPC) is pleased to provide the November 2008 Operations, Maintenance, and Monitoring (OM&M) Report for the Mr. C's Dry Cleaners Site, NYSDEC Site # 9-15-157, located in East Aurora, New York. Copies of weekly inspection reports prepared by EEEPC's subcontractor, Iyer Environmental Group, PLLC (IEG) are provided in Attachment A. Selected pages from the individual analytical data package prepared by Mitkem Laboratories, Inc. (MTK) are provided as Attachment B. The full analytical report along with QA/QC information will be retained by EEEPC. Remedial treatment system utility costs for the Mr. C's and Agway sites are provided as Attachment C.

In review of the on-site treatment system operations, monitoring and maintenance for December 2008, EEEPC offers the following comments and highlights:

Operational Summary

Mr. C's Site – Remedial Operations Information

- The treatment system was operational for 100.0% of the period between 12/3/08 and 1/6/09. Table 1 is provided to indicate the monthly operational time of the treatment equipment from the time of system startup.
- The effluent totalizer readings for the month of December 2008 indicate that approximately 959,392 gallons of groundwater were processed through the remedial treatment system for the period 12/3/08 and 1/6/09. Table 2 provides a summary of groundwater volume treated since system start-up. Historical volumes are based on the totalizer readings provided by the subcontractor's weekly inspection forms.

- Checklists for weekly system inspections from IEG are provided as Attachment A for, 12/3, 12/9, 12/16, 12/22, 12/30/08 and 1/6/09. Weekly system checks indicated that the air stripper differential pressure remained between 0.015 to 0.022 inches of water while air stripper pressure varied between 29.5 and 41.0 inches of water column during the month of December 2008. These levels are within the operating range recommended by the equipment manufacturer.
- Filter gauge pressure readings observed during weekly inspections ranged at 5.0 psi, which is within the maximum allowable 15 psi operational limit indicated in the system operation and maintenance manual.
- The Redux sequestering agent approved by SPDES Equivalency permit for use at the Mr. C's site continues to be added to the process stream in order to minimize mineral deposition on the air stripper orifice plates. During December 2008, the feed rate for the agent ranged between 4.0 and 7.0 ml/min.
- The analytical results from compliance sampling performed on December 3, 2008 (Attachment B) and the analytical results were received by EEEPC on December 18, 2008. A review of the analytical data revealed the influent water contaminants above the detection limits to be 957 ug/L or 957 ppb, and the total of the treated effluent contaminants levels to be less than 4.1 ug/L or 4.1 ppb, which are within the compliance discharge limitation of 10 ppb for the site. All other contaminants detected were either below the level of detection or not detected. MTK provides analytical data to sub ppb accuracy, supporting the accurate determination of effluent contaminant levels. Based on analytical results for the December 3, 2008 sampling event, the Mr. C's treatment system continues to effectively remove targeted contaminants from the groundwater below the site.
- Daily Average Flows to the treatment system during the December 2008 reporting period increased approximately 75% over the November 2008 average daily flows.
- A summary of the groundwater pump maintenance for the groundwater pumping system performed by IEG is provided after the January 6, 2009 IEG report.

Agway Site Remedial Information

- Construction equipment is again being parked on the Agway property earlier in the month of December by the contractor for the DOT reconstruction project of Main Street. Later in the month all construction equipment was moved to the south portion of the Agway. As per the Village Assessor the Agway property is owned by a new owner that resides in the village of East Aurora. Contact will be made in January 2009 to discuss the environmental easements associated with the former Agway site.
- The electric motor for the air compressor on the AS unit was making noises in early December 2008. IEG removed the motor December 9, 2008 for repair. The electric motor was repaired and reinstalled on December 16, 2008. No further noises or issues were encountered with the compressor system in December 2008.
- Sampling of the Soil Vapor Extraction system effluent is scheduled for January 2009 at the same time as the 27 Whaley Avenue property.

Subslab Depressurization Systems (SSDS) – First Presbyterian Church and 27 Whaley

- The SSDS systems at the First Presbyterian Church and 27 Whaley Avenue continue to operate normally. The air sampling was performed at the First Presbyterian Church and one discharge emission point on November 14, 2008. As a result of scheduling issues, 27 Whaley Avenue sampling will not be performed until January 2009. The indoor ambient air report for the First Presbyterian Church will be issue in January 2009. In preliminary review of the analytical results, the system is operating properly with PCE and TCE results below DOH guidelines.

Groundwater Monitoring Well Network

- Decommissioning of well MPI-14B was recommended in the Mr. C's Site Management Plan currently under review by NYSDEC.
- A punch list of scheduled repair items was prepared and updated by IEG and repairs are performed as manpower, material availability and weather conditions permit. The current list is included after the January 6, 2009 IEG report.

Mr. C's and Agway Energy Usage Information

A copy of the site utility costs from the Mr. C's and Agway remedial operations for December 2008 and year to date are provided as Attachment C.

Analytical Summary – Groundwater

IEG personnel collected samples of influent and effluent groundwater from the Mr. C's Treatment System on December 3, 2008. Overall cleanup efficiency for the reporting period 12/3/08 to 1/6/09 was 99.57% based on analytical testing performed by Mitkem Laboratories. Excerpts from the Analytical Data package for the December 3, 2008 sampling event are presented in Table 3.

The December 2008 monthly analytical results indicate that the treated groundwater effluent is below the site specific Effluent Discharge Limitation Requirements (SPDES Equivalency Permit) for all compounds. The summary of Effluent Discharge Criteria & Analytical Compliance Results are presented in Table 4.

- Approximately 7.63 pounds of chlorinated volatile organic compounds (cVOCs) were removed from the influent groundwater based on calculations using the effluent discharge analytical results during the reporting period. A summary of the total calculated pounds of cVOC's removed by the system by month and by date is presented in Table 5. These values are based on effluent totalizer readings and assume 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 reporting period.

Mr. William Welling PE, Project Manager

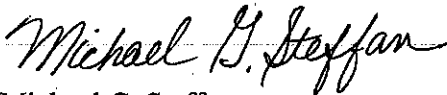
January 9, 2009

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If you have questions regarding the December 2008 OM&M report summary, please do not hesitate to contact me at 716-684-8060.

Very Truly Yours,

Ecology and Environment Engineering, P. C.

A handwritten signature in black ink that reads "Michael G. Steffan". The signature is written in a cursive style with a large, prominent 'M' and 'S'.

Michael G. Steffan

Project Manager

cc: D. Szymanski, Region 9, NYSDEC - Buffalo w/ attachments

D. Iyer, IEG - w/attachments

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Table 1
Mr. C's Dry Cleaners Site Remediation
Site #9-15-157
System Operational Time

Month	Reporting Hours	Operational Up-time ¹
September 2002 ²	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	90.00%
July 2003	744	100%
August 2003	744	100%
September 1-4, 2003	96	100%
October 22 -29, 2003 ³	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 – February 24, 2004	696	100%
February 24 – March 29, 2004	816	99.97%
March 29 – April 26, 2004	672	99.70%
April 26 – May 24, 2004	696	73.70%
May 24 – June 21, 2004	696	99.43%
June 22 – July 26, 2004	840	100%
July 27 – August 23, 2004	672	100%
August 23 - September 27, 2004	840	97.62%
September 27 - October 25, 2004	672	90.33%
October 25 - November 23, 2004	696	92.17%
November 23 - December 27, 2004	816	97.06%
December 27, 2004 - January 31, 2005	840	100%
January 31, 2005 - February 28, 2005	660	98.20%
February 28, 2005 - April 4, 2005	828	98.60%
April 4, 2005 - May 2, 2005	696	87.50%
May 2, 2005 - June 6, 2005	840	91.43%
June 6, 2005 - July 6, 2005	744	86.60%
July 6, 2005 - August 1, 2005	605.5	97.00%
August 1, 2005 - August 29, 2005	696	100.00%
Totals Page 1	25,037.50	93.80%

Table 1
Mr. C's Dry Cleaners Site Remediation
Site #9-15-157
System Operational Time

Month	Reporting Hours	Operational Up-time
Totals forward from Page 1 (8/29/05)	25,037.50	93.80%
October 3, 2005 - October 31, 2005	672	100.00%
October 31, 2005 - November 28, 2005	672	98.06%
November 28, 2005 - January 3, 2006	854	98.84%
January 3, 2006 - February 6, 2006	816	100.00%
February 6, 2006 - March 6, 2006	696	100.00%
March 6, 2006 - April 3, 2006	696	100.00%
April 3, 2006 - May 1, 2006	689	98.99%
May 1, 2006 - May 30, 2006	689	98.99%
May 31, 2006 - July 3, 2006	812	99.50%
July 3, 2006 - July 30, 2006	624	99.50%
July 30, 2006 - August 28, 2006	696	100.00%
August 28, 2006 - October 2, 2006	834	99.30%
October 2, 2006 - October 30, 2006	628	96.91%
October 30, 2006 - November 27, 2006	672	100.00%
November 27, 2006 - December 27, 2006	672	100.00%
December 27, 2006 - February 6, 2007	983	99.00%
February 6, 2007 - February 26, 2007	480	100.00%
February 26, 2007 - March 26, 2007	672	100.00%
March 26, 2007 - May 1, 2007	888	100.00%
May 1, 2007 - May 29, 2007	696	100.00%
May 29, 2007 - June 25, 2007	643	99.25%
June 25, 2007 - July 24, 2007	696	100.00%
July 25, 2007 - August 28, 2007	792	100.00%
August 28, 2007 - October 1, 2007	816	100.00%
October 1, 2007 - October 30, 2007	696	100.00%
October 30, 2007 - November 28, 2007	741	99.59%
November 28, 2007 - January 2, 2008	720	85.71%
January 2, 2008 - January 28, 2008	600	96.00%
January 28, 2008 - February 25, 2008	644	95.83%
February 25, 2008 - March 31, 2008	832	95.83%
March 31, 2008 - April 28, 2008	672	100.00%
April 28, 2008 - May 27, 2008	695	99.80%
May 27, 2008 - June 30, 2008	816	100.00%
June 30, 2008 - July 29, 2008	696	100.00%
July 29, 2008 - August 25, 2008	647	99.80%
August 25, 2008 - September 30, 2008	840	100.00%
September 30, 2008 - October 30, 2008	720	100.00%
October 30, 2008 - December 3, 2008	816	100.00%
December 3, 2008 - January 6, 2009	816	100.00%

Total Hours **53,376.50**

Average Operational Up-time = **95.61%**

NOTES:

1. p-time based as percentage of total reporting hours
2. Treatment system operated by the Tyree Organization Ltd. from 9/02-9/03.
3. Treatment system operated by O&M Enterprises Inc. from 10/03 - 7/07.
4. Treatment system operated by Iyer Environmental Group from 7/07 to present

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	10/29/03 - 11/25/03	224,278
December 2003 ²	11/25/03 - 12/29/03	1,496,271
January 2004 ²	12/29/03 - 01/26/04	688,034
February 2004 ²	01/26/04 - 02/24/04	736,288
March 2004 ²	02/24/04 - 03/29/04	2,164,569
April 2004 ²	03/29/04 - 04/26/04	1,741,730
May 2004 ²	4/26/2004 - 5/24/2004	1,408,095
June 2004 ²	5/24/2004 - 6/21/2004	972,132
July 2004 ²	6/22/2004 - 7/26/2004	1,858,790
August 2004 ²	7/27/04 - 8/23/04	1,289,960
September 2004 ²	8/23/04 - 9/27/04	1,201,913
October 2004 ²	9/27/04 - 10/25/04	937,560
November 2004 ²	10/25/04 - 11/23/04	1,098,158
December 2004 ²	11/23/04 - 12/27/04	1,556,063
January 2005 ²	12/27/04 - 1/31/05	1,798,238
February 2005 ²	1/31/05 - 2/28/05	1,271,562
March 2005 ²	2/28/05 - 4/4/05	1,295,692
April 2005 ²	4/4/05 - 5/2/05	1,652,510
May 2005 ²	5/2/05 - 6/6/05	1,423,099
June 2005 ²	6/6/05 - 7/6/05	877,988
July 2005 ²	7/6/05 - 8/1/05	1,283,302
August 2005 ²	8/1/05 - 8/29/05	1,443,195
Total Page 1	9/5/02 - 8/29/05	62,398,028

NOTES:

1. System operated by Tyree Organization Ltd. From 9/02 - 9/03
2. System operated by O&M Enterprises from 9/03 - 7/07
3. System operated by IEG from 7/07 to present

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

Month	Actual Period	Gallons
Total from Page 1	9/5/02 - 8/29/05	62,398,028
September 2005 ²	8/29/05 - 10/3/05	1,591,248
October 2005 ²	10/3/05 - 10/31/05	1,204,074
November 2005 ²	10/31/05 - 11/28/05	1,038,170
December 2005 ²	11/28/05 - 1/3/06	1,182,854
January 2006 ²	1/3/06 - 2/6/06	1,401,821
February 2006 ²	2/6/06 - 3/6/06	1,927,556
March 2006 ²	3/6/06 - 4/3/06	1,838,541
April 2006 ²	4/3/06 - 5/1/06	1,116,192
May 2006 ²	5/1/06 - 5/30/06	1,053,047
June 2006 ²	5/30/06 - 7/3/06	1,092,786
July 2006 ²	7/3/06 - 7/30/06	813,264
August 2006 ²	7/30/06 - 8/28/06	860,366
September 2006 ²	8/28/06 - 10/2/06	1,107,730
October 2006 ²	10/2/06 - 10/30/06	818,535
November 2006 ²	10/30/06 - 11/27/06	903,959
December 2006 ²	11/27/06 - 12/27/06	967,671
January 2007 ²	12/27/06 - 2/6/07	1,229,105
February 2007 ²	2/6/07 - 2/26/07	913,610
March 2007 ²	2/26/07 - 3/26/07	882,228
April 2007 ²	3/26/07 - 5/1/07	1,127,096
May 2007 ²	5/1/07 - 5/29/07	853,697
June 2007 ²	5/29/07 - 6/25/07	755,060
July 2007 ³	6/25/07 - 7/24/07	785,379
August 2007 ³	7/25/07 - 8/28/07	899,340
September 2007 ³	8/2/07 - 10/1/07	804,420
October 2007 ³	10/1/07 - 10/30/07	647,173
November 2007 ³	10/30/07 - 11/28/07	672,600
December 2007 ³	11/28/07 - 1/2/08	436,175
January 2008 ³	1/2/08 - 1/28/08	180,820
February 2008 ³	1/28/08 - 2/25/08	470,370
March 2008 ³	2/25/08 - 3/31/08	767,163
April 2008 ³	3/31/08 - 4/28/08	607,682
May 2008 ³	4/28/08 - 5/27/08	569,568
June 2008 ³	5/27/08 - 6/30/08	653,647
July 2008 ³	6/30/08 - 7/29/08	619,654
August 2008 ³	7/29/08 - 8/25/08	606,098
September 2008 ³	8/25/08 - 9/30/08	985,101
October 2008 ³	9/30/08 - 10/30/08	621,149
November 2008 ³	10/30/08 - 12/3/08	540,781
December 2008 ³	12/3/08 - 1/6/09	959,392
Total Gallons Treated To Date:		98,903,150

NOTES:

1. System operated by Tyree Organization Ltd. From 9/02 - 9/03
2. System operated by O&M Enterprises from 10/03 - 7/07
3. System operated by IEG PLLC from 7/07 - present

Table 3
 Mr. C's Dry Cleaners Site Remediation
 NYSDEC Site #9-15-157
 December 2008 VOC Analytical Summary

Compound	12/3/2008 Sampling Results			Cleanup Efficiency (%)	
	Influent Concentration* (ug/L)	Effluent Concentration* (ug/L)			
Acetone	ND (<50.0)	U	ND (<5.0)	U	NA
Benzene	ND (<10.0)	U	ND (<1.0)	U	NA
2-Butanone	ND (<50.0)	U	ND (<5.0)	U	NA
cis-1, 2-Dichloroethene	16.00		ND (<1.0)	U	100%
Methylene chloride	ND (<10.0)	U	ND (<1.0)	U	NA
Methyl tert-butyl ether (MTBE)	ND (<10)		2		80.00%
Tetrachloroethene	900.00		2.1		99.77%
Toluene	ND (<10.0)	U	ND (<1.0)	U	NA
Trichloroethene	41.00		ND (<1.0)	U	100%
Carbon Disulfide	ND (<10.0)	U	ND (<1.0)	U	NA
1,1,2 Trichloro-1,2,2-trifluoroethane	ND (<10.0)	U	ND (<1.0)	U	NA
Cyclohexane	ND (<10.0)	U	ND (<1.0)	U	NA
Methylcyclohexane	ND (<10.0)	U	ND (<1.0)	U	NA
Total Xylenes	ND (<10.0)	U	ND (<1.0)	U	NA
December 3, 2008 TOTALs (in ug/L) =	957.00		4.1		99.57%

Notes:

1. "NA" = Not applicable
2. "ND" or "U" = Compound analyzed, but was not detected. Detection limit in parentheses
3. "J" indicates an estimated value below the practical quantitation limit but above the method detection limit.
4. Non-detect values are assumed to be equal to zero for calculation of monthly average concentrations.
5. "D" = Compounds identified in analysis required secondary dilution factoring.

* (<50) - Detection Limit

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

Parameter/Analyte	Daily Maximum ¹	Units	December 3, 2008 Effluent Analytical Values - Compliance
Flow	216,000	gpd	28,217.41
pH	6.0 - 9.0	standard units	8.10
1,1 Dichloroethene	10	µg/L	ND(<1.0)
1,2 Dichloroethane	10	µg/L	ND(<1.0)
Trichloroethene	10	µg/L	ND(<1.0)
Tetrachloroethene	10	µg/L	2.1
Vinyl Chloride	10	µg/L	ND(<1.0)
Benzene	5	µg/L	ND(<1.0)
Ethylbenzene	5	µg/L	ND(<1.0)
Methylene Chloride	10	µg/L	ND(<1.0)
1,1,1 Trichloroethane	10	µg/L	ND(<1.0)
Toluene	5	µg/L	ND(<1.0)
Methyl-t-Butyl Ether (MTBE)	NA	µg/L	2
o-Xylene ²	5	µg/L	NA
m, p-Xylene ²	10	µg/L	NA
Total Xylenes	NA	µg/L	ND(<1.0)
Iron, total	600	µg/l	NA
Aluminum	4,000	µg/l	NA
Copper	148	µg/l	NA
Lead	11	µg/l	NA
Manganese	2,000	µg/l	NA
Silver	100	µg/l	NA
Vanadium	28	µg/l	NA
Zinc	240	µg/l	NA
Total Dissolved Solids	850	mg/l	NA
Total Suspended Solids	20	mg/l	NA
Hardness	N/A	mg/l	570
Cyanide, Free	10	µg/l	NA

NOTES:

- "Daily Maximum" excerpted from Attachment E of Addendum 1 to the Construction Contract Documents dated October 2000.
- Analytical report did not differentiate between o-Xylene and m, p-Xylene. Total Xylene value reported is given in each line.
- Shaded cells indicate that analytical value exceeds the "Daily Maximum"
- "ND" indicates that the compound was not detected and lists the practical quantitation limit in parentheses.
- "NA" indicates that analyses were not performed and data is unavailable.
- Average flows based on effluent readings taken December 3, 2008 through January 6, 2009. Total gallons: 959,352 divided by 34 operating days (816 actual operating hours).
- "J" indicates an estimated value below the detection limit.
- "B" indicates analyte found in the associated blank.

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NR
Indicates non-compliance with the NYSDEC effluent discharge requirements
Indicates Not Reported by Lab

Table 5
Mr. C's Dry Cleaners Site Remediation
Site #9-15-157
Monthly VOCs Removed From Groundwater

Month	Actual Period	Influent VOCs (µg/L)	Effluent VOCs (µg/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	03/29/04 - 04/26/04	2255	0.0	32.8
May 2004 ⁷	4/26/2004 - 5/24/2004	2641	13.3	30.9
June 2004 ⁷	5/24/2004 - 6/21/2004	1454	1.7	22.5
July 2004 ⁷	6/22/2004 - 7/26/2004	1313	3.6	20.3
August 2004 ⁷	7/27/04 - 8/23/04	2305	7.4	24.7
September 2004 ⁷	8/23/04 - 9/27/04	1453	6.7	14.5
October 2004 ⁷	9/27/04 - 10/25/04	1504	14.3	11.7
November 2004 ⁷	10/25/04 - 11/23/04	1480	36.42	13.2
December 2004 ^{7,8}	11/23/04 - 12/27/04	1562	132.21	18.6
January 2005 ⁷	12/27/04 - 1/31/05	1264	47.5	18.3
February 2005 ⁹	1/31/05 - 2/28/05	1538	53.2	15.8
March 2005 ⁹	2/28/05 - 4/4/05	931	56.0	9.5
April 2005 ⁹	4/4/05 - 5/2/05	1269	111.7	15.96
May 2005 ⁹	5/2/05 - 6/6/05	1431	319.0	13.20
June 2005 ⁹	6/6/05 - 7/6/05	1126	12	8.16
July 2005 ⁹	7/6/05 - 8/1/05	1575	5.90	16.80
August 2005 ⁹	8/1/05 - 8/29/05	1359	51.26	15.70
Total pounds of VOCs removed from inception to August 2005 =				928.04

Table 5
Mr. C's Dry Cleaners Site Remediation
Site #9-15-157
Monthly VOCs Removed From Groundwater

Month	Actual Period	Influent VOCs (µg/L)	Effluent VOCs (µg/L)	VOCs Removed (lbs.)
Total pounds of VOCs removed from inception to August 2005 =				928.04
September 2005 ⁹	8/29/05 - 10/3/05	1239	0.47	16.50
October 2005 ⁹	10/3/05 - 10/31/05	1454	0.81	14.60
November 2005 ⁹	10/31/05 - 11/28/05	2266	6.80	0.00
December 2005	11/28/05 - 1/3/06	1166	1.30	11.50
January 2006	1/3/06 - 2/6/06	1679	11.87	13.62
February 2006	2/6/06 - 3/6/06	1465	90.20	16.56
March 2006	3/6/06 - 4/4/06	1475	2.00	22.43
April 2006	4/4/06 - 5/1/06	1465	8.80	13.56
May 2006	5/1/06 - 5/30/06	1263	0.00	11.07
June 2006	5/30/06 - 7/3/06	1994	1.40	18.17
July 2006	7/3/06 - 7/30/06	2010	1.40	13.64
August 2006	7/30/06 - 8/28/06	1296	8.60	9.24
September 2006	8/28/06 - 10/2/06	1384	2.90	12.77
October 2006	10/2/06 - 10/30/06	1262	3.90	8.56
November 2006	10/30/06 - 11/27/06	1152	10.30	8.61
December 2006	11/27/06 - 12/27/06	1210	16.20	9.63
January 2007	12/27/06 - 2/6/07	1406	1.30	14.40
February 2007	2/6/07 - 2/26/07	1017	4.70	7.72
March 2007	2/26/07 - 3/26/07	1693	0.80	12.47
April 2007	3/26/07 - 5/1/07	1665	3.10	15.63
May 2007	5/1/07 - 5/29/07	1666	0.76	11.86
June 2007	5/29/07 - 6/25/07	1478	15.50	9.21
July 2007	6/25/07 - 7/24/07	1268	8.90	8.25
August 2007	7/25/07 - 8/28/07	1429	0.00	10.72
September 2007	8/28/07-10/1/07	1719	2.00	11.54
October 2007	10/1/07-10/30/07	1875	2.00	10.68
November 2007	10/30/07-11/28/07	1296	13.50	6.47
December 2007	11/28/07-1/2/08	1175	0.00	4.27
January 2008	1/2/08-1/28/08	3460	0.00	5.22
February 2008	1/28/08-2/25/08	2947	0.00	11.57
March 2008	2/25/08-3/31/08	1174	0.00	7.52
April 2008	3/31/08-4/28/08	1341	0.00	6.80
May 2008	4/28/08-5/27/08	1471	0.00	6.99
June 2008	5/27/08-6/30/08	1274	0.00	6.95
July 2008	6/30/08-7/29/08	1370	3.10	7.07
August 2008	7/29/08-8/25/08	741	2.80	3.79
September 2008	8/25/08-9/30/08	914	4.70	7.47
October 2008	9/30/08-10/30/08	1377	0.00	7.14
November 2008	10/30/08-12/3/08	2345	3.80	10.56
December 2008	12/3/08-1/6/09	957	4.10	7.63
Total pounds of VOCs removed since inception =				1,340.43

NOTES:

- Calculations are based on monthly water samples and assumes samples are representative of the entire reporting period.
- Calculations assume that non-detect values = 0 ug/L.
- Total VOCs summations include estimated "J" values.
- Calculations are based on effluent totalizer readings.
- "Influent VOCs" and "Effluent VOCs" values given above is the summation of values for individual compounds given in monthly analytical reports.
- No samples were collected in September 2003; August 2003 values are used.
- Treatment system operated by Tyree Organization, Ltd. from 9/02 to 9/03.
- Treatment system operated by O&M Enterprises from 10/03 to 7/07.
- Treatment system operated by IEG from 7/07 to present.

CONVERSIONS:

1 pound = 453.5924 grams
 1 gallon = 3.785 liters

Based on the Analytical Results from December 3, 2008:

Pounds of VOCs removed calculated by the following formula:

$957 \mu\text{g/L} - 4.1 \mu\text{g/L} * (0.001 / 10^6 \mu\text{g}) * (1 \text{ lb} / 453.5924 \text{ g}) * 959.392 \text{ gallons} * (3.785 \text{ L/gallon}) \sim 7.63 \text{ lbs}$
 where 959,392 gallons is the monthly process water volume.

Attachment A
IEG Weekly Inspection Reports
December 2008

Including:

12/3/08

12/9/08

12/16/08

12/22/08

12/30/08

1/6/09

MR. C's DRY CLEANERS SITE
NYSDEC Site #9-15-157
OM&M: SITE INSPECTION FORM

DATE: <u>3-Dec-08</u>		ACTIVITIES: <u>Site Inspection</u>			
INSPECTION PERSONNEL: <u>R. Allen</u>		OTHER PERSONNEL: <u>D. Szymanski (NYSDEC)</u>			
WEATHER CONDITIONS: <u>Partly cloudy, cool</u>		OUTSIDE TEMPERATURE (°F): <u>35</u>			
ARE WELL PUMPS OPERATING IN AUTO: YES: <input checked="" type="checkbox"/> NO: <input type="checkbox"/> If "NO", provide explanation below					
PROVIDE WATER LEVEL READINGS ON CONTROL PANEL					
RW-1	ON: _____	OFF: <input checked="" type="checkbox"/> <u>7</u> ft	PW-5	ON: _____	OFF: <input checked="" type="checkbox"/> <u>7</u> ft
PW-2	ON: _____	OFF: <input checked="" type="checkbox"/> <u>7</u> ft	PW-6	ON: _____	OFF: <input checked="" type="checkbox"/> <u>4</u> ft
PW-3	ON: _____	OFF: <input checked="" type="checkbox"/> <u>5</u> ft	PW-7	ON: <input checked="" type="checkbox"/>	OFF: _____ <u>4</u> ft
PW-4	ON: _____	OFF: <input checked="" type="checkbox"/> <u>7</u> ft	PW-8	ON: <input checked="" type="checkbox"/>	OFF: _____ <u>4</u> ft
EQUALIZATION TANK: <u>4</u> ft		Last Alarm D/T/Condition: <u>11/14/08 Air Stripper low level</u>			
NOTES: _____					
INFLUENT FLOW RATE: <u>75</u> gpm		INFLUENT TOTALIZER READING: <u>9,654,504</u> gallons			
SEQUESTERING AGENT DRUM LEVEL: <u>2</u> inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>3.4</u> gallons			
SEQUESTERING AGENT FEED RATE: <u>4.0</u> ml/min		METERING PUMP PRESSURE: <u>4.0</u> psi			
BAG FILTER PRESSURES:		Top Bottom			
LEFT: <u>0</u> <u>0</u> psi		RIGHT: <u>5</u> <u>0</u> psi			
INFLUENT FEED PUMP IN USE: #1 _____ #2 <input checked="" type="checkbox"/>		INFLUENT PUMP PRESSURE: <u>29</u> psi			
AIR STRIPPER BLOWER IN USE: #1 _____ #2 <input checked="" type="checkbox"/>		AIR STRIPPER PRESSURE: <u>39.5</u> in. H ₂ O			
AIR STRIPPER DIFFERENTIAL PRESSURE: <u>0.022</u> in. H ₂ O		DISCHARGE PRESSURE: <u>0.9</u> in. H ₂ O			
EFFLUENT PUMP IN USE: #1 <input checked="" type="checkbox"/> #2 _____		EFFLUENT FEED PUMP PRESSURE: <u>8.5</u> psi			
EFFLUENT FLOW RATE: <u>84</u> gpm		EFFLUENT TOTALIZER READING: <u>48,017,531</u> <u>132030</u> gallons			
ARE BUILDING HEATERS IN USE? YES: _____ NO: _____		INSIDE TEMPERATURE (°F): _____			
IS SUMP PUMP IN USE: YES: <input checked="" type="checkbox"/> NO: _____		ARE ANY LEAKS PRESENT? YES: <input checked="" type="checkbox"/> NO: _____			
WATER LEVEL IN SUMP: <u>7.0</u> in.		TREATMENT BUILDING CLEAN & ORGANIZED? YES: <input checked="" type="checkbox"/> NO: _____			

MR. C's DRY CLEANERS SITE
NYSDEC Site #90150157
SITE INSPECTION FORM

3-Dec-08

SAMPLES COLLECTED? YES: NO:

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	11:00A	7.52	6.26	12.6	3210
AIR STRIPPER EFFLUENT:	EFF	11:00A	8.46	6.46	12.6	3046

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 below:

Most monitoring wells and underground enclosures are covered with ice, snow or water.

INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON MR. C's SITE

Remarks: Empties (5) gals from Air Stripper exhaust drip bucket.

Installed vent cover/insulation over Treatment Room door

Other Actions: Increased Redux feed rate slightly: Left knob to 2.75; Right knob to 1.5

D. Symanski (DEC) suggest wall mount for effluent pipe (at three places); was not pleased about road construction equipment at Agway site; is going to talk to DOT/Town project engineer; IEG to call him about damage or digging in front of Cleaners.

AGWAY

SYSTEM VACUUM: <u>-19</u> In. H ₂ O				AIR PRESSURE: <u>10</u> psi			
SP-1:	<u>0.0</u>	scfm	<u>8.0</u> psi	SP-5:	<u>0.0</u>	scfm	<u>29.0</u> psi
SP-2:	<u>7.0</u>	scfm	<u>7.0</u> psi	SP-6:	<u>1.5</u>	scfm	<u>>30</u> psi
SP-3:	<u>0.0</u>	scfm	<u>7.5</u> psi	SP-7:	<u>0.0</u>	scfm	<u>>30</u> psi
SP-4:	<u>0.0</u>	scfm	<u>8.0</u> psi	SP-8:	<u>0.0</u>	scfm	<u>>30</u> psi

INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON AGWAY SITE

Remarks: Construction equipment parked throughout Agway site.

Ratling sound is louder on compressor motor

Other Actions: Talked to Dario about keeping equipment away from PW-2, PW-3 and shed.

Emptied (10) gals from SVE vacuum drum

MR. C's DRY CLEANERS SITE
NYSDEC Site #9-15-157
OM&M: SITE INSPECTION FORM

DATE: <u>9-Dec-08</u>		ACTIVITIES: <u>Site Inspection</u>			
INSPECTION PERSONNEL: <u>R. Allen, D. Iyer</u>		OTHER PERSONNEL: _____			
WEATHER CONDITIONS: <u>Cloudy with rain, cool</u>		OUTSIDE TEMPERATURE (°F): <u>35</u>			
ARE WELL PUMPS OPERATING IN AUTO: YES: <input checked="" type="checkbox"/> NO: _____ If "NO", provide explanation below: _____					
PROVIDE WATER LEVEL READINGS ON CONTROL PANEL					
RW-1	ON: _____	OFF: <input checked="" type="checkbox"/> <u>4</u> ft	PW-5	ON: _____	OFF: <input checked="" type="checkbox"/> <u>6</u> ft
PW-2	ON: _____	OFF: <input checked="" type="checkbox"/> <u>7</u> ft	PW-6	ON: _____	OFF: <input checked="" type="checkbox"/> <u>6</u> ft
PW-3	ON: _____	OFF: <input checked="" type="checkbox"/> <u>5</u> ft	PW-7	ON: _____	OFF: <input checked="" type="checkbox"/> <u>6</u> ft
PW-4	ON: _____	OFF: <input checked="" type="checkbox"/> <u>4</u> ft	PW-8	ON: _____	OFF: <input checked="" type="checkbox"/> <u>7</u> ft
EQUALIZATION TANK: <u>4</u> ft		Last Alarm D/T/Condition: <u>11/14/08 Air Stripper Low Level</u>			
NOTES: _____					
INFLUENT FLOW RATE: <u>25</u> gpm		INFLUENT TOTALIZER READING: <u>9,935,457.0</u> gallons			
SEQUESTERING AGENT DRUM LEVEL: <u>32</u> inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>54.4</u> gallons			
SEQUESTERING AGENT FEED RATE: <u>5.0</u> ml/min		METERING PUMP PRESSURE: <u>3.5</u> psi			
BAG FILTER PRESSURES:		Top	Bottom	Top	Bottom
LEFT:		<u>0</u>	<u>0</u>	RIGHT:	<u>5</u>
		psi		psi	
INFLUENT FEED PUMP IN USE: #1 _____ #2 <input checked="" type="checkbox"/>		INFLUENT PUMP PRESSURE: <u>29</u> psi			
AIR STRIPPER BLOWER IN USE: #1 _____ #2 <input checked="" type="checkbox"/>		AIR STRIPPER PRESSURE: <u>39.0</u> in. H ₂ O			
AIR STRIPPER DIFFERENTIAL PRESSURE: <u>0.021</u> in. H ₂ O		DISCHARGE PRESSURE: <u>0.8</u> in. H ₂ O			
EFFLUENT PUMP IN USE: #1 <input checked="" type="checkbox"/> #2 _____		EFFLUENT FEED PUMP PRESSURE: <u>10.0</u> psi			
EFFLUENT FLOW RATE: <u>80</u> gpm		EFFLUENT TOTALIZER READING: <u>48,178,819</u> 293900 gallons			
ARE BUILDING HEATERS IN USE? YES: <input checked="" type="checkbox"/> NO: _____		INSIDE TEMPERATURE (°F): <u>63</u>			
IS SUMP PUMP IN USE: YES: <input checked="" type="checkbox"/> NO: _____		ARE ANY LEAKS PRESENT? YES: <input checked="" type="checkbox"/> NO: _____			
WATER LEVEL IN SUMP: <u>5.0</u> in.		TREATMENT BUILDING CLEAN & ORGANIZED? YES: <input checked="" type="checkbox"/> NO: _____			

MR. C's DRY CLEANERS SITE
NYSDEC Site #90150157
SITE INSPECTION FORM

9-Dec-08

SAMPLES COLLECTED? YES: _____ NO: √

Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
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AIR STRIPPER INFLUENT: _____

AIR STRIPPER EFFLUENT: _____

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 below:

MWs and UEs are covered with snow or puddles from ongoing precipitation.

INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON MR. C's SITE

Remarks: Emptied (4) gals from Air Stripper exhaust drip bucket.

Other Actions: Redux pump is not working. Disconnected Pentabloc Valve and the pump resumed pumping properly. Will call about problem with valve. Set Redux pump at: Right 3.0; Left 2.9.

AGWAY

SYSTEM VACUUM: -19 in. H₂O

AIR PRESSURE: 10 psi

SP-1: <u> 0.0 </u> scfm <u> 9.0 </u> psi	SP-5: <u> 0.0 </u> scfm <u> 28.5 </u> psi
SP-2: <u> 7.9 </u> scfm <u> 7.0 </u> psi	SP-6: <u> 1.6 </u> scfm <u> > 30 </u> psi
SP-3: <u> 0.0 </u> scfm <u> 9.0 </u> psi	SP-7: <u> 0.0 </u> scfm <u> > 30 </u> psi
SP-4: <u> 0.0 </u> scfm <u> 9.0 </u> psi	SP-8: <u> 0.0 </u> scfm <u> > 30 </u> psi

INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON AGWAY SITE

Remarks: There is a new construction company parking equipment on the Agway site (Northrup Construction Co). Talked to an employee about not parking equipment near the shed.

Other Actions: Emptied (10) gals from SVE vacuum barrel.

Removed Baldor motor from air compressor and delivered it to S&S Electric for repair.

MR. C's DRY CLEANERS SITE
NYSDEC Site #9-15-157
OM&M: SITE INSPECTION FORM

DATE: <u>16-Dec-08</u>		ACTIVITIES: <u>Site Inspection</u>	
INSPECTION PERSONNEL: <u>R. Allen, D. Iyer</u>		OTHER PERSONNEL: _____	
WEATHER CONDITIONS: <u>Cloudy, cold</u>		OUTSIDE TEMPERATURE (° F): <u>30</u>	
ARE WELL PUMPS OPERATING IN AUTO: YES: <input checked="" type="checkbox"/> NO: _____ If "NO", provide explanation below			
PROVIDE WATER LEVEL READINGS ON CONTROL PANEL			
RW-1	ON: <input checked="" type="checkbox"/>	OFF: <u>4</u> ft	PW-5 ON: _____ OFF: <input checked="" type="checkbox"/> <u>7</u> ft
PW-2	ON: _____	OFF: <input checked="" type="checkbox"/> <u>5</u> ft	PW-6 ON: <input checked="" type="checkbox"/> OFF: _____ <u>7</u> ft
PW-3	ON: <input checked="" type="checkbox"/>	OFF: _____ <u>4</u> ft	PW-7 ON: <input checked="" type="checkbox"/> OFF: _____ <u>5</u> ft
PW-4	ON: <input checked="" type="checkbox"/>	OFF: _____ <u>7</u> ft	PW-8 ON: _____ OFF: <input checked="" type="checkbox"/> <u>5</u> ft
EQUALIZATION TANK: <u>4</u> ft		Last Alarm D/T/Condition: <u>11/14/08 Air Stripper Low Level</u>	
NOTES: _____			
INFLUENT FLOW RATE: <u>76</u> gpm		INFLUENT TOTALIZER READING: <u>265,690.0</u> gallons	
SEQUESTERING AGENT DRUM LEVEL: <u>9</u> inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>15.3</u> gallons	
SEQUESTERING AGENT FEED RATE: <u>4.0</u> ml/min		METERING PUMP PRESSURE: <u>3.5</u> psi	
BAG FILTER PRESSURES:		BAG FILTER PRESSURES:	
	Top Bottom	Top Bottom	
LEFT:	<u>0</u> <u>0</u> psi	RIGHT:	<u>5</u> <u>0</u> psi
INFLUENT FEED PUMP IN USE: #1 _____ #2 <input checked="" type="checkbox"/>		INFLUENT PUMP PRESSURE: <u>29</u> psi	
AIR STRIPPER BLOWER IN USE: #1 _____ #2 <input checked="" type="checkbox"/>		AIR STRIPPER PRESSURE: <u>41.0</u> in. H ₂ O	
AIR STRIPPER DIFFERENTIAL PRESSURE: <u>0.02</u> in. H ₂ O		DISCHARGE PRESSURE: <u>0.8</u> in. H ₂ O	
EFFLUENT PUMP IN USE: #1 <input checked="" type="checkbox"/> #2 _____		EFFLUENT FEED PUMP PRESSURE: <u>8.0</u> psi	
EFFLUENT FLOW RATE: <u>84</u> gpm		EFFLUENT TOTALIZER READING: <u>48,368,045</u> 483550 gallons	
ARE BUILDING HEATERS IN USE? YES: <input checked="" type="checkbox"/> NO: _____		INSIDE TEMPERATURE (° F): <u>64</u>	
IS SUMP PUMP IN USE: YES: <input checked="" type="checkbox"/> NO: _____		ARE ANY LEAKS PRESENT? YES: <input checked="" type="checkbox"/> NO: _____	
WATER LEVEL IN SUMP: <u>5.0</u> in.		TREATMENT BUILDING CLEAN & ORGANIZED? YES: <input checked="" type="checkbox"/> NO: _____	

MR. C's DRY CLEANERS SITE
NYSDEC Site #90150157
SITE INSPECTION FORM

16-Dec-08

SAMPLES COLLECTED? YES: _____ NO: ✓

Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
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AIR STRIPPER INFLUENT: _____

AIR STRIPPER EFFLUENT: _____

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 below:

A few of the MWs are covered with ice.

INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON MR. C's SITE

Remarks: Reset Redux pump to : Left 2.0 ; Right 1.0.

Other Actions: Emptied (4) gals from Air Stripper exhaust drip bucket.

Emptied last of previous Redux drum into present drum. Rinsed out previous drum.

AGWAY

SYSTEM VACUUM: -23 in. H₂O

AIR PRESSURE: 95 psi

SP-1: <u> 1.2 </u> scfm	<u> 2.5 </u> psi	SP-5: <u> 0.0 </u> scfm	<u> 28.5 </u> psi
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SP-2: <u> 10.0 </u> scfm	<u> 15.0 </u> psi	SP-6: <u> 1.6 </u> scfm	<u> > 30 </u> psi
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SP-3: <u> 0.0 </u> scfm	<u> 16.5 </u> psi	SP-7: <u> 0.0 </u> scfm	<u> > 30 </u> psi
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SP-4: <u> 0.0 </u> scfm	<u> 17.0 </u> psi	SP-8: <u> 0.0 </u> scfm	<u> > 30 </u> psi
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INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON AGWAY SITE

Remarks: Construction materials have been moved to the south end of Agway site.

Other Actions: Picked up repaired Baldor motor from S&S Electric. Installed repaired electric motor onto compressor.

MR. C's DRY CLEANERS SITE
NYSDEC Site #9-15-157
OM&M: SITE INSPECTION FORM

DATE: <u>Dec. 22, 2008</u>		ACTIVITIES: <u>Site Inspection</u>	
INSPECTION PERSONNEL: <u>R. Allen, D. Iyer</u>		OTHER PERSONNEL: <u>---</u>	
WEATHER CONDITIONS: <u>Cloudy, windy, cold</u>		OUTSIDE TEMPERATURE (°F): <u>20</u>	
ARE WELL PUMPS OPERATING IN AUTO: YES: <input checked="" type="checkbox"/> NO: <input type="checkbox"/> If "NO", provide explanation below			
PROVIDE WATER LEVEL READINGS ON CONTROL PANEL			
RW-1	ON: <input checked="" type="checkbox"/>	OFF: <u>11</u> ft	PW-5 ON: <input type="checkbox"/> OFF: <input checked="" type="checkbox"/> <u>7</u> ft
PW-2	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>7</u> ft	PW-6 ON: <input checked="" type="checkbox"/> OFF: <input type="checkbox"/> <u>6</u> ft
PW-3	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>4</u> ft	PW-7 ON: <input checked="" type="checkbox"/> OFF: <input type="checkbox"/> <u>6</u> ft
PW-4	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>6</u> ft	PW-8 ON: <input type="checkbox"/> OFF: <input checked="" type="checkbox"/> <u>4</u> ft
EQUALIZATION TANK: <u>4</u> ft		Last Alarm D/T/Condition: <u>11/14/08 Air Stripper Low Level</u>	
NOTES: _____			
INFLUENT FLOW RATE: <u>19</u> gpm		INFLUENT TOTALIZER READING: <u>558,385.0</u> gallons	
SEQUESTERING AGENT DRUM LEVEL: <u>7</u> inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>11.9</u> gallons	
SEQUESTERING AGENT FEED RATE: <u>5.0</u> ml/min		METERING PUMP PRESSURE: <u>3.5</u> psi	
BAG FILTER PRESSURES:			
		Top	Bottom
LEFT:	<u>0</u>	<u>0</u> psi	RIGHT: <u>5</u> <u>0</u> psi
INFLUENT FEED PUMP IN USE: #1 <input type="checkbox"/> #2 <input checked="" type="checkbox"/>		INFLUENT PUMP PRESSURE: <u>29</u> psi	
AIR STRIPPER BLOWER IN USE: #1 <input type="checkbox"/> #2 <input checked="" type="checkbox"/>		AIR STRIPPER PRESSURE: <u>41.0</u> in. H ₂ O	
AIR STRIPPER DIFFERENTIAL PRESSURE: <u>0.015</u> in. H ₂ O		DISCHARGE PRESSURE: <u>0.8</u> in. H ₂ O	
EFFLUENT PUMP IN USE: #1 <input checked="" type="checkbox"/> #2 <input type="checkbox"/>		EFFLUENT FEED PUMP PRESSURE: <u>8.5</u> psi	
EFFLUENT FLOW RATE: <u>86</u> gpm		EFFLUENT TOTALIZER READING: <u>48,535,405</u> 651310 gallons	
ARE BUILDING HEATERS IN USE? YES: <input checked="" type="checkbox"/> NO: <input type="checkbox"/>		INSIDE TEMPERATURE (°F): <u>60</u>	
IS SUMP PUMP IN USE: YES: <input checked="" type="checkbox"/> NO: <input type="checkbox"/>		ARE ANY LEAKS PRESENT? YES: <input checked="" type="checkbox"/> NO: <input type="checkbox"/>	
WATER LEVEL IN SUMP: <u>5.0</u> in.		TREATMENT BUILDING CLEAN & ORGANIZED? YES: <input checked="" type="checkbox"/> NO: <input type="checkbox"/>	

MR. C's DRY CLEANERS SITE
NYSDEC Site #90150157
SITE INSPECTION FORM

Dec 22, 2008

SAMPLES COLLECTED? YES: _____ NO: ✓

Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
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AIR STRIPPER INFLUENT: _____

AIR STRIPPER EFFLUENT: _____

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 below:

All MW's and UE's are covered with ice or snow. PZ-4C top cover was torn off and lost by the snowplow. Inner ring is damaged.

INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON MR. C's SITE

Remarks: Emptied (5) gals from Air Stripper exhaust bucket. (Dec 28) - respond to alarm call.

Switched Redux pick-up into new drum. (1) full Redux drum remains.

Other Actions: Filled PZ-4C with ice to minimize walking hazard. Talked to Tim Heinrich (Town of Aurora) about damaged well.

He supplied sand to put in well to minimize tripping hazard. (Dec 24) - Town placed small top cover inside of well.

They put a styrofoam cover over the metal cover to bring the covers up near the level of the asphalt. (Dec 26) -

I placed sand over the styrofoam cover to resist floatation during rain.

AGWAY

SYSTEM VACUUM: -22 in. H₂O

AIR PRESSURE: 100 psi

SP-1: <u>0.0</u> scfm	<u>9.5</u> psi	SP-5: <u>0.0</u> scfm	<u>28.0</u> psi
SP-2: <u>7.2</u> scfm	<u>8.5</u> psi	SP-6: <u>2.0</u> scfm	<u>30.0</u> psi
SP-3: <u>0.0</u> scfm	<u>9.0</u> psi	SP-7: <u>0.0</u> scfm	<u>> 30</u> psi
SP-4: <u>0.0</u> scfm	<u>9.0</u> psi	SP-8: <u>0.0</u> scfm	<u>> 30</u> psi

INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON AGWAY SITE

Remarks: Construction equipment is parked on the south end of the Agway site.

Other Actions: Emptied (6) gals from SVE vacuum drum.

MR. C's DRY CLEANERS SITE
NYSDEC Site #9-15-157
OM&M: SITE INSPECTION FORM

DATE: <u>30-Dec-08</u>		ACTIVITIES: <u>Site Inspection</u>	
INSPECTION PERSONNEL: <u>R. Allen</u>		OTHER PERSONNEL: _____	
WEATHER CONDITIONS: <u>Cloudy, cool</u>		OUTSIDE TEMPERATURE (° F): <u>26</u>	
ARE WELL PUMPS OPERATING IN AUTO: YES: <input checked="" type="checkbox"/> NO: _____ If "NO", provide explanation below.			
PROVIDE WATER LEVEL READINGS ON CONTROL PANEL			
RW-1	ON: <input checked="" type="checkbox"/>	OFF: <u>9</u> ft	PW-5 ON: _____ OFF: <input checked="" type="checkbox"/> <u>6</u> ft
PW-2	ON: _____	OFF: <input checked="" type="checkbox"/> <u>7</u> ft	PW-6 ON: _____ OFF: <input checked="" type="checkbox"/> <u>3</u> ft
PW-3	ON: _____	OFF: <input checked="" type="checkbox"/> <u>5</u> ft	PW-7 ON: <input checked="" type="checkbox"/> OFF: _____ <u>7</u> ft
PW-4	ON: _____	OFF: <input checked="" type="checkbox"/> <u>4</u> ft	PW-8 ON: <input checked="" type="checkbox"/> OFF: _____ <u>4</u> ft
EQUALIZATION TANK: <u>4</u> ft		Last Alarm D/T/Condition: <u>12/28/08 Air Stripper Low Air Pressure</u>	
NOTES: _____			
INFLUENT FLOW RATE: <u>103</u> gpm		INFLUENT TOTALIZER READING: <u>947,188.0</u> gallons	
SEQUESTERING AGENT DRUM LEVEL: <u>29</u> inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>49.3</u> gallons	
SEQUESTERING AGENT FEED RATE: <u>5.0</u> ml/min		METERING PUMP PRESSURE: <u>3.0</u> psi	
BAG FILTER PRESSURES:		Top Bottom	Top Bottom
		LEFT: <u>0</u> <u>0</u> psi	RIGHT: <u>5</u> <u>0</u> psi
INFLUENT FEED PUMP IN USE: #1 _____ #2 <input checked="" type="checkbox"/>		INFLUENT PUMP PRESSURE: <u>29</u> psi	
AIR STRIPPER BLOWER IN USE: #1 _____ #2 <input checked="" type="checkbox"/>		AIR STRIPPER PRESSURE: <u>41.0</u> in. H ₂ O	
AIR STRIPPER DIFFERENTIAL PRESSURE: <u>0.015</u> in. H ₂ O		DISCHARGE PRESSURE: <u>0.05</u> in. H ₂ O	
EFFLUENT PUMP IN USE: #1 <input checked="" type="checkbox"/> #2 _____		EFFLUENT FEED PUMP PRESSURE: <u>8.0</u> psi	
EFFLUENT FLOW RATE: <u>85</u> gpm		EFFLUENT TOTALIZER READING: <u>48,760,495</u> 877000 gallons	
ARE BUILDING HEATERS IN USE? YES: <input checked="" type="checkbox"/> NO: _____		INSIDE TEMPERATURE (° F): <u>64</u>	
IS SUMP PUMP IN USE: YES: <input checked="" type="checkbox"/> NO: _____		ARE ANY LEAKS PRESENT? YES: <input checked="" type="checkbox"/> NO: _____	
WATER LEVEL IN SUMP: <u>5.5</u> in.		TREATMENT BUILDING CLEAN & ORGANIZED? YES: <input checked="" type="checkbox"/> NO: _____	

MR. C's DRY CLEANERS SITE
NYSDEC Site #9-15-157
OM&M: SITE INSPECTION FORM

DATE: <u>6-Jan-09</u>		ACTIVITIES: <u>Site Inspection</u>									
INSPECTION PERSONNEL: <u>R. Allen</u>		OTHER PERSONNEL: _____									
WEATHER CONDITIONS: <u>Cloudy, cold</u>		OUTSIDE TEMPERATURE (° F): <u>25</u>									
ARE WELL PUMPS OPERATING IN AUTO: YES: <input checked="" type="checkbox"/> NO: _____ If "NO", provide explanation below											
PROVIDE WATER LEVEL READINGS ON CONTROL PANEL											
RW-1	ON: _____	OFF: <input checked="" type="checkbox"/> <u>9</u> ft	PW-5 ON: <input checked="" type="checkbox"/> OFF: _____ <u>6</u> ft								
PW-2	ON: _____	OFF: <input checked="" type="checkbox"/> <u>6</u> ft	PW-6 ON: _____ OFF: <input checked="" type="checkbox"/> <u>7</u> ft								
PW-3	ON: _____	OFF: <input checked="" type="checkbox"/> <u>6</u> ft	PW-7 ON: <input checked="" type="checkbox"/> OFF: _____ <u>8</u> ft								
PW-4	ON: _____	OFF: <input checked="" type="checkbox"/> <u>4</u> ft	PW-8 ON: <input checked="" type="checkbox"/> OFF: _____ <u>7</u> ft								
EQUALIZATION TANK: <u>4</u> ft		Last Alarm D/T/Condition: <u>12/28/09 Air Stripper Low Air Pressure</u>									
NOTES: _____											
INFLUENT FLOW RATE: <u>86</u> gpm		INFLUENT TOTALIZER READING: <u>1,319,197.0</u> gallons									
SEQUESTERING AGENT DRUM LEVEL: <u>23</u> inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>39</u> gallons									
SEQUESTERING AGENT FEED RATE: <u>7.0</u> ml/min		METERING PUMP PRESSURE: <u>3.0</u> psi									
BAG FILTER PRESSURES:											
LEFT: <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="text-align: center;">Top</td><td style="text-align: center;">Bottom</td></tr><tr><td style="text-align: center;">0</td><td style="text-align: center;">0</td></tr></table> psi		Top	Bottom	0	0	RIGHT: <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="text-align: center;">Top</td><td style="text-align: center;">Bottom</td></tr><tr><td style="text-align: center;">0</td><td style="text-align: center;">0</td></tr></table> psi		Top	Bottom	0	0
Top	Bottom										
0	0										
Top	Bottom										
0	0										
INFLUENT FEED PUMP IN USE: #1 _____ #2 <input checked="" type="checkbox"/>		INFLUENT PUMP PRESSURE: <u>29</u> psi									
AIR STRIPPER BLOWER IN USE: #1 _____ #2 <input checked="" type="checkbox"/>		AIR STRIPPER PRESSURE: <u>41.0</u> in. H ₂ O									
AIR STRIPPER DIFFERENTIAL PRESSURE: <u>0.015</u> in. H ₂ O		DISCHARGE PRESSURE: <u>0.1</u> in. H ₂ O									
EFFLUENT PUMP IN USE: #1 <input checked="" type="checkbox"/> #2 _____		EFFLUENT FEED PUMP PRESSURE: <u>8.0</u> psi									
EFFLUENT FLOW RATE: <u>85</u> gpm		EFFLUENT TOTALIZER READING: <u>48,976,923</u> 94040 gallons									
ARE BUILDING HEATERS IN USE? YES: <input checked="" type="checkbox"/> NO: _____		INSIDE TEMPERATURE (° F): <u>65</u>									
IS SUMP PUMP IN USE: YES: <input checked="" type="checkbox"/> NO: _____		ARE ANY LEAKS PRESENT? YES: <input checked="" type="checkbox"/> NO: _____									
WATER LEVEL IN SUMP: <u>4.0</u> in.		TREATMENT BUILDING CLEAN & ORGANIZED? YES: <input checked="" type="checkbox"/> NO: _____									

MR. C's DRY CLEANERS SITE
NYSDEC Site #90150157
SITE INSPECTION FORM

6-Jan-09

SAMPLES COLLECTED? YES: NO:

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	2:30 PM	7.34	5.25	12.7	2897
AIR STRIPPER EFFLUENT:	EFF	2:30 PM	8.45	4.75	12.9	2764

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 below:

Most MWs and UEs are covered with ice or snow. PZ-4C - damaged cover is still in place above temporary covers.

INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON MR. C's SITE

Remarks: Emptied (5) gals from Air Stripper exhaust drip bucket.

Have (1) Sample Kit left.

Other Actions: Emptied old Redux drum into present drum. Rinsed out old drum.

Jan 8 - took delivery of (3) Redux drums.

AGWAY

SYSTEM VACUUM: <u>-23</u> in. H ₂ O				AIR PRESSURE: <u>10</u> psi			
SP-1:	<u>0.0</u>	scfm	<u>2.0</u> psi	SP-5:	<u>0.0</u>	scfm	<u>29.0</u> psi
SP-2:	<u>6.5</u>	scfm	<u>8.5</u> psi	SP-6:	<u>1.6</u>	scfm	<u>> 30</u> psi
SP-3:	<u>0.0</u>	scfm	<u>9.0</u> psi	SP-7:	<u>0.0</u>	scfm	<u>> 30</u> psi
SP-4:	<u>0.0</u>	scfm	<u>9.0</u> psi	SP-8:	<u>0.0</u>	scfm	<u>> 30</u> psi

INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON AGWAY SITE

Remarks: Construction equipment parked on south side of Agway Site.

Other Actions: Jun 6 - tested SVE system - drum accumulated (1) gal in 2 hours (0.5 gal / hour).

Jun 7 - tested SVE system - drum accumulated (1) gal in 20 hours (0.05 gal / hour).

Mr. C's CLEANERS OM&M

SUMMARY OF FIELD ACTIVITIES BY IEG - 12 / 2008

DATE	ACTIVITY
2-Dec	OM&M and UM office work.
3-Dec	OM&M Weekly Inspection and Sampling. Respond to evening alarm call.
5-Dec	Take (4) empty drums to recycler.
9-Dec	OM&M Weekly Inspection. Take electric compressor motor for repair.
10-Dec	OM&M and UM research and office work.
16-Dec	OM&M Weekly Inspection. Pick up and instal repaired electric motor onto compressor.
17-Dec	OM&M office work.
22-Dec	OM&M Weekly Inspection.
23-Dec	OM&M office work. Respond to call about damaged well PZ-4C.
26-Dec	Treatment Room OM&M. Inspect Town repair to PZ-4C and make adjustment.
28-Dec	Respond to alarm call.
29-Dec	Piezometer readings. Respond to Agway Shed SVE system problem. Get supplies.
30-Dec	OM&M Weekly Inspection. Test Agway Shed SVE system. Clean Library parking lot around groups PW-6 and PW-7. OM&M and UM office work.

Mr. C's CLEANERS OM&M
STATUS OF 2008 OM&M ACTIVITIES BY IEG

as of 12/31/08

ACTIVITY	DESCRIPTION	COMPLETION DATE/STATUS
Repair PW-4	Pump was not operational. The vent tube on the transducer was replaced with an aneroid bellow. The transducer must was also replaced. Obtained and installed new part, and got pump operational.	Sep-08
Lube Electric Motors	Electrical Contractor said the Treatment Room blower motor sounded dry. Contacted Baldor about lubricating procedure. Obtained correct grease, and lubricated motors.	Sep-08
Improve Agway Shed Security	AS / SVE pipes and hoses behind shed are vulnerable to vandalism. In addition hardware added for the systems test increases the probability of theft. Added plywood panels to limit view and access to rear of shed. Added mulch to help conceal hoses at ground level.	Sep-08
PW-5	Pump did not shut off even when water level was pumped down. Suspected bad transducer. Replaced transducer.	Sep-08
Paint Agway Shed Wood	Shed foundation is unpainted as is electrical box structure behind shed and new plywood panels. Painted unfinished wood to improve aesthetics and durability.	Oct-08
Repair Condensate Removal Valve (CRV)	CRV is stuck open and allowing the compressor to run continuously. Disassemble CRV and clean. Replace worn hose and secure unit to floor to avoid operational motion damage.	Oct-08
Compressor motor making noise	Air compressor in the Agway Shed has developed a rattling noise in the Baldor electric motor. Greasing did not quiet the motor. Remove motor for service and reinstall.	Dec-08
Inspect and clean Effluent Meter	Disassembled, cleaned and photographed Effluent Meter.	Nov-08
RW-1 Repair	RW-1 stopped working. Inspected and rewired motor starter inside Main Control Panel.	Nov-08
Replace SVE Vacuum Drum	Present Vacuum Drum inside Agway Shed is corroded. Replace drum.	To be ordered
AS / SVE System Evaluation	Agway Shed - test and evaluate air sparge system and Soil Vapor Extraction system. Installed fittings to measure pressure and flow. Tested air sparging and SVE lines.	in progress
Service Compressor	Champion Machinery reveals the compressor is a 1992 model. Compressor pump should be serviced which includes a valve kit. The belts should also be adjusted.	in progress
Pump Out all System Wells	All system Wells operational - inspections of well pumps revealed that most had restrictive sediment deposits in the well pumps and the flexible pipes. Working wells were flushed, aerated and pumped out to remove gravel, sediment and other matter.	in progress
Level PW-4 Well and Box	Asphalt around PW-4 and its Underground Enclosure has sunk, leaving these structures vulnerable to damage. Bring parking lot up to level with asphalt patch.	in progress
Install MW Ring	Piezimeter in Agway Site parking lot was damaged by the road repair crew. To instal new Monitoring Well Ring around damaged Piezometer for protection.	in progress
Replace all Transducer Tubes with Aneroid Bellows	Transducer tubes are susceptible to water damage. Replace all tubes with Aneroid Bellows as recommended by Electrical Contractor.	in progress
Get spare O-rings for Pitless Adapters	Some of the Pitless Adapter O-rings are wearing out. It would be less costly to replace the O-ring on the adapter than to replace the entire adapter. Find and purchase (10) spare O-rings	in progress
Rebuild Automatic Tank Drain Valve (ATDV)	Factory recommends rebuilding the ATDV on a compressor of this age. Order rebuild kit and repair. Have purchased rebuild kit.	in progress
Rebuild JAC Pump as needed	Jesco America Corp recommends rebuilding the Redux pump when needed. We have purchased the rebuild kit.	in progress
PW-3 pitless adapter not sealing well	Drops of water squirt upward from pitless adapter when motor turns on. Inspect and reseal pitless adapter	in progress
RW-1 Replace Motor Starter	RW-1 motor starter developed problem and had to be rewired. Should get a spare motor starter in anticipation of further problems.	in progress
Repair PZ-4C	PZ-4C was damaged by a Town of Aurora snowplow. Top of inner ring and top cover were broken. Talked to Town and they placed a temporary cover inside the well to reduce the pedestrian tripping hazard. Ring and top cover should be replaced.	in progress
Brace Effluent Pipe	David Szymanski (NYSDEC) inspected Treatment Room and said that the effluent pipe should be braced in (3) places to the north wall.	in progress
Insulate Overhead Door	Large Metal Overhead Door in Treatment Room conducts cold during low temperatures outside. Door should be insulated to save heating costs.	in progress

Mr. C's CLEANERS OM&M
SUMMARY OF WATER PUMP STATUS - 2008

as of Dec 08

ID	CLEANED & INSPECTED PUMP	NEEDS NEW PUMP	NEEDS WELL CLEAN-OUT	NEEDS NEW TRANSDUCER	NEEDS ANEROID BELLOWS	SUMP CLOGGED	NEEDS REPAIR
RW - 1	YES	NO	YES	NO	YES	NO	YES - bolts
PW - 2	YES	DONE	DONE	NO	YES	NO	NO
PW - 3	YES	DONE	DONE	NO	YES	NO	NO
PW - 4	YES	YES - replaced with PW-7	DONE	DONE	DONE	DONE	YES - Asphalt patch
PW - 5	YES	DONE	DONE	DONE	DONE	NO	NO
PW - 6	YES	DONE	DONE	NO	DONE	NO	DONE
PW - 7	YES	NO	DONE	NO	DONE	NO	NO
PW - 8	YES	DONE	DONE	NO	YES	NO	NO

Mr. C's CLEANERS OM&M
SUMMARY OF WATER PUMP MAINTENANCE BY IEG

as of Dec 08

ID	CLEAN & INSPECT PUMP	REPLACE PUMP	REPAIR PUMP	CLEAN & INSPECT TRANSDUCER	REPLACE TRANSDUCER	REPAIR TRANSDUCER	PUMP OUT WELL	CLEAN OUT & INSPECT ELECTRICAL BOX	ELECTRICAL BOX REPAIR
RW - 1	Jan-08	Feb-08	Nov-08	Jan 08, Nov 08				Jun-08	Jul-08
PW - 2	Jun-08	Jul-08		Jun-08			Jul-08	Jun-08	
PW - 3	Jun-08	Jul-08		Jun-08			Jul-08	Jun-08	
PW - 4	Dec 07, May 08	Dec-07		Dec-07	Mar 08, Sep 08	Sep-08	Jul-08	May 08, Sep 08	Mar-08
PW - 5	May-08	Jul-08		Jun 08, Aug 08	Sep-08		Jul-08	May 08, Aug 08	Aug-08
PW - 6	Jun-08	Jul-08		Jun-08		Jun-08	Jul-08	Jun-08	Jul-08
PW - 7	Nov 07, Jun 08	Nov-07		Jun-08		Jun-08	Jul-08	Jun-08	Jun-08
PW - 8	Jun-08	Jul-08		Jun-08			Jul-08	May-08	May-08

Attachment B
Analytical Report from
Mitkem Laboratories

Analytical Data Package Work Order ID: G2256
Sampled: December 3, 2008



A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

December 18, 2008

Ecology & Environment Engineering P.C.
368 Pleasantview Drive
Lancaster, NY 14086
Attn: Mr. Michael Steffan

RE: Client Project: Mr. C's Dry Cleaners Site (Compliance)
Lab Work Order #: G2256

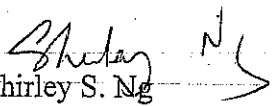
Dear Mr. Steffan:

Enclosed please find the data report of the required analyses for the samples associated with the above referenced project.

If you have any questions regarding this report, please don't hesitate to call me.

We appreciate your business.

Sincerely,


Shirley S. Ng
Project Manager

Mitkem Laboratories

New York State Department of Environmental Conservation Sample Identification and Analytical Requirements Summary

Project Name : Mr. C's Dry Cleaning -- 002700.DC13.02.01.01

SDG : G2256

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
INFLUENT	G2256-01	SW8260_W			SM2340_W	SEE DATA
EFFLUENT	G2256-02	SW8260_W			SM2340_W	SEE DATA

Mitkem Laboratories

New York State Department of Environmental Conservation Sample Preparation and Analysis Summary MSVOA

Project Name : Mr. C's Dry Cleaning - 002700.DC13.02.01.01

SDG : G2256

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8260_W					
G2256-01C	AQ	12/3/2008	12/4/2008	NA	12/12/2008
G2256-02C	AQ	12/3/2008	12/4/2008	NA	12/9/2008

Mitkem Laboratories

New York State Department of Environmental Conservation Sample Preparation and Analysis Summary MSVOA

Project Name : Mr. C's Dry Cleaning - 002700.DC13.02.01.01

SDG : G2256

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
SW8260_W					
G2256-01C	AQ	SW8260_W	NA	LOW	10
G2256-02C	AQ	SW8260_W	NA	LOW	1

Mitkem Laboratories

New York State Department of Environmental Conservation Sample Preparation and Analysis Summary ME

Project Name : Mr. C's Dry Cleaning -- 002700.DC13.02.01.01

SDG : G2256

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SM2340_W				
G2256-01B	AQ	SM2340_W	12/4/2008	12/15/2008
G2256-02B	AQ	SM2340_W	12/4/2008	12/15/2008

Analytical Data Package for Ecology & Environment Engineering, P.C. (EEEPC)

Client Project No.: Mr. C's Dry Cleaners Site (Complicance)

Mitkem Work Order ID: G2256

December 18, 2008

Prepared For: Ecology & Environment Engineering P.C.
368 Pleasantview Drive
Lancaster, NY 14086
Attn: Mr. Michael Steffan

Prepared By: Mitkem Laboratories
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

SDG Narrative

Mitkem Laboratories submits the enclosed data package in response to Ecology & Environment, Inc's Mr. C's Dry Cleaners (Compliance) project. Under this deliverable, analyses results are presented for two aqueous samples that were received on December 4, 2008. Analyses were performed per specifications in the project's contract and the chain of custody form. Following the narrative is the Mitkem Work Order for cross-referencing client sample ID and laboratory sample ID.

The analyses were performed according to NYSDEC ASP protocols (2000 update) and reported per NYSDEC ASP requirement for Category A deliverable with the exception of hardness and pH. The analysis results for hardness and pH are presented in the standard Mitkem format.

The following observation and/or deviations are observed for the following analyses:

1. Overall observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.
- M6 software did not integrate peak
- M7 partial peak integration

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

2. Volatile Analysis:

To meet specific project requirements, a 1ppb standard was analyzed in the initial calibration to achieve a lower reporting limit. All the target analytes, with the exception of the ketones have been reported to 1ppb. The ketones have been reported to 5 ppb.

Trap used for instruments V1: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve.

GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column.

Aqueous samples were hydrochloric acid preserved, pH <2.

Surrogate recovery: recoveries were within the QC limits.

Laboratory control sample/ laboratory control sample duplicate: spike recoveries and replicate RPDs were within the QC limits.

Sample analysis: due to high concentration of target analytes, sample INFLUENT was initially analyzed at 10X dilution. No other unusual observation was made for this analysis.

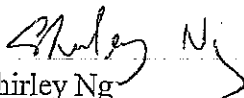
2. Wet Chemistry Analyses:

Duplicate analysis: duplicate analysis was performed on sample INFLUENT for pH analysis. Percent RPD was within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

I certify that this data package is in compliance, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.



Shirley Ng
Project Manager
12/18/08

Sample Transmittal Documentation

Client ID: ENE

Project: Mr. C's Dry Cleaning

Location: 002700.DC13.02.01.01

Comments: 1 ppb ICAL for VOA. Run Influent sample by 10 X dilution, low result in effluent expected, report thru LIMS.

Case:

SDG:

PO: 002700.DC13.02

HC Due: 12/23/08

Fax Due:

Report Level: ASP-A

EDD: ENE

Sample ID	HS Client Sample ID	Collection Date	Date Recy'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G2256-01A	INFLUENT	12/03/2008 12:00	12/04/2008	Aqueous	SM4500_H+		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	F2
G2256-01B	INFLUENT	12/03/2008 12:00	12/04/2008	Aqueous	SM2340_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M6
G2256-01C	INFLUENT	12/03/2008 12:00	12/04/2008	Aqueous	SW8260_W	OLM_VOA, 1 ppb ICAL	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VOA
G2256-02A	EFFLUENT	12/03/2008 12:30	12/04/2008	Aqueous	SM4500_H+		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	F2
G2256-02B	EFFLUENT	12/03/2008 12:30	12/04/2008	Aqueous	SM2340_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M6
G2256-02C	EFFLUENT	12/03/2008 12:30	12/04/2008	Aqueous	SW8260_W	OLM_VOA, 1 ppb ICAL	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VOA



A Division of SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

- Standard TAT - 10 to 15 business days
- Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: E & E, Inc
368 Pleasantview Dr
Lancaster, NY 14086

Invoice To: E & E, Inc

Project No.: _____
 Site Name: MFC's OM&M
 Location: East Aurora State: NY
 Sampler(s): R. Allen

Project Mgr.: Mike Steffan

P.O. No.: _____ RQN: _____

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
 7=CH₃OH 8=NaHSO₄ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
 O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
 X1=_____ X2=_____ X3=_____

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers:				Analyses:	QA Reporting Notes: (check if needed)	
						# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic			
62256												
01	INFLEWENT	12/3/08	12:00 PM	G	GW	1	1	1	1	PH		
01	INFLEWENT		12:00 PM	G	GW	4	1	1	1	T Hard		
01	INFLEWENT		12:00 PM	G	GW	2	1	1	1			
02	EFFLUENT		12:30 PM	G	GW	1	1	1	1			
02	EFFLUENT		12:30 PM	G	GW	4	1	1	1			
02	EFFLUENT		12:30 PM	G	GW	2	1	1	1			

Fax results when available to (716) 662-2118
 E-mail to msteffan@eene.com
 EDD Format PDF
 Condition upon receipt: Iced Ambient °C 3

Relinquished by: Richard C. Allen, Jr
 Received by: [Signature]
 Date: 12/4/08 Time: 11:50

MITKEM LABORATORIES
Sample Condition Form

Received By: CAW Reviewed By: NS Date: 12/4/08 MITKEM Workorder #: 62256
 Client Project: MFC OMM Client: ETC

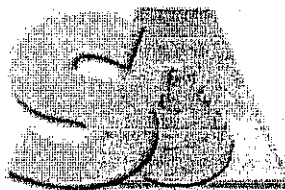
	Lab Sample ID	Preservation (pH)					VOA Matrix	Soil Headspace or Air Bubbles $\geq 1/4"$
		HNO ₃	H ₂ SO ₄	HCl	NaOH	H ₃ PO ₄		
1) Cooler Sealed Yes <input checked="" type="checkbox"/> No	<u>62256 01</u>	<u><2</u>					<u>H</u>	
	<u>62256 02</u>	<u><2</u>					<u>H</u>	
2) Custody Seal(s) Present <input checked="" type="checkbox"/> Absent Coolers / Bottles Intact <input checked="" type="checkbox"/> Broken								
3) Custody Seal Number(s) <u>NA</u>								
4) Chain-of-Custody Present <input checked="" type="checkbox"/> Absent								
5) Cooler Temperature <u>3°C</u> Coolant Condition <u>ICE</u>								
6) Airbill(s) Present <input checked="" type="checkbox"/> Absent Airbill Number(s) <u>Drop off</u>								
7) Sample Bottles Intact <input checked="" type="checkbox"/> Broken/Leaking								
8) Date Received <u>12/4/08</u>								
9) Time Received <u>11:50</u>								

VOA Matrix Key:
 US = Unpreserved Soil A = Air
 UA = Unpreserved Aqu. H = HCl
 M = MeOH E = Encore
 N = NaHSO₄ F = Freeze

See Sample Condition Notification/Corrective Action Form yes no

Rad OK yes/ no

MITKEM
LABORATORIES



* Volatiles *

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

INFLUENT

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2256
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2256-01C
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K2589.D
 Level: (TRACE/LOW/MED) LOW Date Received: 12/04/2008
 % Moisture: not dec. Date Analyzed: 12/12/2008
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
75-71-8	Dichlorodifluoromethane		10	U
74-87-3	Chloromethane		10	U
75-01-4	Vinyl chloride		10	U
74-83-9	Bromomethane		10	U
75-00-3	Chloroethane		10	U
75-69-4	Trichlorofluoromethane		10	U
75-35-4	1,1-Dichloroethene		10	U
67-64-1	Acetone		50	U
75-15-0	Carbon disulfide		10	U
75-09-2	Methylene chloride		10	U
156-60-5	trans-1,2-Dichloroethene		10	U
1634-04-4	Methyl tert-butyl ether		10	U
75-34-3	1,1-Dichloroethane		10	U
78-93-3	2-Butanone		50	U
156-59-2	cis-1,2-Dichloroethene		16	
67-66-3	Chloroform		10	U
71-55-6	1,1,1-Trichloroethane		10	U
56-23-5	Carbon tetrachloride		10	U
107-06-2	1,2-Dichloroethane		10	U
71-43-2	Benzene		10	U
79-01-6	Trichloroethene		41	
78-87-5	1,2-Dichloropropane		10	U
75-27-4	Bromodichloromethane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
108-10-1	4-Methyl-2-pentanone		50	U
108-88-3	Toluene		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
127-18-4	Tetrachloroethene		900	
591-78-6	2-Hexanone		50	U
124-48-1	Dibromochloromethane		10	U
106-93-4	1,2-Dibromoethane		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
1330-20-7	Xylene (Total)		10	U

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

INFLUENT

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2256
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2256-01C
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K2589.D
 Level: (TRACE/LOW/MED) LOW Date Received: 12/04/2008
 % Moisture: not dec. Date Analyzed: 12/12/2008
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
100-42-5	Styrene		10	U
75-25-2	Bromoform		10	U
98-82-8	Isopropylbenzene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
541-73-1	1,3-Dichlorobenzene		10	U
106-46-7	1,4-Dichlorobenzene		10	U
95-50-1	1,2-Dichlorobenzene		10	U
96-12-8	1,2-Dibromo-3-chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		10	U
110-82-7	Cyclohexane		10	U
79-20-9	Methyl acetate		10	U
108-87-2	Methylcyclohexane		10	U

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EFFLUENT

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2256
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2256-02C
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K2491.D
 Level: (TRACE/LOW/MED) LOW Date Received: 12/04/2008
 % Moisture: not dec. Date Analyzed: 12/09/2008
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		
		(ug/L or ug/Kg)	UG/L	
75-71-8	Dichlorodifluoromethane		1.0	U
74-87-3	Chloromethane		1.0	U
75-01-4	Vinyl chloride		1.0	U
74-83-9	Bromomethane		1.0	U
75-00-3	Chloroethane		1.0	U
75-69-4	Trichlorofluoromethane		1.0	U
75-35-4	1,1-Dichloroethene		1.0	U
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide		1.0	U
75-09-2	Methylene chloride		1.0	U
156-60-5	trans-1,2-Dichloroethene		1.0	U
1634-04-4	Methyl tert-butyl ether		2.0	
75-34-3	1,1-Dichloroethane		1.0	U
78-93-3	2-Butanone		5.0	U
156-59-2	cis-1,2-Dichloroethene		1.0	U
67-66-3	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
71-43-2	Benzene		1.0	U
79-01-6	Trichloroethene		1.0	U
78-87-5	1,2-Dichloropropane		1.0	U
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		1.0	U
10061-02-6	trans-1,3-Dichloropropene		1.0	U
79-00-5	1,1,2-Trichloroethane		1.0	U
127-18-4	Tetrachloroethene		2.1	
591-78-6	2-Hexanone		5.0	U
124-48-1	Dibromochloromethane		1.0	U
106-93-4	1,2-Dibromoethane		1.0	U
108-90-7	Chlorobenzene		1.0	U
100-41-4	Ethylbenzene		1.0	U
1330-20-7	Xylene (Total)		1.0	U

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EFFLUENT

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2256
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2256-02C
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K2491.D
 Level: (TRACE/LOW/MED) LOW Date Received: 12/04/2008
 % Moisture: not dec. Date Analyzed: 12/09/2008
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
100-42-5	Styrene		1.0	U
75-25-2	Bromoform		1.0	U
98-82-8	Isopropylbenzene		1.0	U
79-34-5	1,1,2,2-Tetrachloroethane		1.0	U
541-73-1	1,3-Dichlorobenzene		1.0	U
106-46-7	1,4-Dichlorobenzene		1.0	U
95-50-1	1,2-Dichlorobenzene		1.0	U
96-12-8	1,2-Dibromo-3-chloropropane		1.0	U
120-82-1	1,2,4-Trichlorobenzene		1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		1.0	U
110-82-7	Cyclohexane		1.0	U
79-20-9	Methyl acetate		1.0	U
108-87-2	Methylcyclohexane		1.0	U

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V1XLCS

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2256
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-40657
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K2482.D
 Level: (TRACE/LOW/MED) LOW Date Received: _____
 % Moisture: not dec. Date Analyzed: 12/09/2008
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
75-71-8	Dichlorodifluoromethane		41	
74-87-3	Chloromethane		46	
75-01-4	Vinyl chloride		47	
74-83-9	Bromomethane		54	
75-00-3	Chloroethane		52	
75-69-4	Trichlorofluoromethane		57	
75-35-4	1,1-Dichloroethene		51	
67-64-1	Acetone		50	
75-15-0	Carbon disulfide		44	
75-09-2	Methylene chloride		47	
156-60-5	trans-1,2-Dichloroethene		48	
1634-04-4	Methyl tert-butyl ether		51	
75-34-3	1,1-Dichloroethane		48	
78-93-3	2-Butanone		51	
156-59-2	cis-1,2-Dichloroethene		47	
67-66-3	Chloroform		47	
71-55-6	1,1,1-Trichloroethane		47	
56-23-5	Carbon tetrachloride		48	
107-06-2	1,2-Dichloroethane		49	
71-43-2	Benzene		47	
79-01-6	Trichloroethene		46	
78-87-5	1,2-Dichloropropane		49	
75-27-4	Bromodichloromethane		50	
10061-01-5	cis-1,3-Dichloropropene		49	
108-10-1	4-Methyl-2-pentanone		53	
108-88-3	Toluene		46	
10061-02-6	trans-1,3-Dichloropropene		52	
79-00-5	1,1,2-Trichloroethane		50	
127-18-4	Tetrachloroethene		47	
591-78-6	2-Hexanone		50	
124-48-1	Dibromochloromethane		51	
106-93-4	1,2-Dibromoethane		50	
108-90-7	Chlorobenzene		46	
100-41-4	Ethylbenzene		48	
1330-20-7	Xylene (Total)		140	

SW846

0013

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V1XLCS

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2256
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-40657
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K2482.D
 Level: (TRACE/LOW/MED) LOW Date Received: _____
 % Moisture: not dec. Date Analyzed: 12/09/2008
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
100-42-5	Styrene		50	
75-25-2	Bromoform		57	
98-82-8	Isopropylbenzene		48	
79-34-5	1,1,2,2-Tetrachloroethane		51	
541-73-1	1,3-Dichlorobenzene		47	
106-46-7	1,4-Dichlorobenzene		46	
95-50-1	1,2-Dichlorobenzene		48	
96-12-8	1,2-Dibromo-3-chloropropane		55	
120-82-1	1,2,4-Trichlorobenzene		52	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		56	
110-82-7	Cyclohexane		48	
79-20-9	Methyl acetate		50	
108-87-2	Methylcyclohexane		49	

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V1BLCS

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2256
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-40695
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: VIK2585.D
 Level: (TRACE/LOW/MED) LOW Date Received: _____
 % Moisture: not dec. Date Analyzed: 12/12/2008
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
75-71-8	Dichlorodifluoromethane		44	
74-87-3	Chloromethane		47	
75-01-4	Vinyl chloride		49	
74-83-9	Bromomethane		55	
75-00-3	Chloroethane		51	
75-69-4	Trichlorofluoromethane		59	
75-35-4	1,1-Dichloroethene		58	
67-64-1	Acetone		49	
75-15-0	Carbon disulfide		47	
75-09-2	Methylene chloride		49	
156-60-5	trans-1,2-Dichloroethene		49	
1634-04-4	Methyl tert-butyl ether		48	
75-34-3	1,1-Dichloroethane		49	
78-93-3	2-Butanone		50	
156-59-2	cis-1,2-Dichloroethene		48	
67-66-3	Chloroform		48	
71-55-6	1,1,1-Trichloroethane		48	
56-23-5	Carbon tetrachloride		49	
107-06-2	1,2-Dichloroethane		49	
71-43-2	Benzene		49	
79-01-6	Trichloroethene		47	
78-87-5	1,2-Dichloropropane		51	
75-27-4	Bromodichloromethane		49	
10061-01-5	cis-1,3-Dichloropropene		49	
108-10-1	4-Methyl-2-pentanone		48	
108-88-3	Toluene		46	
10061-02-6	trans-1,3-Dichloropropene		49	
79-00-5	1,1,2-Trichloroethane		49	
127-18-4	Tetrachloroethene		48	
591-78-6	2-Hexanone		46	
124-48-1	Dibromochloromethane		50	
106-93-4	1,2-Dibromoethane		49	
108-90-7	Chlorobenzene		47	
100-41-4	Ethylbenzene		48	
1330-20-7	Xylene (Total)		140	

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V1BLCS

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2256
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-40695
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K2585.D
 Level: (TRACE/LOW/MED) LOW Date Received: _____
 % Moisture: not dec. Date Analyzed: 12/12/2008
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
100-42-5	Styrene		51
75-25-2	Bromoform		53
98-82-8	Isopropylbenzene		48
79-34-5	1,1,2,2-Tetrachloroethane		49
541-73-1	1,3-Dichlorobenzene		48
106-46-7	1,4-Dichlorobenzene		47
95-50-1	1,2-Dichlorobenzene		48
96-12-8	1,2-Dibromo-3-chloropropane		51
120-82-1	1,2,4-Trichlorobenzene		51
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		53
110-82-7	Cyclohexane		48
79-20-9	Methyl acetate		45
108-87-2	Methylcyclohexane		46

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V1XLCSD

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2256
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-40657
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K2483.D
 Level: (TRACE/LOW/MED) LOW Date Received: _____
 % Moisture: not dec. Date Analyzed: 12/09/2008
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
75-71-8	Dichlorodifluoromethane		44	
74-87-3	Chloromethane		49	
75-01-4	Vinyl chloride		50	
74-83-9	Bromomethane		58	
75-00-3	Chloroethane		51	
75-69-4	Trichlorofluoromethane		61	
75-35-4	1,1-Dichloroethene		58	
67-64-1	Acetone		49	
75-15-0	Carbon disulfide		47	
75-09-2	Methylene chloride		49	
156-60-5	trans-1,2-Dichloroethene		50	
1634-04-4	Methyl tert-butyl ether		52	
75-34-3	1,1-Dichloroethane		50	
78-93-3	2-Butanone		51	
156-59-2	cis-1,2-Dichloroethene		50	
67-66-3	Chloroform		49	
71-55-6	1,1,1-Trichloroethane		51	
56-23-5	Carbon tetrachloride		52	
107-06-2	1,2-Dichloroethane		50	
71-43-2	Benzene		49	
79-01-6	Trichloroethene		49	
78-87-5	1,2-Dichloropropane		52	
75-27-4	Bromodichloromethane		51	
10061-01-5	cis-1,3-Dichloropropene		51	
108-10-1	4-Methyl-2-pentanone		53	
108-88-3	Toluene		49	
10061-02-6	trans-1,3-Dichloropropene		53	
79-00-5	1,1,2-Trichloroethane		52	
127-18-4	Tetrachloroethene		49	
591-78-6	2-Hexanone		55	
124-48-1	Dibromochloromethane		53	
106-93-4	1,2-Dibromoethane		52	
108-90-7	Chlorobenzene		48	
100-41-4	Ethylbenzene		49	
1330-20-7	Xylene (Total)		150	

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V1XLCS

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2256
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-40657
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K2483.D
 Level: (TRACE/LOW/MED) LOW Date Received: _____
 % Moisture: not dec. Date Analyzed: 12/09/2008
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
100-42-5	Styrene		52	
75-25-2	Bromoform		57	
98-82-8	Isopropylbenzene		50	
79-34-5	1,1,2,2-Tetrachloroethane		52	
541-73-1	1,3-Dichlorobenzene		49	
106-46-7	1,4-Dichlorobenzene		49	
95-50-1	1,2-Dichlorobenzene		50	
96-12-8	1,2-Dibromo-3-chloropropane		56	
120-82-1	1,2,4-Trichlorobenzene		57	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		58	
110-82-7	Cyclohexane		52	
79-20-9	Methyl acetate		47	
108-87-2	Methylcyclohexane		52	

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VIBLCSD

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2256
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-40695
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K2586.D
 Level: (TRACE/LOW/MED) LOW Date Received: _____
 % Moisture: not dec. Date Analyzed: 12/12/2008
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
75-71-8	Dichlorodifluoromethane		39
74-87-3	Chloromethane		42
75-01-4	Vinyl chloride		44
74-83-9	Bromomethane		48
75-00-3	Chloroethane		47
75-69-4	Trichlorofluoromethane		47
75-35-4	1,1-Dichloroethene		51
67-64-1	Acetone		45
75-15-0	Carbon disulfide		44
75-09-2	Methylene chloride		45
156-60-5	trans-1,2-Dichloroethene		44
1634-04-4	Methyl tert-butyl ether		45
75-34-3	1,1-Dichloroethane		43
78-93-3	2-Butanone		48
156-59-2	cis-1,2-Dichloroethene		44
67-66-3	Chloroform		43
71-55-6	1,1,1-Trichloroethane		43
56-23-5	Carbon tetrachloride		45
107-06-2	1,2-Dichloroethane		46
71-43-2	Benzene		44
79-01-6	Trichloroethene		43
78-87-5	1,2-Dichloropropane		46
75-27-4	Bromodichloromethane		46
10061-01-5	cis-1,3-Dichloropropene		44
108-10-1	4-Methyl-2-pentanone		46
108-88-3	Toluene		42
10061-02-6	trans-1,3-Dichloropropene		46
79-00-5	1,1,2-Trichloroethane		47
127-18-4	Tetrachloroethene		44
591-78-6	2-Hexanone		45
124-48-1	Dibromochloromethane		47
106-93-4	1,2-Dibromoethane		47
108-90-7	Chlorobenzene		42
100-41-4	Ethylbenzene		44
1330-20-7	Xylene (Total)		130

SW846

0019

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V1BLCS D

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2256
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-40695
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K2586.D
 Level: (TRACE/LOW/MED) LOW Date Received: _____
 % Moisture: not dec. Date Analyzed: 12/12/2008
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
100-42-5	Styrene		47	
75-25-2	Bromoform		49	
98-82-8	Isopropylbenzene		44	
79-34-5	1,1,2,2-Tetrachloroethane		48	
541-73-1	1,3-Dichlorobenzene		44	
106-46-7	1,4-Dichlorobenzene		44	
95-50-1	1,2-Dichlorobenzene		45	
96-12-8	1,2-Dibromo-3-chloropropane		50	
120-82-1	1,2,4-Trichlorobenzene		47	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		47	
110-82-7	Cyclohexane		42	
79-20-9	Methyl acetate		48	
108-87-2	Methylcyclohexane		42	

WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES

Contract:

Lab Code: MITKEM

Case No.:

Mod. Ref No.:

SDG No.: MG2256

Level: (TRACE or LOW) LOW

	CLIENT SAMPLE NO.	VDMC1 (DBFM) #	VDMC2 (DCE) #	VDMC3 (TOL) #	VDMC4 (BFB) #				TOT OUT
01	VBLK1X	101	100	99	95				0
02	VIXLCS	101	107	98	100				0
03	VIXLCSD	100	102	99	101				0
04	EFFLUENT	101	104	99	96				0
05	VBLK1B	98	95	97	93				0
06	VIBLCS	98	104	98	98				0
07	VIBLCSD	100	102	98	99				0
08	INFLUENT	102	97	97	93				0

VDMC1 (DBFM) Dibromofluoromethane

VDMC2 (DCE) = 1,2-Dichloroethane-d4

VDMC3 (TOL) = Toluene-d8

VDMC4 (BFB) = Bromofluorobenzene

QC LIMITS

(85-115)

(70-120)

(85-120)

(75-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

3 - FORM III
 WATER LABORATORY CONTROL
 SAMPLE RECOVERY

CLIENT SAMPLE NO.

VIXLCS

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2256
 Lab Sample ID: LCS-40657 LCS Lot No.: _____
 Date Extracted: 12/09/2008 Date Analyzed (1): 12/09/2008

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Dichlorodifluoromethane	50.0000	0.0000	40.8205	82		30 - 155
Chloromethane	50.0000	0.0000	46.0364	92		40 - 125
Vinyl chloride	50.0000	0.0000	47.1299	94		50 - 145
Bromomethane	50.0000	0.0000	54.1026	108		30 - 145
Chloroethane	50.0000	0.0000	51.5795	103		60 - 135
Trichlorofluoromethane	50.0000	0.0000	56.9547	114		60 - 145
1,1-Dichloroethene	50.0000	0.0000	51.3030	103		70 - 130
Acetone	50.0000	0.0000	50.4735	101		40 - 140
Carbon disulfide	50.0000	0.0000	43.5192	87		35 - 160
Methylene chloride	50.0000	0.0000	46.7766	94		55 - 140
trans-1,2-Dichloroethene	50.0000	0.0000	48.0219	96		60 - 140
Methyl tert-butyl ether	50.0000	0.0000	50.7178	101		65 - 125
1,1-Dichloroethane	50.0000	0.0000	47.6821	95		70 - 135
2-Butanone	50.0000	0.0000	50.8587	102		30 - 150
cis-1,2-Dichloroethene	50.0000	0.0000	47.1403	94		70 - 125
Chloroform	50.0000	0.0000	47.3066	95		65 - 135
1,1,1-Trichloroethane	50.0000	0.0000	47.0657	94		65 - 130
Carbon tetrachloride	50.0000	0.0000	47.9255	96		65 - 140
1,2-Dichloroethane	50.0000	0.0000	48.6798	97		70 - 130
Benzene	50.0000	0.0000	46.8321	94		80 - 120
Trichloroethene	50.0000	0.0000	46.4086	93		70 - 125
1,2-Dichloropropane	50.0000	0.0000	49.1729	98		75 - 125
Bromodichloromethane	50.0000	0.0000	50.4085	101		75 - 120
cis-1,3-Dichloropropene	50.0000	0.0000	49.4025	99		70 - 130
4-Methyl-2-pentanone	50.0000	0.0000	52.9270	106		60 - 135
Toluene	50.0000	0.0000	45.9037	92		75 - 120
trans-1,3-Dichloropropene	50.0000	0.0000	51.6535	103		55 - 140
1,1,2-Trichloroethane	50.0000	0.0000	49.8080	100		75 - 125
Tetrachloroethene	50.0000	0.0000	46.7531	94		45 - 150
2-Hexanone	50.0000	0.0000	50.2756	101		55 - 130
Dibromochloromethane	50.0000	0.0000	51.4999	103		60 - 135
1,2-Dibromoethane	50.0000	0.0000	50.4542	101		80 - 120
Chlorobenzene	50.0000	0.0000	45.5484	91		80 - 120
Ethylbenzene	50.0000	0.0000	47.7046	95		75 - 125
Xylene (Total)	150.0000	0.0000	140.0368	93		81 - 121
Styrene	50.0000	0.0000	50.2856	101		65 - 135
Bromoform	50.0000	0.0000	56.9081	114		70 - 130
Isopropylbenzene	50.0000	0.0000	47.6697	95		75 - 125
1,1,2,2-Tetrachloroethane	50.0000	0.0000	51.4570	103		65 - 130
1,3-Dichlorobenzene	50.0000	0.0000	47.1340	94		75 - 125
1,4-Dichlorobenzene	50.0000	0.0000	45.8068	92		75 - 125
1,2-Dichlorobenzene	50.0000	0.0000	48.1125	96		70 - 120
1,2-Dibromo-3-chloropropan	50.0000	0.0000	54.5547	109		50 - 130
1,2,4-Trichlorobenzene	50.0000	0.0000	51.7708	104		65 - 135

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.

V1XLCS

Lab Name: MITKEM LABORATORIES Contract: _____
Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2256
Lab Sample ID: LCS-40657 LCS Lot No.: _____
Date Extracted: 12/09/2008 Date Analyzed (1): 12/09/2008

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
1,1,2-Trichloro-1,2,2-trif	50.0000	0.0000	56.3288	113		70 - 130
Cyclohexane	50.0000	0.0000	47.5111	95		70 - 130
Methyl acetate	50.0000	0.0000	49.7664	100		70 - 130
Methylcyclohexane	50.0000	0.0000	48.5432	97		70 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 48 outside limits

COMMENTS: _____

3 - FORM III
 WATER LABORATORY CONTROL
 SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.

V1XLCSO

Lab Name: MITKEM LABORATORIES

Contract: _____

Lab Code: MITKEM Case No.: _____

Mod. Ref No.: _____

SDG No.: MG2256

Lab Sample ID: LCSD-40657

LCS Lot No.: _____

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC	#	%RPD #	QC LIMITS	
						RPD	REC.
Dichlorodifluoromethane	50.0000	43.8098	88		7	40	30 - 155
Chloromethane	50.0000	49.3863	99		7	40	40 - 125
Vinyl chloride	50.0000	50.0592	100		6	40	50 - 145
Bromomethane	50.0000	57.8954	116		7	40	30 - 145
Chloroethane	50.0000	51.3326	103		0	40	60 - 135
Trichlorofluoromethane	50.0000	61.0449	122		7	40	60 - 145
1,1-Dichloroethene	50.0000	58.3531	117		13	40	70 - 130
Acetone	50.0000	49.1396	98		3	40	40 - 140
Carbon disulfide	50.0000	46.5085	93		7	40	35 - 160
Methylene chloride	50.0000	48.6077	97		3	40	55 - 140
trans-1,2-Dichloroethene	50.0000	50.3199	101		5	40	60 - 140
Methyl tert-butyl ether	50.0000	51.6214	103		2	40	65 - 125
1,1-Dichloroethane	50.0000	49.9618	100		5	40	70 - 135
2-Butanone	50.0000	51.3863	103		1	40	30 - 150
cis-1,2-Dichloroethene	50.0000	50.1741	100		6	40	70 - 125
Chloroform	50.0000	48.6050	97		2	40	65 - 135
1,1,1-Trichloroethane	50.0000	50.5409	101		7	40	65 - 130
Carbon tetrachloride	50.0000	51.6085	103		7	40	65 - 140
1,2-Dichloroethane	50.0000	49.9067	100		3	40	70 - 130
Benzene	50.0000	48.6640	97		3	40	80 - 120
Trichloroethene	50.0000	48.8665	98		5	40	70 - 125
1,2-Dichloropropane	50.0000	51.6565	103		5	40	75 - 125
Bromodichloromethane	50.0000	51.0466	102		1	40	75 - 120
cis-1,3-Dichloropropene	50.0000	51.4163	103		4	40	70 - 130
4-Methyl-2-pentanone	50.0000	53.3579	107		1	40	60 - 135
Toluene	50.0000	48.6399	97		5	40	75 - 120
trans-1,3-Dichloropropene	50.0000	52.8181	106		3	40	55 - 140
1,1,2-Trichloroethane	50.0000	51.5018	103		3	40	75 - 125
Tetrachloroethene	50.0000	49.1152	98		4	40	45 - 150
2-Hexanone	50.0000	54.9173	110		9	40	55 - 130
Dibromochloromethane	50.0000	53.3102	107		4	40	60 - 135
1,2-Dibromoethane	50.0000	52.3411	105		4	40	80 - 120
Chlorobenzene	50.0000	48.4896	97		6	40	80 - 120
Ethylbenzene	50.0000	49.2869	99		4	40	75 - 125
Xylene (Total)	150.0000	148.1068	99		6	40	81 - 121
Styrene	50.0000	52.1119	104		3	40	65 - 135
Bromoform	50.0000	56.9040	114		0	40	70 - 130
Isopropylbenzene	50.0000	49.7636	100		5	40	75 - 125
1,1,2,2-Tetrachloroethane	50.0000	51.5428	103		0	40	65 - 130
1,3-Dichlorobenzene	50.0000	48.9695	98		4	40	75 - 125
1,4-Dichlorobenzene	50.0000	49.0070	98		6	40	75 - 125
1,2-Dichlorobenzene	50.0000	50.1435	100		4	40	70 - 120
1,2-Dibromo-3-chloropropan	50.0000	56.2865	113		4	40	50 - 130
1,2,4-Trichlorobenzene	50.0000	56.6141	113		8	40	65 - 135
1,1,2-Trichloro-1,2,2-trif	50.0000	57.9417	116		3	40	70 - 130
Cyclohexane	50.0000	51.5550	103		8	40	70 - 130

SW846

0024

3 - FORM III
 WATER LABORATORY CONTROL
 SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.

V1XLCSO

Lab Name: MITKEM LABORATORIES

Contract:

Lab Code: MITKEM

Case No.:

Mod. Ref No.:

SDG No.: MG2256

Lab Sample ID: LCSD-40657

LCS Lot No.:

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC	#	%RPD	QC LIMITS	
						RPD	REC.
Methyl acetate	50.0000	46.9114	94		6	40	70 - 130
Methylcyclohexane	50.0000	51.6461	103		6	40	70 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 48 outside limits

Spike Recovery: 0 out of 48 outside limits

COMMENTS:

3 - FORM III
 WATER LABORATORY CONTROL
 SAMPLE RECOVERY

CLIENT SAMPLE NO.

V1BLCS

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2256
 Lab Sample ID: LCS-40695 LCS Lot No.: _____
 Date Extracted: 12/11/2008 Date Analyzed (1): 12/12/2008

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Dichlorodifluoromethane	50.0000	0.0000	43.8943	88		30 - 155
Chloromethane	50.0000	0.0000	46.5825	93		40 - 125
Vinyl chloride	50.0000	0.0000	48.9829	98		50 - 145
Bromomethane	50.0000	0.0000	55.0198	110		30 - 145
Chloroethane	50.0000	0.0000	50.5395	101		60 - 135
Trichlorofluoromethane	50.0000	0.0000	58.8176	118		60 - 145
1,1-Dichloroethene	50.0000	0.0000	58.3360	117		70 - 130
Acetone	50.0000	0.0000	49.2959	99		40 - 140
Carbon disulfide	50.0000	0.0000	46.6701	93		35 - 160
Methylene chloride	50.0000	0.0000	48.7002	97		55 - 140
trans-1,2-Dichloroethene	50.0000	0.0000	49.4735	99		60 - 140
Methyl tert-butyl ether	50.0000	0.0000	47.8246	96		65 - 125
1,1-Dichloroethane	50.0000	0.0000	48.7680	98		70 - 135
2-Butanone	50.0000	0.0000	50.0729	100		30 - 150
cis-1,2-Dichloroethene	50.0000	0.0000	48.2224	96		70 - 125
Chloroform	50.0000	0.0000	47.6345	95		65 - 135
1,1,1-Trichloroethane	50.0000	0.0000	47.8572	96		65 - 130
Carbon tetrachloride	50.0000	0.0000	49.3797	99		65 - 140
1,2-Dichloroethane	50.0000	0.0000	48.7817	98		70 - 130
Benzene	50.0000	0.0000	48.6045	97		80 - 120
Trichloroethene	50.0000	0.0000	47.3082	95		70 - 125
1,2-Dichloropropane	50.0000	0.0000	51.0909	102		75 - 125
Bromodichloromethane	50.0000	0.0000	49.0387	98		75 - 120
cis-1,3-Dichloropropene	50.0000	0.0000	48.7712	98		70 - 130
4-Methyl-2-pentanone	50.0000	0.0000	48.2376	96		60 - 135
Toluene	50.0000	0.0000	46.2820	93		75 - 120
trans-1,3-Dichloropropene	50.0000	0.0000	48.9160	98		55 - 140
1,1,2-Trichloroethane	50.0000	0.0000	49.4195	99		75 - 125
Tetrachloroethene	50.0000	0.0000	47.9769	96		45 - 150
2-Hexanone	50.0000	0.0000	45.5518	91		55 - 130
Dibromochloromethane	50.0000	0.0000	50.2991	101		60 - 135
1,2-Dibromoethane	50.0000	0.0000	49.4568	99		80 - 120
Chlorobenzene	50.0000	0.0000	47.2310	94		80 - 120
Ethylbenzene	50.0000	0.0000	47.8645	96		75 - 125
Xylene (Total)	150.0000	0.0000	142.9980	95		81 - 121
Styrene	50.0000	0.0000	50.5956	101		65 - 135
Bromoform	50.0000	0.0000	53.1296	106		70 - 130
Isopropylbenzene	50.0000	0.0000	47.5925	95		75 - 125
1,1,2,2-Tetrachloroethane	50.0000	0.0000	48.8255	98		65 - 130
1,3-Dichlorobenzene	50.0000	0.0000	47.5842	95		75 - 125
1,4-Dichlorobenzene	50.0000	0.0000	46.9019	94		75 - 125
1,2-Dichlorobenzene	50.0000	0.0000	48.4977	97		70 - 120
1,2-Dibromo-3-chloropropan	50.0000	0.0000	50.8751	102		50 - 130
1,2,4-Trichlorobenzene	50.0000	0.0000	51.2349	102		65 - 135

SW846

0026

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.

V1BLCS

Lab Name: MITKEM LABORATORIES Contract: _____
Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2256
Lab Sample ID: LCS-40695 LCS Lot No.: _____
Date Extracted: 12/11/2008 Date Analyzed (1): 12/12/2008

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
1,1,2-Trichloro-1,2,2-trif	50.0000	0.0000	52.5167	105		70 - 130
Cyclohexane	50.0000	0.0000	47.9529	96		70 - 130
Methyl acetate	50.0000	0.0000	44.7199	89		70 - 130
Methylcyclohexane	50.0000	0.0000	45.6166	91		70 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 48 outside limits

COMMENTS: _____

3 - FORM III
 WATER LABORATORY CONTROL
 SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.

V1BLCSD

Lab Name: MITKEM LABORATORIES

Contract:

Lab Code: MITKEM

Case No.:

Mod. Ref No.:

SDG No.: MG2256

Lab Sample ID: LCSD-40695

LCS Lot No.:

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC #		QC LIMITS	
					RPD	REC.
Dichlorodifluoromethane	50.0000	38.8032	78	12	40	30 - 155
Chloromethane	50.0000	41.8571	84	10	40	40 - 125
Vinyl chloride	50.0000	44.0919	88	11	40	50 - 145
Bromomethane	50.0000	48.2817	97	13	40	30 - 145
Chloroethane	50.0000	46.7311	93	8	40	60 - 135
Trichlorofluoromethane	50.0000	47.0783	94	23	40	60 - 145
1,1-Dichloroethene	50.0000	51.2328	102	14	40	70 - 130
Acetone	50.0000	45.1436	90	10	40	40 - 140
Carbon disulfide	50.0000	43.5000	87	7	40	35 - 160
Methylene chloride	50.0000	44.6874	89	9	40	55 - 140
trans-1,2-Dichloroethene	50.0000	44.1831	88	12	40	60 - 140
Methyl tert-butyl ether	50.0000	44.6622	89	8	40	65 - 125
1,1-Dichloroethane	50.0000	43.4621	87	12	40	70 - 135
2-Butanone	50.0000	47.5563	95	5	40	30 - 150
cis-1,2-Dichloroethene	50.0000	44.2347	88	9	40	70 - 125
Chloroform	50.0000	43.1502	86	10	40	65 - 135
1,1,1-Trichloroethane	50.0000	43.3425	87	10	40	65 - 130
Carbon tetrachloride	50.0000	44.7605	90	10	40	65 - 140
1,2-Dichloroethane	50.0000	45.5933	91	7	40	70 - 130
Benzene	50.0000	43.5791	87	11	40	80 - 120
Trichloroethene	50.0000	42.6578	85	11	40	70 - 125
1,2-Dichloropropane	50.0000	46.0618	92	10	40	75 - 125
Bromodichloromethane	50.0000	46.4975	93	5	40	75 - 120
cis-1,3-Dichloropropene	50.0000	44.1287	88	11	40	70 - 130
4-Methyl-2-pentanone	50.0000	46.3738	93	3	40	60 - 135
Toluene	50.0000	42.3123	85	9	40	75 - 120
trans-1,3-Dichloropropene	50.0000	46.3186	93	5	40	55 - 140
1,1,2-Trichloroethane	50.0000	46.7820	94	5	40	75 - 125
Tetrachloroethene	50.0000	43.5074	87	10	40	45 - 150
2-Hexanone	50.0000	44.5975	89	2	40	55 - 130
Dibromochloromethane	50.0000	47.1265	94	7	40	60 - 135
1,2-Dibromoethane	50.0000	47.4382	95	4	40	80 - 120
Chlorobenzene	50.0000	42.4427	85	10	40	80 - 120
Ethylbenzene	50.0000	43.8471	88	9	40	75 - 125
Xylene (Total)	150.0000	130.8049	87	9	40	81 - 121
Styrene	50.0000	46.7464	93	8	40	65 - 135
Bromoform	50.0000	49.3623	99	7	40	70 - 130
Isopropylbenzene	50.0000	44.0900	88	8	40	75 - 125
1,1,2,2-Tetrachloroethane	50.0000	47.7372	95	3	40	65 - 130
1,3-Dichlorobenzene	50.0000	44.3430	89	7	40	75 - 125
1,4-Dichlorobenzene	50.0000	43.8584	88	7	40	75 - 125
1,2-Dichlorobenzene	50.0000	44.9986	90	7	40	70 - 120
1,2-Dibromo-3-chloropropan	50.0000	49.8524	100	2	40	50 - 130
1,2,4-Trichlorobenzene	50.0000	47.3717	95	7	40	65 - 135
1,1,2-Trichloro-1,2,2-trif	50.0000	46.7129	93	12	40	70 - 130
Cyclohexane	50.0000	42.4868	85	12	40	70 - 130

SW846

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3 - FORM III
 WATER LABORATORY CONTROL
 SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.

V1BLCSD

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2256
 Lab Sample ID: LCSD-40695 LCS Lot No.: _____

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC	#	%RPD	#	QC LIMITS	
							RPD	REC.
Methyl acetate	50.0000	47.5673	95		7		40	70 - 130
Methylcyclohexane	50.0000	42.2697	85		7		40	70 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 48 outside limits

Spike Recovery: 0 out of 48 outside limits

COMMENTS:

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBLK1X

Lab Name: MITKEM LABORATORIES Contract: _____
Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2256
Lab File ID: V1K2481.D Lab Sample ID: MB-40657
Instrument ID: V1
Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 12/09/2008
Level: (TRACE or LOW/MED) LOW Time Analyzed: 18:04
GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V1XLCS	LCS-40657	V1K2482.D	18:33
02	V1XLCS D	LCSD-40657	V1K2483.D	19:02
03	EFFLUENT	G2256-02C	V1K2491.D	22:53

COMMENTS:

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLK1X

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2256
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-40657
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K2481.D
 Level: (TRACE/LOW/MED) LOW Date Received: _____
 % Moisture: not dec. Date Analyzed: 12/09/2008
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl tert-butyl ether	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (Total)	1.0	U

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLK1X

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2256
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-40657
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K2481.D
 Level: (TRACE/LOW/MED) LOW Date Received: _____
 % Moisture: not dec. Date Analyzed: 12/09/2008
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
100-42-5	Styrene		1.0 U
75-25-2	Bromoform		1.0 U
98-82-8	Isopropylbenzene		1.0 U
79-34-5	1,1,2,2-Tetrachloroethane		1.0 U
541-73-1	1,3-Dichlorobenzene		1.0 U
106-46-7	1,4-Dichlorobenzene		1.0 U
95-50-1	1,2-Dichlorobenzene		1.0 U
96-12-8	1,2-Dibromo-3-chloropropane		1.0 U
120-82-1	1,2,4-Trichlorobenzene		1.0 U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		1.0 U
110-82-7	Cyclohexane		1.0 U
79-20-9	Methyl acetate		1.0 U
108-87-2	Methylcyclohexane		1.0 U

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBLK1B

Lab Name: MITKEM LABORATORIES Contract: _____
Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2256
Lab File ID: V1K2584.D Lab Sample ID: MB-40695
Instrument ID: V1
Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 12/12/2008
Level: (TRACE or LOW/MED) LOW Time Analyzed: 00:58
GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V1BLCS	LCS-40695	V1K2585.D	01:27
02	V1BLCS D	LCSD-40695	V1K2586.D	01:56
03	INFLUENT	G2256-01C	V1K2589.D	03:23

COMMENTS: _____

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLK1B

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2256
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-40695
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K2584.D
 Level: (TRACE/LOW/MED) LOW Date Received: _____
 % Moisture: not dec. Date Analyzed: 12/12/2008
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	1.0	U
75-09-2	Methylene chloride	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl tert-butyl ether	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
71-43-2	Benzene	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	Xylene (Total)	1.0	U

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLK1B

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2256
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-40695
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K2584.D
 Level: (TRACE/LOW/MED) LOW Date Received: _____
 % Moisture: not dec. Date Analyzed: 12/12/2008
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	Q
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U
110-82-7	Cyclohexane	1.0	U
79-20-9	Methyl acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U



* Wet Chemistry *

Mitkem Laboratories

Date: 18-Dec-08

Client: Ecology and Environment Engineering, P.C.

Client Sample ID: INFLUENT

Project: Mr. C's Dry Cleaning

Lab ID: G2256-01

Collection Date: 12/03/08 12:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2340 -- HARDNESS by Calculation							SM2340_W
Hardness, Ca/Mg (As CaCO3)	530		4.0	mg/L CaCO3		1 12/15/2008 10:42	40685
SM 4500 pH -- pH VALUE							SM4500_H+
pH	6.9		1.0	S.U.		1 12/04/2008 12:25	R34750

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

RL - Reporting Limit

Mitkem Laboratories

Date: 18-Dec-08

Client: Ecology and Environment Engineering, P.C.

Client Sample ID: EFFLUENT

Project: Mr. C's Dry Cleaning

Lab ID: G2256-02

Collection Date: 12/03/08 12:30

Analyses	Result	Qual	RL Units	DF	Date Analyzed	Batch ID
SM 2340 -- HARDNESS by Calculation						SM2340_W
Hardness, Ca/Mg (As CaCO3)	510		4.0 mg/L CaCO3		112/15/2008 10:45	40686
SM 4500 pH -- pH VALUE						SM4500_H+
pH	8.1		1.0 S.U.		112/04/2008 12:31	R34750

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

RL - Reporting Limit

CLIENT: Ecology and Environment Engineering, P.C.
 Work Order: G2256
 Project: Mir. C's Dry Cleaning

ANALYTICAL QC SUMMARY REPORT
 SM2340_W
 SM 2340 -- HARDNESS by Calculation

Sample ID: MB-40686	SampType: MBLK	TestCode: SM2340_W	Prep Date: 12/10/2008	Run ID: OPTIMA2_081215A
Client ID: MB-40686	Batch ID: 40686	Units: mg/L CaCO3	Analysis Date: 12/15/2008	SeqNo: 951055
Analyte	Result	PQL	SPK Ref Val	RPD Ref Val
Hardness, Ca/Mg (As CaCO3)	ND	4.0	%REC LowLimit HighLimit	%RPD RPDLimit Qual

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantification limits
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank

2340

CLIENT: Ecology and Environment Engineering, P.C.

Work Order: G2256

Project: Mr. C's Dry Cleaning

ANALYTICAL QC SUMMARY REPORT

SM4500_H+

SM 4500 pH -- pH VALUE

Sample ID: G2256-01ADUP

Client ID: INFLUENT

Analyte

Sample Type: DUP

Batch ID: R34750

Test Code: SM4500_H+

Units: S.U.

Result

6.950

PQL

1.0

Prep Date: 12/4/2008

Analysis Date: 12/4/2008

Run ID: PH METER_081204A

SeqNo: 942636

SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
0	0	0	0	0	6.930	0.288	20	

5549

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

Last Page of Data Report

Attachment C

**Summary of Site Utility Costs and Projections
January to December 2008**

Mr. C's Dry Cleaners Site - Remedial Treatment Utility Cost
NYSDEC Work Assignment #DC13
12 Months of System Operation and Maintenance
December 2008 Report

ATTACHMENT C

Month	Possible OP Hours	Actual OP Hours	Up-Time Percent	Percent Capacity*	Budget Remaining:	Electric:	Telephone:	Gas	Total:
September-03	96	96	100.00%	58%	\$7,546.10			\$83.28	
October-03	168	168	100.00%	6%					
November-03	720	720	100.00%	5%					
December-03	744	744	100.00%	28%					
January-04	672	672	100.00%	16%					
February-04	696	696	100.00%	21%					
March-04	816	815	99.88%	51%					
April-04	672	670	99.70%	50%					
May-04	696	513	73.71%	43%					
June-04	696	692	99.43%	30%					
July-04	840	840	100.00%	47%					
August-04	672	672	100.00%	42%					
September-04	840	820	97.62%	31%					
October-04	672	607	90.33%	33%					
November-04	696	641.5	92.17%	37%					
December-04	816	792	97.06%	42%					
January-05	840	840	100.00%	46%					
February-05	672	660	98.21%	41%					
March-05	840	828	98.57%	33%					
April-05	696	608	87.50%	58%					
May-05	840	768	91.43%	36%					
June-05	744	644	86.56%	30%					
July-05	624	605.5	97.04%	44%					
August-05	696	696	100.00%	44%					
September-05	864	864	100.00%	40%					
October-05	672	672	100.00%	39%					
November-05	672	659	98.07%	34%					
December-05	864	854	98.84%	29.6%					
January-06	816	816	100.00%	36.7%					
February-06	696	696	100.00%	54.8%					
March-06	696	696	100.00%	56.4%					
April-06	696	689	98.99%	34.3%					
May-06	696	689	98.99%	32.3%					
June-06	816	812	99.51%	28.6%					
July-06	624	621	99.52%	27.8%					
August-06	696	696	100.00%	26.4%					
September-06	840	834	99.29%	28.2%					
October-06	628	609	96.91%	27.0%					
November-06	672	672	100.00%	28.7%					
December-06	720	706	98.06%	28.6%					
Totals to Date	28132	27394	97.38%						

General Operation Comments
 Shutdown by Tyree after Separable Part B inspection
 Official Startup by O&M Enterprises on 10/22/03
 Equipment shutdown- low flow of water to air stripper - 5/17-24/04
 Individual pumps shutdown for inspection and cleaning
 100% operational
 100% operational
 Temporary Stripper Shutdown
 65 hour weekend shutdown due to low pressure problems with the airstripper
 GAC units removed from treatment system operations
 GAC units removed from project site 1/14/05
 Unit cleaned February 4, 2005
 Unit shut down for additional cleaning and sequestering agent review.
 Unit cleaned April 8, 2005. Back in service until new sequestering agent approved and installed.
 Unit re-cleaned and new water treatment chemical started operations on 5/19/05
 Extremely dry month of June.
 Extremely dry month of July.
 Extremely dry month of August.
 Extremely dry month of September.
 Extremely dry month of October.
 Power outage occurred November 6, 2005
 Air Stripper cleaning occurred on 12/27/05
 Dry month, 5 hours for cleaning the stripper
 Dry month, 5 hours for cleaning the stripper
 Stripper cleaning performed
 power outage from severe winter storm 10/12-10/14

