



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

December 4, 2008

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
November 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 November 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 10/30/08 and 12/3/08. Table 1 is provided to indicate the monthly operational time of the treatment equipment from the time of system startup. While the treatment system was 100% operational, problems were encountered with the environmental lead wiring with groundwater pump – RW-1. The environmental lead was replaced on November 25, 2008 with the pump now fully operational.
- The effluent totalizer readings for the month of November 2008 indicate that approximately 540,781 gallons of groundwater were processed through the remedial treatment system for the period 10/30/08 and 12/3/08. 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 10/30/08, 11/6/08, 11/11/08, 11/18/08, 11/25/08, and 12/3/08. Weekly system checks indicated that the air stripper differential pressure remained between 0.022 to 0.035 inches of water while air stripper pressure varied between 32.0 and 39.5 inches of water column during the month of November 2008. These levels are within the operating range recommended by the equipment manufacturer.
- Filter gauge pressure readings observed during weekly inspections ranged between 5.0 and 5.5 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 November 2008, the feed rate for the agent ranged between 4.0 and 7.0 ml/min.
- The analytical results from compliance sampling performed on November 6, 2008 (Attachment B) were received by EEEPC on November 24, 2008. A review of the analytical data revealed the influent water contaminants above the detection limits to be 2,345 ug/L or 2,345 ppb, and the total of the treated effluent contaminants levels to be less than 3.8 ug/L or 3.8 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 November 6, 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 November 2008 reporting period decreased approximately 14% under the October 2008 levels. This decrease in system throughput is assumed to be the troubles encountered with the RW-1 pump. The RW-1 pump is the primary producer of groundwater into the treatment system. The environmental electrical leads were replaced on November 25, 2008.
- A summary of the groundwater pump maintenance for the groundwater pumping system performed by IEG is provided after the December 3, 2008 IEG report.

Agway Site Remedial Information

- Construction equipment is again being parked on the Agway property by the contractor for the DOT reconstruction project of Main Street. Mike Steffan contacted Tim Haines, DOT EIC to have equipment removed from the site. IEG also discussed removal of the construction from around the maintenance access points.
- AS System compressor is making noises. IEG will continue to observe and contact firm for compressor repair.
- Sampling of the Soil Vapor Extraction system effluent is scheduled for December 2008 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 December 2008. The indoor ambient air report for the First Presbyterian Church will be issue in December 2008. Analytical result 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 December 3, 2008 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 November 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 November 6, 2008. Overall cleanup efficiency for the reporting period 10/30/08 to 12/3/08 was 99.84% based on analytical testing performed by Mitkem Laboratories. Excerpts from the Analytical Data package for the November 6, 2008 sampling event are presented in Table 3.

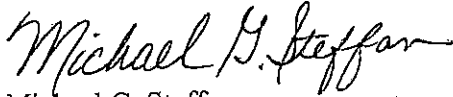
The November 2008 monthly analytical results indicate that the treated groundwater effluent is below the site specific Effluent Discharge Limitation Requirements (SPDES Equivalency Permit) for all compounds. The summary of Effluent Discharge Criteria & Analytical Compliance Results are presented in Table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

- Approximately 10.56 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
December 4, 2008
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If you have questions regarding the November 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.



Michael G. Steffan
Project Manager

cc: D. Szymanski, Region 9, NYSDEC - Buffalo w/ attachments
D. Iyer, IEG - w/attachments
J. Kohler, EEEPC - Buffalo w/ attachments
CTF- 002700.DC13.02.01.01

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

Month	Reporting Hours	Operational Up-time
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 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
Total Gallons Treated To Date:		97,943,758

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
 November 2008 VOC Analytical Summary

Compound	11/6/2008 Sampling Results			Cleanup Efficiency (%)	
	Influent Concentration* (ug/L)	Effluent Concentration* (ug/L)	Cleanup Efficiency* (%)		
Acetone	ND (<100.0)	U	ND (<5.0)	U	NA
Benzene	ND (<20.0)	U	ND (<1.0)	U	NA
2-Butanone	ND (<100.0)	U	ND (<5.0)	U	NA
cis-1, 2-Dichloroethene	32.00		ND (<1.0)	U	100%
Methylene chloride	ND (<20.0)	U	ND (<1.0)	U	NA
Methyl tert-butyl ether (MTBE)	21.00		1.3		93.81%
Tetrachloroethene	2200.00		2.5		99.89%
Toluene	ND (<20.0)	U	ND (<1.0)	U	NA
Trichloroethene	92.00		ND (<1.0)	U	100%
Carbon Disulfide	ND (<20.0)	U	ND (<1.0)	U	NA
1,1,2 Trichloro-1,2,2-trifluoroethane	ND (<20.0)	U	ND (<1.0)	U	NA
Cyclohexane	ND (<20.0)	U	ND (<1.0)	U	NA
Methylcyclohexane	ND (<20.0)	U	ND (<1.0)	U	NA
Total Xylenes	ND (<20.0)	U	ND (<1.0)	U	NA
October 6, 2008 TOTALs (in ug/L) =	2345.00		3.8		99.84%

- 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	November 6, 2008 Effluent Analytical Values - Compliance
Flow	216,000	gpd	15,905 gpd ⁶
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	2.5
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	1.3
o-Xylene ³	5	µg/L	NA
m, p-Xylene ³	10	µg/L	NA
Total Xylenes	NA	µg/L	ND(<1.0)
Iron, total	600	µg/L	NA
Aluminum	6,000	µg/L	NA
Copper	48	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	230	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 October 30, 2008 through December 3, 2008. Total gallons: 540,781 divided by 34 operating days (815 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
Total pounds of VOCs removed since inception =				1,332.80

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 µg/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 November 6, 2008:

Pounds of VOCs removed calculated by the following formula:

$$2345 \mu\text{g/L} - 3.8 \mu\text{g/L} * (0.0\text{e}/10^6 \mu\text{e}) * (1 \text{ lb}/453.5924 \text{ g}) * 540.781 \text{ gallons} * (3.785 \text{ L/gallon}) \sim 10.56 \text{ lbs}$$

where 540,781 gallons is the monthly process water volume.

Attachment A
IEG Weekly Inspection Reports
November 2008

Including:

10/30/08

11/6/08

11/11/08

11/18/08

11/25/08

12/3/08

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

DATE: 6-Nov-08 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: _____

WEATHER CONDITIONS: Sunny, warm OUTSIDE TEMPERATURE (°F): 66

ARE WELL PUMPS OPERATING IN AUTO: YES: NO: _____ If "NO", provide explanation below

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: <input checked="" type="checkbox"/>	OFF: <u>18</u> ft	PW-5	ON: _____	OFF: <input checked="" type="checkbox"/> <u>6</u> ft
PW-2	ON: _____	OFF: <input checked="" type="checkbox"/> <u>5</u> ft	PW-6	ON: _____	OFF: <input checked="" type="checkbox"/> <u>5</u> ft
PW-3	ON: _____	OFF: <input checked="" type="checkbox"/> <u>6</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>4</u> ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 10/16/08 Air Stripper High Level

NOTES: _____

INFLUENT FLOW RATE: 22 gpm INFLUENT TOTALIZER READING: 8,875,994.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 22 inches (x 1.7=) AMOUNT OF AGENT REMAINING: 37 gallons

SEQUESTERING AGENT FEED RATE: 7.0 ml/min METERING PUMP PRESSURE: 4.0 psi

BAG FILTER PRESSURES:	LEFT:	Top	Bottom	psi	RIGHT:	Top	Bottom	psi
		<u>0</u>	<u>0</u>			<u>5.5</u>	<u>0</u>	

INFLUENT FEED PUMP IN USE: #1 _____ #2 INFLUENT PUMP PRESSURE: 29.5 psi

AIR STRIPPER BLOWER IN USE: #1 _____ #2 AIR STRIPPER PRESSURE: 32.0 in. H₂O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.035 in. H₂O DISCHARGE PRESSURE: 1.0 in. H₂O

EFFLUENT PUMP IN USE: #1 #2 _____ EFFLUENT FEED PUMP PRESSURE: 8.5 psi

EFFLUENT FLOW RATE: 87 gpm EFFLUENT TOTALIZER READING: 47,568,635 681490 gallons

ARE BUILDING HEATERS IN USE? YES: _____ NO: INSIDE TEMPERATURE (°F): 72

IS SUMP PUMP IN USE: YES: NO: _____ ARE ANY LEAKS PRESENT? YES: _____ NO:

WATER LEVEL IN SUMP: 6.0 in. TREATMENT BUILDING CLEAN & ORGANIZED? YES: NO: _____

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

6-Nov-08

SAMPLES COLLECTED? YES: NO:

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	1:00 PM	7.35	5.54	15.4	2895
AIR STRIPPER EFFLUENT:	EFF	1:00 PM	8.47	5.91	16.2	2769

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:

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

Remarks: PW-3 - pitless adapter is not sealing well.

Other Actions:

AGWAY

SYSTEM VACUUM: <u>-20</u> in. H ₂ O				AIR PRESSURE: <u>120</u> psi					
SP-1:	<u>0.0</u>	scfm	<u>6.5</u>	psi	SP-5:	<u>0.0</u>	scfm	<u>29.0</u>	psi
SP-2:	<u>6.8</u>	scfm	<u>7.5</u>	psi	SP-6:	<u>2.0</u>	scfm	<u>> 30</u>	psi
SP-3:	<u>0.0</u>	scfm	<u>8.0</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>1.1</u>	scfm	<u>> 30</u>	psi

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

Remarks: Construction equipment and materials are parked all through the Agway site. Material is parked on both sides of the shed.

Other Actions: A rattle in the electric compressor motor that started after the CRV problem two weeks ago is now getting louder.

MR. C's DRY CLEANERS SITE
 NYSDEC Site #9-15-157
OM&M: PIEZOMETER WATER LEVEL LOG

Date: 7-Nov-08

Measurements taken by: R. Allen

RW-1	<u>11.20</u> ft	Comments:	
PZ-1A	<u>11.14</u> ft	Comments:	
PZ-1B	<u>10.87</u> ft	Comments:	
PZ-1C	<u>12.04</u> ft	Comments:	
PZ-1D	<u>12.18</u> ft	Comments:	
PW-2	<u>19.80</u> ft	Comments:	
PZ-2A	<u>10.86</u> ft	Comments:	
PZ-2B	<u>11.15</u> ft	Comments:	
PZ-2C	<u>10.70</u> ft	Comments:	
MW-7	<u>11.20</u> ft	Comments:	Substitute for 2D
PW-3	<u>18.70</u> ft	Comments:	Not sealing well
PZ-3A	<u>11.25</u> ft	Comments:	
PZ-3B	<u>11.40</u> ft	Comments:	
PZ-3C	<u>11.81</u> ft	Comments:	
PZ-3D	<u>11.41</u> ft	Comments:	
PW-4	<u>20.10</u> ft	Comments:	
PZ-4A	<u>11.86</u> ft	Comments:	
PZ-4B	<u>11.03</u> ft	Comments:	
PZ-4C	<u>11.18</u> ft	Comments:	
PZ-4D	<u>10.51</u> ft	Comments:	

PW-5	<u>13.60</u> ft	Comments:	
PZ-5A	<u>10.23</u> ft	Comments:	
PZ-5B	<u>10.84</u> ft	Comments:	
PZ-5C	<u>10.39</u> ft	Comments:	
PZ-5D	<u>11.30</u> ft	Comments:	
PW-6	<u>18.50</u> ft	Comments:	
PZ-6A	<u>11.93</u> ft	Comments:	
PZ-6B	<u>11.74</u> ft	Comments:	
PZ-6C	<u>12.04</u> ft	Comments:	
PZ-6D	<u>11.66</u> ft	Comments:	Shown as RW-2 on map
PW-7	<u>20.50</u> ft	Comments:	
MPI-6S	<u>11.55</u> ft	Comments:	
PZ-7B	<u>11.93</u> ft	Comments:	
OW-B	<u>11.59</u> ft	Comments:	
PZ-7D	<u>11.45</u> ft	Comments:	
PW-8	<u>20.10</u> ft	Comments:	
PZ-8A	<u>8.56</u> ft	Comments:	
PZ-8B	<u>8.45</u> ft	Comments:	
PZ-8C	<u>8.11</u> ft	Comments:	
PZ-8D	<u>8.38</u> ft	Comments:	

PUMPS IN OPERATION DURING MEASUREMENTS			
RW-1 pump on?	Yes	<input checked="" type="checkbox"/>	No
PW-2 pump on?	Yes	<input checked="" type="checkbox"/>	No
PW-3 pump on?	Yes	<input checked="" type="checkbox"/>	No
PW-4 pump on?	Yes	<input checked="" type="checkbox"/>	No
PW-5 pump on?	Yes	<input checked="" type="checkbox"/>	No
PW-6 pump on?	Yes	<input checked="" type="checkbox"/>	No
PW-7 pump on?	Yes	<input checked="" type="checkbox"/>	No
PW-8 pump on?	Yes	<input checked="" type="checkbox"/>	No

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

DATE: 11-Nov-08 ACTIVITIES: Site Inspection

INSPECTION PERSONNEL: R. Allen OTHER PERSONNEL: _____

WEATHER CONDITIONS: Cloudy, cool OUTSIDE TEMPERATURE (°F): 40

ARE WELL PUMPS OPERATING IN AUTO: YES: NO: _____ If "NO", provide explanation below

RW-1 remains ON with the water level staying at 18.

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>18</u> ft	PW-5	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>3</u> ft
PW-2	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>7</u> ft	PW-6	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>7</u> ft
PW-3	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>4</u> ft	PW-7	ON: <input checked="" type="checkbox"/>	OFF: _____	<u>8</u> ft
PW-4	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>7</u> ft	PW-8	ON: _____	OFF: <input checked="" type="checkbox"/>	<u>6</u> ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 10/16/08 Air Stripper High Level

NOTES: _____

INFLUENT FLOW RATE: 21 gpm INFLUENT TOTALIZER READING: 8,982,523.0 gallons

SEQUESTERING AGENT DRUM LEVEL: 17 Inches (x 1.7=) AMOUNT OF AGENT REMAINING: 28.9 gallons

SEQUESTERING AGENT FEED RATE: 7.0 ml/min METERING PUMP PRESSURE: 4.0 psi

BAG FILTER PRESSURES:	Top	Bottom	LEFT: <u>0</u> <u>0</u> psi	RIGHT: <u>5.5</u> <u>0</u> psi
	LEFT: <u>0</u>	RIGHT: <u>5.5</u>		

INFLUENT FEED PUMP IN USE: #1 _____ #2 INFLUENT PUMP PRESSURE: 29.5 psi

AIR STRIPPER BLOWER IN USE: #1 _____ #2 AIR STRIPPER PRESSURE: 35.0 in. H₂O

AIR STRIPPER DIFFERENTIAL PRESSURE: 0.03 in. H₂O DISCHARGE PRESSURE: 1.0 in. H₂O

EFFLUENT PUMP IN USE: #1 #2 _____ EFFLUENT FEED PUMP PRESSURE: 10.5 psi

EFFLUENT FLOW RATE: 84 gpm EFFLUENT TOTALIZER READING: 47,634,019 | 747020 gallons

ARE BUILDING HEATERS IN USE? YES: _____ NO: INSIDE TEMPERATURE (°F): 62

IS SUMP PUMP IN USE: YES: NO: _____ ARE ANY LEAKS PRESENT? YES: NO: _____

WATER LEVEL IN SUMP: 7.0 in. TREATMENT BUILDING CLEAN & ORGANIZED? YES: NO: _____

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

11-Nov-08

SAMPLES COLLECTED? YES: _____ NO:

Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
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:

Digging has been done at the corner of Whaley Ave and the Library driveway exit. The closest group to the excavation is PW-4.

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

Remarks: Reduced Redux pump slightly to: Right 1.9; Left 0.9.

Other Actions: Emptied (5) gals from Air Stripper exhaust drip bucket; checked flow rates on individual groundwater pumps

Individual pump flows: RW-1 = 0; PW-2 = 12; PW-3 = 9; PW-4 = 25; PW-5 = 12; PW-6 = 13; PW-7 = 14; PW-8 = 8 gpm;

Will investigate why RW-1 is not pumping groundwater

Installed Pentabloc Multi-Function Valve and hose to Redux system; Replace worn MW cover bolts.

Disassembled and cleaned effluent meter.

AGWAY

SYSTEM VACUUM: <u>-21</u> in. H ₂ O				AIR PRESSURE: <u>10</u> psi					
SP-1:	<u>0.0</u>	scfm	<u>5.5</u>	psi	SP-5:	<u>0.0</u>	scfm	<u>29.5</u>	psi
SP-2:	<u>7.0</u>	scfm	<u>9.0</u>	psi	SP-6:	<u>2.0</u>	scfm	<u>> 30</u>	psi
SP-3:	<u>0.0</u>	scfm	<u>9.5</u>	psi	SP-7:	<u>0.0</u>	scfm	<u>> 30</u>	psi
SP-4:	<u>0.0</u>	scfm	<u>10.0</u>	psi	SP-8:	<u>1.5</u>	scfm	<u>> 30</u>	psi

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

Remarks: Construction vehicles and materials are parked throughout the Agway site.

Other Actions: Rattling sound present in Baldor electric motor of the compressor.

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

DATE: <u>18-Nov-08</u>		ACTIVITIES: <u>Site Inspection</u>									
INSPECTION PERSONNEL: <u>R. Allen</u>		OTHER PERSONNEL: _____									
WEATHER CONDITIONS: <u>Partly cloudy, cool</u>		OUTSIDE TEMPERATURE (° F): <u>30</u>									
ARE WELL PUMPS OPERATING IN AUTO: YES: _____ NO: <input checked="" type="checkbox"/> If "NO", provide explanation below											
<u>RW-1 is OFF due to maintenance problem. RW-1 reads ON at PanelView despite being turned OFF.</u>											
PROVIDE WATER LEVEL READINGS ON CONTROL PANEL											
RW-1	ON: <input checked="" type="checkbox"/>	OFF: <u>18</u> ft	PW-5 ON: _____ OFF: <input checked="" type="checkbox"/> <u>7</u> ft								
PW-2	ON: _____	OFF: <input checked="" type="checkbox"/> <u>6</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: <input checked="" type="checkbox"/> OFF: _____ <u>7</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: <u>When RW-1 is ON, water level in well does not decrease.</u>											
INFLUENT FLOW RATE: <u>14</u> gpm		INFLUENT TOTALIZER READING: <u>9,134,355.0</u> gallons									
SEQUESTERING AGENT DRUM LEVEL: <u>10</u> inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>17</u> gallons									
SEQUESTERING AGENT FEED RATE: <u>5.0</u> ml/min		METERING PUMP PRESSURE: <u>4.5</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;">5</td><td style="text-align: center;">0</td></tr></table> psi		Top	Bottom	5	0
Top	Bottom										
0	0										
Top	Bottom										
5	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>38.0</u> in. H ₂ O									
AIR STRIPPER DIFFERENTIAL PRESSURE: <u>0.025</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>9.0</u> psi									
EFFLUENT FLOW RATE: <u>86</u> gpm		EFFLUENT TOTALIZER READING: <u>47,722,521</u> 835900 gallons									
ARE BUILDING HEATERS IN USE? YES: _____ NO: <input checked="" type="checkbox"/>		INSIDE TEMPERATURE (° F): <u>56</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>6.0</u> in.		TREATMENT BUILDING CLEAN & ORGANIZED? YES: <input checked="" type="checkbox"/> NO: _____									

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

18-Nov-08

SAMPLES COLLECTED? YES: NO:

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
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:

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

Remarks: Emptied 2.5 gals from Air Stripper exhaust drip bucket.

Other Actions:

AGWAY

SYSTEM VACUUM: <u>-19</u> in. H ₂ O				AIR PRESSURE: <u>120</u> psi			
SP-1:	<u>0.0</u>	scfm	<u>8.0</u> psi	SP-5:	<u>0.0</u>	scfm	<u>28.5</u> psi
SP-2:	<u>7.2</u>	scfm	<u>8.5</u> psi	SP-6:	<u>1.6</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 throughout the Agway Site. Tracks from construction equipment are visible over groups PW-2 and PW-3 despite having put wooden barriers near them.

Other Actions: Rattling noise coming from electric motor on compressor.

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

DATE: <u>25-Nov-08</u>		ACTIVITIES: <u>Site Inspection</u>									
INSPECTION PERSONNEL: <u>R. Allen, D. Iyer</u>		OTHER PERSONNEL: <u>R. Carroll</u>									
WEATHER CONDITIONS: <u>Partly cloudy, cool</u>		OUTSIDE TEMPERATURE (°F): <u>36</u>									
ARE WELL PUMPS OPERATING IN AUTO: YES: <input checked="" type="checkbox"/> NO: <input type="checkbox"/> If "NO", provide explanation below											
<u>RW-1 maintenance problem is repaired.</u>											
PROVIDE WATER LEVEL READINGS ON CONTROL PANEL											
RW-1	ON: <input checked="" type="checkbox"/>	OFF: <u>18</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>5</u> ft	PW-6 ON: <input type="checkbox"/> OFF: <input checked="" type="checkbox"/> <u>7</u> ft								
PW-3	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>6</u> ft	PW-7 ON: <input type="checkbox"/> OFF: <input checked="" type="checkbox"/> <u>5</u> ft								
PW-4	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>5</u> ft	PW-8 ON: <input type="checkbox"/> 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>20</u> gpm		INFLUENT TOTALIZER READING: <u>9,282,539.0</u> gallons									
SEQUESTERING AGENT DRUM LEVEL: <u>4</u> inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>6.8</u> gallons									
SEQUESTERING AGENT FEED RATE: <u>4.0</u> ml/min		METERING PUMP PRESSURE: <u>4.0</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;">5</td><td style="text-align: center;">0</td></tr></table> psi		Top	Bottom	5	0
Top	Bottom										
0	0										
Top	Bottom										
5	0										
INFLUENT FEED PUMP IN USE: #1 <input type="checkbox"/> #2 <input checked="" type="checkbox"/>		INFLUENT PUMP PRESSURE: <u>29.5</u> psi									
AIR STRIPPER BLOWER IN USE: #1 <input type="checkbox"/> #2 <input checked="" type="checkbox"/>		AIR STRIPPER PRESSURE: <u>39.0</u> in. H ₂ O									
AIR STRIPPER DIFFERENTIAL PRESSURE: <u>0.023</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>9.5</u> psi									
EFFLUENT FLOW RATE: <u>84</u> gpm		EFFLUENT TOTALIZER READING: <u>47,805,020</u> 918580 gallons									
ARE BUILDING HEATERS IN USE? YES: <input checked="" type="checkbox"/> NO: <input type="checkbox"/>		INSIDE TEMPERATURE (°F): <u>59</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>4.5</u> in.		TREATMENT BUILDING CLEAN & ORGANIZED? YES: <input checked="" type="checkbox"/> NO: <input type="checkbox"/>									

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: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>7</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 type="checkbox"/> OFF: <input checked="" type="checkbox"/> <u>4</u> ft								
PW-3	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>5</u> ft	PW-7 ON: <input checked="" type="checkbox"/> OFF: <input type="checkbox"/> <u>4</u> ft								
PW-4	ON: <input type="checkbox"/>	OFF: <input checked="" type="checkbox"/> <u>7</u> ft	PW-8 ON: <input checked="" type="checkbox"/> OFF: <input 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>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:											
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;">5</td><td style="text-align: center;">0</td></tr></table> psi		Top	Bottom	5	0
Top	Bottom										
0	0										
Top	Bottom										
5	0										
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>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 <input type="checkbox"/>		EFFLUENT FEED PUMP PRESSURE: <u>8.5</u> psi									
EFFLUENT FLOW RATE: <u>84</u> gpm		EFFLUENT TOTALIZER READING: <u>48,017,531</u> 132030 gallons									
ARE BUILDING HEATERS IN USE? YES: <input type="checkbox"/> NO: <input type="checkbox"/>		INSIDE TEMPERATURE (°F): _____									
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>7.0</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

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.

Rattling 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 CLEANERS OM&M STATUS OF 2008 OM&M ACTIVITIES BY IEG

as of 11/30/08

ACTIVITY	DESCRIPTION	COMPLETION DATE/STATUS
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
Repair PW-2	Pump was not operational. Pump motor was not rebuildable. Replaced water pump.	Jul-08
Repair PW-3	Pump was not operational. Pump motor was not rebuildable. Replaced water pump.	Jul-08
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
Repair PW-5	Pump was not operational. Pump motor was not rebuildable. Replaced water pump.	Jul-08
Repair PW-6	The pump is not coming on. Pump motor was not rebuildable. Replaced water pump.	Jul-08
Repair PW-7	Inspected and cleaned pump. Underground Enclosure accumulates rainwater. Installed aneroid bellows.	Jul-08
Repair PW-8	Pump was not operational. Pump motor was not rebuildable. Replaced water pump. Pitless adapter was cross-threaded. Replaced adapter. Underground Enclosure accumulates rainwater.	Aug-08
Level Agway Shed	Shed has sunk into the gravel parking lot after the winter. Relevelled shed.	Aug-08
Repair MPI-6S	Top cover on well would not tighten properly because the riser cap interfered with top cover bracket. Trimmed down hardware on the riser cap as needed.	Jun-08
Trim weeds around Shed	Weeds were growing tall around the perimeter of the shed. Weeds hold moisture and attract animals. Weeds were trimmed down.	Jul-08
Respond to Church Concern	Church Parking Lot - inspected hole in asphalt and determined it to be old sample boring. Filled hole with soil and then asphalt patch.	Jul-08
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
Level PW-6 Box	Asphalt around PW-6 Underground Enclosure had sunk, leaving this structure vulnerable to damage. Brought parking lot up to level with asphalt patch.	Jul-08
Level RW-1 Box	Asphalt around RW-1 Underground Enclosure had sunk, leaving this structure vulnerable to damage. Brought parking lot up to level with asphalt patch.	Jul-08
PW-5	Pump did not shut off even when water level was pumped down. Suspected bad transducer. Replaced transducer.	Sep-08
Patch hole in Library driveway	Librarian mentioned a 2' by 2' hole in the edge of their driveway near the PW-7 group. Met with Town of Aurora Building and Grounds Division. Town crew patched hole.	Aug-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
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
Improve Agway Shed Security	The AS / SVE pipes and hoses behind the shed are vulnerable to vandalism. In addition the 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

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

as of Nov 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: G2047
Sampled: November 6, 2008



A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

November 24, 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 #: G2047


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 : G2047

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
INFLUENT	G2047-01	SW8260_W			SM2340_W	SEE DATA
EFFLUENT	G2047-02	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 : G2047

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8260_W					
G2047-01A	AQ	11/6/2008	11/7/2008	NA	11/17/2008
G2047-02A	AQ	11/6/2008	11/7/2008	NA	11/17/2008

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 : G2047

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
SW8260_W					
G2047-01A	AQ	SW8260_W	NA	LOW	20
G2047-02A	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: G2047

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SM2340_W				
G2047-01C	AQ	SM2340_W	11/7/2008	11/19/2008
G2047-02C	AQ	SM2340_W	11/7/2008	11/19/2008

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

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

Mitkem Work Order ID: G2047

November 24, 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 November 7, 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.

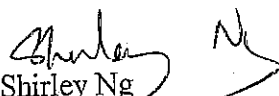
Sample analysis: due to high concentration of target analytes, sample INFLUENT was initially analyzed at 20X dilution. No other unusual observation was made for this analysis.

2. Wet Chemistry Analyses:

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
11/24/08

Client ID: ENE Case: HC Due: 11/26/08 Report Level: ASP-A
 Project: Mr. C's Dry Cleaning SDG: Fax Due: EDD: ENE
 Location: 002700.DC13.02.01.01 PO: 002700.DC13.02
 Comments: 1 ppb ICAL for VOA. Run Influent sample by 10 X dilution, low result in effluent expected. report thru LIMS.

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G2047-01A	INFLUENT	11/06/2008 13:00	11/07/2008	Aqueous	SW8260_W	OLM_VOA, 1 ppb ICAL	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VOA
G2047-01B	INFLUENT	11/06/2008 13:00	11/07/2008	Aqueous	SM4500_H+		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	E2
G2047-01C	INFLUENT	11/06/2008 13:30	11/07/2008	Aqueous	SM2340_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M2
G2047-02A	EFFLUENT	11/06/2008 13:00	11/07/2008	Aqueous	SW8260_W	OLM_VOA, 1 ppb ICAL	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VOA
G2047-02B	EFFLUENT	11/06/2008 13:00	11/07/2008	Aqueous	SM4500_H+		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	E2
G2047-02C	EFFLUENT	11/06/2008 13:30	11/07/2008	Aqueous	SM2340_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M2

CHAIN OF CUSTODY RECORD

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.

Page 1 of 1



A DIVISION OF SPECTRUM ANALYTICAL, INC. • FEATURING HANBAL TECHNOLOGY

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

Invoice To: E & E, Inc

Project No.: _____
 Site Name: Mr. C'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= _____

Analyses:
 P H
 Hardness
 VOC

QA Reporting Notes:
 (check if needed)
 Provide MA DEP MCP CAM Report
 Provide CT DEP RCP Report
 QA/QC Reporting Level
 Standard No QC
 Other _____
 State specific reporting standards: _____

Containers:	# of Amber Glass	# of Clear Glass	# of Plastic
			1
			1
			1
			1

Containers:	# of VOA Vials	Preservative	Matrix	Type	Time
			GW	G	1:00 P
			GW	G	1:00 P
	2		GW	G	1:30 P
			GW	G	1:00 P
			GW	G	1:00 P
	2		GW	G	1:30 P

Relinquished by: Richard C. Allen, Jr.
 Received by: _____
 Date: 11/16/08
 Time: 11:30

Lab Id:	Sample Id:	Date:	Time:
<u>62047</u>	<u>INFLUENT</u>	<u>Nov 6, 08</u>	<u>1:00 P</u>
<u>01</u>	<u>INFLUENT</u>		<u>1:00 P</u>
<u>01</u>	<u>INFLUENT</u>		<u>1:30 P</u>
<u>02</u>	<u>EFFLUENT</u>		<u>1:00 P</u>
<u>02</u>	<u>EFFLUENT</u>		<u>1:00 P</u>
<u>02</u>	<u>EFFLUENT</u>		<u>1:30 P</u>

Fax results when available to (716) 662-2118
 E-mail to msteffan@ene.com
 EDD Format PDF
 Condition upon receipt: Iced Ambient °C 6

MITKEM LABORATORIES
Sample Condition Form

Received By: <u>CAW</u>	Reviewed By: <u>[Signature]</u>	Date: <u>11/7/08</u>	MITKEM Workorder # <u>C22047</u>				
Client Project: <u>MRC</u>		Client: <u>C+E</u>			Soil Headspace or Air Bubbles ≥ 1/4"		
		Preservation (pH)					
	Lab Sample ID	HNO ₃	H ₂ SO ₄	HCl	NaOH	H ₃ PO ₄	VOA Matrix
1) Cooler Sealed	<u>(Yes)</u> No	<u>C22047 01</u>	<u><2</u>				<u>H</u>
		<u>C22047 02</u>	<u><2</u>				<u>H</u>
/							
2) Custody Seal(s)	<u>(Present)</u> / Absent <u>(Coolers)</u> / Bottles <u>(Intact)</u> / Broken						
3) Custody Seal Number(s)	<u>NA</u>						
/							
4) Chain-of-Custody	<u>(Present)</u> / Absent						
5) Cooler Temperature	<u>6°C</u>						
Coolant Condition	<u>Ice</u>						
6) Airbill(s)	<u>(Present)</u> / Absent						
Airbill Number(s)	<u>UPS</u> <u>12FR8725139051056</u>						
/							
7) Sample Bottles	<u>(Intact)</u> / Broken / Leaking						
8) Date Received	<u>11/7/08</u>						
9) Time Received	<u>11:30</u>						
Preservative Name/Lot No:							

Cashed
11-6-08

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

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.: MG2047
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2047-01A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1631.D
 Level: (TRACE/LOW/MED) LOW Date Received: 11/07/2008
 % Moisture: not dec. Date Analyzed: 11/17/2008
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0
 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		20	U
74-87-3	Chloromethane		20	U
75-01-4	Vinyl chloride		20	U
74-83-9	Bromomethane		20	U
75-00-3	Chloroethane		20	U
75-69-4	Trichlorofluoromethane		20	U
75-35-4	1,1-Dichloroethene		100	U
67-64-1	Acetone		20	U
75-15-0	Carbon disulfide		20	U
75-09-2	Methylene chloride		20	U
156-60-5	trans-1,2-Dichloroethene		21	
1634-04-4	Methyl tert-butyl ether		20	U
75-34-3	1,1-Dichloroethane		100	U
78-93-3	2-Butanone		32	
156-59-2	cis-1,2-Dichloroethene		20	U
67-66-3	Chloroform		20	U
71-55-6	1,1,1-Trichloroethane		20	U
56-23-5	Carbon tetrachloride		20	U
107-06-2	1,2-Dichloroethane		20	U
71-43-2	Benzene		92	
79-01-6	Trichloroethene		20	U
78-87-5	1,2-Dichloropropane		20	U
75-27-4	Bromodichloromethane		20	U
10061-01-5	cis-1,3-Dichloropropene		100	U
108-10-1	4-Methyl-2-pentanone		20	U
108-88-3	Toluene		20	U
10061-02-6	trans-1,3-Dichloropropene		20	U
79-00-5	1,1,2-Trichloroethane		2200	
127-18-4	Tetrachloroethene		100	U
591-78-6	2-Hexanone		20	U
124-48-1	Dibromochloromethane		20	U
106-93-4	1,2-Dibromoethane		20	U
108-90-7	Chlorobenzene		20	U
100-41-4	Ethylbenzene		20	U
1330-20-7	Xylene (Total)			

SW846

0000

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.: MG2047
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2047-01A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1631.D
 Level: (TRACE/LOW/MED) LOW Date Received: 11/07/2008
 % Moisture: not dec. Date Analyzed: 11/17/2008
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0
 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		20	U
75-25-2	Bromoform		20	U
98-82-8	Isopropylbenzene		20	U
79-34-5	1,1,2,2-Tetrachloroethane		20	U
541-73-1	1,3-Dichlorobenzene		20	U
106-46-7	1,4-Dichlorobenzene		20	U
95-50-1	1,2-Dichlorobenzene		20	U
96-12-8	1,2-Dibromo-3-chloropropane		20	U
120-82-1	1,2,4-Trichlorobenzene		20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		20	U
110-82-7	Cyclohexane		20	U
79-20-9	Methyl acetate		20	U
108-87-2	Methylcyclohexane		20	U

1J - FORM I VOA-TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

INFLUENT

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2047
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2047-01A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1631.D
 Level: (TRACE or LOW/MED) LOW Date Received: 11/07/2008
 % Moisture: not dec. Date Analyzed: 11/17/2008
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	Unknown-01	12.746	610	J
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

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.: MG2047
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2047-02A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1630.D
 Level: (TRACE/LOW/MED) LOW Date Received: 11/07/2008
 % Moisture: not dec. Date Analyzed: 11/17/2008
 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		5.0 U
67-64-1	Acetone		1.0 U
75-15-0	Carbon disulfide		1.0 U
75-09-2	Methylene chloride		1.0 U
156-60-5	trans-1,2-Dichloroethene		1.3
1634-04-4	Methyl tert-butyl ether		1.0 U
75-34-3	1,1-Dichloroethane		5.0 U
78-93-3	2-Butanone		1.0 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		5.0 U
108-10-1	4-Methyl-2-pentanone		1.0 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		2.5
127-18-4	Tetrachloroethene		5.0 U
591-78-6	2-Hexanone		1.0 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

SW846

0012

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.: MG2047
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2047-02A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1630.D
 Level: (TRACE/LOW/MED) LOW Date Received: 11/07/2008
 % Moisture: not dec. Date Analyzed: 11/17/2008
 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

1J - FORM I VOA-TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EFFLUENT

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2047
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2047-02A
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1630.D
 Level: (TRACE or LOW/MED) LOW Date Received: 11/07/2008
 % Moisture: not dec. Date Analyzed: 11/17/2008
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	Unknown-01	12.757	31	J
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.

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

CLIENT SAMPLE NO.

V1RLCS

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2047
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-40115
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1627.D
 Level: (TRACE/LOW/MED) LOW Date Received: _____
 % Moisture: not dec. Date Analyzed: 11/17/2008
 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		43	
74-87-3	Chloromethane		47	
75-01-4	Vinyl chloride		49	
74-83-9	Bromomethane		47	
75-00-3	Chloroethane		51	
75-69-4	Trichlorofluoromethane		51	
75-35-4	1,1-Dichloroethene		47	
67-64-1	Acetone		40	
75-15-0	Carbon disulfide		45	
75-09-2	Methylene chloride		48	
156-60-5	trans-1,2-Dichloroethene		47	
1634-04-4	Methyl tert-butyl ether		48	
75-34-3	1,1-Dichloroethane		48	
78-93-3	2-Butanone		45	
156-59-2	cis-1,2-Dichloroethene		47	
67-66-3	Chloroform		47	
71-55-6	1,1,1-Trichloroethane		50	
56-23-5	Carbon tetrachloride		48	
107-06-2	1,2-Dichloroethane		42	
71-43-2	Benzene		47	
79-01-6	Trichloroethene		46	
78-87-5	1,2-Dichloropropane		47	
75-27-4	Bromodichloromethane		49	
10061-01-5	cis-1,3-Dichloropropene		49	
108-10-1	4-Methyl-2-pentanone		47	
108-88-3	Toluene		47	
10061-02-6	trans-1,3-Dichloropropene		49	
79-00-5	1,1,2-Trichloroethane		48	
127-18-4	Tetrachloroethene		46	
591-78-6	2-Hexanone		46	
124-48-1	Dibromochloromethane		48	
106-93-4	1,2-Dibromoethane		48	
108-90-7	Chlorobenzene		47	
100-41-4	Ethylbenzene		46	
1330-20-7	Xylene (Total)		140	

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0015

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

CLIENT SAMPLE NO.

V1RLCS

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2047
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-40115
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1627.D
 Level: (TRACE/LOW/MED) LOW Date Received: _____
 % Moisture: not dec. Date Analyzed: 11/17/2008
 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		48	
75-25-2	Bromoform		51	
98-82-8	Isopropylbenzene		47	
79-34-5	1,1,2,2-Tetrachloroethane		47	
541-73-1	1,3-Dichlorobenzene		43	
106-46-7	1,4-Dichlorobenzene		44	
95-50-1	1,2-Dichlorobenzene		44	
96-12-8	1,2-Dibromo-3-chloropropane		51	
120-82-1	1,2,4-Trichlorobenzene		41	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		46	
110-82-7	Cyclohexane		47	
79-20-9	Methyl acetate		46	
108-87-2	Methylcyclohexane		47	

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

CLIENT SAMPLE NO.

VIRLCSD

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2047
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-40115
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: VIK1628.D
 Level: (TRACE/LOW/MED) LOW Date Received: _____
 % Moisture: not dec. Date Analyzed: 11/17/2008
 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		46	
74-87-3	Chloromethane		51	
75-01-4	Vinyl chloride		54	
74-83-9	Bromomethane		53	
75-00-3	Chloroethane		55	
75-69-4	Trichlorofluoromethane		56	
75-35-4	1,1-Dichloroethene		55	
67-64-1	Acetone		47	
75-15-0	Carbon disulfide		47	
75-09-2	Methylene chloride		50	
156-60-5	trans-1,2-Dichloroethene		50	
1634-04-4	Methyl tert-butyl ether		54	
75-34-3	1,1-Dichloroethane		52	
78-93-3	2-Butanone		55	
156-59-2	cis-1,2-Dichloroethene		51	
67-66-3	Chloroform		51	
71-55-6	1,1,1-Trichloroethane		52	
56-23-5	Carbon tetrachloride		54	
107-06-2	1,2-Dichloroethane		46	
71-43-2	Benzene		51	
79-01-6	Trichloroethene		51	
78-87-5	1,2-Dichloropropane		51	
75-27-4	Bromodichloromethane		53	
10061-01-5	cis-1,3-Dichloropropene		52	
108-10-1	4-Methyl-2-pentanone		55	
108-88-3	Toluene		52	
10061-02-6	trans-1,3-Dichloropropene		54	
79-00-5	1,1,2-Trichloroethane		53	
127-18-4	Tetrachloroethene		50	
591-78-6	2-Hexanone		51	
124-48-1	Dibromochloromethane		53	
106-93-4	1,2-Dibromoethane		55	
108-90-7	Chlorobenzene		50	
100-41-4	Ethylbenzene		51	
1330-20-7	Xylene (Total)		150	

SW846

0017

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

CLIENT SAMPLE NO.

V1RLCSD

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2047
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-40115
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1628.D
 Level: (TRACE/LOW/MED) LOW Date Received: _____
 % Moisture: not dec. Date Analyzed: 11/17/2008
 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		51	
79-34-5	1,1,2,2-Tetrachloroethane		52	
541-73-1	1,3-Dichlorobenzene		48	
106-46-7	1,4-Dichlorobenzene		49	
95-50-1	1,2-Dichlorobenzene		49	
96-12-8	1,2-Dibromo-3-chloropropane		58	
120-82-1	1,2,4-Trichlorobenzene		49	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		51	
110-82-7	Cyclohexane		49	
79-20-9	Methyl acetate		54	
108-87-2	Methylcyclohexane		51	

WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES

Contract: _____

Lab Code: MITKEM

Case No.: _____

Mod. Ref No.: _____

SDG No.: MG2047

Level: (TRACE or LOW) LOW

	CLIENT SAMPLE NO.	VDMC1 (DBFM) #	VDMC2 (DCE) #	VDMC3 (TOL) #	VDMC4 (BFB) #				TOT OUT
01	VBLK1R	100	95	102	100				0
02	V1RLCS	100	97	101	100				0
03	V1RLCSD	100	98	101	101				0
04	EFFLUENT	100	99	101	99				0
05	INFLUENT	101	99	100	99				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.

VIRLCS

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2047
 Lab Sample ID: LCS-40115 LCS Lot No.: _____
 Date Extracted: 11/17/2008 Date Analyzed (1): 11/17/2008

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Dichlorodifluoromethane	50.0000	0.0000	43.2081	86		30 - 155
Chloromethane	50.0000	0.0000	46.6772	93		40 - 125
Vinyl chloride	50.0000	0.0000	49.2838	99		50 - 145
Bromomethane	50.0000	0.0000	47.3482	95		30 - 145
Chloroethane	50.0000	0.0000	50.7477	101		60 - 135
Trichlorofluoromethane	50.0000	0.0000	51.0562	102		60 - 145
1,1-Dichloroethene	50.0000	0.0000	46.7720	94		70 - 130
Acetone	50.0000	0.0000	39.6787	79		40 - 140
Iodomethane	50.0000	0.0000	50.0476	100		72 - 121
Carbon disulfide	50.0000	0.0000	44.7167	89		35 - 160
Methylene chloride	50.0000	0.0000	47.5800	95		55 - 140
trans-1,2-Dichloroethene	50.0000	0.0000	46.7814	94		60 - 140
Methyl tert-butyl ether	50.0000	0.0000	47.7496	95		65 - 125
1,1-Dichloroethane	50.0000	0.0000	47.7354	95		70 - 135
Vinyl acetate	50.0000	0.0000	48.0149	96		38 - 163
2-Butanone	50.0000	0.0000	45.4873	91		30 - 150
cis-1,2-Dichloroethene	50.0000	0.0000	46.6016	93		70 - 125
2,2-Dichloropropane	50.0000	0.0000	45.3725	91		70 - 135
Bromochloromethane	50.0000	0.0000	47.4928	95		65 - 130
Chloroform	50.0000	0.0000	47.2900	95		65 - 135
1,1,1-Trichloroethane	50.0000	0.0000	50.3364	101		65 - 130
1,1-Dichloropropene	50.0000	0.0000	46.2643	93		75 - 130
Carbon tetrachloride	50.0000	0.0000	48.0461	96		65 - 140
1,2-Dichloroethane	50.0000	0.0000	41.6036	83		70 - 130
Benzene	50.0000	0.0000	46.5526	93		80 - 120
Trichloroethene	50.0000	0.0000	46.0291	92		70 - 125
1,2-Dichloropropane	50.0000	0.0000	47.3742	95		75 - 125
Dibromomethane	50.0000	0.0000	49.3053	99		75 - 125
Bromodichloromethane	50.0000	0.0000	48.9869	98		75 - 120
cis-1,3-Dichloropropene	50.0000	0.0000	48.7552	98		70 - 130
4-Methyl-2-pentanone	50.0000	0.0000	47.1775	94		60 - 135
Toluene	50.0000	0.0000	47.3166	95		75 - 120
trans-1,3-Dichloropropene	50.0000	0.0000	48.7166	97		55 - 140
1,1,2-Trichloroethane	50.0000	0.0000	47.6599	95		75 - 125
1,3-Dichloropropane	50.0000	0.0000	47.8339	96		75 - 125
Tetrachloroethene	50.0000	0.0000	45.6987	91		45 - 150
2-Hexanone	50.0000	0.0000	45.9957	92		55 - 130
Dibromochloromethane	50.0000	0.0000	48.3699	97		60 - 135
1,2-Dibromoethane	50.0000	0.0000	48.1208	96		80 - 120
Chlorobenzene	50.0000	0.0000	46.5844	93		80 - 120
1,1,1,2-Tetrachloroethane	50.0000	0.0000	48.1403	96		80 - 130
Ethylbenzene	50.0000	0.0000	45.9270	92		75 - 125
m,p-Xylene	100.0000	0.0000	93.2299	93		75 - 130
o-Xylene	50.0000	0.0000	46.5868	93		80 - 120

SW846

0020

3 - FORM III
 WATER LABORATORY CONTROL
 SAMPLE RECOVERY

CLIENT SAMPLE NO.

V1RLCS

Lab Name: MITKEM LABORATORIES

Contract:

Lab Code: MITKEM Case No.:

Mod. Ref No.:

SDG No.: MG2047

Lab Sample ID: LCS-40115

LCS Lot No.:

Date Extracted: 11/17/2008

Date Analyzed (1): 11/17/2008

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Xylene (Total)	150.0000	0.0000	139.8166	93		81 - 121
Styrene	50.0000	0.0000	48.2135	96		65 - 135
Bromoform	50.0000	0.0000	50.8817	102		70 - 130
Isopropylbenzene	50.0000	0.0000	47.2562	95		75 - 125
1,1,2,2-Tetrachloroethane	50.0000	0.0000	46.8660	94		65 - 130
Bromobenzene	50.0000	0.0000	45.4971	91		75 - 125
1,2,3-Trichloropropane	50.0000	0.0000	45.9806	92		75 - 125
n-Propylbenzene	50.0000	0.0000	45.3801	91		70 - 130
2-Chlorotoluene	50.0000	0.0000	45.4435	91		75 - 125
1,3,5-Trimethylbenzene	50.0000	0.0000	45.2148	90		75 - 130
4-Chlorotoluene	50.0000	0.0000	45.3118	91		75 - 130
tert-Butylbenzene	50.0000	0.0000	46.2809	93		70 - 130
1,2,4-Trimethylbenzene	50.0000	0.0000	45.8823	92		75 - 130
sec-Butylbenzene	50.0000	0.0000	45.3978	91		70 - 125
4-Isopropyltoluene	50.0000	0.0000	45.5092	91		75 - 130
1,3-Dichlorobenzene	50.0000	0.0000	43.4403	87		75 - 125
1,4-Dichlorobenzene	50.0000	0.0000	43.5232	87		75 - 125
n-Butylbenzene	50.0000	0.0000	44.7330	89		70 - 135
1,2-Dichlorobenzene	50.0000	0.0000	43.5503	87		70 - 120
1,2-Dibromo-3-chloropropan	50.0000	0.0000	43.5503	87		70 - 120
1,2,4-Trichlorobenzene	50.0000	0.0000	50.6722	101		50 - 130
Hexachlorobutadiene	50.0000	0.0000	41.4495	83		65 - 135
1,2,3-Trichlorobenzene	50.0000	0.0000	41.0666	82		50 - 140
Naphthalene	50.0000	0.0000	41.0666	82		50 - 140
1,1,2-Trichloro-1,2,2-trif	50.0000	0.0000	35.4860	71		55 - 140
Cyclohexane	50.0000	0.0000	36.4383	73		55 - 140
Methyl acetate	50.0000	0.0000	46.0947	92		70 - 130
Methylcyclohexane	50.0000	0.0000	46.6314	93		70 - 130
	50.0000	0.0000	45.7590	92		70 - 130
	50.0000	0.0000	47.1028	94		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 72 outside limits

COMMENTS:

3 - FORM III
 WATER LABORATORY CONTROL
 SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.

VIRLCS

Lab Name: MITKEM LABORATORIES

Contract:

Lab Code: MITKEM Case No.:

Mod. Ref No.:

SDG No.: MG2047

Lab Sample ID: LCSD-40115

LCS Lot No.:

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC	#	%RPD #	QC LIMITS	
						RPD	REC.
Dichlorodifluoromethane	50.0000	46.2740	93		8	40	30 - 155
Chloromethane	50.0000	51.1827	102		9	40	40 - 125
Vinyl chloride	50.0000	53.5631	107		8	40	50 - 145
Bromomethane	50.0000	52.6008	105		10	40	30 - 145
Chloroethane	50.0000	55.0808	110		9	40	60 - 135
Trichlorofluoromethane	50.0000	56.0745	112		9	40	60 - 145
1,1-Dichloroethene	50.0000	55.2597	111		17	40	70 - 130
Acetone	50.0000	46.5108	93		16	40	40 - 140
Iodomethane	50.0000	54.2496	108		8	40	72 - 121
Carbon disulfide	50.0000	47.2960	95		7	40	35 - 160
Methylene chloride	50.0000	49.8925	100		5	40	55 - 140
trans-1,2-Dichloroethene	50.0000	50.4631	101		7	40	60 - 140
Methyl tert-butyl ether	50.0000	53.6375	107		12	40	65 - 125
1,1-Dichloroethane	50.0000	51.8664	104		9	40	70 - 135
Vinyl acetate	50.0000	53.9723	108		12	40	38 - 163
2-Butanone	50.0000	54.9947	110		19	40	30 - 150
cis-1,2-Dichloroethene	50.0000	50.8197	102		9	40	70 - 125
2,2-Dichloropropane	50.0000	48.8397	98		7	40	70 - 135
Bromochloromethane	50.0000	51.2017	102		7	40	65 - 130
Chloroform	50.0000	51.6163	103		8	40	65 - 135
1,1,1-Trichloroethane	50.0000	53.7900	108		7	40	65 - 130
1,1-Dichloropropene	50.0000	49.1113	98		5	40	75 - 130
Carbon tetrachloride	50.0000	53.2764	107		11	40	65 - 140
1,2-Dichloroethane	50.0000	45.8421	92		10	40	70 - 130
Benzene	50.0000	50.7047	101		8	40	80 - 120
Trichloroethene	50.0000	50.7117	101		9	40	70 - 125
1,2-Dichloropropane	50.0000	51.3895	103		8	40	75 - 125
Dibromomethane	50.0000	55.9880	112		12	40	75 - 125
Bromodichloromethane	50.0000	53.2998	107		9	40	75 - 120
cis-1,3-Dichloropropene	50.0000	52.4562	105		7	40	70 - 130
4-Methyl-2-pentanone	50.0000	55.0615	110		16	40	60 - 135
Toluene	50.0000	51.5800	103		8	40	75 - 120
trans-1,3-Dichloropropene	50.0000	54.1245	108		11	40	55 - 140
1,1,2-Trichloroethane	50.0000	52.8988	106		11	40	75 - 125
1,3-Dichloropropane	50.0000	53.2694	107		11	40	75 - 125
Tetrachloroethene	50.0000	49.5149	99		8	40	45 - 150
2-Hexanone	50.0000	51.4471	103		11	40	55 - 130
Dibromochloromethane	50.0000	53.4352	107		10	40	60 - 135
1,2-Dibromoethane	50.0000	55.3937	111		14	40	80 - 120
Chlorobenzene	50.0000	50.1257	100		7	40	80 - 120
1,1,1,2-Tetrachloroethane	50.0000	53.3507	107		11	40	80 - 130
Ethylbenzene	50.0000	51.3165	103		11	40	75 - 125
m,p-Xylene	100.0000	101.2517	101		8	40	75 - 130
o-Xylene	50.0000	50.3776	101		8	40	80 - 120
Xylene (Total)	150.0000	151.6293	101		8	40	81 - 121
Styrene	50.0000	52.0820	104		8	40	65 - 135

SW846

0022

3 - FORM III
 WATER LABORATORY CONTROL
 SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.

V1RLCSD

Lab Name: MITKEM LABORATORIES

Contract:

Lab Code: MITKEM

Case No.:

Mod. Ref No.:

SDG No.: MG2047

Lab Sample ID: LCSD-40115

LCS Lot No.:

COMPOUND	SPIKE ADDED	LCS D CONCENTRATION	LCS D %REC	#	%RPD	#	QC LIMITS	
							RPD	REC.
Bromoform	50.0000	56.6661	113		10		40	70 - 130
Isopropylbenzene	50.0000	51.4615	103		8		40	75 - 125
1,1,2,2-Tetrachloroethane	50.0000	51.8547	104		10		40	65 - 130
Bromobenzene	50.0000	49.0871	98		7		40	75 - 125
1,2,3-Trichloropropane	50.0000	54.5018	109		17		40	75 - 125
n-Propylbenzene	50.0000	50.4106	101		10		40	70 - 130
2-Chlorotoluene	50.0000	50.0663	100		9		40	75 - 125
1,3,5-Trimethylbenzene	50.0000	50.2563	101		12		40	75 - 130
4-Chlorotoluene	50.0000	50.5183	101		10		40	75 - 130
tert-Butylbenzene	50.0000	51.3143	103		10		40	70 - 130
1,2,4-Trimethylbenzene	50.0000	50.4516	101		9		40	75 - 130
sec-Butylbenzene	50.0000	49.5847	99		8		40	70 - 125
4-Isopropyltoluene	50.0000	51.1550	102		11		40	75 - 130
1,3-Dichlorobenzene	50.0000	48.0130	96		10		40	75 - 125
1,4-Dichlorobenzene	50.0000	49.0916	98		12		40	75 - 125
n-Butylbenzene	50.0000	50.5117	101		13		40	70 - 135
1,2-Dichlorobenzene	50.0000	48.8522	98		12		40	70 - 120
1,2-Dibromo-3-chloropropan	50.0000	58.4131	117		15		40	50 - 130
1,2,4-Trichlorobenzene	50.0000	48.9225	98		17		40	65 - 135
Hexachlorobutadiene	50.0000	47.1891	94		14		40	50 - 140
1,2,3-Trichlorobenzene	50.0000	46.7560	94		28		40	55 - 140
Naphthalene	50.0000	47.7587	96		27		40	55 - 140
1,1,2-Trichloro-1,2,2-trif	50.0000	50.5555	101		9		40	70 - 130
Cyclohexane	50.0000	49.4384	99		6		40	70 - 130
Methyl acetate	50.0000	54.1072	108		16		40	70 - 130
Methylcyclohexane	50.0000	51.0539	102		8		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 72 outside limits

Spike Recovery: 0 out of 72 outside limits

COMMENTS:

3 - FORM III
 WATER LABORATORY CONTROL
 SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.

V1RLCSD

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2047
 Lab Sample ID: LCSD-40115 LCS Lot No.: _____

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC #	%RPD #	QC LIMITS	
					RPD	REC.
Dichlorodifluoromethane	50.0000	46.2740	93	8	40	30 - 155
Chloromethane	50.0000	51.1827	102	9	40	40 - 125
Vinyl chloride	50.0000	53.5631	107	8	40	50 - 145
Bromomethane	50.0000	52.6008	105	10	40	30 - 145
Chloroethane	50.0000	55.0808	110	9	40	60 - 135
Trichlorofluoromethane	50.0000	56.0745	112	9	40	60 - 145
1,1-Dichloroethene	50.0000	55.2597	111	17	40	70 - 130
Acetone	50.0000	46.5108	93	16	40	40 - 140
Iodomethane	50.0000	54.2496	108	8	40	72 - 121
Carbon disulfide	50.0000	47.2960	95	7	40	35 - 160
Methylene chloride	50.0000	49.8925	100	5	40	55 - 140
trans-1,2-Dichloroethene	50.0000	50.4631	101	7	40	60 - 140
Methyl tert-butyl ether	50.0000	53.6375	107	12	40	65 - 125
1,1-Dichloroethane	50.0000	51.8664	104	9	40	70 - 135
Vinyl acetate	50.0000	53.9723	108	12	40	38 - 163
2-Butanone	50.0000	54.9947	110	19	40	30 - 150
cis-1,2-Dichloroethene	50.0000	50.8197	102	9	40	70 - 125
2,2-Dichloropropane	50.0000	48.8397	98	7	40	70 - 135
Bromochloromethane	50.0000	51.2017	102	7	40	65 - 130
Chloroform	50.0000	51.6163	103	8	40	65 - 135
1,1,1-Trichloroethane	50.0000	53.7900	108	7	40	65 - 130
1,1-Dichloropropene	50.0000	49.1113	98	5	40	75 - 130
Carbon tetrachloride	50.0000	53.2764	107	11	40	65 - 140
1,2-Dichloroethane	50.0000	45.8421	92	10	40	70 - 130
Benzene	50.0000	50.7047	101	8	40	80 - 120
Trichloroethene	50.0000	50.7117	101	9	40	70 - 125
1,2-Dichloropropane	50.0000	51.3895	103	8	40	75 - 125
Dibromomethane	50.0000	55.9880	112	12	40	75 - 125
Bromodichloromethane	50.0000	53.2998	107	9	40	75 - 120
cis-1,3-Dichloropropene	50.0000	52.4562	105	7	40	70 - 130
4-Methyl-2-pentanone	50.0000	55.0615	110	16	40	60 - 135
Toluene	50.0000	51.5800	103	8	40	75 - 120
trans-1,3-Dichloropropene	50.0000	54.1245	108	11	40	55 - 140
1,1,2-Trichloroethane	50.0000	52.8988	106	11	40	75 - 125
1,3-Dichloropropane	50.0000	53.2694	107	11	40	75 - 125
Tetrachloroethene	50.0000	49.5149	99	8	40	45 - 150
2-Hexanone	50.0000	51.4471	103	11	40	55 - 130
Dibromochloromethane	50.0000	53.4352	107	10	40	60 - 135
1,2-Dibromoethane	50.0000	55.3937	111	14	40	80 - 120
Chlorobenzene	50.0000	50.1257	100	7	40	80 - 120
1,1,1,2-Tetrachloroethane	50.0000	53.3507	107	11	40	80 - 130
Ethylbenzene	50.0000	51.3165	103	11	40	75 - 125
m,p-Xylene	100.0000	101.2517	101	8	40	75 - 130
o-Xylene	50.0000	50.3776	101	8	40	80 - 120
Xylene (Total)	150.0000	151.6293	101	8	40	81 - 121
Styrene	50.0000	52.0820	104	8	40	65 - 135

SW846

0024

3 - FORM III
 WATER LABORATORY CONTROL
 SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.

VIRLCS D

Lab Name: MITKEM LABORATORIES

Contract:

Lab Code: MITKEM Case No.:

Mod. Ref No.:

SDG No.: MG2047

Lab Sample ID: LCSD-40115

LCS Lot No.:

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC	#	%RPD #	QC LIMITS	
						RPD	REC.
Bromoform	50.0000	56.6661	113		10	40	70 - 130
Isopropylbenzene	50.0000	51.4615	103		8	40	75 - 125
1,1,2,2-Tetrachloroethane	50.0000	51.8547	104		10	40	65 - 130
Bromobenzene	50.0000	49.0871	98		7	40	75 - 125
1,2,3-Trichloropropane	50.0000	54.5018	109		17	40	75 - 125
n-Propylbenzene	50.0000	50.4106	101		10	40	70 - 130
2-Chlorotoluene	50.0000	50.0663	100		9	40	75 - 125
1,3,5-Trimethylbenzene	50.0000	50.2563	101		12	40	75 - 130
4-Chlorotoluene	50.0000	50.5183	101		10	40	75 - 130
tert-Butylbenzene	50.0000	51.3143	103		10	40	70 - 130
1,2,4-Trimethylbenzene	50.0000	50.4516	101		9	40	75 - 130
sec-Butylbenzene	50.0000	49.5847	99		8	40	70 - 125
4-Isopropyltoluene	50.0000	51.1550	102		11	40	75 - 130
1,3-Dichlorobenzene	50.0000	48.0130	96		10	40	75 - 125
1,4-Dichlorobenzene	50.0000	49.0916	98		12	40	75 - 125
n-Butylbenzene	50.0000	50.5117	101		13	40	70 - 135
1,2-Dichlorobenzene	50.0000	48.8522	98		12	40	70 - 120
1,2-Dibromo-3-chloropropan	50.0000	58.4131	117		15	40	50 - 130
1,2,4-Trichlorobenzene	50.0000	48.9225	98		17	40	65 - 135
Hexachlorobutadiene	50.0000	47.1891	94		14	40	50 - 140
1,2,3-Trichlorobenzene	50.0000	46.7560	94		28	40	55 - 140
Naphthalene	50.0000	47.7587	96		27	40	55 - 140
1,1,2-Trichloro-1,2,2-trif	50.0000	50.5555	101		9	40	70 - 130
Cyclohexane	50.0000	49.4384	99		6	40	70 - 130
Methyl acetate	50.0000	54.1072	108		16	40	70 - 130
Methylcyclohexane	50.0000	51.0539	102		8	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 72 outside limits

Spike Recovery: 0 out of 72 outside limits

COMMENTS:

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBLK1R

Lab Name: MITKEM LABORATORIES Contract: _____
Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2047
Lab File ID: V1K1626.D Lab Sample ID: MB-40115
Instrument ID: V1
Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 11/17/2008
Level: (TRACE or LOW/MED) LOW Time Analyzed: 16:55
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	V1RLCS	LCS-40115	V1K1627.D	17:24
02	V1RLCSD	LCSD-40115	V1K1628.D	17:53
03	EFFLUENT	G2047-02A	V1K1630.D	18:51
04	INFLUENT	G2047-01A	V1K1631.D	19:20

COMMENTS: _____

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

CLIENT SAMPLE NO.

VBLK1R

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2047
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-40115
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1626.D
 Level: (TRACE/LOW/MED) LOW Date Received: _____
 % Moisture: not dec. Date Analyzed: 11/17/2008
 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		5.0	U
74-87-3	Chloromethane		5.0	U
75-01-4	Vinyl chloride		5.0	U
74-83-9	Bromomethane		5.0	U
75-00-3	Chloroethane		5.0	U
75-69-4	Trichlorofluoromethane		5.0	U
75-35-4	1,1-Dichloroethene		5.0	U
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide		5.0	U
75-09-2	Methylene chloride		5.0	U
156-60-5	trans-1,2-Dichloroethene		5.0	U
1634-04-4	Methyl tert-butyl ether		5.0	U
75-34-3	1,1-Dichloroethane		5.0	U
78-93-3	2-Butanone		5.0	U
156-59-2	cis-1,2-Dichloroethene		5.0	U
67-66-3	Chloroform		5.0	U
71-55-6	1,1,1-Trichloroethane		5.0	U
56-23-5	Carbon tetrachloride		5.0	U
107-06-2	1,2-Dichloroethane		5.0	U
71-43-2	Benzene		5.0	U
79-01-6	Trichloroethene		5.0	U
78-87-5	1,2-Dichloropropane		5.0	U
75-27-4	Bromodichloromethane		5.0	U
10061-01-5	cis-1,3-Dichloropropene		5.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		5.0	U
10061-02-6	trans-1,3-Dichloropropene		5.0	U
79-00-5	1,1,2-Trichloroethane		5.0	U
127-18-4	Tetrachloroethene		5.0	U
591-78-6	2-Hexanone		5.0	U
124-48-1	Dibromochloromethane		5.0	U
106-93-4	1,2-Dibromoethane		5.0	U
108-90-7	Chlorobenzene		5.0	U
100-41-4	Ethylbenzene		5.0	U
1330-20-7	Xylene (Total)		5.0	U

SW846

0027

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

CLIENT SAMPLE NO.

VBLK1R

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2047
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-40115
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1626.D
 Level: (TRACE/LOW/MED) LOW Date Received: _____
 % Moisture: not dec. Date Analyzed: 11/17/2008
 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
			5.0
100-42-5	Styrene		U
75-25-2	Bromoform		U
98-82-8	Isopropylbenzene		U
79-34-5	1,1,2,2-Tetrachloroethane		U
541-73-1	1,3-Dichlorobenzene		U
106-46-7	1,4-Dichlorobenzene		U
95-50-1	1,2-Dichlorobenzene		U
96-12-8	1,2-Dibromo-3-chloropropane		U
120-82-1	1,2,4-Trichlorobenzene		U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		U
110-82-7	Cyclohexane		U
79-20-9	Methyl acetate		U
108-87-2	Methylcyclohexane		U

1J - FORM I VOA-TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLK1R

Lab Name: MITKEM LABORATORIES Contract: _____
 Lab Code: MITKEM Case No.: _____ Mod. Ref No.: _____ SDG No.: MG2047
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-40115
 Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V1K1626.D
 Level: (TRACE or LOW/MED) LOW Date Received: _____
 % Moisture: not dec. Date Analyzed: 11/17/2008
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	Unknown-01	12.757	34	J
E966796 ¹	Total Alkanes	N/A		

¹EPA-designated Registry Number.



* Wet Chemistry *

Mitkem Laboratories

Date: 24-Nov-08

Client: Ecology and Environment Engineering, P.C.
Client Sample ID: INFLUENT
Lab ID: G2047-01

Project: Mr. C's Dry Cleaning
Collection Date: 11/06/08 13:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2340 -- HARDNESS by Calculation							SM2340_W
Hardness, Ca/Mg (As CaCO3)	540		4.0	mg/L CaCO3	1	11/19/2008 12:34	40174
SM 4500 pH -- pH VALUE							SM4500_H+
pH	7.0		1.0	S.U.	1	11/07/2008 12:00	R33921

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

Mitekem Laboratories

Date: 24-Nov-08

Client: Ecology and Environment Engineering, P.C.
Client Sample ID: EFFLUENT
Lab ID: G2047-02

Project: Mr. C's Dry Cleaning
Collection Date: 11/06/08 13:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2340 -- HARDNESS by Calculation							SM2340_W
Hardness, Ca/Mg (As CaCO3)	570		4.0	mg/L CaCO3		11/19/2008 12:37	40174
SM 4500 pH -- pH VALUE							SM4500_H+
pH	8.1		1.0	S.U.		11/07/2008 12:00	R33921

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: G2047
Project: Mr. C's Dry Cleaning

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

Sample ID: MB-40174 SampType: MBLK TestCode: SM2340_W
Client ID: MB-40174 Batch ID: 40174 Units: mg/L CaCO3

Prep Date: 11/18/2008 Run ID: OPTIMA2_081119C
Analysis Date: 11/19/2008 SeqNo: 933277

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Hardness, Ca/Mg (As CaCO3) ND 4.0

0033

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

Last Page of Data Report

Attachment C

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

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

Monthly Treatment System Operational Time by O&M Services		Electric	Budget Remaining:	Electric:	\$8,406.95	ATTACHMENT C
Month	Possible OP Hours	Actual OP Hours	Up-Time Percent	Percent Capacity*	General Operation Comments	
September-03	96	96	100.00%	58%	Shutdown by Iyree after Separable Part B inspection	\$83.28
October-03	168	168	100.00%	6%	Official Startup by O&M Enterprises on 10/22/03	
November-03	720	720	100.00%	5%		
December-03	744	744	100.00%	28%		
January-04	672	672	100.00%	16%		
February-04	696	696	100.00%	21%		
March-04	816	815	99.88%	51%		
April-04	672	670	99.70%	50%		
May-04	696	513	73.71%	43%	Equipment shutdown- low flow of water to air stripper - 5/17-24/04	
June-04	696	692	99.43%	30%	Individual pumps shutdown for inspection and cleaning	
July-04	840	840	100.00%	47%	100% operational	
August-04	672	672	100.00%	42%	100% operational	
September-04	840	820	97.62%	31%	Temporary Stripper Shutdown	
October-04	672	607	90.33%	33%	65 hour weekend shutdown due to low pressure problems with the airstripper	
November-04	696	641.5	92.17%	37%		
December-04	816	792	97.06%	42%	GAC units removed from treatment system operations	
January-05	840	840	100.00%	46%	GAC units removed from project site 1/14/05	
February-05	672	660	98.21%	41%	Unit cleaned February 4, 2005	
March-05	840	828	98.57%	33%	Unit shut down for additional cleaning and sequestering agent review.	
April-05	696	609	87.50%	58%	Unit cleaned April 8, 2005. Back in service until new sequestering agent approved and installed.	
May-05	840	768	91.43%	36%	Unit re-cleaned and new water treatment chemical started operations on 5/19/05	
June-05	744	644	86.56%	30%	Extremely dry month of June.	
July-05	624	605.5	97.04%	44%	Extremely dry month of July.	
August-05	696	696	100.00%	44%	Extremely dry month of August.	
September-05	864	864	100.00%	40%	Extremely dry month of September.	
October-05	672	672	100.00%	39%	Extremely dry month of October.	
November-05	672	659	98.07%	34%	Power outage occurred November 6, 2005	
December-05	864	854	98.84%	29.6%	Air Stripper cleaning occurred on 12/27/05	
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%	Dry month, 5 hours for cleaning the stripper	
May-06	696	689	98.99%	32.3%	Dry month, 5 hours for cleaning the stripper	
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%	Stripper cleaning performed	
October-06	628	609	96.91%	27.0%	power outage from severe winter storm. 10/12-10/14	
November-06	672	672	100.00%	28.7%		
December-06	720	706	98.06%	28.6%		
Totals to Date	28132	27394	97.38%			

