DNAPL REMOVAL STATUS REPORT
AUGUST 17, 2012 THROUGH JANUARY 10, 2013

ANDERSON CLEANERS
JAMESTOWN, NEW YORK
BCP SITE #C907027

Prepared For: Anderson Cleaners
5 Hunt Road
Jamestown, New York

Prepared By: Day Environmental, Inc.
1563 Lyell Avenue
Rochester, New York 14606

Project No.: 3563S-04

Date: February 14, 2013

LOCATION: Anderson Cleaners
5 Hunt Road
Jamestown, New York
BCP Site #C907027

REPORT PERIOD: August 17, 2012 through January 10, 2013

BACKGROUND: Day Environmental, Inc. (DAY), on behalf of Anderson Cleaners, prepared a document titled *Draft Remedial Action Work Plan, Anderson Cleaners, 5 Hunt Road, Jamestown, New York NYSDEC Brownfield Cleanup Program Site #C907027* dated August 2012 (the Work Plan). Section 2.0 of this document described the installation and operation of a dense non-aqueous phase liquid (DNAPL) removal system proposed for the Anderson Cleaners site (the Site). The New York State Department of Environmental Conservation (NYSDEC) approved the installation of the DNAPL removal system in a letter dated June 27, 2012. The dense non-aqueous phase liquid (DNAPL) removal system was installed at the Anderson Cleaners facility in June and July 2012, in accordance with the provisions outlined in the Work Plan, and the system began operation on August 17, 2012. A plan showing the components of the DNAPL removal system is included as Figure 1, and the location of the extraction wells included in the DNAPL removal system are presented on Figure 2. As shown on Figure 1 and Figure 2, the DNAPL removal system consists of four extraction wells (up to three of which are operated at one time). These extraction wells include existing monitoring wells PW-3, MW-207, and two "new" wells designated EW-1 and EW-2. Copies of the test boring/installation logs for these wells are included in Attachment A.

PUMPING RATES: The system operated continuously throughout the report period with one to three pumps activated at any one time. [Note: During the initial operation of the system (i.e., August 17, 2012 through November 13, 2012), the pumps were installed within wells PW-3, MW-207 and EW-2. Between November 13, 2012 and the end of the report period, the pump in MW-207 was moved between this well and EW-1.

The pumping rates remained relatively consistent throughout the report period typically ranging from 0.3 gallons per minute (gpm) to 0.5 gpm depending on the number of pumps operating.

DNAPL REMOVAL/DISPOSAL: Prior to the installation of the DNAPL removal system, DNAPL was removed from monitoring wells MW-207 and PW-3 using a portable vacuum purge system. On September 25, 2008, Solvents & Petroleum Services, Inc. removed 55 gallons of DNAPL that was collected from these locations for off-site disposal. On November 30, 2012, Solvents & Petroleum Services, Inc. removed 39 gallons of DNAPL collected by the DNAPL removal system for off-site disposal. Copies of the completed waste manifest forms for the DNAPL removed/disposed are included in Attachment B.

The DNAPL removal system operated throughout the report period, but the quantity of DNAPL removed per unit of time decreased. During the initial two months of operation DNAPL was removed at an approximate rate of 78 ounces per day. The rate of DNAPL removed during the next month (i.e., between October 15, 2012 and November 15, 2012) decreased to approximately 22 ounces per day. For the remainder of the report period (i.e., between about November 15, 2012 and January 10, 2013) the DNAPL removal rate decreased to about 3 ounces per day. It is not clear if the decreasing quantity of DNAPL is related to seasonal conditions, the pumping rates of the extraction wells or an indication that the amount of DNAPL present within the subsurface amenable to physical removal has decreased.

ANALYTICAL LABORATORY RESULTS: During the operation of the DNAPL removal system, water samples were collected from various points along the treatment train and submitted to Spectrum Analytical, Inc. (Spectrum) for testing of halogenated volatile organic compounds (VOCs). Specifically, a sample was collected on August 22, 2012 from a sample port located immediately before the granular

activated carbon (GAC) drums. This sample, designated "GAC INF" contained a tetrachloroethene (PCE) concentration of 106,000 ug/l and a cis-1,2 dichloroethene (cis-1,2 DCE) concentration of 3,140 ug/l. On October 13, 2012, samples were collected from the top of the gravity separator tank (designated "Air Tank Influent"); the sample port located immediately before the GAC drums (designated "Carbon Filter Influent", which is the same location where GAC INF was collected); and at the discharge location to the sanitary sewer (designated "Sewer Discharge"). The Air Tank Influent sample contained concentrations of PCE (131,000 ug/l), trichloroethene (TCE, 2,300 J ug/l), and cis-1,2 DCE (8,250 ug/l). The Carbon Filter Influent sample contained concentrations of PCE (52,700 ug/l), TCE (1,080 ug/l, and cis-1,2 DCE (2,940 ug/l). The Sewer Discharge sample did not contain detectable concentrations of VOCs (detection limits ranging between 0.3 ug/l and 1.5 ug/l). Copies of the laboratory report prepared by Spectrum and executed chain-of-custody documentation for the samples collected are included in Attachment C.

DISCUSSION AND RECOMMENDATIONS:

1. The DNAPL removal system is an effective method of removing a source area of the contaminants present at the Site. Although the rate of DNAPL removal has decreased, it is recommended that the DNAPL removal system continue to operate to assess seasonal impacts on the removal and the impact of altering pumping rates.

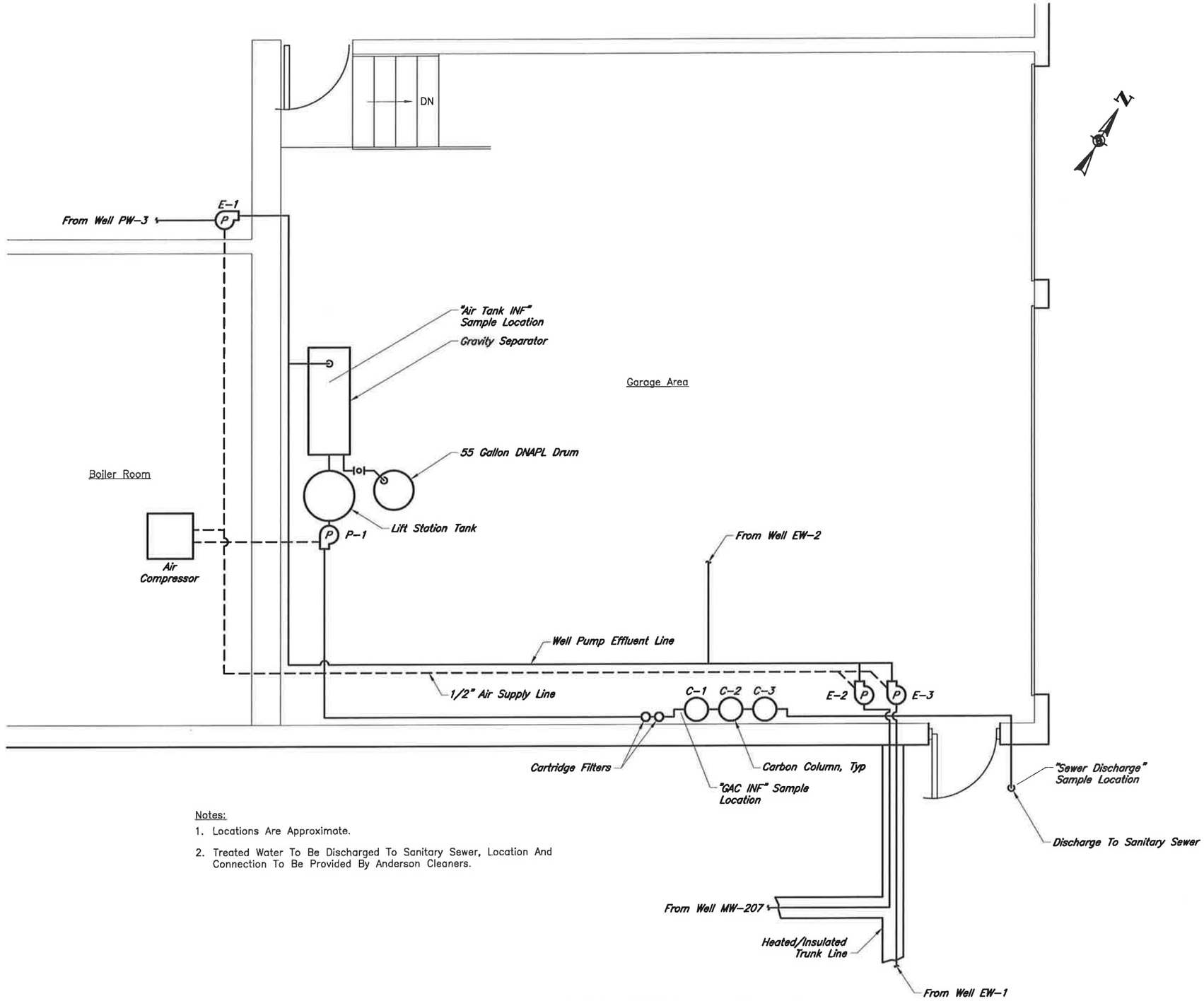
2. The operation of the DNAPL removal system will be altered to evaluate the on-going effectiveness of the physical removal of DNAPL. During the future operation of the DNAPL removal system, extraction wells will be turned off for extended periods of time to assess if there is an increase in the amount of DNAPL that can be removed when the well is reactivated. In addition, the pumping rates will be varied by increasing and decreasing the air pressures that power the pumps to assess what (if any) alternating pumping rates has on the quantity of DNAPL that can be recovered.

3. The VOC concentrations measured in samples collected from the GAC influent sample port and the sewer discharge location indicate the GAC is effectively removing residual VOCs from the water. Additional samples will be collected to assess current conditions, and the results of this sampling will also be used to determine if the GAC drums need to be replaced.

4. Depending on the results of the evaluations of the DNAPL removal system described above, and the analytical laboratory test results, additional remedial efforts designed as a polishing step to remove residual DNAPL to the extent possible will be evaluated. These measures could include chemical oxidation, biostimualtion and/or bioaugmentation or a combination of these remedial alternatives. The specific measures undertaken will be based on site conditions, pilot testing and discussions with vendors. Prior to implementation, an addendum remedial action work plan will be submitted to the NYSDEC.

SCHEDULE: During the week of February 11, 2013, water samples will be collected prior to the GAC drums and at the sewer discharge location. These samples will be submitted to an analytical laboratory and tested for halogenated VOCs. Depending on the results of this testing, GAC drums may require replacement. It is anticipated that the DNAPL removal system will continue to be operated through at least May 31, 2013, and the effectiveness of individual extraction wells will be evaluated by shutting down specific wells, varying the pumping rates, etc. The effectiveness of the continued operation of the DNAPL removal system will be determined after this evaluation period. If appropriate, proposed modifications to the system will be identified at that time.

FIGURES



Notes:

1. Locations Are Approximate.
2. Treated Water To Be Discharged To Sanitary Sewer, Location And Connection To Be Provided By Anderson Cleaners.

DNAPL REMOVAL SYSTEM PLAN VIEW

Not To Scale

PROJECT MANAGER	RLK
DATE	2-2013
DRAWN BY	RJM
DATE DRAWN	2-8-2013
SCALE	As Noted
DATE ISSUED	2-15-2013

day
DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
ROCHESTER, NEW YORK 14606
NEW YORK, NEW YORK 10170

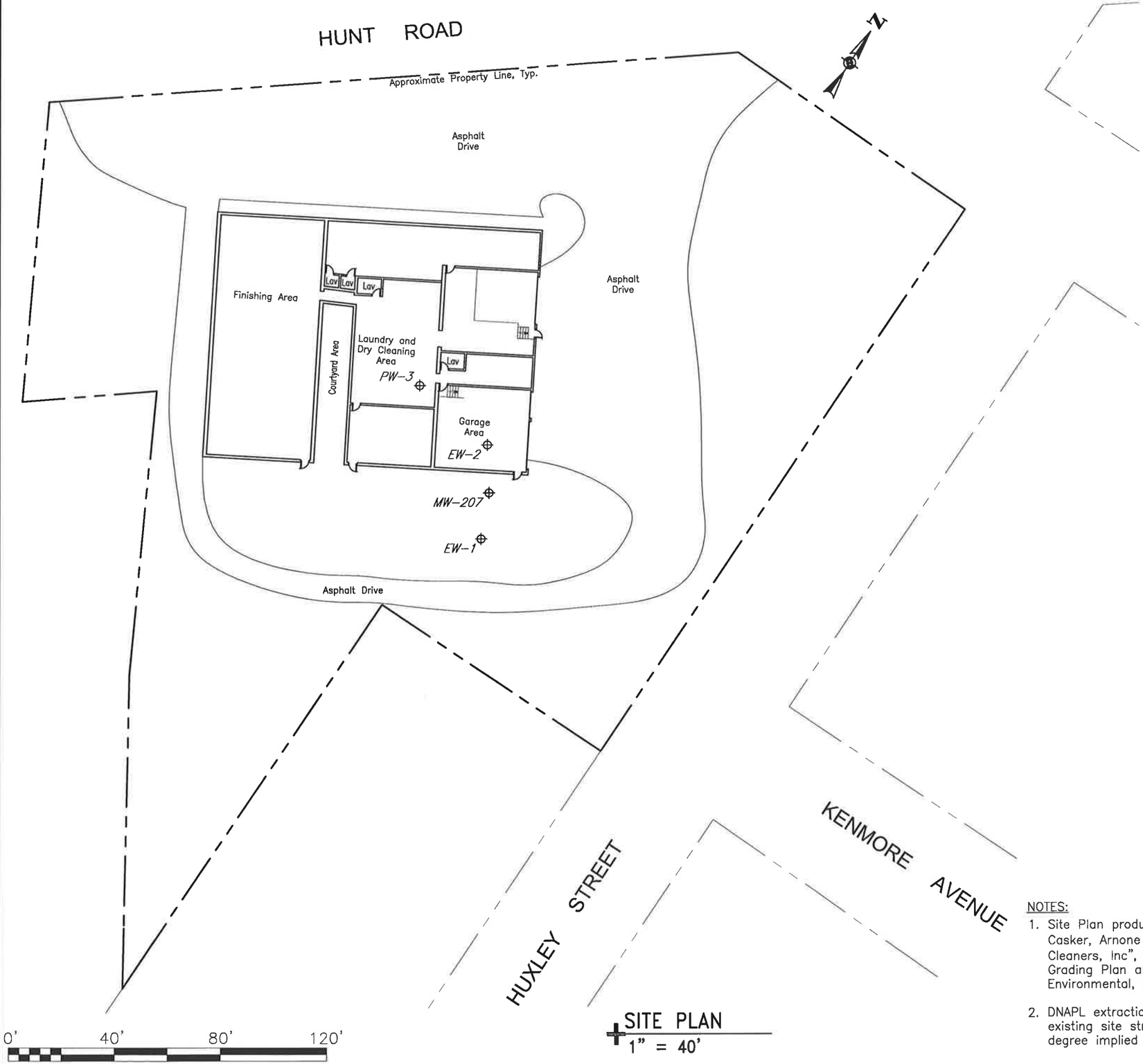
PROJECT TITLE
5 HUNT ROAD
JAMESTOWN, NEW YORK

REMEDIAL ACTION WORK PLAN - BCP #C907027

DRAWING TITLE
DNAPL Removal System Schematic

PROJECT NO.
3563S-04

FIGURE 1



SITE PLAN
1" = 40'

LEGEND:

⊕EW-1 DNAPL Extraction Well

NOTES:

1. Site Plan produced from drawings by Habiterra Associates, Thorsell, Kennedy, Casker, Arnone & Hedin. P.C. entitled "Addition and Renovations, Anderson Cleaners, Inc", drawings A-1 Floor Plan dated October 22, 1985 and L-1 Grading Plan and from notes of site visits by representatives of Day Environmental, Inc.
2. DNAPL extraction well locations were obtained by tape measurement from existing site structure. Locations should be considered accurate to the degree implied by the method used.

PROJECT MANAGER: RLK	DRAWN BY: RJM	SCALE: As Noted
DATE: 2-2013	DATE DRAWN: 2-8-2013	DATE ISSUED: 2-15-2013

day
DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
ROCHESTER, NEW YORK 14606
NEW YORK, NEW YORK 10170

PROJECT TITLE
5 HUNT ROAD
JAMESTOWN, NEW YORK

REMEDIAL ACTION WORK PLAN - BCP #C907027

DRAWING TITLE
DNAPL Extraction Well Locations

PROJECT NO.
3563S-04

FIGURE 2

ATTACHMENT A

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: PW-3

Project: 5 Hunt Road, Jamestown, NY
DAY Representative: C. Davidson
Drilling Contractor: SLC Environmental Services
Drilling Rig: Geoprobe 54LT (track mount)
Sampling Method: Direct Push
Completion Method: 1" PVC Well Installed

Project No: 3292S-03
Boring Location: See Site Plan
Ground Surface Elevation: NA
Start Date: 10/13/04
Borehole Diameter: 2.25"
Water Level: 1.72' (10/21/04)

Datum: NA
Completion Date: 10/13/04
Borehole Depth: 15.4'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						41.2		Concrete Stone sub-base Gray to brown Sandy Silt and Gravel (FILL), moist
2	NA	S-1	0-4	20	NA			
3						391		... chemical-type odor
4								
5								NOTE: Stone sub-base falling into borehole from underneath concrete surface. Concrete becoming undercut, a disposable point was used to advance boring. This stopped "fall in" and ensured a proper well installation.
6								
7								
8								
9								
10	NA	NA	4-15.4	NA	NA			
11								
12								
13								
14								
15								
16								Refusal @ 15.4'
17								
18								
19								
20								

File: 3292pw3.log

day

DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS

AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, New York
DAY Representative: R. Kampff
Drilling Contractor: SJB Services
Sampling Method: 2" Split Spoon

TEST BORING TB-209 / MW-207

Page 1 of 1

Ground Elevation: _____ Datum: _____
Date Started: 12/28/2006 Date Ended: 12/28/2006
Borehole Depth: 14.0' Borehole Diameter: 11-inch
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date): _____

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	1 1 2 3	S-1	0-2	50	3	0	0	Very Loose, Brown, Clayey Silt, little Sand, trace Organics (roots), moist (FILL)	
2									
3	1 2 2 3	S-2	2-4	58	4	0	0	Black, TOPSOIL, original ground surface	
4									
5	4 4 5 7	S-3	4-6	100	5	646	6	Loose, Gray, clayey SILT, some Sand, moist	
6									
7	4 4 5 7	S-4	6-8	67	9	5.6	0	Loose, Gray, Silty SAND, some Clay, trace Gravel, moist	
8									
9	1 3 4 6	S-5	8-10	58	7	662		...little Gravel	...chemical odor
10								Loose, Brown, medium to coarse SAND, Moist	
11	3 5 8 8	S-6	10-12	50	13	585	158	Medium Dense, Brown, Silty SAND, trace Clay, moist	
12									
13	5 9 14 25	S-7	12-14	100	23	9999+	187		
14							5,675	Medium Dense, Brown, Silty SAND, little Clay, Rock fragments, wet (TILL)	
								Bottom of Hole 14.0'	
15									
16									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

TEST BORING TB-209 / MW-207

40 COMMERCIAL STREET
ROCHESTER, NEW YORK 14614-1008
(585) 454-0210
FAX (585) 454-0825

NEW YORK, NEW YORK 10165-1617
(212) 986-8645
FAX (212) 986-8657

www.dayenvironmental.com

day

DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS

AN AFFILIATE OF DAY ENGINEERING, P.C.

MONITORING WELL INSTALLATION LOG

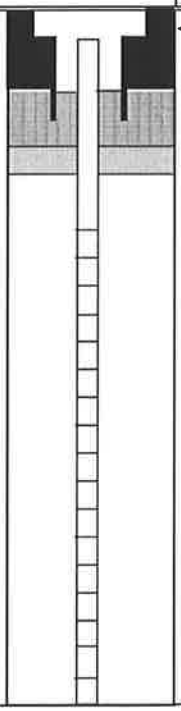
Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, New York
DAY Representative: Ray Kampff
Drilling Contractor: SJB Services

MONITORING WELL MW-207

Ground Elevation: _____ Datum: _____
Date Started: 12/27/2006 Date Ended: 12/27/2006

Water Level (Date/Time): _____

Refer to Test Boring Log TB-208 (MW-206) for Soil Description



Flush Mounted Roadbox
_____ Depth to Top of Riser Pipe (ft)
2.0 Depth to Bottom of Cement Surface Patch (ft)
Backfill Type _____

2.0 Depth to Top of Bentonite Seal (ft)
8.0 Depth to Bottom of Bentonite Seal (ft)

9.0 Depth to Top of Well Screen (ft)

11.0 Diameter of Borehole (in)

Backfill Type Sand

4.0 Inside Diameter of Well (in)

Type of Pipe Stainless Steel
Screen slot size #10

14.0 Depth to Bottom of Well Screen (ft)

14.0 Depth of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-207

nes0289(Anders 3563S-04) Well Installation Logs 12-28-06.xls

40 COMMERCIAL STREET
ROCHESTER, NEW YORK 14614-1008
(585) 454-0210
FAX (585) 454-0825

www.dayenvironmental.com

NEW YORK, NEW YORK 10165-1617
(212) 986-8645
FAX (212) 986-8657

day

DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS

AN AFFILIATE OF DAY ENGINEERING, P.C.

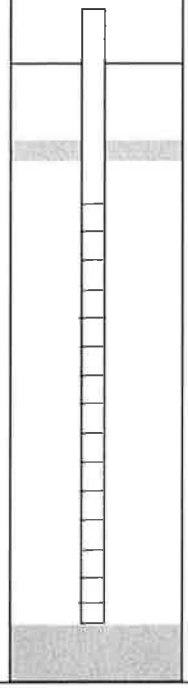
MONITORING WELL CONSTRUCTION DIAGRAM

Project #: 3563R-04
Project Address: 5 Hunt Road
Jamestown, NY
DAY Representative: C. Hampton
Drilling Contractor: QISI

MONITORING WELL EW-1

Ground Elevation: - Datum: -
Date Started: 7/19/2012 Date Ended: 7/19/2012

Water Level (Date): 7.22 BTOC (7/20/12) 21.05 depth



2.0 Height of Stickup (ft) (Temporary Stickup)

← Ground Surface

Backfill Type Grout
11.0 Depth to Top of Bentonite Seal (ft)
13.0 Depth to Bottom of Bentonite Seal (ft)

14.0 Depth to Top of Well Screen (ft)

8 1/2 Diameter of Borehole (in)

Backfill Type Sand

4.0 Inside Diameter of Well (in)

Type of Pipe Stainless Steel Screen/PVC Riser
Screen slot size 20

19.0 Depth to Bottom of Well Screen (ft)

19.5 Depth to Bottom of Borehole/Top of Bedrock (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL EW-1

1563 LYELL AVENUE
ROCHESTER, NEW YORK 14606
(585) 454-0210
FAX (585) 454-0825

www.dayenvironmental.com

420 LEXINGTON AVENUE, SUITE 300
NEW YORK, NEW YORK 10170
(212) 986-8645
FAX (212) 986-8657

day

DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS

AN AFFILIATE OF DAY ENGINEERING, P.C.

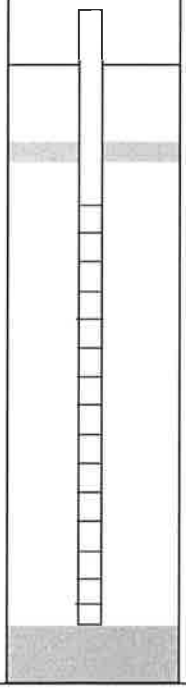
MONITORING WELL CONSTRUCTION DIAGRAM

Project #: 3563R-04
Project Address: 5 Hunt Road
Jamestown, NY
DAY Representative: C. Hampton
Drilling Contractor: QISI

MONITORING WELL EW-2

Ground Elevation: -
Datum: -
Date Started: 7/19/2012
Date Ended: 7/19/2012

Water Level (Date): 5.09 BTOC (7/20/12) 20.42 depth



4.0 Height of Stickup (ft) (Temporary Stickup)

← Ground Surface

Backfill Type Grout
6.0 Depth to Top of Bentonite Seal (ft)
8.0 Depth to Bottom of Bentonite Seal (ft)

11.0 Depth to Top of Well Screen (ft)

6.0 Diameter of Borehole (in)

Backfill Type Sand

2.0 Inside Diameter of Well (in)

Type of Pipe Stainless Steel Screen/PVC Riser
Screen slot size 10

17.0 Depth to Bottom of Well Screen (ft)

17.0 Depth to Bottom of Borehole/Top of Bedrock (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL EW-2

1563 LYELL AVENUE
ROCHESTER, NEW YORK 14606
(585) 454-0210
FAX (585) 454-0825

www.dayenvironmental.com

420 LEXINGTON AVENUE, SUITE 300
NEW YORK, NEW YORK 10170
(212) 986-8645
FAX (212) 986-8657

ATTACHMENT B

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYD012774063	1	1-800-315-4467	003594930 JJK

5. Generator's Name and Mailing Address
ANDERSON DRY CLEANERS
5 HUNT ROAD JAMESTOWN, NY 14701
Generator's Phone: 716-664-5610

Generator's Site Address (if different than mailing address)
HUNT ROAD
JAMESTOWN, NY 14701
716-664-5610

6. Transporter 1 Company Name
SOLVENTS & PETROLEUM SERVICE INC
U.S. EPA ID Number
NYD013277454

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
SOLVENTS & PETROLEUM SERVICE INC
1405 BREWERTON RD SYRACUSE NY 13208
Facility's Phone: 315 454-4467
U.S. EPA ID Number
NYD013277454

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, WASTE TETRACHLOROETHYLENE 6.1, UN1897, PGIII	01	DM	55	G	F001		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
LINE ITEM 1 ER GUIDE 160 ANDERSON

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Edith Swanson
Signature:
Month 9 Day 25 Year 08

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Shawn Nigg
Signature:
Month 09 Day 25 Year 08

Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Derek S. Parks
Signature:
Month 9 Day 25 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYD001277063	1	1-800-424-9300	005716651 FLE

GENERATOR

5. Generator's Name and Mailing Address
ANDERSON DRY CLEANERS
5 HUNT ROAD JAMESTOWN, NY 14701
Generator's Phone: 716-664-6610

Generator's Site Address (if different than mailing address)
HUNT ROAD
JAMESTOWN, NY 14701
716-664-6610

6. Transporter 1 Company Name
SOLVENTS & PETROLEUM SERVICE INC
U.S. EPA ID Number
NYD013277484

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
SOLVENTS & PETROLEUM SERVICE INC
1489 BREWERTON RD SYRACUSE NY 13208
Facility's Phone: 315 484-9457
U.S. EPA ID Number
NYD013277484

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. RQ, UN1897, WASTE TETRACHLOROETHYLENE, 9.1, PG III	03	DM	39	G	F001	D	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
USE ITEM 17 ER GUIDE 160 ANDERCLI

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Connie McKeon
Signature: Connie McKeon
Month: 11 Day: 30 Year: 12

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Shawn Riggle
Signature
Month: 11 Day: 30 Year: 12
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H141 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name
Signature
Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

ATTACHMENT C

Report Date:
31-Aug-12 09:27

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, NY 14606
Attn: Ray Kampff

Project: Anderson Cleaners Treatment System, NY
Project #: [none]

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB55122-01	GAC INF	Ground Water	22-Aug-12 14:30	27-Aug-12 09:45

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 4 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

The samples were received 5.4 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8260C

Calibration:

1208066

Analyte quantified by quadratic equation type calibration.

Chloromethane
trans-1,2-Dichloroethene
trans-1,3-Dichloropropene

This affected the following samples:

1220823-BLK1
1220823-BS1
1220823-BSD1
GAC INF
S210301-ICV1
S210506-CCV1

S210301-ICV1

Analyte percent recovery is outside individual acceptance criteria (80-120).

Dichlorodifluoromethane (Freon12) (72%)
Vinyl chloride (78%)

This affected the following samples:

1220823-BLK1
1220823-BS1
1220823-BSD1
GAC INF
S210506-CCV1

Samples:

S210506-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,1-Dichloroethene (-21.3%)
Dichlorodifluoromethane (Freon12) (-31.8%)
Trichlorofluoromethane (Freon 11) (-26.0%)
Vinyl chloride (-33.5%)

This affected the following samples:

1220823-BLK1
1220823-BS1
1220823-BSD1
GAC INF

SB55122-01 *GAC INF*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
GAC INF SB55122-01	[none]	Ground Water	22-Aug-12 14:30	27-Aug-12

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Halocarbons Prepared by method SW846 5030 Water MS			GS1										
75-27-4	Bromodichloromethane	< 958	U	µg/l	1000	958	2000	SW846 8260C	29-Aug-12	29-Aug-12	JEG	1220823	X
75-25-2	Bromoform	< 1210	U	µg/l	2000	1210	2000	"	"	"	"	"	X
74-83-9	Bromomethane	< 2280	U	µg/l	4000	2280	2000	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1100	U	µg/l	2000	1100	2000	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1310	U	µg/l	2000	1310	2000	"	"	"	"	"	X
75-00-3	Chloroethane	< 2070	U	µg/l	4000	2070	2000	"	"	"	"	"	X
67-66-3	Chloroform	< 1380	U	µg/l	2000	1380	2000	"	"	"	"	"	X
74-87-3	Chloromethane	< 2950	U	µg/l	4000	2950	2000	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 578	U	µg/l	1000	578	2000	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1340	U	µg/l	2000	1340	2000	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1420	U	µg/l	2000	1420	2000	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1250	U	µg/l	2000	1250	2000	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 894	U	µg/l	4000	894	2000	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1360	U	µg/l	2000	1360	2000	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1560	U	µg/l	2000	1560	2000	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 976	U	µg/l	2000	976	2000	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	3,140		µg/l	2000	1430	2000	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1360	U	µg/l	2000	1360	2000	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1420	U	µg/l	2000	1420	2000	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 504	U	µg/l	1000	504	2000	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 998	U	µg/l	1000	998	2000	"	"	"	"	"	X
75-09-2	Methylene chloride	< 1380	U	µg/l	4000	1380	2000	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 698	U	µg/l	1000	698	2000	"	"	"	"	"	X
127-18-4	Tetrachloroethene	106,000		µg/l	2000	1490	2000	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 1160	U	µg/l	2000	1160	2000	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1280	U	µg/l	2000	1280	2000	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1510	U	µg/l	2000	1510	2000	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1260	U	µg/l	2000	1260	2000	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1610	U	µg/l	2000	1610	2000	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*80*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*97*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*110*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*110*			*70-130 %*			"	"	"	"	"	

Notes and Definitions

GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
U	Analyte included in the analysis, but not detected at or above the MDL.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Nicole Leja

S055122

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: DAY ENVIRONMENTAL attn: RAY KAMPFF
RKAMPFF@DAYMAIL.NET

Telephone #: 585 454 0210
Project Mgr: RAY KAMPFF

Invoice To: MIKE LYONS
ANDERSON CLEANERS
5 HUNT RD
JAMESTOWN, NY 14701

P.O. No.: _____ RQN: _____

Project No.: ANDERSON CLEANERS
Site Name: ↓
Location: TREATMENT SYSTEM State: NY
Sampler(s): TOM ROSZAK

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= _____ 12= _____

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 8260 HALOCARBONS	MA DEP MCP CAM Report: Yes ☐ No ☐ CT DPH RCP Report: Yes ☐ No ☐ QA/QC Reporting Level ☐ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER IV* ☐ Other _____ State-specific reporting standards:
55122-01	GAC INF	8/22/12	1430	G	GW	2				X	

Relinquished by:	Received by:	Date:	Time:	Temp°C
Tom Roszak	Nathan Simon	8/23/12	0900	
Nathan Simon	[signature]	8/24/12	10:35	
[signature]	[signature]	8/24/12	1030	5.4

☐ EDD Format _____
☒ E-mail to RKAMPFF@DAYMAIL.NET

Condition upon receipt:
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

S055122

SPECTRUM ANALYTICAL, INC.
Featuring
HANNIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☒ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5 Day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: DAY ENVIRONMENTAL attn: RAY KAMPFF
RKAMPFF@DAYMAIL.NET
Telephone #: 585 454 0210
Project Mgr. RAY KAMPFF

Invoice To: MIKE LYONS
ANDERSON CLEANERS
5 HUNT RD
JAMESTOWN, NY 14701
P.O. No.: RQN:

Project No.: ANDERSON CLEANERS
Site Name: ↓
Location: TREATMENT SYSTEM State: NY
Sampler(s): TOM ROSZAK

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 8260 HALOCARBONS	List preservative code below:
55122-01	GAC INF	8/22/12	1430	G	GW	2				X	

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA* ☐ NY ASP A* ☐ NY ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
Tom Roszak	Nathan Almgren	8/23/12	0900	
Nathan Almgren	[signature]	8/24/12	10:35	
[signature]	[signature]	8/24/12	1230	5.4
[signature]	Fedex	8/27/12	945	24.5 (iced: melted ice)

☐ EDD Format
☒ E-mail to RKAMPFF@DAYMAIL.NET

Condition upon receipt:
☐ Ambient ☐ Iced ☒ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

RH

From: (315) 214-5777
Mike Mapother
Spectrum Analytical, Inc.
6263 East Taft Road

North Syracuse, NY 13212

Origin ID: SYRA

FedEx Express

J1220120716032S

Ship Date: 24AUG12
ActWgt: 10.0 LB
CAD: 102252630/INET3300

Delivery Address Bar Code

SHIP TO: (413) 789-9018 BILL SENDER

SAMPLE RECEIVING
SPECTRUM ANALYTICAL
11 ALMGREN DR

AGAWAM, MA 01001

Ref # SAMPLES
Invoice #
PO #
Dept #

SATURDAY ### A2
PRIORITY OVERNIGHT

TRK# 0201 **7988 2151 0941**

X0 EHTA

01001
MA-US
BDL

515G2/0C34/AA44

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: DAY ENVIRONMENTAL attn: RAY KAMPFF
RKAMPFF @ DAYMAIL.NET
Telephone #: 585 454 0210
Project Mgr. RAY KAMPFF

Invoice To: MIKE LYONS
ANDERSON CLEANERS
5 HUNT RD
JAMESTOWN, NY 14701
P.O. No.: _____ RQN: _____

Project No.: ANDERSON CLEANERS
Site Name: ↓
Location: TREATMENT SYSTEM State: NY
Sampler(s): TOM ROSZAK

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= H_3PO_4 11= _____ 12= _____

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		Analyses: 8260 HALOCARBONS								
	GAC INF	8/22/12	1430	G	GW	2													

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other _____

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
Tom Roszak	Nathan Lemon	8/23/12	0900	
Nathan Lemon	[signature]	8/24/12	10:35	

☐ EDD Format _____
☒ E-mail to RKAMPFF @ DAYMAIL.NET

Condition upon receipt:
☐ Ambient ☐ Iced ☑ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Report Date:
25-Oct-12 13:53

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Day Environmental, Inc.
1563 Lyell Avenue
Rochester, NY 14606
Attn: Ray Kampff

Project: 5 Hunt Rd. Jamestown, NY
Project #: 35635-04

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB58271-01	Air Tank Influent	Waste Water	13-Oct-12 10:30	16-Oct-12 21:00
SB58271-02	Carbon Filter Influent	Waste Water	13-Oct-12 10:40	16-Oct-12 21:00
SB58271-03	Sewer Discharge	Waste Water	13-Oct-12 10:50	16-Oct-12 21:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 8 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

The samples were received 1.1 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8260C

Calibration:

1210050

Analyte quantified by quadratic equation type calibration.

Dibromochloromethane

This affected the following samples:

1226087-BLK1
1226087-BS1
1226087-BSD1
Air Tank Influent
Carbon Filter Influent
S212821-ICV1
S213114-CCV1
Sewer Discharge

S212821-ICV1

Analyte percent recovery is outside individual acceptance criteria (80-120).

Dichlorodifluoromethane (Freon12) (71%)

This affected the following samples:

1226087-BLK1
1226087-BS1
1226087-BSD1
Air Tank Influent
Carbon Filter Influent
S213114-CCV1
Sewer Discharge

Laboratory Control Samples:

1225991 BS/BSD

1,1,2,2-Tetrachloroethane percent recoveries (69/72) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

Air Tank Influent

Bromomethane percent recoveries (137/137) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

Air Tank Influent

Spikes:

1225991-MS1 *Source: SB58271-01*

SW846 8260C

Spikes:

1225991-MS1 *Source: SB58271-01*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

1,1,2,2-Tetrachloroethane

1225991-MSD1 *Source: SB58271-01*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

1,1,2,2-Tetrachloroethane

Samples:

S213061-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,1,2,2-Tetrachloroethane (-29.6%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Bromomethane (42.6%)

This affected the following samples:

1225991-BLK1
1225991-BS1
1225991-BSD1
1225991-MS1
1225991-MSD1
Air Tank Influent

SB58271-01 *Air Tank Influent*

Sample data reported for QC purposes only.

SB58271-01RE1 *Air Tank Influent*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SB58271-02 *Carbon Filter Influent*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Air Tank Influent SB58271-01	35635-04	Waste Water	13-Oct-12 10:30	16-Oct-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Halocarbons Prepared by method SW846 5030 Water MS			QCR										
75-27-4	Bromodichloromethane	< 2400	U, D	µg/l	2500	2400	5000	SW846 8260C	23-Oct-12	24-Oct-12	JEG	1225991	X
75-25-2	Bromoform	< 3020	U, D	µg/l	5000	3020	5000	"	"	"	"	"	X
74-83-9	Bromomethane	< 5700	U, D	µg/l	10000	5700	5000	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 2740	U, D	µg/l	5000	2740	5000	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 3270	U, D	µg/l	5000	3270	5000	"	"	"	"	"	X
75-00-3	Chloroethane	< 5160	U, D	µg/l	10000	5160	5000	"	"	"	"	"	X
67-66-3	Chloroform	< 3440	U, D	µg/l	5000	3440	5000	"	"	"	"	"	X
74-87-3	Chloromethane	< 7360	U, D	µg/l	10000	7360	5000	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 1440	U, D	µg/l	2500	1440	5000	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 3340	U, D	µg/l	5000	3340	5000	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 3560	U, D	µg/l	5000	3560	5000	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 3120	U, D	µg/l	5000	3120	5000	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2240	U, D	µg/l	10000	2240	5000	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 3400	U, D	µg/l	5000	3400	5000	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 3900	U, D	µg/l	5000	3900	5000	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 2440	U, D	µg/l	5000	2440	5000	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	8,250	D	µg/l	5000	3580	5000	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 3400	U, D	µg/l	5000	3400	5000	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 3560	U, D	µg/l	5000	3560	5000	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 1260	U, D	µg/l	2500	1260	5000	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 2500	U, D	µg/l	2500	2500	5000	"	"	"	"	"	X
75-09-2	Methylene chloride	< 3450	U, D	µg/l	10000	3450	5000	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 1740	U, D	µg/l	2500	1740	5000	"	"	"	"	"	X
127-18-4	Tetrachloroethene	131,000	D	µg/l	5000	3720	5000	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 2910	U, D	µg/l	5000	2910	5000	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 3210	U, D	µg/l	5000	3210	5000	"	"	"	"	"	X
79-01-6	Trichloroethene	< 3780	U, D	µg/l	5000	3780	5000	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 3140	U, D	µg/l	5000	3140	5000	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 4040	U, D	µg/l	5000	4040	5000	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*91*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*106*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*93*			*70-130 %*			"	"	"	"	"	
Re-analysis of Volatile Organic Halocarbons Prepared by method SW846 5030 Water MS			GS1										
75-27-4	Bromodichloromethane	< 1200	U, D	µg/l	1250	1200	2500	SW846 8260C	24-Oct-12	24-Oct-12	eq	1226087	X
75-25-2	Bromoform	< 1510	U, D	µg/l	2500	1510	2500	"	"	"	"	"	X
74-83-9	Bromomethane	< 2850	U, D	µg/l	5000	2850	2500	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1370	U, D	µg/l	2500	1370	2500	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1640	U, D	µg/l	2500	1640	2500	"	"	"	"	"	X
75-00-3	Chloroethane	< 2580	U, D	µg/l	5000	2580	2500	"	"	"	"	"	X
67-66-3	Chloroform	< 1720	U, D	µg/l	2500	1720	2500	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Air Tank Influent	35635-04	Waste Water	13-Oct-12 10:30	16-Oct-12
SB58271-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Re-analysis of Volatile Organic Halocarbons Prepared by method SW846 5030 Water MS			GS1										
74-87-3	Chloromethane	< 3680	U, D	µg/l	5000	3680	2500	SW846 8260C	24-Oct-12	24-Oct-12	eq	1226087	X
124-48-1	Dibromochloromethane	< 722	U, D	µg/l	1250	722	2500	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1670	U, D	µg/l	2500	1670	2500	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1780	U, D	µg/l	2500	1780	2500	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1560	U, D	µg/l	2500	1560	2500	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 1120	U, D	µg/l	5000	1120	2500	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1700	U, D	µg/l	2500	1700	2500	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1950	U, D	µg/l	2500	1950	2500	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1220	U, D	µg/l	2500	1220	2500	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	6,150	D	µg/l	2500	1790	2500	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1700	U, D	µg/l	2500	1700	2500	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1780	U, D	µg/l	2500	1780	2500	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 630	U, D	µg/l	1250	630	2500	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 1250	U, D	µg/l	1250	1250	2500	"	"	"	"	"	X
75-09-2	Methylene chloride	< 1720	U, D	µg/l	5000	1720	2500	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 872	U, D	µg/l	1250	872	2500	"	"	"	"	"	X
127-18-4	Tetrachloroethene	109,000	D	µg/l	2500	1860	2500	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 1460	U, D	µg/l	2500	1460	2500	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1600	U, D	µg/l	2500	1600	2500	"	"	"	"	"	X
79-01-6	Trichloroethene	2,300	J, D	µg/l	2500	1890	2500	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1570	U, D	µg/l	2500	1570	2500	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 2020	U, D	µg/l	2500	2020	2500	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*98*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*103*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Carbon Filter Influent SB58271-02	35635-04	Waste Water	13-Oct-12 10:40	16-Oct-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Halocarbons Prepared by method SW846 5030 Water MS			GS1										
75-27-4	Bromodichloromethane	< 479	U, D	µg/l	500	479	1000	SW846 8260C	24-Oct-12	24-Oct-12	eq	1226087	X
75-25-2	Bromoform	< 603	U, D	µg/l	1000	603	1000	"	"	"	"	"	X
74-83-9	Bromomethane	< 1140	U, D	µg/l	2000	1140	1000	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 549	U, D	µg/l	1000	549	1000	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 654	U, D	µg/l	1000	654	1000	"	"	"	"	"	X
75-00-3	Chloroethane	< 1030	U, D	µg/l	2000	1030	1000	"	"	"	"	"	X
67-66-3	Chloroform	< 689	U, D	µg/l	1000	689	1000	"	"	"	"	"	X
74-87-3	Chloromethane	< 1470	U, D	µg/l	2000	1470	1000	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 289	U, D	µg/l	500	289	1000	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 668	U, D	µg/l	1000	668	1000	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 712	U, D	µg/l	1000	712	1000	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 624	U, D	µg/l	1000	624	1000	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 447	U, D	µg/l	2000	447	1000	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 680	U, D	µg/l	1000	680	1000	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 781	U, D	µg/l	1000	781	1000	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 488	U, D	µg/l	1000	488	1000	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	2,940	D	µg/l	1000	716	1000	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 681	U, D	µg/l	1000	681	1000	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 712	U, D	µg/l	1000	712	1000	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 252	U, D	µg/l	500	252	1000	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 499	U, D	µg/l	500	499	1000	"	"	"	"	"	X
75-09-2	Methylene chloride	< 690	U, D	µg/l	2000	690	1000	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 349	U, D	µg/l	500	349	1000	"	"	"	"	"	X
127-18-4	Tetrachloroethene	52,700	D	µg/l	1000	743	1000	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 582	U, D	µg/l	1000	582	1000	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 642	U, D	µg/l	1000	642	1000	"	"	"	"	"	X
79-01-6	Trichloroethene	1,080	D	µg/l	1000	755	1000	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 628	U, D	µg/l	1000	628	1000	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 807	U, D	µg/l	1000	807	1000	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*99*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*103*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*107*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Sewer Discharge	35635-04	Waste Water	13-Oct-12 10:50	16-Oct-12
SB58271-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Halocarbons Prepared by method SW846 5030 Water MS													
75-27-4	Bromodichloromethane	< 0.5	U	µg/l	0.5	0.5	1	SW846 8260C	24-Oct-12	24-Oct-12	eq	1226087	X
75-25-2	Bromoform	< 0.6	U	µg/l	1.0	0.6	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 1.1	U	µg/l	2.0	1.1	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.5	U	µg/l	1.0	0.5	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.7	U	µg/l	1.0	0.7	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 1.0	U	µg/l	2.0	1.0	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.7	U	µg/l	1.0	0.7	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 1.5	U	µg/l	2.0	1.5	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.7	U	µg/l	1.0	0.7	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.7	U	µg/l	1.0	0.7	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.6	U	µg/l	1.0	0.6	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.7	U	µg/l	1.0	0.7	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.8	U	µg/l	1.0	0.8	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.5	U	µg/l	1.0	0.5	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.7	U	µg/l	1.0	0.7	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.7	U	µg/l	1.0	0.7	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.7	U	µg/l	1.0	0.7	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.5	U	µg/l	0.5	0.5	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 0.7	U	µg/l	2.0	0.7	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.7	U	µg/l	1.0	0.7	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.6	U	µg/l	1.0	0.6	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.6	U	µg/l	1.0	0.6	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 0.8	U	µg/l	1.0	0.8	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.6	U	µg/l	1.0	0.6	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.8	U	µg/l	1.0	0.8	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*101*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*101*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*			*70-130 %*			"	"	"	"	"	

Notes and Definitions

D	Data reported from a dilution
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
QCR	Sample data reported for QC purposes only.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.
U	Analyte included in the analysis, but not detected at or above the MDL.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Kimberly Wisk

SB 58271

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Ray Environmental, Inc
1563 Lyell Avenue
Rochester, NY 14606

Telephone #:

Project Mgr. Ray Kampff

Invoice To: Anderson Cleaners, Inc
5 Hunt Road
Jamestown New York 14701
Attn: Mike Lyons

P.O. No.: _____ RQN: _____

Project No.: 35635-04
Site Name: 5 Hunt Road
Location: Jamestown NY State: _____
Sampler(s): C. Hampton

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8260 Halocarbons	List preservative code below:	Analyses:
58271-01	Air tank influent	10/13/12	10:30	G	WW	3				X		
-02	Carbon Filter influent	10/13/12	10:40	G	WW	3				X		
-03	Sewer Discharge	10/13/12	10:50	G	WW	3				X		

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other _____

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
		10/16/12	11:45	
		10/16/12	12:00	
		10/16/12	1645	
		10/16/12	2100	1.1

☐ EDD Format _____
☒ E-mail to rkampff@raymulvnet

Condition upon receipt:
☐ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Day Environmental, Inc
1563 Lyell Avenue
Rochester, NY 14606

Telephone #:

Project Mgr. Ray Kampff

Invoice To: Anderson Cleaners, Inc
5 Hunt Road
Jamestown New York 14701
Attn: Mike Lyons

P.O. No.: RQN:

Project No.: 35635-04
Site Name: 5 Hunt Road
Location: Jamestown NY State:
Sampler(s): C. Hampton

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= 12=

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

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8260 Halocarbons	
	Air tank influent	10/13/12	10:30	G	WW	3				X	
	Carbon filter influent	10/13/12	10:40	G	WW	3				X	
	Sewer Discharge	10/13/12	10:50	G	WW	3				X	

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

Analyses:

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☐ No ☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER IV*
☐ Other

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
		10/16/12	11:45	
		10/16/12	12:50	

☐ EDD Format
☒ E-mail to rkampff@daymail.net

Condition upon receipt:
☐ Ambient ☐ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen