

**JOHN V. SODERBERG, P.E.**

PO Box 263  
Stony Brook, NY 11790  
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Email [jvsode@hotmail.com](mailto:jvsode@hotmail.com)

May 15, 2017

Natasha Court  
Westchester County Department of Health (WCDOH)  
Bureau of Environmental Quality  
145 Huguenot Street  
New Rochelle, NY 10801

Re: On Site Inspection for April 2017  
Schmukler's Cleaners  
358-364 North Ave. New Rochelle, New York  
Site No.: C360088 Index No.: A3-0542-0306

On April 25, 2017 personnel were at the above mentioned site for monthly monitoring and maintenance operations. Personnel returned to the site listed above to gauge influent and effluent PID readings on all carbon drum unit ports. PID readings were also taken at each vapor point location. Attached to this report are the following:

- \* Field Maintenance Logs
- \* Tables
- \* Lab Data
- \* Chain of Custody

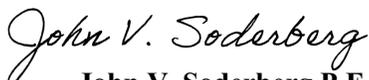
During this on-site inspection personnel did obtain, via a tedlar sample bag, a one liter 30 second grab of the VES effluent emissions point post-carbon filtration. While on site personnel recorded PID readings, air flow concentrations and obtained a stack emission sample via test method TO-15.

\*The next quarterly monitoring and sampling event is scheduled for July 2017.

\* Carbon Drum change-out was performed on October 23, 2015 and November 22, 2016.

\* Quarterly reporting to WCCDOH (Natasha) and NYSDEC (Kiera Thompson) August 10, 2017.

Sincerely,

  
**John V. Soderberg P.E**

cc: Hal Shapiro  
Kiera Thompson (NYSDEC)  
Walter Berninger (BEI)  
Justin Halpin (BEI)

John V. Soderberg P.E  
SVE/SSDS System Monitor and Maintenance

**Site Name:** Schmukler Cleaner **Site# C360088 Index# A3-0542-0306**  
**Address:** New Rochelle , NY Quarterly testing

**Remediation System Present?**  
 Type of System?  
 SVE/SSDS  
 Sampling Date: 04-25-17

**PID Readings, MiniRae 2000, in ppm**  
 Primary Drum: 6.0 Secondary Drum: 2.0  
 Influent Carbon: 2.0 Carbon Middle: 0.0  
**Final Effluent Carbon: 0.0**

**Pressure Readings**  
 Pressure : 2.1 psi  
 Pre motor vac : 21 "VAC

**Sampling Instructions:** 1 - Air sample to American Analytical Lab

**Site Data**

| Wells                 | Air Flow Feet/min | PID ppm |
|-----------------------|-------------------|---------|
| V-1                   | 1280              | 33.4    |
| V-2                   | 1271              | 3.1     |
| V-3                   | 1260              | 0.1     |
| V-4                   | OUT OF REACH      | -       |
| V-5 (downstairs pipe) | 1450              | 2.0     |
| PV-1                  | -                 | 0.0     |
| PV-2                  | -                 | 0.1     |
| PV-3                  | -                 | 0.1     |
| PV-4                  | -                 | 2.8     |
| PV-5                  | -                 | 0.1     |
| PV-6                  | -                 | 0.0     |

\* na=not available

**Site Inspection:**

Was Carbon Drum Replaced ? Y\_x\_N\_\_ 11/22/2016 Was Water Knockout Drum Emptied? Y\_\_N\_x\_\_

Was System Shutdown Warning Light On\_x\_ Off\_\_ How Much Water Was Drained? \_\_0\_gal\_

If Off Why?

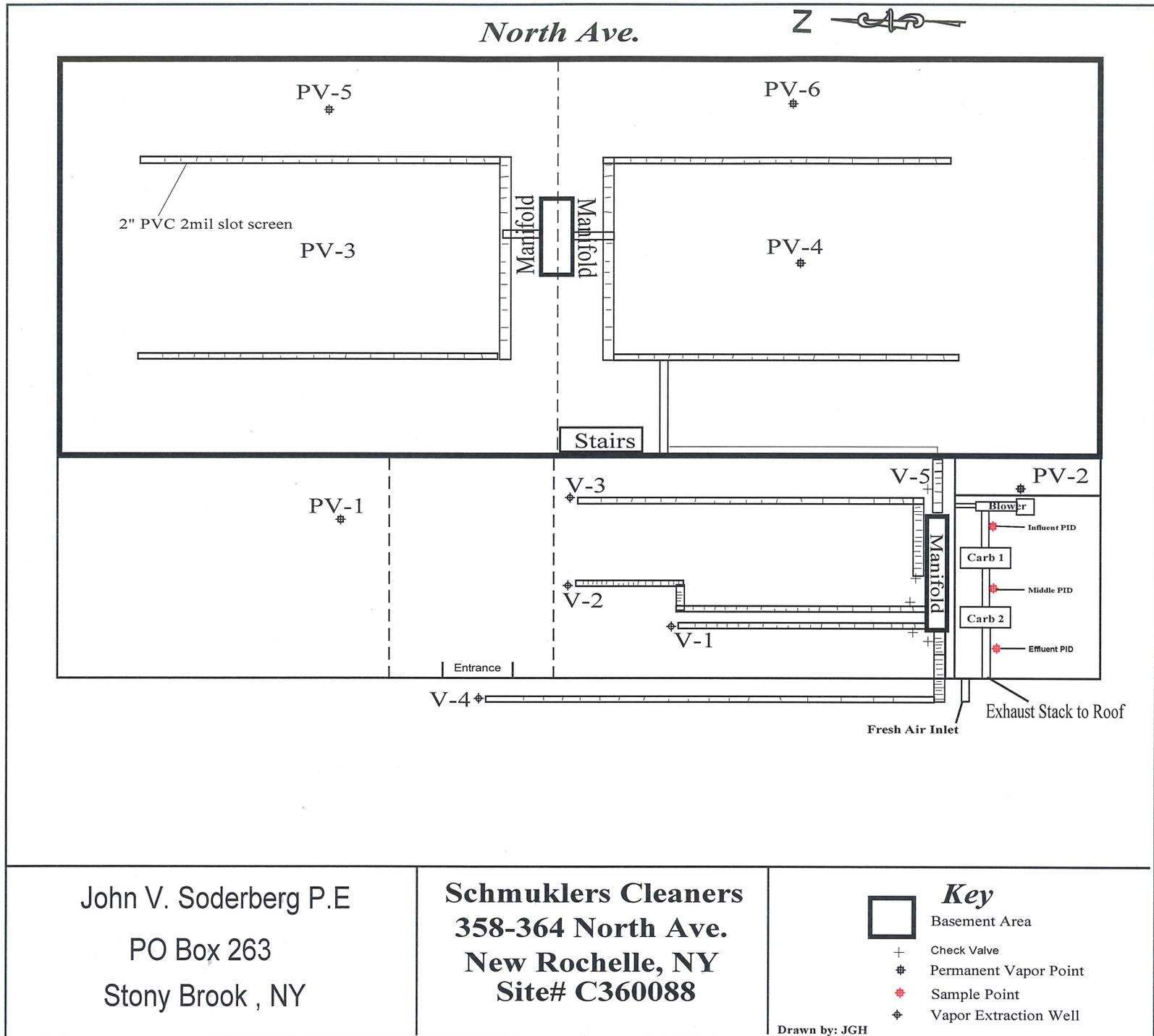
SVE blower under repair during monitoring event. Indicate Any Sampling Procedures: TO-15, 1 - Air Sample

A temporary GP-501 vent fan was substituted in order to perform monitoring/sampling.

Any Visible Signs Of Leaks? no

Sampled by: Joel Meyers

| <b>Schmukler's Cleaners, New Rochelle NY</b>                    |             |               |             |                              |               |             |
|---|-------------|---------------|-------------|------------------------------|---------------|-------------|
| <b>PID Readings For Inf./Eff. Carbon Drum Sample Points ppm</b> |             |               |             |                              |               |             |
|   |             |               |             | Before Drum Replaced         |               |             |
| <b>Date</b>   | <b>INF.</b> | <b>Middle</b> | <b>EFF.</b> | <b>INF.</b>                  | <b>Middle</b> | <b>EFF.</b> |
| 6-Nov-09  | 4.50        | 0.00          | 0.00        |                              |               |             |
| 13-Nov-09   | 7.30        | 0.00          | 0.00        |                              |               |             |
| 20-Nov-09   | 3.50        | 0.00          | 0.00        |                              |               |             |
| 30-Nov-09   | 3.90        | 0.00          | 0.00        |                              |               |             |
| 22-Dec-09   | 5.30        | 0.00          | 0.00        |                              |               |             |
| 18-Jan-10   | 3.50        | 0.00          | 0.00        |                              |               |             |
| 5-Mar-10  | 5.10        | 2.30          | 0.00        |                              |               |             |
| 20-Apr-10   | 2.60        | 0.30          | 0.00        |                              |               |             |
| 12-May-10   | 21.70       | 1.20          | 0.00        |                              |               |             |
| 16-Jun-10   | 20.80       | 1.80          | 0.00        |                              |               |             |
| 6-Jul-10  | 20.40       | 4.70          | 0.00        |                              |               |             |
| 13-Aug-10   | 32.50       | 2.00          | 0.00        |                              |               |             |
| 17-Sep-10   | 89.00       | 0.70          | 0.00        |                              |               |             |
| 11-Oct-10   | 156.00      | 0.80          | 0.00        |                              |               |             |
| 3-Nov-10  | 98.60       | 1.75          | 0.00        |                              |               |             |
| 3-Dec-10  | 145.10      | 2.30          | 0.00        |                              |               |             |
| 3-Jan-11  | 87.42       | 2.60          | 0.00        |                              |               |             |
| 4-Feb-11  | 38.70       | 4.20          | 0.00        |                              |               |             |
| 1-Mar-11  | 92.60       | 7.30          | 0.00        |                              |               |             |
| 4-Apr-11  | 165.00      | 3.30          | 0.00        | 166.00                       | 3.30          | 0.10        |
| 9-May-11  | 18.04       | 0.00          | 0.00        |                              |               |             |
| 24-Jun-11   | 12.10       | 2.90          | 0.00        |                              |               |             |
| 21-Jul-11   | 34.00       | 0.70          | 0.00        |                              |               |             |
| 2-Aug-11  | 40.70       | 0.70          | 0.00        |                              |               |             |
| 13-Sep-11   | 18.10       | 1.40          | 0.00        |                              |               |             |
| 3-Oct-11  | 16.90       | 0.00          | 0.00        |                              |               |             |
| 11-Nov-11   | 42.34       | 0.00          | 0.00        | 50.00                        | 5.60          | 0.20        |
| 5-Dec-11  | 37.40       | 2.30          | 0.00        |                              |               |             |
| 18-Jan-12   | 38.50       | 1.90          | 0.00        |                              |               |             |
| 9-Feb-12  | 40.23       | 0.50          | 0.00        |                              |               |             |
| 22-Mar-12   | 46.80       | 0.90          | 0.00        |                              |               |             |
| 30-Apr-12   | 54.60       | 1.30          | 0.00        |                              |               |             |
| 22-May-12   | 51.30       | 1.70          | 0.00        |                              |               |             |
| 13-Jul-12   | 59.93       | 4.20          | 0.20        |                              |               |             |
| 8-Aug-12  | 61.5        | 1.2           | 0.2         |                              |               |             |
| 6-Sep-12  | 74.3        | 4.5           | 1.1         |                              |               |             |
| 3-Oct-12  | 60.00       | 1.00          | 0.00        | 33.2                         | 18.6          | 3.3         |
| 13-Nov-12   | 51.20       | 6.30          | 0.00        |                              |               |             |
| 6-Dec-12  | 45.60       | 5.30          | 0.00        |                              |               |             |
| 10-Jan-13   | 77.90       | 4.60          | 0.00        |                              |               |             |
| 6-Feb-13  | 28.70       | 2.60          | 0.00        | 32.20                        | 5.60          | 2.40        |
| 11-Mar-13   | 30.00       | 1.10          | 0.00        |                              |               |             |
| 13-Apr-13   | 0.00        | 0.00          | 0.00        |                              |               |             |
| 1-May-13  | 0.00        | 0.00          | 0.00        |                              |               |             |
| 28-Jun-13   | 18.90       | 2.30          | 0.90        |                              |               |             |
| 17-Jul-13   | 49.20       | 2.10          | 0.00        |                              |               |             |
| 8-Aug-13  | 44.90       | 1.50          | 0.00        |                              |               |             |
| 28-Oct-13   | 46.80       | 2.00          | 0.00        |                              |               |             |
| 13-Jan-14   | 111.00      | 1.25          | 0.00        | 116.00                       | 2.10          | 1.90        |
| 10-Apr-14   | 39.00       | 1.50          | 0.00        |                              |               |             |
| 10-Jul-14   | 32.30       | 1.50          | 0.00        |                              |               |             |
| 1-Oct-14  | 2.90        | 1.00          | 0.00        | 2.90                         | 1.40          | 0.90        |
| 30-Jan-15   | 3.20        | 0.40          | 0.00        |                              |               |             |
| 1-Apr-15  | 40.20       | 2.50          | 0.00        |                              |               |             |
| 15-Jul-15   | 37.60       | 1.50          | 0.00        | *carbon change October 2015  |               |             |
| 12-Oct-15   | 35.50       | 5.10          | 0.30        | 35.00                        | 0.00          | 0.00        |
| 26-Jan-16   | 37.20       | 2.20          | 0.00        |                              |               |             |
| 18-Apr-16   | 32.23       | 2.00          | 0.00        |                              |               |             |
| 27-Jul-16   | 12.90       | 1.00          | 0.00        |                              |               |             |
| 21-Oct-16   | 18.40       | 6.20          | 0.00        | *carbon change November 2016 |               |             |
| 31-Jan-17   | 2.70        | 0.00          | 0.00        |                              |               |             |
| 25-Apr-17   | 2.00        | 0.00          | 0.00        |                              |               |             |





American Analytical Laboratories, LLC.  
56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: [www.American-Analytical.com](http://www.American-Analytical.com)

April 27, 2017

Walter Berninger  
WRS d.b.a Berninger Environmental  
17 Old Dock Road  
Yaphank, NY 11980  
TEL: (631) 589-6521  
FAX (631) 589-6528

RE: Schmuckler Dry Cleaners; North Ave, New

Order No.: 1704177

Dear Walter Berninger:

American Analytical Laboratories, LLC. received 1 sample(s) on 4/25/2017 for the analyses presented in the following report.

Samples were analyzed in accordance with the test procedures documented on the chain of custody and detailed throughout the text of this report. The results reported herein relate only to the items tested or to the samples as received by the laboratory. This report may not be reproduced, except in full, without the approval of American Analytical Laboratories, LLC and is not considered complete without a cover page and chain of custody documentation. The limits (LOQ) provided in the data package are analytical reporting limits and not Federal or Local mandated values to which the sample results should be compared.

There were no problems with the analyses and all data for associated QC met laboratory specifications. If there are any exceptions a Case Narrative is provided in the report or the data is qualified either on the sample results or in the QC section of the report. This package has been reviewed by American Analytical Laboratories' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal.

If you have any questions regarding these tests results, please do not hesitate to call (631) 454-6100 or email me directly at [lbeyer@american-analytical.com](mailto:lbeyer@american-analytical.com).

Sincerely,

Lori Beyer  
Lab Director  
American Analytical Laboratories, LLC.



American Analytical Laboratories, LLC.  
56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

**Workorder**  
**Sample Summary**  
WO#: 1704177  
27-Apr-17

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**CLIENT:** WRS d.b.a Berninger Environmental  
**Project:** Schmuckler Dry Cleaners; North Ave, New Roc

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| Lab SampleID | Client Sample ID   | Tag No | Date Collected        | Date Received         | Matrix |
|--------------|--------------------|--------|-----------------------|-----------------------|--------|
| 1704177-001A | VES Stack Emission |        | 4/25/2017 11:30:00 AM | 4/25/2017 12:45:00 PM | Air    |





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 56 Toledo Street  
 Farmingdale, New York 11735  
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 Website: www.American-Analytical.com

# Sample Log-In Check List

Client Name: **Berninger**

Work Order Number: **1704177**

RcptNo: **1**

|               |                    |                              |                    |
|---------------|--------------------|------------------------------|--------------------|
| Logged by:    | <b>Lori Beyer</b>  | <b>4/25/2017 12:45:00 PM</b> | <i>Lori Beyer</i>  |
| Completed By: | <b>Lori Beyer</b>  | <b>4/25/2017 2:17:02 PM</b>  | <i>Lori Beyer</i>  |
| Reviewed By:  | <b>Karen Kelly</b> | <b>4/25/2017</b>             | <i>Karen Kelly</i> |

**Chain of Custody**

1. Is Chain of Custody complete? Yes  No  Not Present   
 2. How was the sample delivered? Client

**Log In**

3. Coolers are present? Yes  No  NA   
 4. Shipping container/cooler in good condition? Yes  No   
 Custody seals intact on shipping container/cooler? Yes  No  Not Present   
 No. Seal Date: Signed By:  
 5. Was an attempt made to cool the samples? Yes  No  NA   
 6. Were all samples received at a temperature of >0° C to 6.0°C Yes  No  NA   
 7. Sample(s) in proper container(s)? Yes  No   
 8. Sufficient sample volume for indicated test(s)? Yes  No   
 9. Are samples (except VOA and ONG) properly preserved? Yes  No   
 10. Was preservative added to bottles? Yes  No  NA   
 11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes  No  No VOA Vials   
 12. Were any sample containers received broken? Yes  No   
 13. Does paperwork match bottle labels? Yes  No   
 (Note discrepancies on chain of custody)  
 14. Are matrices correctly identified on Chain of Custody? Yes  No   
 15. Is it clear what analyses were requested? Yes  No   
 16. Were all holding times able to be met? Yes  No   
 (If no, notify customer for authorization.)

**Special Handling (if applicable)**

17. Was client notified of all discrepancies with this order? Yes  No  NA

|                      |                      |      |   |
|----------------------|----------------------|------|---|
| Person Notified:     | <input type="text"/> | Date | <input type="text"/>  |
| By Whom:             | <input type="text"/> | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding:           | <input type="text"/> |      |   |
| Client Instructions: | <input type="text"/> |      |   |

18. Additional remarks:  
 Tedlar air sample

**Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
|-----------|---------|-----------|-------------|---------|-----------|-----------|



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## Case Narrative

WO#: 1704177  
Date: 4/27/2017

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**CLIENT:** WRS d.b.a Berninger Environmental  
**Project:** Schmuckler Dry Cleaners; North Ave, New Roc

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Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846 and additional methods as detailed throughout the text of the report. All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives with exceptions notated in this Narrative discussion and/or in the QC Summary Section of the lab report with appropriate qualifiers. Additional quality control information such as surrogate recovery values for organic testing is provided as part of the analytical results. Batch MS/MSD results are provided in the QC section of the lab report unless the MS/MSD summary forms indicate one of your sample identifications. MS/MSD results relate only to the parent sample that was spiked.

The test results meet the requirements of the NYSDOH and NELAC standards, except where noted. The information contained in this analytical report is the sole property of American Analytical Laboratories, LLC. or the client for which this report was issued. The results contained in this report are only representative of the samples received. The sample receipt checklist is included as part of this lab report. Conditions can vary at different times and at different sampling conditions. American Analytical is not responsible for the use or interpretation of the data included herein.



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## Definition Only

WO#: 1704177  
Date: 4/27/2017

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### Definitions:

Sample Result and QC Summary Qualifiers - Level I and Level II Reports

ND - Not detected at the reporting limit/Limit of Quantitation

B - The analyte was detected in the associated method blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything  $<5x$  the blank value as artifact.

E - The value is above the quantitation range

D - Analyte concentration was obtained from diluted analysis or from analysis using reduced sample volume.

J - The analyte was detected below the limit of quantitation but greater than the established Limit of Detection (LOD). There is greater uncertainty associated with these results and data should be considered as estimated.

U - The compound was analyzed for but not detected.

H - Holding time for preparation or analysis has been exceeded.

S - Spike recovery is outside accepted recovery limits.

R - RPD is outside accepted recovery range.

P - Secondary column exceeds 40% difference for GC test.

\* - Calibration exceeds method requirement. Due to the large number of analytes for organic testing, the method allows 10% of analytes to have %RSD and/or %D to be  $>20\%$ .

LOD - Limit of Detection; the lowest level the analyte can be determined to be statistically different from a blank.

LOQ - Limit of Quantitation; the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy.

PQL - Practical Quantitation Limit; the lowest level that can be reliably achieved within the specific limits of Precision and accuracy. Listed on the QC Summary Forms.

m - Analyte was manually integrated for GC/MS.

+ - Concentration exceeds regulatory level for TCLP

# American Analytical Laboratories, LLC.

Date: 27-Apr-17

ELAP ID : 11418

|                   |   |                          |                       |
|-------------------|---|--------------------------|-----------------------|
| <b>CLIENT:</b>    | WRS d.b.a Berninger Environmental           | <b>Client Sample ID:</b> | VES Stack Emission    |
| <b>Lab Order:</b> | 1704177                                     | <b>Collection Date:</b>  | 4/25/2017 11:30:00 AM |
| <b>Project:</b>   | Schmuckler Dry Cleaners; North Ave, New Roc | <b>Matrix:</b>           | AIR                   |
| <b>Lab ID:</b>    | 1704177-001A                                |                          |                       |

## Certificate of Results

| Analyses                                 | Sample Result | LOD | LOQ            | Qual           | Units       | DF | Date/Time Analyzed    |
|--|---------------|-----|----------------|----------------|-------------|----|-----------------------|
| <b>VOLATILE SW-846 METHOD 8260 - AIR</b> |               |     | <b>SW8260C</b> | <b>SW5030C</b> | Analyst: LA |    |                       |
| 1,1,1,2-Tetrachloroethane                | ND            | 15  | 29             | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |
| 1,1,1-Trichloroethane                    | ND            | 18  | 37             | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |
| 1,1,2,2-Tetrachloroethane                | ND            | 15  | 29             | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |
| 1,1,2-Trichloro-1,2,2-trifluoroethane    | ND            | 13  | 26             | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |
| 1,1,2-Trichloroethane                    | ND            | 18  | 36             | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |
| 1,1-Dichloroethane                       | ND            | 25  | 49             | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |
| 1,1-Dichloroethene                       | ND            | 25  | 50             | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |
| 1,1-Dichloropropene                      | ND            | 22  | 44             | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |
| 1,2,3-Trichlorobenzene                   | ND            | 14  | 27             | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |
| 1,2,3-Trichloropropane                   | ND            | 17  | 33             | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |
| 1,2,4,5-Tetramethylbenzene               | ND            | 18  | 36             | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |
| 1,2,4-Trichlorobenzene                   | ND            | 14  | 27             | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |
| 1,2,4-Trimethylbenzene                   | ND            | 20  | 41             | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |
| 1,2-Dibromo-3-chloropropane              | ND            | 10  | 21             | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |
| 1,2-Dibromoethane                        | ND            | 13  | 26             | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |
| 1,2-Dichlorobenzene                      | ND            | 17  | 33             | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |
| 1,2-Dichloroethane                       | ND            | 25  | 49             | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |
| 1,2-Dichloropropane                      | ND            | 21  | 43             | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |
| 1,3,5-Trimethylbenzene                   | ND            | 20  | 41             | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |
| 1,3-Dichlorobenzene                      | ND            | 17  | 33             | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |
| 1,3-dichloropropane                      | ND            | 21  | 43             | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |
| 1,4-Dichlorobenzene                      | ND            | 17  | 33             | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |
| 1,4-Dioxane                              | ND            | 28  | 55             | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |
| 2,2-Dichloropropane                      | ND            | 20  | 40             | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |
| 2-Butanone                               | ND            | 68  | 140            | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |
| 2-Chloroethyl vinyl ether                | ND            | 46  | 92             | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |
| 2-Chlorotoluene                          | ND            | 19  | 39             | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |
| 2-Hexanone                               | ND            | 49  | 98             | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |
| 2-Propanol                               | ND            | 40  | 81             | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |
| 4-Chlorotoluene                          | ND            | 19  | 39             | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |
| 4-Isopropyltoluene                       | ND            | 18  | 36             | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |
| 4-Methyl-2-pentanone                     | ND            | 49  | 98             | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |
| Acetone                                  | ND            | 84  | 170            | U              | ppbv        | 1  | 4/26/2017 12:59:00 PM |

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735

Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



Original

# American Analytical Laboratories, LLC.

Date: 27-Apr-17

ELAP ID : 11418

|                   |   |                          |                       |
|-------------------|---|--------------------------|-----------------------|
| <b>CLIENT:</b>    | WRS d.b.a Berninger Environmental           | <b>Client Sample ID:</b> | VES Stack Emission    |
| <b>Lab Order:</b> | 1704177                                     | <b>Collection Date:</b>  | 4/25/2017 11:30:00 AM |
| <b>Project:</b>   | Schmuckler Dry Cleaners; North Ave, New Roc | <b>Matrix:</b>           | AIR                   |
| <b>Lab ID:</b>    | 1704177-001A                                |                          |                       |

## Certificate of Results

| Analyses                                 | Sample Result | LOD | LOQ            | Qual | Units          | DF | Date/Time Analyzed    |
|--|---------------|-----|----------------|------|----------------|----|-----------------------|
| <b>VOLATILE SW-846 METHOD 8260 - AIR</b> |               |     |                |      |                |    |                       |
|  |               |     | <b>SW8260C</b> |      | <b>SW5030C</b> |    | Analyst: LA           |
| Acrolein                                 | ND            | 130 | 260            | U    | ppbv           | 1  | 4/26/2017 12:59:00 PM |
| Acrylonitrile                            | ND            | 46  | 92             | U    | ppbv           | 1  | 4/26/2017 12:59:00 PM |
| Benzene                                  | ND            | 31  | 63             | U    | ppbv           | 1  | 4/26/2017 12:59:00 PM |
| Bromobenzene                             | ND            | 15  | 31             | U    | ppbv           | 1  | 4/26/2017 12:59:00 PM |
| Bromochloromethane                       | ND            | 19  | 38             | U    | ppbv           | 1  | 4/26/2017 12:59:00 PM |
| Bromodichloromethane                     | ND            | 15  | 30             | U    | ppbv           | 1  | 4/26/2017 12:59:00 PM |
| Bromoform                                | ND            | 10  | 19             | U    | ppbv           | 1  | 4/26/2017 12:59:00 PM |
| Bromomethane                             | ND            | 25  | 51             | U    | ppbv           | 1  | 4/26/2017 12:59:00 PM |
| Carbon disulfide                         | ND            | 32  | 34             | U    | ppbv           | 1  | 4/26/2017 12:59:00 PM |
| Carbon tetrachloride                     | ND            | 16  | 32             | U    | ppbv           | 1  | 4/26/2017 12:59:00 PM |
| Chlorobenzene                            | ND            | 22  | 44             | U    | ppbv           | 1  | 4/26/2017 12:59:00 PM |
| Chlorodifluoromethane                    | ND            | 28  | 57             | U    | ppbv           | 1  | 4/26/2017 12:59:00 PM |
| Chloroethane                             | ND            | 38  | 76             | U    | ppbv           | 1  | 4/26/2017 12:59:00 PM |
| Chloroform                               | ND            | 20  | 41             | U    | ppbv           | 1  | 4/26/2017 12:59:00 PM |
| Chloromethane                            | ND            | 48  | 96             | U    | ppbv           | 1  | 4/26/2017 12:59:00 PM |
| cis-1,2-Dichloroethene                   | ND            | 25  | 50             | U    | ppbv           | 1  | 4/26/2017 12:59:00 PM |
| cis-1,3-Dichloropropene                  | ND            | 25  | 50             | U    | ppbv           | 1  | 4/26/2017 12:59:00 PM |
| Dibromochloromethane                     | ND            | 12  | 24             | U    | ppbv           | 1  | 4/26/2017 12:59:00 PM |
| Dibromomethane                           | ND            | 14  | 28             | U    | ppbv           | 1  | 4/26/2017 12:59:00 PM |
| Dichlorodifluoromethane                  | ND            | 20  | 40             | U    | ppbv           | 1  | 4/26/2017 12:59:00 PM |
| Diisopropyl ether                        | ND            | 24  | 48             | U    | ppbv           | 1  | 4/26/2017 12:59:00 PM |
| Ethanol                                  | ND            | 150 | 300            | U    | ppbv           | 1  | 4/26/2017 12:59:00 PM |
| Ethyl acetate                            | ND            | 28  | 55             | U    | ppbv           | 1  | 4/26/2017 12:59:00 PM |
| Ethylbenzene                             | ND            | 23  | 46             | U    | ppbv           | 1  | 4/26/2017 12:59:00 PM |
| Freon-114                                | ND            | 14  | 29             | U    | ppbv           | 1  | 4/26/2017 12:59:00 PM |
| Hexachlorobutadiene                      | ND            | 10  | 19             | U    | ppbv           | 1  | 4/26/2017 12:59:00 PM |
| Isopropyl acetate                        | ND            | 14  | 48             | U    | ppbv           | 1  | 4/26/2017 12:59:00 PM |
| Isopropylbenzene                         | ND            | 20  | 41             | U    | ppbv           | 1  | 4/26/2017 12:59:00 PM |
| m,p-Xylene                               | ND            | 46  | 92             | U    | ppbv           | 1  | 4/26/2017 12:59:00 PM |
| Methyl tert-butyl ether                  | ND            | 28  | 55             | U    | ppbv           | 1  | 4/26/2017 12:59:00 PM |
| Methylene chloride                       | 2100          | 29  | 58             | B    | ppbv           | 1  | 4/26/2017 12:59:00 PM |
| n-Amyl acetate                           | ND            | 19  | 38             | U    | ppbv           | 1  | 4/26/2017 12:59:00 PM |
| n-Butyl acetate                          | ND            | 21  | 42             | U    | ppbv           | 1  | 4/26/2017 12:59:00 PM |

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Original

# American Analytical Laboratories, LLC.

Date: 27-Apr-17

ELAP ID : 11418

|                   |   |                          |                       |
|-------------------|---|--------------------------|-----------------------|
| <b>CLIENT:</b>    | WRS d.b.a Berninger Environmental           | <b>Client Sample ID:</b> | VES Stack Emission    |
| <b>Lab Order:</b> | 1704177                                     | <b>Collection Date:</b>  | 4/25/2017 11:30:00 AM |
| <b>Project:</b>   | Schmuckler Dry Cleaners; North Ave, New Roc | <b>Matrix:</b>           | AIR                   |
| <b>Lab ID:</b>    | 1704177-001A                                |                          |                       |

## Certificate of Results

| Analyses                                 | Sample Result | LOD | LOQ            | Qual           | Units | DF | Date/Time Analyzed    |
|--|---------------|-----|----------------|----------------|-------|----|-----------------------|
| <b>VOLATILE SW-846 METHOD 8260 - AIR</b> |               |     | <b>SW8260C</b> | <b>SW5030C</b> |       |    | Analyst: LA           |
| n-Butylbenzene                           | ND            | 18  | 36             | U              | ppbv  | 1  | 4/26/2017 12:59:00 PM |
| n-Propyl acetate                         | ND            | 24  | 48             | U              | ppbv  | 1  | 4/26/2017 12:59:00 PM |
| n-Propylbenzene                          | ND            | 20  | 41             | U              | ppbv  | 1  | 4/26/2017 12:59:00 PM |
| Naphthalene                              | ND            | 19  | 38             | U              | ppbv  | 1  | 4/26/2017 12:59:00 PM |
| o-Xylene                                 | ND            | 23  | 46             | U              | ppbv  | 1  | 4/26/2017 12:59:00 PM |
| p-Diethylbenzene                         | ND            | 18  | 36             | U              | ppbv  | 1  | 4/26/2017 12:59:00 PM |
| p-Ethyltoluene                           | ND            | 20  | 41             | U              | ppbv  | 1  | 4/26/2017 12:59:00 PM |
| sec-Butylbenzene                         | ND            | 18  | 36             | U              | ppbv  | 1  | 4/26/2017 12:59:00 PM |
| Styrene                                  | ND            | 23  | 47             | U              | ppbv  | 1  | 4/26/2017 12:59:00 PM |
| t-Butyl alcohol                          | ND            | 33  | 66             | U              | ppbv  | 1  | 4/26/2017 12:59:00 PM |
| tert-Butylbenzene                        | ND            | 18  | 36             | U              | ppbv  | 1  | 4/26/2017 12:59:00 PM |
| Tetrachloroethene                        | ND            | 14  | 29             | U              | ppbv  | 1  | 4/26/2017 12:59:00 PM |
| Toluene                                  | ND            | 26  | 53             | U              | ppbv  | 1  | 4/26/2017 12:59:00 PM |
| trans-1,2-Dichloroethene                 | ND            | 25  | 50             | U              | ppbv  | 1  | 4/26/2017 12:59:00 PM |
| trans-1,3-Dichloropropene                | ND            | 22  | 44             | U              | ppbv  | 1  | 4/26/2017 12:59:00 PM |
| Trichloroethene                          | ND            | 18  | 37             | U              | ppbv  | 1  | 4/26/2017 12:59:00 PM |
| Trichlorofluoromethane                   | ND            | 18  | 36             | U              | ppbv  | 1  | 4/26/2017 12:59:00 PM |
| Vinyl acetate                            | ND            | 28  | 57             | U              | ppbv  | 1  | 4/26/2017 12:59:00 PM |
| Vinyl chloride                           | ND            | 39  | 78             | U              | ppbv  | 1  | 4/26/2017 12:59:00 PM |
| Xylenes, Total                           | ND            | 69  | 140            | U              | ppbv  | 1  | 4/26/2017 12:59:00 PM |
| Surr: 4-Bromofluorobenzene               | 98.9          | 0   | 62-132         |                | %Rec  | 1  | 4/26/2017 12:59:00 PM |
| Surr: Dibromofluoromethane               | 92.9          | 0   | 72-131         |                | %Rec  | 1  | 4/26/2017 12:59:00 PM |
| Surr: Toluene-d8                         | 101           | 0   | 58-131         |                | %Rec  | 1  | 4/26/2017 12:59:00 PM |

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# QC SUMMARY REPORT

WO#: 1704177  
 27-Apr-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmuckler Dry Cleaners; North Ave, New Roc

**BatchID:** 13533

| Sample ID                  | LCS-13533 | SampType: | LCS       | TestCode:   | 8260_AIR | Units:   | ppbv      | Prep Date:     | 4/26/2017 | RunNo:   | 23994  |
|----------------------------|-----------|-----------|-----------|-------------|----------|----------|-----------|----------------|-----------|----------|--------|
| Client ID:                 | LCSW      | Batch ID: | 13533     | TestNo:     | SW8260C  | SW5030C  |           | Analysis Date: | 4/26/2017 | SeqNo:   | 441385 |
| Analyte                    | Result    | PQL       | SPK value | SPK Ref Val | %REC     | LowLimit | HighLimit | RPD Ref Val    | %RPD      | RPDLimit | Qual   |
| 1,1-Dichloroethene         | 16000     | 50        | 20040     | 0           | 80.7     | 40       | 130       |                |           |          |        |
| Benzene                    | 12000     | 63        | 15670     | 0           | 73.6     | 40       | 125       |                |           |          |        |
| Chlorobenzene              | 7900      | 44        | 10920     | 0           | 72.3     | 42       | 121       |                |           |          |        |
| Ethylbenzene               | 10000     | 46        | 13170     | 0           | 76.7     | 41       | 124       |                |           |          |        |
| Tetrachloroethene          | 5000      | 29        | 7364      | 0           | 68.5     | 34       | 120       |                |           |          |        |
| Toluene                    | 10000     | 53        | 13430     | 0           | 74.1     | 49       | 126       |                |           |          |        |
| Trichloroethene            | 7100      | 37        | 9404      | 0           | 75.3     | 50       | 121       |                |           |          |        |
| Surr: 4-Bromofluorobenzene | 6900      |           | 7026      |             | 97.8     | 62       | 132       |                |           |          |        |
| Surr: Dibromofluoromethane | 11000     |           | 10820     |             | 100      | 72       | 131       |                |           |          |        |
| Surr: Toluene-d8           | 13000     |           | 12470     |             | 100      | 58       | 131       |                |           |          |        |

| Sample ID                             | MB-13533 | SampType: | MBLK      | TestCode:   | 8260_AIR | Units:   | ppbv      | Prep Date:     | 4/26/2017 | RunNo:   | 23994  |
|---------------------------------------|----------|-----------|-----------|-------------|----------|----------|-----------|----------------|-----------|----------|--------|
| Client ID:                            | PBW      | Batch ID: | 13533     | TestNo:     | SW8260C  | SW5030C  |           | Analysis Date: | 4/26/2017 | SeqNo:   | 441385 |
| Analyte                               | Result   | PQL       | SPK value | SPK Ref Val | %REC     | LowLimit | HighLimit | RPD Ref Val    | %RPD      | RPDLimit | Qual   |
| 1,1,1,2-Tetrachloroethane             | ND       | 29        |           |             |          |          |           |                |           |          | U      |
| 1,1,1-Trichloroethane                 | ND       | 37        |           |             |          |          |           |                |           |          | U      |
| 1,1,2,2-Tetrachloroethane             | ND       | 29        |           |             |          |          |           |                |           |          | U      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND       | 26        |           |             |          |          |           |                |           |          | U      |
| 1,1,2-Trichloroethane                 | ND       | 36        |           |             |          |          |           |                |           |          | U      |
| 1,1-Dichloroethane                    | ND       | 49        |           |             |          |          |           |                |           |          | U      |
| 1,1-Dichloroethene                    | ND       | 50        |           |             |          |          |           |                |           |          | U      |
| 1,1-Dichloropropene                   | ND       | 44        |           |             |          |          |           |                |           |          | U      |
| 1,2,3-Trichlorobenzene                | ND       | 27        |           |             |          |          |           |                |           |          | U      |
| 1,2,3-Trichloropropane                | ND       | 33        |           |             |          |          |           |                |           |          | U      |

**Qualifiers:** S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as specified at testcode



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# QC SUMMARY REPORT

WO#: 1704177  
 27-Apr-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmuckler Dry Cleaners; North Ave, New Roc

**BatchID:** 13533

| Sample ID                   | <b>MB-13533</b> | SampType: | <b>MBLK</b>  | TestCode:   | <b>8260_AIR</b> | Units:         | <b>ppbv</b> | Prep Date:     | <b>4/26/2017</b> | RunNo:   | <b>23994</b>  |
|-----------------------------|-----------------|-----------|--------------|-------------|-----------------|----------------|-------------|----------------|------------------|----------|---------------|
| Client ID:                  | <b>PBW</b>      | Batch ID: | <b>13533</b> | TestNo:     | <b>SW8260C</b>  | <b>SW5030C</b> |             | Analysis Date: | <b>4/26/2017</b> | SeqNo:   | <b>441386</b> |
| Analyte                     | Result          | PQL       | SPK value    | SPK Ref Val | %REC            | LowLimit       | HighLimit   | RPD Ref Val    | %RPD             | RPDLimit | Qual          |
| 1,2,4,5-Tetramethylbenzene  | ND              | 36        |              |             |                 |                |             |                |                  |          | U             |
| 1,2,4-Trichlorobenzene      | ND              | 27        |              |             |                 |                |             |                |                  |          | U             |
| 1,2,4-Trimethylbenzene      | ND              | 41        |              |             |                 |                |             |                |                  |          | U             |
| 1,2-Dibromo-3-chloropropane | ND              | 21        |              |             |                 |                |             |                |                  |          | U             |
| 1,2-Dibromoethane           | ND              | 26        |              |             |                 |                |             |                |                  |          | U             |
| 1,2-Dichlorobenzene         | ND              | 33        |              |             |                 |                |             |                |                  |          | U             |
| 1,2-Dichloroethane          | ND              | 49        |              |             |                 |                |             |                |                  |          | U             |
| 1,2-Dichloropropane         | ND              | 43        |              |             |                 |                |             |                |                  |          | U             |
| 1,3,5-Trimethylbenzene      | ND              | 41        |              |             |                 |                |             |                |                  |          | U             |
| 1,3-Dichlorobenzene         | ND              | 33        |              |             |                 |                |             |                |                  |          | U             |
| 1,3-dichloropropane         | ND              | 43        |              |             |                 |                |             |                |                  |          | U             |
| 1,4-Dichlorobenzene         | ND              | 33        |              |             |                 |                |             |                |                  |          | U             |
| 1,4-Dioxane                 | ND              | 55        |              |             |                 |                |             |                |                  |          | U             |
| 2,2-Dichloropropane         | ND              | 40        |              |             |                 |                |             |                |                  |          | U             |
| 2-Butanone                  | ND              | 140       |              |             |                 |                |             |                |                  |          | U             |
| 2-Chloroethyl vinyl ether   | ND              | 92        |              |             |                 |                |             |                |                  |          | U             |
| 2-Chlorotoluene             | ND              | 39        |              |             |                 |                |             |                |                  |          | U             |
| 2-Hexanone                  | ND              | 98        |              |             |                 |                |             |                |                  |          | U             |
| 2-Propanol                  | ND              | 81        |              |             |                 |                |             |                |                  |          | U             |
| 4-Chlorotoluene             | ND              | 39        |              |             |                 |                |             |                |                  |          | U             |
| 4-Isopropyltoluene          | ND              | 36        |              |             |                 |                |             |                |                  |          | U             |
| 4-Methyl-2-pentanone        | ND              | 98        |              |             |                 |                |             |                |                  |          | U             |
| Acetone                     | ND              | 170       |              |             |                 |                |             |                |                  |          | U             |
| Acrolein                    | ND              | 260       |              |             |                 |                |             |                |                  |          | U             |
| Acrylonitrile               | ND              | 92        |              |             |                 |                |             |                |                  |          | U             |
| Benzene                     | ND              | 63        |              |             |                 |                |             |                |                  |          | U             |

**Qualifiers:** S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as specified at testcode



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# QC SUMMARY REPORT

WO#: 1704177

27-Apr-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmuckler Dry Cleaners; North Ave, New Roc

**BatchID:** 13533

| Sample ID               | MB-13533 | SampType: | MBLK      | TestCode:   | 8260_AIR | Units:   | ppbv      | Prep Date:     | 4/26/2017 | RunNo:   | 23994  |
|-------------------------|----------|-----------|-----------|-------------|----------|----------|-----------|----------------|-----------|----------|--------|
| Client ID:              | PBW      | Batch ID: | 13533     | TestNo:     | SW8260C  | SW5030C  |           | Analysis Date: | 4/26/2017 | SeqNo:   | 441386 |
| Analyte                 | Result   | PQL       | SPK value | SPK Ref Val | %REC     | LowLimit | HighLimit | RPD Ref Val    | %RPD      | RPDLimit | Qual   |
| Bromobenzene            | ND       | 31        |           |             |          |          |           |                |           |          | U      |
| Bromochloromethane      | ND       | 38        |           |             |          |          |           |                |           |          | U      |
| Bromodichloromethane    | ND       | 30        |           |             |          |          |           |                |           |          | U      |
| Bromoform               | ND       | 19        |           |             |          |          |           |                |           |          | U      |
| Bromomethane            | ND       | 51        |           |             |          |          |           |                |           |          | U      |
| Carbon disulfide        | ND       | 34        |           |             |          |          |           |                |           |          | U      |
| Carbon tetrachloride    | ND       | 32        |           |             |          |          |           |                |           |          | U      |
| Chlorobenzene           | ND       | 44        |           |             |          |          |           |                |           |          | U      |
| Chlorodifluoromethane   | ND       | 57        |           |             |          |          |           |                |           |          | U      |
| Chloroethane            | ND       | 76        |           |             |          |          |           |                |           |          | U      |
| Chloroform              | ND       | 41        |           |             |          |          |           |                |           |          | U      |
| Chloromethane           | ND       | 96        |           |             |          |          |           |                |           |          | U      |
| cis-1,2-Dichloroethene  | ND       | 50        |           |             |          |          |           |                |           |          | U      |
| cis-1,3-Dichloropropene | ND       | 50        |           |             |          |          |           |                |           |          | U      |
| Dibromochloromethane    | ND       | 24        |           |             |          |          |           |                |           |          | U      |
| Dibromomethane          | ND       | 28        |           |             |          |          |           |                |           |          | U      |
| Dichlorodifluoromethane | ND       | 40        |           |             |          |          |           |                |           |          | U      |
| Diisopropyl ether       | ND       | 48        |           |             |          |          |           |                |           |          | U      |
| Ethanol                 | ND       | 300       |           |             |          |          |           |                |           |          | U      |
| Ethyl acetate           | ND       | 55        |           |             |          |          |           |                |           |          | U      |
| Ethylbenzene            | ND       | 46        |           |             |          |          |           |                |           |          | U      |
| Freon-114               | ND       | 29        |           |             |          |          |           |                |           |          | U      |
| Hexachlorobutadiene     | ND       | 19        |           |             |          |          |           |                |           |          | U      |
| Isopropyl acetate       | ND       | 48        |           |             |          |          |           |                |           |          | U      |
| Isopropylbenzene        | ND       | 41        |           |             |          |          |           |                |           |          | U      |
| m,p-Xylene              | ND       | 92        |           |             |          |          |           |                |           |          | U      |

**Qualifiers:** S Spike Recovery outside accepted recovery limits

W Sample container temperature is out of limit as specified at testcode



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# QC SUMMARY REPORT

WO#: 1704177  
 27-Apr-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmuckler Dry Cleaners; North Ave, New Roc

**BatchID:** 13533

| Sample ID                  | MB-13533 | SampType: | MBLK      | TestCode:   | 8260_AIR | Units:   | ppbv      | Prep Date:     | 4/26/2017 | RunNo:   | 23994  |
|----------------------------|----------|-----------|-----------|-------------|----------|----------|-----------|----------------|-----------|----------|--------|
| Client ID:                 | PBW      | Batch ID: | 13533     | TestNo:     | SW8260C  | SW5030C  |           | Analysis Date: | 4/26/2017 | SeqNo:   | 441386 |
| Analyte                    | Result   | PQL       | SPK value | SPK Ref Val | %REC     | LowLimit | HighLimit | RPD Ref Val    | %RPD      | RPDLimit | Qual   |
| Methyl tert-butyl ether    | ND       | 55        |           |             |          |          |           |                |           |          | U      |
| Methylene chloride         | 3300     | 58        |           |             |          |          |           |                |           |          |        |
| n-Amyl acetate             | ND       | 38        |           |             |          |          |           |                |           |          | U      |
| n-Butyl acetate            | ND       | 42        |           |             |          |          |           |                |           |          | U      |
| n-Butylbenzene             | ND       | 36        |           |             |          |          |           |                |           |          | U      |
| n-Propyl acetate           | ND       | 48        |           |             |          |          |           |                |           |          | U      |
| n-Propylbenzene            | ND       | 41        |           |             |          |          |           |                |           |          | U      |
| Naphthalene                | ND       | 38        |           |             |          |          |           |                |           |          | U      |
| o-Xylene                   | ND       | 46        |           |             |          |          |           |                |           |          | U      |
| p-Diethylbenzene           | ND       | 36        |           |             |          |          |           |                |           |          | U      |
| p-Ethyltoluene             | ND       | 41        |           |             |          |          |           |                |           |          | U      |
| sec-Butylbenzene           | ND       | 36        |           |             |          |          |           |                |           |          | U      |
| Styrene                    | ND       | 47        |           |             |          |          |           |                |           |          | U      |
| t-Butyl alcohol            | ND       | 66        |           |             |          |          |           |                |           |          | U      |
| tert-Butylbenzene          | ND       | 36        |           |             |          |          |           |                |           |          | U      |
| Tetrachloroethene          | ND       | 29        |           |             |          |          |           |                |           |          | U      |
| Toluene                    | ND       | 53        |           |             |          |          |           |                |           |          | U      |
| trans-1,2-Dichloroethene   | ND       | 50        |           |             |          |          |           |                |           |          | U      |
| trans-1,3-Dichloropropene  | ND       | 44        |           |             |          |          |           |                |           |          | U      |
| Trichloroethene            | ND       | 37        |           |             |          |          |           |                |           |          | U      |
| Trichlorofluoromethane     | ND       | 36        |           |             |          |          |           |                |           |          | U      |
| Vinyl acetate              | ND       | 57        |           |             |          |          |           |                |           |          | U      |
| Vinyl chloride             | ND       | 78        |           |             |          |          |           |                |           |          | U      |
| Xylenes, Total             | ND       | 140       |           |             |          |          |           |                |           |          | U      |
| Surr: 4-Bromofluorobenzene | 6900     |           | 7026      |             | 98.6     | 62       | 132       |                |           |          |        |
| Surr: Dibromofluoromethane | 11000    |           | 10820     |             | 98.9     | 72       | 131       |                |           |          |        |

**Qualifiers:** S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as specified at testcode



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# QC SUMMARY REPORT

WO#: 1704177  
27-Apr-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmuckler Dry Cleaners; North Ave, New Roc

**BatchID:** 13533

|                  |                 |           |              |           |                 |                |             |                |                  |             |               |          |      |
|------------------|-----------------|-----------|--------------|-----------|-----------------|----------------|-------------|----------------|------------------|-------------|---------------|----------|------|
| Sample ID        | <b>MB-13533</b> | SampType: | <b>MBLK</b>  | TestCode: | <b>8260_AIR</b> | Units:         | <b>ppbv</b> | Prep Date:     | <b>4/26/2017</b> | RunNo:      | <b>23994</b>  |          |      |
| Client ID:       | <b>PBW</b>      | Batch ID: | <b>13533</b> | TestNo:   | <b>SW8260C</b>  | <b>SW5030C</b> |             | Analysis Date: | <b>4/26/2017</b> | SeqNo:      | <b>441386</b> |          |      |
| Analyte          |                 | Result    |              | PQL       | SPK value       | SPK Ref Val    | %REC        | LowLimit       | HighLimit        | RPD Ref Val | %RPD          | RPDLimit | Qual |
| Surr: Toluene-d8 |                 | 12000     |              |           | 12470           |                | 99.0        | 58             | 131              |             |               |          |      |

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