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February 13, 2017

Mrs. Kiera Thompson  
Division of Environmental Remediation  
NYS Department of Environmental Conservation  
625 Broadway, 11th Floor  
Albany, NY 12233-7014

Re: Schmukler's Dry Cleaners--Site No. C360088  
Brownfield Cleanup Agreement  
City of New Rochelle, Westchester County

Dear Mrs Thompson,

This correspondence is a summary of bi-annual sampling activities conducted at the Schmukler's Cleaners' site located at 358-364 North Avenue, New Rochelle, New York (area & site map included as Figure-1 and Figure-2). The sampling activities were conducted on January 31, 2017 and included: well gauging, well sampling and testing. Field parameters were also recorded, which included sampling for dissolved oxygen (D.O), pH, temperature, conductivity and oxygen reduction potential (ORP).

A site map was developed depicting the groundwater flow direction (Figure-2) and separate tables are included listing the Depth to Groundwater (DTW) measurements and field parameter readings. (Table-1 and Table-2).

### **Quarterly Monitoring and Sampling**

The latest monitoring/sampling event was conducted on January 31, 2017, which included the following activities:

- DTW measurements on monitoring wells (11 wells)
- Field parameter readings
- Purging and sampling of on/off-site groundwater monitoring wells;
- Testing of wells by EPA method 8260C (8270BN MW-11 and 12)
- Preparation of summary report;

At the time of the sampling, depth to groundwater across the subject property was measured between 4.36' ft. (basement MW-11) and 13.13 ft. bgs (BW-4). As indicated on the attached Table 1, no free phase LNAPL was detected in BW-4 this quarter. The water table elevation measurements were used to prepare the site specific groundwater flow map (Figure 2). Based upon prior site data and past survey data using five (5) key wells (BW-1-4 and MW-1) the flow direction was determined to continue to flow to the southeast.

### **Dissolved Oxygen**

Dissolved oxygen (D O) was recorded at each well location. D.O. measurements ranged from 1.05 mg/l in MW-12 to 5.25 mg/l in MW-9. Additional parameters such as pH, temperature, conductivity and ORP were also gauged at each well location. Please see Table-2.

### **Groundwater Sampling**

Subsequent to the recording of groundwater measurements, the monitoring wells were adequately purged then sampled for VOCs via method 8260C and SVOCs via method 8270BN (MW-11 and 12). The samples were analyzed by American Analytical Laboratories, a NYSDOH-ELAP certified laboratory under appropriate chain of custody protocols. Laboratory data summary sheets are provided as Table-3. Certified lab results are attached as Appendix-A.

The results of the laboratory analysis were compared to NYSDEC Class GA Groundwater Standards and Guidance Values (SGVs) set forth in the Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 reissued June 1998, addenda April 2000 and June 2004. Chlorinated constituents tetrachloroethene (PCE), trichloroethene (TCE) and dichloroethene (1,2 DCE) all have a groundwater standard of 5 *ppb* and Vinyl Chloride (VC) has a standard of 2 *ppb*. Quarterly sampling results are summarized in Table-3, which report the presence of chlorinated VOCs and fuel oil SVOCs detected. Detections recorded above the TOGS groundwater standards are highlighted on Table-3.

VOCs were present above the TOGS standards for groundwater in monitoring wells: MW-3, MW-9 and BW-4. MW-3 had PCE concentrations of 13,000 *ppb*, TCE at 1,700 *ppb*, 1,2-DCE at 1,311 and VC at 50 *ppb*. MW-9 detected PCE at 100 *ppb*, TCE at 1 *ppb* and DCE at <1 *ppb*. BW-4 had PCE concentrations of 32 *ppb*, TCE at 3 *ppb*, 1,2-DCE at 2 *ppb* and VC was not detected. Approximately 2" of floating fuel oil was observed in BW-4 during sampling. Plans to begin removal of LNAPL, starting with bailing of the well will be considered during the next sampling event.

### **Pilot Study Work Plan (PSWP)**

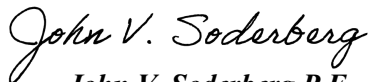
The PSWP was implemented during July of 2015 in order to address on-site groundwater contamination consisting mainly of chlorinated constituents. The PSWP was focused on MW-3, which is located in the former dry-cleaning equipment room, where a majority of the groundwater contamination exists from historic site use. A Pilot Study Report (PSR) was drafted during January of 2016 documenting the effectiveness of

the PSWP. The results of the study concluded that a downward trend in groundwater contamination was observed in MW-3 and the surrounding wells effected by the treatment. Based on the results documented in the PSR, it was determined that the treatment is suitable to be implemented as a full scale remedy.

### **Conclusions**

Based upon the results of the January 2017 quarterly groundwater sampling event, the following conclusions and recommendations have been noted: Based upon the results of the PSWP, moving toward implementing this treatment as a full scale remedy is being considered through an Alternatives Analysis (AA). In the meantime my personnel will continue to monitor downward trends in groundwater contamination at the site. The next bi-annual sampling event is scheduled for July 2017. Should you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

  
**John V. Soderberg P.E**

cc Hal Shapiro (client)  
Walter Berninger (BEI)  
Justin Halpin (BEI)  
Melissa Doroski (NYSDOH)

# FIGURES



- ⊕ -Application Well Location MW-3
- ⊕ -Viable Existing Monitoring Well
- ⊕ -Bedrock Monitoring Well
- ⊕ -New Pilot Study Monitoring Well Locations
- ⊕ -Non-Viable Existing Monitoring Well
- Study Area

**Monitoring  
Well Locations  
Figure-1**

Schmuklers Cleaners  
358 - 364 North Avenue  
New Rochelle, NY  
Site #C360088  
Index# A3-0542-0306

John V. Soderberg P.E  
P.O Box 263  
Stony Brook, NY

Drawn: JGH





KEY:

Ground Elev.' 78 asl'

Tran. Height' 5.02'

Shooting Elev.' 83.02'

 elevation contour

 monitoring well  
with water table elevation

Data	BW-1	BW-2	BW-3	BW-4	MW-1
Casing Elev.'	78.03	75.93	77.01	75.01	79.79
DTW'	9.78	10.19	9.88	10.71	13.12
Elevation W.T	68.25'	65.74	67.13	64.30	66.67

Groundwater Flow  
Model  
**Figure- 2**

John V. Soderberg  
PO Box 263  
Stony Brook, NY

# TABLES

**Table 1**  
**MONITORING WELL MEASUREMENTS**  
**Schmuklers Cleaners**  
**358 North Avenue**  
**New Rochelle, NY**  
**Site No.: C-360088**

**January 2017**

<b>Well No.</b>	<b>DTW</b>	<b>DTP</b>	<b>Dissolved Oxygen (ppm)</b>
MW-1	12.31		2.79
MW-2	G		
MW-3	12.14		2.42
MW-4	D		
MW-5	D		
MW-6	D		
MW-7	11.94		3.16
MW-8	11.99		2.19
MW-9	11.95		5.25
MW-10	11.91		3.47
MW11	4.36		1.26
MW-12	4.57		1.05
BW-1	10.23		1.27
BW-2	12.17		1.41
BW-3	C		
BW-4	13.13		2.18

**Abbreviation Key**

DTW - Depth to Water from Casing (ft)  
DTP - Depth to Product from Casing (ft)  
PT - Product Thickness (ft)  
T - Trace Product

D - Dry  
C - Cannot Locate  
G - Gone / Destroyed  
n/d - non-detect

V - Disabled Vehicle over Well  
R - Recovery Pump in Well  
n/s - not sampled



Site Name: Schmuklers Cleaners

Groundwater Data Collection Form

Date: January 31, 2017

Table-2

Sampler: Butch and Eusi

Well	DTW	D.O	Cond.	ORP	PH	TEMP
MW-1	12.31	2.79	501	1.56	7.14	52
MW-2	GONE					
MW-3	12.14	2.42	1561	-106	6.81	58
MW-4	DRY					
MW-5	DRY					
MW-6	DRY					
MW-7	11.94	3.16	596	-82	7.04	52
MW-8	11.99	2.19	765	46	7.19	55
MW-9	11.95	5.25	376	176	7.04	53
MW-10	11.91	3.47	729	-87	6.96	55
MW-11*	4.36	1.26	814	-136	7.14	57
MW-12*	4.57	1.05	767	-142	7.1	58
BW-1	10.23	1.27	3742	118	6.74	52
BW-2	12.17	1.41	3779	124	6.59	52
BW-3	COVERED					
BW-4	13.13	2.18	325	-109	6.84	52

\*basement wells

Schmukler's Cleaners  
 358-364 North Ave.  
 New Rochelle, NY  
 As of January 2017  
 Table-3

MW-1	DTW	PCE	TCE	Total DCE	VC
Jan-17	12.31	1	n/d	n/d	n/d
Oct-16	12.2	1	n/d	n/d	n/d
Jul-16	12.27	1.2	n/d	n/d	n/d
Apr-16	11.89	0.8	n/d	n/d	n/d
Jan-16	12.26	2.3	n/d	n/d	n/d

MW-2	DTW	PCE	TCE	Total DCE	VC
Jan-17	GONE				
Oct-16	GONE				
Jul-16	GONE				
Apr-16	GONE				
Jan-16	GONE				

MW-3	DTW	PCE	TCE	Total DCE	VC
Jan-17	12.14	13,000	1,700	1,311	50
Oct-16	12	5,200	1,900	977	23
Jul-16	12.05	17,000	2,200	780	19
Apr-16	11.61	8,500	3,400	1,527	64
Jan-16	12.29	18,000	7,300	2,324	99

MW-4	DTW	PCE	TCE	Total DCE	VC
Jan-17	DRY				
Oct-16	DRY				
Jul-16	DRY				
Apr-16	DRY				
Jan-16	DRY	—	—	—	—

MW-5	DTW	PCE	TCE	Total DCE	VC
Jan-17	DRY				
Oct-16	DRY				
Jul-16	DRY				
Apr-16	DRY				
Jan-16	DRY	—	—	—	—

MW-6	DTW	PCE	TCE	Total DCE	VC
Jan-17	DRY				
Oct-16	DRY				
Jul-16	DRY				
Apr-16	DRY				
Jan-16	DRY				

MW-7	DTW	PCE	TCE	Total DCE	VC
Jan-17	11.94	1	n/d	n/d	n/d
Oct-16	11.81	6	1	14	n/d
Jul-16	11.86	2	n/d	3.5	n/d
Apr-16		n/s			
Jan-16	12.01	n/s			

MW-8	DTW	PCE	TCE	Total DCE	VC
Jan-17	11.99	2	n/d	n/d	n/d
Oct-16	11.86	4	0.42	n/d	n/d
Jul-16	11.93	2	n/d	n/d	n/d
Apr-16		n/s			
Jan-16	12.29	n/s			

MW-9	DTW	PCE	TCE	Total DCE	VC
Jan-17	11.95	100	1	0.28	n/d
Oct-16	11.84	67	3	4	0.036
Jul-16	11.91	170	2	n/d	n/d
Apr-16	11.45	120	5.4	10	n/d
Jan-16	12.1	220	2.3	n/d	n/d

MW-10	DTW	PCE	TCE	Total DCE	VC
Jan-17	11.91	1	1	1	n/d
Oct-16	11.82	3	n/d	4	n/d
Jul-16	11.89	2	n/d	2	n/d
Apr-16	11.24	1.6	n/d	3	n/d
Jan-16	12.14	27	n/d	3.3	n/d

MW-11*	DTW	PCE	TCE	Total DCE	VC
Jan-17	4.36	2	2	3	n/d
	DRY				
Jul-16	4.35	n/d	n/d	n/d	n/d
Apr-16	3.85	1.3	1.4	4	n/d
Jan-16	4.3	2.8	n/d	n/d	n/d

MW-12*	DTW	PCE	TCE	Total DCE	VC
Jan-17	4.57	1	n/d	2	n/d
Oct-16	4.45	2	n/d	1	n/d
Jul-16	4.51	n/d	n/d	3	n/d
Apr-16	3.67	n/d	n/d	2	n/d
Jan-16	4.51	n/d	n/d	4.1	n/d

BW-1	DTW	PCE	TCE	Total DCE	VC
Jan-17	10.23	1	n/d	n/d	n/d
Oct-16	10.14	n/d	n/d	n/d	n/d
Jul-16	10.19	n/d	n/d	n/d	n/d
Apr-16	10.95	n/d	n/d	n/d	n/d
Jan-16	12.16	n/d	n/d	n/d	n/d

BW-2	DTW	PCE	TCE	Total DCE	VC
Jan-17	12.17	0.49	n/d	n/d	n/d
Oct-16	12.04	0.47	n/d	n/d	n/d
Jul-16	12.1	n/d	n/d	n/d	n/d
Apr-16	11.61	n/d	n/d	n/d	n/d
Jan-16	12.19	n/d	n/d	n/d	n/d

BW-3	DTW	PCE	TCE	Total DCE	VC
Jan-17	COVERED				
Oct-16	COVERED				
Jul-16	COVERED				
	COVERED				
Jan-16	COVERED				

BW-4	DTW	PCE	TCE	Total DCE	VC
Jan-17	13.13	32	2.8	2	n/d
Oct-16	13.07	n/d	n/d	1	n/d
Jul-16	13.11	n/d	n/d	1	n/d
Apr-16	12.83	n/d	n/d	1	n/d
Jan-16	12.19	<1	n/d	1.6	n/d

Schmukler's Cleaners  
 358-364 North Ave.  
 New Rochelle, NY  
 As of January 2017  
**Table-3**  
 SVOCS (total ppb)

<b>MW-11*</b>	<b>DTW</b>	2-methylnaphthalene	Phenanthrene	Bis (2-ethylhexyl) phthalate	Fluorene	Acenaphthene	Anthracene	Naphthalene
Jan-17	4.36	91	8.7	0.74	4.5	n/d	1.1	93

<b>MW-12*</b>	<b>DTW</b>	2-methylnaphthalene	Phenanthrene	Bis (2-ethylhexyl) phthalate	Fluorene	Acenaphthene	Anthracene	Naphthalene
Jan-17	4.57	340	70	0.79	29	21	7	140

highlighted=above TOGS Standard and/or GV

Appendix-A

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Lab Data



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)

February 07, 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: Schmucklers Dry Cleaners; 358-364 North

Order No.: 1701200

Dear Walter Berninger:

American Analytical Laboratories, LLC. received 12 sample(s) on 1/31/2017 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#: 1701200  
07-Feb-17

**CLIENT:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
1701200-001A	MW-1		1/31/2017 10:20:00 AM	1/31/2017 1:15:00 PM	Liquid
1701200-002A	MW-3		1/31/2017 10:50:00 AM	1/31/2017 1:15:00 PM	Liquid
1701200-003A	MW-6		1/31/2017 10:45:00 AM	1/31/2017 1:15:00 PM	Liquid
1701200-004A	MW-7		1/31/2017 11:00:00 AM	1/31/2017 1:15:00 PM	Liquid
1701200-005A	MW-8		1/31/2017 11:10:00 AM	1/31/2017 1:15:00 PM	Liquid
1701200-006A	MW-9		1/31/2017 11:20:00 AM	1/31/2017 1:15:00 PM	Liquid
1701200-007A	MW-10		1/31/2017 11:30:00 AM	1/31/2017 1:15:00 PM	Liquid
1701200-008A	MW-11		1/31/2017 11:40:00 AM	1/31/2017 1:15:00 PM	Liquid
1701200-008B	MW-11		1/31/2017 11:40:00 AM	1/31/2017 1:15:00 PM	Liquid
1701200-009A	MW-12		1/31/2017 11:50:00 AM	1/31/2017 1:15:00 PM	Liquid
1701200-009B	MW-12		1/31/2017 11:50:00 AM	1/31/2017 1:15:00 PM	Liquid
1701200-010A	BW-1		1/31/2017 12:00:00 PM	1/31/2017 1:15:00 PM	Liquid
1701200-011A	BW-2		1/31/2017 12:15:00 PM	1/31/2017 1:15:00 PM	Liquid
1701200-012A	VES Stack Emission		1/31/2017 12:30:00 PM	1/31/2017 1:15:00 PM	Air



# CHAIN OF CUSTODY

56 Toledo Street, Farmingdale NY 11735  
(T) 631-454-6100 (F) 631-454-8027  
www.american-analytical.com

## CERTIFICATIONS

NY ELAP - 11418 PA DEP - 68-00573  
NJ DEP - NY050 CT DOH - PH-0205

**Client Information**

Company Name: BERNINGER ENVIRO INC  
 Address: 17 OLD DOCK RD  
 City: YAPHANK, N.Y State: NY Zip: 11980

**Project Information**

Project Name: SCHMICKLERS DRY CLD  
 Street: 358-364 NORTH AVE  
 City: NEW ROCHELLE, NY State: NY Zip: 10885

Project #: 8160

Sampler's Name / Company: BUTCH MEYERS

Sampler's Signature: Butch Meyers

E-mail: \_\_\_\_\_

LAB SAMPLE # (LAB USE ONLY)	Sample Information			Sample Collection			Sample Containers							Comments / Remarks			
	Client Sample ID	Sample Type	Matrix Code	Date	Time	Glass / Plastic	Total # of bottles	NONE	IOH	NOH	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	NaOH		OTHER		
1701200-001	MW-1	G	L	1/31/17	10:20	G	2		X								
002	3				10:50		2		X								
003	6				10:45		2		X								
004	7				11:00		2		X								
005	8				11:10		2		X								
006	9				11:20		2		X								
007	10				11:30		2		X								
008	11				11:40		3		X								
009	12				11:50		3		X								
010	BW-1				12:00		2		X								
011	BW-2				12:15	G	2		X								
012	VES STACK EMISSION	G	AIR		12:30	TEMLAR	X		X								

**Turnaround Time (Business Days)**

Standard  7-10 Business Days  
 5 Day RUSH  
 4 Day RUSH

**SAMPLE TYPE**

G = Grab  
 C = Composite  
 B = Blank

**MATRIX CODES**

L = Liquid  
 S = Soil  
 O = Oil  
 W = Wipe  
 M = Miscellaneous

PC = Paint Chip  
 SL = Sludge  
 SD = Solid

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

RELINQUISHED BY (SIGNATURE): Butch Meyers DATE: 1/31/17 TIME: 1:15

RECEIVED BY LAB (SIGNATURE): Butch Meyers DATE: 1/31/17 TIME: 1:15

RELINQUISHED BY (SIGNATURE): \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

RECEIVED BY LAB (SIGNATURE): \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

P.O. # 18745  
Cooler Temp: 1.94c

8260  
8270 BN



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

# Sample Log-In Check List

Client Name: **Berninger**

Work Order Number: **1701200**

RcptNo: **1**

Logged by: <b>Lori Beyer</b>	<b>1/31/2017 1:15:00 PM</b>	<i>Lori Beyer</i>
Completed By: <b>Lori Beyer</b>	<b>1/31/2017 2:46:25 PM</b>	<i>Lori Beyer</i>
Reviewed By: <b>Karen Kelly</b>	<b>1/31/2017</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:

**Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
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American Analytical Laboratories, LLC.  
56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## Case Narrative

WO#: 1701200  
Date: 2/7/2017

---

**CLIENT:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

---

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.

Volatile LCS are analyzed with preservatives - HCL/NaHSO<sub>4</sub>/Methanol depending on level of analysis (high/low) similar to sample analysis. Outliers can be attributed to the presence of chemical preservatives. 2-Chloroethyl vinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

The following parameters (if included in this report) are not offered by NY ELAP: VOA 8260 Soil; 1,2,4,5-Tetramethylbenzene, Chlorodifluoromethane, Diisopropyl ether, Ethanol, Freon-114, p-Diethylbenzene, p-Ethyltoluene, Isopropyl Acetate, n-Amyl Acetate, n-Butyl Acetate, n-Propyl Acetate. VOA 8260 Liquid; 1,2,4,5-Tetramethylbenzene, Chlorodifluoromethane, Freon-114, p-Diethylbenzene, p-Ethyltoluene, Isopropyl Acetate, n-Amyl acetate, n-Butyl Acetate, n-Propyl Acetate. Pesticides 8081 Soil; DBCP. Herbicides 8151 Soil; 3,5-Dichlorobenzoic Acid, 4-Nitrophenol, Acifluorfen, Bentazon, Chloramben, DCPA, Picloram .Lachat 10-107-6-1B Ammonia in Soil, SM 2540G Total Volatile Solids, Soil TKN, Soil Organic Nitrogen, Percent Moisture, pH in non-potable water and temperature at which pH is measured, SM 4500-SO<sub>3</sub> B Sulfite in Liquid, Total Sulfur in Soil, Acid Soluble Chloride by ASTM C1152, Water Soluble Chloride by ASTM C1218, Chlorine Demand by SM 2350 B, Total Residual Chlorine in Liquid and Reactivity to Sulfide and Reactivity to Cyanide.

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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Website: www.American-Analytical.com

## Definition Only

WO#: 1701200  
Date: 2/7/2017

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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.

m - Analyte was manually integrated for GC/MS.

+ - Concentration exceeds regulatory level for TCLP

# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	MW-1
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 10:20:00 AM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-001A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>	<b>SW5030C</b>	Analyst: <b>KSS</b>		
1,1,1,2-Tetrachloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
1,1,1-Trichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
1,1,2,2-Tetrachloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
1,1,2-Trichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
1,1-Dichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
1,1-Dichloroethene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
1,1-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
1,2,3-Trichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
1,2,3-Trichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
1,2,4,5-Tetramethylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
1,2,4-Trichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
1,2,4-Trimethylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
1,2-Dibromo-3-chloropropane	ND	0.030	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
1,2-Dibromoethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
1,2-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
1,2-Dichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
1,2-Dichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
1,3,5-Trimethylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
1,3-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
1,3-dichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
1,4-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
1,4-Dioxane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
2,2-Dichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
2-Butanone	ND	0.50	4.0	U	µg/L	1	2/2/2017 3:22:00 AM
2-Chloroethyl vinyl ether	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
2-Chlorotoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
2-Hexanone	ND	0.50	4.0	U	µg/L	1	2/2/2017 3:22:00 AM
2-Propanol	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
4-Chlorotoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
4-Isopropyltoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
4-Methyl-2-pentanone	ND	0.50	4.0	U	µg/L	1	2/2/2017 3:22:00 AM
Acetone	1.4	1.0	4.0	BJ	µg/L	1	2/2/2017 3:22:00 AM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	MW-1
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 10:20:00 AM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-001A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5030C</b>		Analyst: <b>KSS</b>
Benzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
Bromobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
Bromochloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
Bromodichloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
Bromoform	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
Bromomethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
Carbon disulfide	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
Carbon tetrachloride	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
Chlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
Chlorodifluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
Chloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
Chloroform	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
Chloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
cis-1,2-Dichloroethene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
cis-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
Cyclohexane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
Dibromochloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
Dibromomethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
Dichlorodifluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
Diisopropyl ether	ND	0.50	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
Ethanol	ND	2.5	10	U	µg/L	1	2/2/2017 3:22:00 AM
Ethylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
Freon-114	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
Hexachlorobutadiene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
Isopropylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
m,p-Xylene	ND	0.50	4.0	U	µg/L	1	2/2/2017 3:22:00 AM
Methyl Acetate	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
Methyl tert-butyl ether	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
Methylene chloride	5.9	1.0	4.0	B	µg/L	1	2/2/2017 3:22:00 AM
n-Butylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
n-Propylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
Naphthalene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
o-Xylene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	MW-1
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 10:20:00 AM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-001A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>	<b>SW5030C</b>			Analyst: <b>KSS</b>
p-Diethylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
p-Ethyltoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
sec-Butylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
Styrene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
t-Butyl alcohol	ND	2.5	10	U	µg/L	1	2/2/2017 3:22:00 AM
tert-Butylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
Tetrachloroethene	0.72	0.25	2.0	J	µg/L	1	2/2/2017 3:22:00 AM
Toluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
trans-1,2-Dichloroethene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
trans-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
Trichloroethene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
Trichlorofluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
Vinyl acetate	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
Vinyl chloride	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
Xylenes, Total	ND	0.75	6.0	U	µg/L	1	2/2/2017 3:22:00 AM
Acrolein	ND	1.0	10	U	µg/L	1	2/2/2017 3:22:00 AM
Acrylonitrile	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:22:00 AM
Surr: 4-Bromofluorobenzene	94.0	0	62-132		%Rec	1	2/2/2017 3:22:00 AM
Surr: Dibromofluoromethane	96.7	0	72-131		%Rec	1	2/2/2017 3:22:00 AM
Surr: Toluene-d8	99.5	0	58-131		%Rec	1	2/2/2017 3:22:00 AM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	MW-3
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 10:50:00 AM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-002A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5030C</b>		Analyst: <b>KSS</b>
1,1,1,2-Tetrachloroethane	19	0.25	2.0		µg/L	1	2/2/2017 3:52:00 AM
1,1,1-Trichloroethane	5.9	0.25	2.0		µg/L	1	2/2/2017 3:52:00 AM
1,1,2,2-Tetrachloroethane	48	0.25	2.0		µg/L	1	2/2/2017 3:52:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
1,1,2-Trichloroethane	27	0.25	2.0		µg/L	1	2/2/2017 3:52:00 AM
1,1-Dichloroethane	0.78	0.25	2.0	J	µg/L	1	2/2/2017 3:52:00 AM
1,1-Dichloroethene	5.2	0.25	2.0		µg/L	1	2/2/2017 3:52:00 AM
1,1-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
1,2,3-Trichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
1,2,3-Trichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
1,2,4,5-Tetramethylbenzene	3.6	0.25	2.0		µg/L	1	2/2/2017 3:52:00 AM
1,2,4-Trichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
1,2,4-Trimethylbenzene	2.5	0.25	2.0		µg/L	1	2/2/2017 3:52:00 AM
1,2-Dibromo-3-chloropropane	ND	0.030	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
1,2-Dibromoethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
1,2-Dichlorobenzene	0.72	0.25	2.0	J	µg/L	1	2/2/2017 3:52:00 AM
1,2-Dichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
1,2-Dichloropropane	0.40	0.25	2.0	J	µg/L	1	2/2/2017 3:52:00 AM
1,3,5-Trimethylbenzene	0.76	0.25	2.0	J	µg/L	1	2/2/2017 3:52:00 AM
1,3-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
1,3-dichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
1,4-Dichlorobenzene	2.8	0.25	2.0		µg/L	1	2/2/2017 3:52:00 AM
1,4-Dioxane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
2,2-Dichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
2-Butanone	1.5	0.50	4.0	J	µg/L	1	2/2/2017 3:52:00 AM
2-Chloroethyl vinyl ether	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
2-Chlorotoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
2-Hexanone	ND	0.50	4.0	U	µg/L	1	2/2/2017 3:52:00 AM
2-Propanol	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
4-Chlorotoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
4-Isopropyltoluene	0.45	0.25	2.0	J	µg/L	1	2/2/2017 3:52:00 AM
4-Methyl-2-pentanone	ND	0.50	4.0	U	µg/L	1	2/2/2017 3:52:00 AM
Acetone	3.6	1.0	4.0	BJ	µg/L	1	2/2/2017 3:52:00 AM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	MW-3
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 10:50:00 AM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-002A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5030C</b>		Analyst: <b>KSS</b>
Benzene	0.61	0.25	2.0	J	µg/L	1	2/2/2017 3:52:00 AM
Bromobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
Bromochloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
Bromodichloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
Bromoform	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
Bromomethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
Carbon disulfide	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
Carbon tetrachloride	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
Chlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
Chlorodifluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
Chloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
Chloroform	1.2	0.25	2.0	J	µg/L	1	2/2/2017 3:52:00 AM
Chloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
cis-1,2-Dichloroethene	1300	2.5	20	D	µg/L	10	2/2/2017 6:11:00 PM
cis-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
Cyclohexane	7.0	0.25	2.0		µg/L	1	2/2/2017 3:52:00 AM
Dibromochloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
Dibromomethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
Dichlorodifluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
Diisopropyl ether	ND	0.50	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
Ethanol	ND	2.5	10	U	µg/L	1	2/2/2017 3:52:00 AM
Ethylbenzene	2.1	0.25	2.0		µg/L	1	2/2/2017 3:52:00 AM
Freon-114	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
Hexachlorobutadiene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
Isopropylbenzene	0.39	0.25	2.0	J	µg/L	1	2/2/2017 3:52:00 AM
m,p-Xylene	1.4	0.50	4.0	J	µg/L	1	2/2/2017 3:52:00 AM
Methyl Acetate	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
Methyl tert-butyl ether	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
Methylene chloride	6.1	1.0	4.0	B	µg/L	1	2/2/2017 3:52:00 AM
n-Butylbenzene	0.32	0.25	2.0	J	µg/L	1	2/2/2017 3:52:00 AM
n-Propylbenzene	0.56	0.25	2.0	J	µg/L	1	2/2/2017 3:52:00 AM
Naphthalene	2.5	0.25	2.0		µg/L	1	2/2/2017 3:52:00 AM
o-Xylene	3.2	0.25	2.0		µg/L	1	2/2/2017 3:52:00 AM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	MW-3
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 10:50:00 AM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-002A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5030C</b>		Analyst: <b>KSS</b>
p-Diethylbenzene	1.3	0.25	2.0	J	µg/L	1	2/2/2017 3:52:00 AM
p-Ethyltoluene	1.5	0.25	2.0	J	µg/L	1	2/2/2017 3:52:00 AM
sec-Butylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
Styrene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
t-Butyl alcohol	ND	2.5	10	U	µg/L	1	2/2/2017 3:52:00 AM
tert-Butylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
Tetrachloroethene	13000	130	1000	D	µg/L	500	2/3/2017 1:33:00 PM
Toluene	1.3	0.25	2.0	J	µg/L	1	2/2/2017 3:52:00 AM
trans-1,2-Dichloroethene	11	0.25	2.0		µg/L	1	2/2/2017 3:52:00 AM
trans-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
Trichloroethene	1700	130	1000	D	µg/L	500	2/3/2017 1:33:00 PM
Trichlorofluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
Vinyl acetate	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
Vinyl chloride	50	0.25	2.0		µg/L	1	2/2/2017 3:52:00 AM
Xylenes, Total	4.6	0.75	6.0	J	µg/L	1	2/2/2017 3:52:00 AM
Acrolein	ND	1.0	10	U	µg/L	1	2/2/2017 3:52:00 AM
Acrylonitrile	ND	0.25	2.0	U	µg/L	1	2/2/2017 3:52:00 AM
Surr: 4-Bromofluorobenzene	104	0	62-132		%Rec	1	2/2/2017 3:52:00 AM
Surr: Dibromofluoromethane	110	0	72-131		%Rec	1	2/2/2017 3:52:00 AM
Surr: Toluene-d8	104	0	58-131		%Rec	1	2/2/2017 3:52:00 AM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	MW-6
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 10:45:00 AM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-003A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5030C</b>		Analyst: <b>KSS</b>
1,1,1,2-Tetrachloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
1,1,1-Trichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
1,1,2,2-Tetrachloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
1,1,2-Trichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
1,1-Dichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
1,1-Dichloroethene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
1,1-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
1,2,3-Trichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
1,2,3-Trichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
1,2,4,5-Tetramethylbenzene	210	2.5	20	D	µg/L	10	2/2/2017 6:41:00 PM
1,2,4-Trichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
1,2,4-Trimethylbenzene	96	2.5	20	D	µg/L	10	2/2/2017 6:41:00 PM
1,2-Dibromo-3-chloropropane	ND	0.030	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
1,2-Dibromoethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
1,2-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
1,2-Dichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
1,2-Dichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
1,3,5-Trimethylbenzene	40	2.5	20	D	µg/L	10	2/2/2017 6:41:00 PM
1,3-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
1,3-dichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
1,4-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
1,4-Dioxane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
2,2-Dichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
2-Butanone	ND	0.50	4.0	U	µg/L	1	2/2/2017 4:22:00 AM
2-Chloroethyl vinyl ether	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
2-Chlorotoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
2-Hexanone	ND	0.50	4.0	U	µg/L	1	2/2/2017 4:22:00 AM
2-Propanol	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
4-Chlorotoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
4-Isopropyltoluene	100	0.25	2.0		µg/L	1	2/2/2017 4:22:00 AM
4-Methyl-2-pentanone	ND	0.50	4.0	U	µg/L	1	2/2/2017 4:22:00 AM
Acetone	3.1	1.0	4.0	BJ	µg/L	1	2/2/2017 4:22:00 AM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	MW-6
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 10:45:00 AM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-003A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5030C</b>		Analyst: <b>KSS</b>
Benzene	1.1	0.25	2.0	J	µg/L	1	2/2/2017 4:22:00 AM
Bromobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
Bromochloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
Bromodichloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
Bromoform	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
Bromomethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
Carbon disulfide	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
Carbon tetrachloride	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
Chlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
Chlorodifluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
Chloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
Chloroform	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
Chloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
cis-1,2-Dichloroethene	2.1	0.25	2.0		µg/L	1	2/2/2017 4:22:00 AM
cis-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
Cyclohexane	15	2.5	20	DJ	µg/L	10	2/2/2017 6:41:00 PM
Dibromochloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
Dibromomethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
Dichlorodifluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
Diisopropyl ether	ND	0.50	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
Ethanol	ND	2.5	10	U	µg/L	1	2/2/2017 4:22:00 AM
Ethylbenzene	88	0.25	2.0		µg/L	1	2/2/2017 4:22:00 AM
Freon-114	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
Hexachlorobutadiene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
Isopropylbenzene	59	0.25	2.0		µg/L	1	2/2/2017 4:22:00 AM
m,p-Xylene	250	0.50	4.0		µg/L	1	2/2/2017 4:22:00 AM
Methyl Acetate	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
Methyl tert-butyl ether	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
Methylene chloride	6.0	1.0	4.0	B	µg/L	1	2/2/2017 4:22:00 AM
n-Butylbenzene	99	0.25	2.0		µg/L	1	2/2/2017 4:22:00 AM
n-Propylbenzene	130	0.25	2.0		µg/L	1	2/2/2017 4:22:00 AM
Naphthalene	140	2.5	20	D	µg/L	10	2/2/2017 6:41:00 PM
o-Xylene	70	0.25	2.0		µg/L	1	2/2/2017 4:22:00 AM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	MW-6
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 10:45:00 AM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-003A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5030C</b>		Analyst: <b>KSS</b>
p-Diethylbenzene	93	2.5	20	D	µg/L	10	2/2/2017 6:41:00 PM
p-Ethyltoluene	55	2.5	20	D	µg/L	10	2/2/2017 6:41:00 PM
sec-Butylbenzene	69	0.25	2.0		µg/L	1	2/2/2017 4:22:00 AM
Styrene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
t-Butyl alcohol	ND	2.5	10	U	µg/L	1	2/2/2017 4:22:00 AM
tert-Butylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
Tetrachloroethene	32	0.25	2.0		µg/L	1	2/2/2017 4:22:00 AM
Toluene	1.9	0.25	2.0	J	µg/L	1	2/2/2017 4:22:00 AM
trans-1,2-Dichloroethene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
trans-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
Trichloroethene	2.8	0.25	2.0		µg/L	1	2/2/2017 4:22:00 AM
Trichlorofluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
Vinyl acetate	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
Vinyl chloride	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
Xylenes, Total	320	0.75	6.0		µg/L	1	2/2/2017 4:22:00 AM
Acrolein	38	1.0	10		µg/L	1	2/2/2017 4:22:00 AM
Acrylonitrile	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:22:00 AM
Surr: 4-Bromofluorobenzene	91.1	0	62-132		%Rec	1	2/2/2017 4:22:00 AM
Surr: Dibromofluoromethane	85.1	0	72-131		%Rec	1	2/2/2017 4:22:00 AM
Surr: Toluene-d8	101	0	58-131		%Rec	1	2/2/2017 4:22:00 AM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	MW-7
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 11:00:00 AM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-004A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>	<b>SW5030C</b>	Analyst: <b>KSS</b>		
1,1,1,2-Tetrachloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
1,1,1-Trichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
1,1,2,2-Tetrachloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
1,1,2-Trichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
1,1-Dichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
1,1-Dichloroethene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
1,1-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
1,2,3-Trichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
1,2,3-Trichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
1,2,4,5-Tetramethylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
1,2,4-Trichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
1,2,4-Trimethylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
1,2-Dibromo-3-chloropropane	ND	0.030	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
1,2-Dibromoethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
1,2-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
1,2-Dichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
1,2-Dichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
1,3,5-Trimethylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
1,3-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
1,3-dichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
1,4-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
1,4-Dioxane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
2,2-Dichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
2-Butanone	ND	0.50	4.0	U	µg/L	1	2/2/2017 4:41:00 PM
2-Chloroethyl vinyl ether	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
2-Chlorotoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
2-Hexanone	ND	0.50	4.0	U	µg/L	1	2/2/2017 4:41:00 PM
2-Propanol	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
4-Chlorotoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
4-Isopropyltoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
4-Methyl-2-pentanone	ND	0.50	4.0	U	µg/L	1	2/2/2017 4:41:00 PM
Acetone	ND	1.0	4.0	U	µg/L	1	2/2/2017 4:41:00 PM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	MW-7
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 11:00:00 AM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-004A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5030C</b>		Analyst: <b>KSS</b>
Benzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
Bromobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
Bromochloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
Bromodichloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
Bromoform	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
Bromomethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
Carbon disulfide	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
Carbon tetrachloride	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
Chlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
Chlorodifluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
Chloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
Chloroform	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
Chloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
cis-1,2-Dichloroethene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
cis-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
Cyclohexane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
Dibromochloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
Dibromomethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
Dichlorodifluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
Diisopropyl ether	ND	0.50	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
Ethanol	ND	2.5	10	U	µg/L	1	2/2/2017 4:41:00 PM
Ethylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
Freon-114	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
Hexachlorobutadiene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
Isopropylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
m,p-Xylene	ND	0.50	4.0	U	µg/L	1	2/2/2017 4:41:00 PM
Methyl Acetate	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
Methyl tert-butyl ether	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
Methylene chloride	5.0	1.0	4.0	B	µg/L	1	2/2/2017 4:41:00 PM
n-Butylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
n-Propylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
Naphthalene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
o-Xylene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	MW-7
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 11:00:00 AM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-004A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5030C</b>		Analyst: <b>KSS</b>
p-Diethylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
p-Ethyltoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
sec-Butylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
Styrene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
t-Butyl alcohol	ND	2.5	10	U	µg/L	1	2/2/2017 4:41:00 PM
tert-Butylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
Tetrachloroethene	1.4	0.25	2.0	J	µg/L	1	2/2/2017 4:41:00 PM
Toluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
trans-1,2-Dichloroethene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
trans-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
Trichloroethene	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
Trichlorofluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
Vinyl acetate	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
Vinyl chloride	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
Xylenes, Total	ND	0.75	6.0	U	µg/L	1	2/2/2017 4:41:00 PM
Acrolein	ND	1.0	10	U	µg/L	1	2/2/2017 4:41:00 PM
Acrylonitrile	ND	0.25	2.0	U	µg/L	1	2/2/2017 4:41:00 PM
Surr: 4-Bromofluorobenzene	101	0	62-132		%Rec	1	2/2/2017 4:41:00 PM
Surr: Dibromofluoromethane	89.1	0	72-131		%Rec	1	2/2/2017 4:41:00 PM
Surr: Toluene-d8	98.5	0	58-131		%Rec	1	2/2/2017 4:41:00 PM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	MW-8
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 11:10:00 AM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-005A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>	<b>SW5030C</b>	Analyst: <b>KSS</b>		
1,1,1,2-Tetrachloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
1,1,1-Trichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
1,1,2,2-Tetrachloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
1,1,2-Trichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
1,1-Dichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
1,1-Dichloroethene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
1,1-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
1,2,3-Trichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
1,2,3-Trichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
1,2,4,5-Tetramethylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
1,2,4-Trichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
1,2,4-Trimethylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
1,2-Dibromo-3-chloropropane	ND	0.030	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
1,2-Dibromoethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
1,2-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
1,2-Dichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
1,2-Dichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
1,3,5-Trimethylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
1,3-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
1,3-dichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
1,4-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
1,4-Dioxane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
2,2-Dichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
2-Butanone	ND	0.50	4.0	U	µg/L	1	2/2/2017 5:11:00 PM
2-Chloroethyl vinyl ether	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
2-Chlorotoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
2-Hexanone	ND	0.50	4.0	U	µg/L	1	2/2/2017 5:11:00 PM
2-Propanol	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
4-Chlorotoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
4-Isopropyltoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
4-Methyl-2-pentanone	ND	0.50	4.0	U	µg/L	1	2/2/2017 5:11:00 PM
Acetone	2.0	1.0	4.0	BJ	µg/L	1	2/2/2017 5:11:00 PM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	MW-8
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 11:10:00 AM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-005A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5030C</b>		Analyst: <b>KSS</b>
Benzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
Bromobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
Bromochloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
Bromodichloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
Bromoform	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
Bromomethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
Carbon disulfide	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
Carbon tetrachloride	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
Chlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
Chlorodifluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
Chloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
Chloroform	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
Chloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
cis-1,2-Dichloroethene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
cis-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
Cyclohexane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
Dibromochloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
Dibromomethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
Dichlorodifluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
Diisopropyl ether	ND	0.50	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
Ethanol	ND	2.5	10	U	µg/L	1	2/2/2017 5:11:00 PM
Ethylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
Freon-114	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
Hexachlorobutadiene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
Isopropylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
m,p-Xylene	ND	0.50	4.0	U	µg/L	1	2/2/2017 5:11:00 PM
Methyl Acetate	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
Methyl tert-butyl ether	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
Methylene chloride	5.6	1.0	4.0	B	µg/L	1	2/2/2017 5:11:00 PM
n-Butylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
n-Propylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
Naphthalene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
o-Xylene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	MW-8
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 11:10:00 AM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-005A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>	<b>SW5030C</b>			Analyst: <b>KSS</b>
p-Diethylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
p-Ethyltoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
sec-Butylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
Styrene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
t-Butyl alcohol	ND	2.5	10	U	µg/L	1	2/2/2017 5:11:00 PM
tert-Butylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
Tetrachloroethene	1.9	0.25	2.0	J	µg/L	1	2/2/2017 5:11:00 PM
Toluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
trans-1,2-Dichloroethene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
trans-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
Trichloroethene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
Trichlorofluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
Vinyl acetate	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
Vinyl chloride	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
Xylenes, Total	ND	0.75	6.0	U	µg/L	1	2/2/2017 5:11:00 PM
Acrolein	ND	1.0	10	U	µg/L	1	2/2/2017 5:11:00 PM
Acrylonitrile	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:11:00 PM
Surr: 4-Bromofluorobenzene	106	0	62-132		%Rec	1	2/2/2017 5:11:00 PM
Surr: Dibromofluoromethane	86.1	0	72-131		%Rec	1	2/2/2017 5:11:00 PM
Surr: Toluene-d8	98.2	0	58-131		%Rec	1	2/2/2017 5:11:00 PM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	MW-9
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 11:20:00 AM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-006A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5030C</b>		Analyst: <b>KSS</b>
1,1,1,2-Tetrachloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
1,1,1-Trichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
1,1,2,2-Tetrachloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
1,1,2-Trichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
1,1-Dichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
1,1-Dichloroethene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
1,1-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
1,2,3-Trichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
1,2,3-Trichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
1,2,4,5-Tetramethylbenzene	1.8	0.25	2.0	J	µg/L	1	2/2/2017 5:52:00 AM
1,2,4-Trichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
1,2,4-Trimethylbenzene	0.40	0.25	2.0	J	µg/L	1	2/2/2017 5:52:00 AM
1,2-Dibromo-3-chloropropane	ND	0.030	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
1,2-Dibromoethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
1,2-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
1,2-Dichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
1,2-Dichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
1,3,5-Trimethylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
1,3-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
1,3-dichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
1,4-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
1,4-Dioxane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
2,2-Dichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
2-Butanone	ND	0.50	4.0	U	µg/L	1	2/2/2017 5:52:00 AM
2-Chloroethyl vinyl ether	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
2-Chlorotoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
2-Hexanone	ND	0.50	4.0	U	µg/L	1	2/2/2017 5:52:00 AM
2-Propanol	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
4-Chlorotoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
4-Isopropyltoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
4-Methyl-2-pentanone	ND	0.50	4.0	U	µg/L	1	2/2/2017 5:52:00 AM
Acetone	2.1	1.0	4.0	BJ	µg/L	1	2/2/2017 5:52:00 AM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	MW-9
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 11:20:00 AM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-006A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5030C</b>		Analyst: <b>KSS</b>
Benzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
Bromobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
Bromochloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
Bromodichloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
Bromoform	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
Bromomethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
Carbon disulfide	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
Carbon tetrachloride	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
Chlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
Chlorodifluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
Chloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
Chloroform	0.66	0.25	2.0	J	µg/L	1	2/2/2017 5:52:00 AM
Chloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
cis-1,2-Dichloroethene	0.28	0.25	2.0	J	µg/L	1	2/2/2017 5:52:00 AM
cis-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
Cyclohexane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
Dibromochloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
Dibromomethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
Dichlorodifluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
Diisopropyl ether	ND	0.50	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
Ethanol	ND	2.5	10	U	µg/L	1	2/2/2017 5:52:00 AM
Ethylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
Freon-114	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
Hexachlorobutadiene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
Isopropylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
m,p-Xylene	ND	0.50	4.0	U	µg/L	1	2/2/2017 5:52:00 AM
Methyl Acetate	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
Methyl tert-butyl ether	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
Methylene chloride	6.0	1.0	4.0	B	µg/L	1	2/2/2017 5:52:00 AM
n-Butylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
n-Propylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
Naphthalene	1.5	0.25	2.0	J	µg/L	1	2/2/2017 5:52:00 AM
o-Xylene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	MW-9
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 11:20:00 AM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-006A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5030C</b>		Analyst: <b>KSS</b>
p-Diethylbenzene	0.63	0.25	2.0	J	µg/L	1	2/2/2017 5:52:00 AM
p-Ethyltoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
sec-Butylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
Styrene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
t-Butyl alcohol	ND	2.5	10	U	µg/L	1	2/2/2017 5:52:00 AM
tert-Butylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
Tetrachloroethene	100	0.25	2.0		µg/L	1	2/2/2017 5:52:00 AM
Toluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
trans-1,2-Dichloroethene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
trans-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
Trichloroethene	0.75	0.25	2.0	J	µg/L	1	2/2/2017 5:52:00 AM
Trichlorofluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
Vinyl acetate	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
Vinyl chloride	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
Xylenes, Total	ND	0.75	6.0	U	µg/L	1	2/2/2017 5:52:00 AM
Acrolein	ND	1.0	10	U	µg/L	1	2/2/2017 5:52:00 AM
Acrylonitrile	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:52:00 AM
Surr: 4-Bromofluorobenzene	101	0	62-132		%Rec	1	2/2/2017 5:52:00 AM
Surr: Dibromofluoromethane	98.0	0	72-131		%Rec	1	2/2/2017 5:52:00 AM
Surr: Toluene-d8	101	0	58-131		%Rec	1	2/2/2017 5:52:00 AM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	MW-10
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 11:30:00 AM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-007A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5030C</b>		Analyst: <b>KSS</b>
1,1,1,2-Tetrachloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
1,1,1-Trichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
1,1,2,2-Tetrachloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
1,1,2-Trichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
1,1-Dichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
1,1-Dichloroethene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
1,1-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
1,2,3-Trichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
1,2,3-Trichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
1,2,4,5-Tetramethylbenzene	4.3	0.25	2.0		µg/L	1	2/2/2017 5:41:00 PM
1,2,4-Trichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
1,2,4-Trimethylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
1,2-Dibromo-3-chloropropane	ND	0.030	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
1,2-Dibromoethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
1,2-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
1,2-Dichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
1,2-Dichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
1,3,5-Trimethylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
1,3-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
1,3-dichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
1,4-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
1,4-Dioxane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
2,2-Dichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
2-Butanone	ND	0.50	4.0	U	µg/L	1	2/2/2017 5:41:00 PM
2-Chloroethyl vinyl ether	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
2-Chlorotoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
2-Hexanone	ND	0.50	4.0	U	µg/L	1	2/2/2017 5:41:00 PM
2-Propanol	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
4-Chlorotoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
4-Isopropyltoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
4-Methyl-2-pentanone	ND	0.50	4.0	U	µg/L	1	2/2/2017 5:41:00 PM
Acetone	1.1	1.0	4.0	BJ	µg/L	1	2/2/2017 5:41:00 PM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	MW-10
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 11:30:00 AM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-007A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5030C</b>		Analyst: <b>KSS</b>
Benzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
Bromobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
Bromochloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
Bromodichloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
Bromoform	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
Bromomethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
Carbon disulfide	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
Carbon tetrachloride	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
Chlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
Chlorodifluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
Chloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
Chloroform	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
Chloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
cis-1,2-Dichloroethene	1.0	0.25	2.0	J	µg/L	1	2/2/2017 5:41:00 PM
cis-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
Cyclohexane	1.9	0.25	2.0	J	µg/L	1	2/2/2017 5:41:00 PM
Dibromochloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
Dibromomethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
Dichlorodifluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
Diisopropyl ether	ND	0.50	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
Ethanol	ND	2.5	10	U	µg/L	1	2/2/2017 5:41:00 PM
Ethylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
Freon-114	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
Hexachlorobutadiene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
Isopropylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
m,p-Xylene	ND	0.50	4.0	U	µg/L	1	2/2/2017 5:41:00 PM
Methyl Acetate	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
Methyl tert-butyl ether	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
Methylene chloride	5.5	1.0	4.0	B	µg/L	1	2/2/2017 5:41:00 PM
n-Butylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
n-Propylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
Naphthalene	0.56	0.25	2.0	J	µg/L	1	2/2/2017 5:41:00 PM
o-Xylene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	MW-10
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 11:30:00 AM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-007A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5030C</b>		Analyst: <b>KSS</b>
p-Diethylbenzene	0.35	0.25	2.0	J	µg/L	1	2/2/2017 5:41:00 PM
p-Ethyltoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
sec-Butylbenzene	0.31	0.25	2.0	J	µg/L	1	2/2/2017 5:41:00 PM
Styrene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
t-Butyl alcohol	ND	2.5	10	U	µg/L	1	2/2/2017 5:41:00 PM
tert-Butylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
Tetrachloroethene	0.78	0.25	2.0	J	µg/L	1	2/2/2017 5:41:00 PM
Toluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
trans-1,2-Dichloroethene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
trans-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
Trichloroethene	0.53	0.25	2.0	J	µg/L	1	2/2/2017 5:41:00 PM
Trichlorofluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
Vinyl acetate	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
Vinyl chloride	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
Xylenes, Total	ND	0.75	6.0	U	µg/L	1	2/2/2017 5:41:00 PM
Acrolein	ND	1.0	10	U	µg/L	1	2/2/2017 5:41:00 PM
Acrylonitrile	ND	0.25	2.0	U	µg/L	1	2/2/2017 5:41:00 PM
Surr: 4-Bromofluorobenzene	104	0	62-132		%Rec	1	2/2/2017 5:41:00 PM
Surr: Dibromofluoromethane	92.4	0	72-131		%Rec	1	2/2/2017 5:41:00 PM
Surr: Toluene-d8	99.4	0	58-131		%Rec	1	2/2/2017 5:41:00 PM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	MW-11
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 11:40:00 AM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-008A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5030C</b>		Analyst: <b>KSS</b>
1,1,1,2-Tetrachloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
1,1,1-Trichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
1,1,2,2-Tetrachloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
1,1,2-Trichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
1,1-Dichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
1,1-Dichloroethene	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
1,1-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
1,2,3-Trichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
1,2,3-Trichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
1,2,4,5-Tetramethylbenzene	13	0.25	2.0		µg/L	1	2/2/2017 6:52:00 AM
1,2,4-Trichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
1,2,4-Trimethylbenzene	26	0.25	2.0		µg/L	1	2/2/2017 6:52:00 AM
1,2-Dibromo-3-chloropropane	ND	0.030	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
1,2-Dibromoethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
1,2-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
1,2-Dichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
1,2-Dichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
1,3,5-Trimethylbenzene	4.0	0.25	2.0		µg/L	1	2/2/2017 6:52:00 AM
1,3-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
1,3-dichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
1,4-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
1,4-Dioxane	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
2,2-Dichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
2-Butanone	2.1	0.50	4.0	J	µg/L	1	2/2/2017 6:52:00 AM
2-Chloroethyl vinyl ether	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
2-Chlorotoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
2-Hexanone	ND	0.50	4.0	U	µg/L	1	2/2/2017 6:52:00 AM
2-Propanol	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
4-Chlorotoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
4-Isopropyltoluene	0.92	0.25	2.0	J	µg/L	1	2/2/2017 6:52:00 AM
4-Methyl-2-pentanone	ND	0.50	4.0	U	µg/L	1	2/2/2017 6:52:00 AM
Acetone	6.4	1.0	4.0	B	µg/L	1	2/2/2017 6:52:00 AM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	MW-11
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 11:40:00 AM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-008A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5030C</b>		Analyst: <b>KSS</b>
Benzene	2.3	0.25	2.0		µg/L	1	2/2/2017 6:52:00 AM
Bromobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
Bromochloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
Bromodichloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
Bromoform	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
Bromomethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
Carbon disulfide	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
Carbon tetrachloride	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
Chlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
Chlorodifluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
Chloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
Chloroform	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
Chloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
cis-1,2-Dichloroethene	2.8	0.25	2.0		µg/L	1	2/2/2017 6:52:00 AM
cis-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
Cyclohexane	19	0.25	2.0		µg/L	1	2/2/2017 6:52:00 AM
Dibromochloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
Dibromomethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
Dichlorodifluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
Diisopropyl ether	ND	0.50	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
Ethanol	ND	2.5	10	U	µg/L	1	2/2/2017 6:52:00 AM
Ethylbenzene	15	0.25	2.0		µg/L	1	2/2/2017 6:52:00 AM
Freon-114	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
Hexachlorobutadiene	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
Isopropylbenzene	2.5	0.25	2.0		µg/L	1	2/2/2017 6:52:00 AM
m,p-Xylene	17	0.50	4.0		µg/L	1	2/2/2017 6:52:00 AM
Methyl Acetate	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
Methyl tert-butyl ether	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
Methylene chloride	5.9	1.0	4.0	B	µg/L	1	2/2/2017 6:52:00 AM
n-Butylbenzene	1.6	0.25	2.0	J	µg/L	1	2/2/2017 6:52:00 AM
n-Propylbenzene	3.1	0.25	2.0		µg/L	1	2/2/2017 6:52:00 AM
Naphthalene	60	0.25	2.0		µg/L	1	2/2/2017 6:52:00 AM
o-Xylene	3.9	0.25	2.0		µg/L	1	2/2/2017 6:52:00 AM

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**ELAP ID : 11418**

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	MW-11
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 11:40:00 AM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-008A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5030C</b>		Analyst: <b>KSS</b>
p-Diethylbenzene	4.1	0.25	2.0		µg/L	1	2/2/2017 6:52:00 AM
p-Ethyltoluene	7.9	0.25	2.0		µg/L	1	2/2/2017 6:52:00 AM
sec-Butylbenzene	0.73	0.25	2.0	J	µg/L	1	2/2/2017 6:52:00 AM
Styrene	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
t-Butyl alcohol	ND	2.5	10	U	µg/L	1	2/2/2017 6:52:00 AM
tert-Butylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
Tetrachloroethene	1.7	0.25	2.0	J	µg/L	1	2/2/2017 6:52:00 AM
Toluene	1.3	0.25	2.0	J	µg/L	1	2/2/2017 6:52:00 AM
trans-1,2-Dichloroethene	0.32	0.25	2.0	J	µg/L	1	2/2/2017 6:52:00 AM
trans-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
Trichloroethene	2.0	0.25	2.0	J	µg/L	1	2/2/2017 6:52:00 AM
Trichlorofluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
Vinyl acetate	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
Vinyl chloride	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
Xylenes, Total	21	0.75	6.0		µg/L	1	2/2/2017 6:52:00 AM
Acrolein	ND	1.0	10	U	µg/L	1	2/2/2017 6:52:00 AM
Acrylonitrile	ND	0.25	2.0	U	µg/L	1	2/2/2017 6:52:00 AM
Surr: 4-Bromofluorobenzene	100	0	62-132		%Rec	1	2/2/2017 6:52:00 AM
Surr: Dibromofluoromethane	103	0	72-131		%Rec	1	2/2/2017 6:52:00 AM
Surr: Toluene-d8	101	0	58-131		%Rec	1	2/2/2017 6:52:00 AM



# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	MW-11
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 11:40:00 AM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-008B		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3510C</b>		Analyst: <b>MH</b>
1,2,4-Trichlorobenzene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
1,2-Dichlorobenzene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
1,3-Dichlorobenzene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
1,4-Dichlorobenzene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
2,4-Dinitrotoluene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
2,6-Dinitrotoluene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
2-Chloronaphthalene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
2-Methylnaphthalene	91	0.50	5.0		µg/L	1	2/2/2017 4:19:00 PM
2-Nitroaniline	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
3,3'-Dichlorobenzidine	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
3-Nitroaniline	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
4-Bromophenyl phenyl ether	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
4-Chloroaniline	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
4-Chlorophenyl phenyl ether	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
4-Nitroaniline	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
Acenaphthene	3.5	0.50	5.0	J	µg/L	1	2/2/2017 4:19:00 PM
Acenaphthylene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
Aniline	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
Anthracene	1.1	0.50	5.0	J	µg/L	1	2/2/2017 4:19:00 PM
Azobenzene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
Benzidine	ND	1.0	10	U	µg/L	1	2/2/2017 4:19:00 PM
Benzo(a)anthracene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
Benzo(a)pyrene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
Benzo(b)fluoranthene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
Benzo(g,h,i)perylene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
Benzo(k)fluoranthene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
Benzyl alcohol	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
Bis(2-chloroethoxy)methane	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
Bis(2-chloroethyl)ether	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
Bis(2-chloroisopropyl)ether	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
Bis(2-ethylhexyl)phthalate	0.74	0.50	5.0	J	µg/L	1	2/2/2017 4:19:00 PM
Butyl benzyl phthalate	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
Carbazole	9.4	0.50	5.0		µg/L	1	2/2/2017 4:19:00 PM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	MW-11
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 11:40:00 AM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-008B		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3510C</b>		Analyst: <b>MH</b>
Chrysene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
Dibenzo(a,h)anthracene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
Dibenzofuran	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
Diethyl phthalate	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
Dimethyl phthalate	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
Di-n-butyl phthalate	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
Di-n-octyl phthalate	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
Fluoranthene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
Fluorene	4.5	0.50	5.0	J	µg/L	1	2/2/2017 4:19:00 PM
Hexachlorobenzene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
Hexachlorobutadiene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
Hexachlorocyclopentadiene	ND	1.0	10	U	µg/L	1	2/2/2017 4:19:00 PM
Hexachloroethane	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
Indeno(1,2,3-c,d)pyrene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
Isophorone	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
Naphthalene	93	0.50	5.0		µg/L	1	2/2/2017 4:19:00 PM
Nitrobenzene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
N-Nitrosodimethylamine	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
N-Nitrosodi-n-propylamine	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
N-Nitrosodiphenylamine	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
Phenanthrene	8.7	0.50	5.0		µg/L	1	2/2/2017 4:19:00 PM
Pyrene	1.1	0.50	5.0	J	µg/L	1	2/2/2017 4:19:00 PM
Pyridine	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:19:00 PM
Surr: 2-Fluorobiphenyl	69.0	0	20-138		%Rec	1	2/2/2017 4:19:00 PM
Surr: 4-Terphenyl-d14	67.3	0	28-141		%Rec	1	2/2/2017 4:19:00 PM
Surr: Nitrobenzene-d5	73.2	0	18-143		%Rec	1	2/2/2017 4:19:00 PM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	MW-12
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 11:50:00 AM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-009A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>	<b>SW5030C</b>	Analyst: <b>KSS</b>		
1,1,1,2-Tetrachloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
1,1,1-Trichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
1,1,2,2-Tetrachloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
1,1,2-Trichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
1,1-Dichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
1,1-Dichloroethene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
1,1-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
1,2,3-Trichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
1,2,3-Trichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
1,2,4,5-Tetramethylbenzene	42	0.25	2.0		µg/L	1	2/2/2017 7:22:00 AM
1,2,4-Trichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
1,2,4-Trimethylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
1,2-Dibromo-3-chloropropane	ND	0.030	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
1,2-Dibromoethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
1,2-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
1,2-Dichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
1,2-Dichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
1,3,5-Trimethylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
1,3-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
1,3-dichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
1,4-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
1,4-Dioxane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
2,2-Dichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
2-Butanone	ND	0.50	4.0	U	µg/L	1	2/2/2017 7:22:00 AM
2-Chloroethyl vinyl ether	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
2-Chlorotoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
2-Hexanone	ND	0.50	4.0	U	µg/L	1	2/2/2017 7:22:00 AM
2-Propanol	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
4-Chlorotoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
4-Isopropyltoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
4-Methyl-2-pentanone	ND	0.50	4.0	U	µg/L	1	2/2/2017 7:22:00 AM
Acetone	3.1	1.0	4.0	BJ	µg/L	1	2/2/2017 7:22:00 AM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	MW-12
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 11:50:00 AM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-009A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5030C</b>		Analyst: <b>KSS</b>
Benzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
Bromobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
Bromochloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
Bromodichloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
Bromoform	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
Bromomethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
Carbon disulfide	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
Carbon tetrachloride	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
Chlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
Chlorodifluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
Chloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
Chloroform	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
Chloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
cis-1,2-Dichloroethene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
cis-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
Cyclohexane	22	0.25	2.0		µg/L	1	2/2/2017 7:22:00 AM
Dibromochloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
Dibromomethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
Dichlorodifluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
Diisopropyl ether	ND	0.50	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
Ethanol	ND	2.5	10	U	µg/L	1	2/2/2017 7:22:00 AM
Ethylbenzene	2.7	0.25	2.0		µg/L	1	2/2/2017 7:22:00 AM
Freon-114	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
Hexachlorobutadiene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
Isopropylbenzene	2.8	0.25	2.0		µg/L	1	2/2/2017 7:22:00 AM
m,p-Xylene	ND	0.50	4.0	U	µg/L	1	2/2/2017 7:22:00 AM
Methyl Acetate	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
Methyl tert-butyl ether	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
Methylene chloride	5.8	1.0	4.0	B	µg/L	1	2/2/2017 7:22:00 AM
n-Butylbenzene	5.4	0.25	2.0		µg/L	1	2/2/2017 7:22:00 AM
n-Propylbenzene	4.5	0.25	2.0		µg/L	1	2/2/2017 7:22:00 AM
Naphthalene	71	0.25	2.0		µg/L	1	2/2/2017 7:22:00 AM
o-Xylene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	MW-12
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 11:50:00 AM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-009A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5030C</b>		Analyst: <b>KSS</b>
p-Diethylbenzene	3.6	0.25	2.0		µg/L	1	2/2/2017 7:22:00 AM
p-Ethyltoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
sec-Butylbenzene	3.4	0.25	2.0		µg/L	1	2/2/2017 7:22:00 AM
Styrene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
t-Butyl alcohol	ND	2.5	10	U	µg/L	1	2/2/2017 7:22:00 AM
tert-Butylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
Tetrachloroethene	0.93	0.25	2.0	J	µg/L	1	2/2/2017 7:22:00 AM
Toluene	0.26	0.25	2.0	J	µg/L	1	2/2/2017 7:22:00 AM
trans-1,2-Dichloroethene	1.5	0.25	2.0	J	µg/L	1	2/2/2017 7:22:00 AM
trans-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
Trichloroethene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
Trichlorofluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
Vinyl acetate	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
Vinyl chloride	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
Xylenes, Total	ND	0.75	6.0	U	µg/L	1	2/2/2017 7:22:00 AM
Acrolein	ND	1.0	10	U	µg/L	1	2/2/2017 7:22:00 AM
Acrylonitrile	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:22:00 AM
Surr: 4-Bromofluorobenzene	99.4	0	62-132		%Rec	1	2/2/2017 7:22:00 AM
Surr: Dibromofluoromethane	104	0	72-131		%Rec	1	2/2/2017 7:22:00 AM
Surr: Toluene-d8	102	0	58-131		%Rec	1	2/2/2017 7:22:00 AM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	MW-12
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 11:50:00 AM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-009B		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3510C</b>		Analyst: <b>MH</b>
1,2,4-Trichlorobenzene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
1,2-Dichlorobenzene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
1,3-Dichlorobenzene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
1,4-Dichlorobenzene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
2,4-Dinitrotoluene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
2,6-Dinitrotoluene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
2-Chloronaphthalene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
2-Methylnaphthalene	340	5.0	50	D	µg/L	10	2/3/2017 8:25:00 AM
2-Nitroaniline	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
3,3'-Dichlorobenzidine	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
3-Nitroaniline	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
4-Bromophenyl phenyl ether	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
4-Chloroaniline	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
4-Chlorophenyl phenyl ether	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
4-Nitroaniline	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
Acenaphthene	21	0.50	5.0		µg/L	1	2/2/2017 4:45:00 PM
Acenaphthylene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
Aniline	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
Anthracene	6.8	0.50	5.0		µg/L	1	2/2/2017 4:45:00 PM
Azobenzene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
Benzidine	ND	1.0	10	U	µg/L	1	2/2/2017 4:45:00 PM
Benzo(a)anthracene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
Benzo(a)pyrene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
Benzo(b)fluoranthene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
Benzo(g,h,i)perylene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
Benzo(k)fluoranthene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
Benzyl alcohol	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
Bis(2-chloroethoxy)methane	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
Bis(2-chloroethyl)ether	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
Bis(2-chloroisopropyl)ether	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
Bis(2-ethylhexyl)phthalate	0.79	0.50	5.0	J	µg/L	1	2/2/2017 4:45:00 PM
Butyl benzyl phthalate	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
Carbazole	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	MW-12
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 11:50:00 AM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-009B		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3510C</b>		Analyst: <b>MH</b>
Chrysene	0.57	0.50	5.0	J	µg/L	1	2/2/2017 4:45:00 PM
Dibenzo(a,h)anthracene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
Dibenzofuran	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
Diethyl phthalate	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
Dimethyl phthalate	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
Di-n-butyl phthalate	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
Di-n-octyl phthalate	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
Fluoranthene	3.1	0.50	5.0	J	µg/L	1	2/2/2017 4:45:00 PM
Fluorene	29	0.50	5.0		µg/L	1	2/2/2017 4:45:00 PM
Hexachlorobenzene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
Hexachlorobutadiene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
Hexachlorocyclopentadiene	ND	1.0	10	U	µg/L	1	2/2/2017 4:45:00 PM
Hexachloroethane	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
Indeno(1,2,3-c,d)pyrene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
Isophorone	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
Naphthalene	140	5.0	50	D	µg/L	10	2/3/2017 8:25:00 AM
Nitrobenzene	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
N-Nitrosodimethylamine	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
N-Nitrosodi-n-propylamine	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
N-Nitrosodiphenylamine	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
Phenanthrene	70	0.50	5.0		µg/L	1	2/2/2017 4:45:00 PM
Pyrene	7.4	0.50	5.0		µg/L	1	2/2/2017 4:45:00 PM
Pyridine	ND	0.50	5.0	U	µg/L	1	2/2/2017 4:45:00 PM
Surr: 2-Fluorobiphenyl	74.0	0	20-138		%Rec	1	2/2/2017 4:45:00 PM
Surr: 4-Terphenyl-d14	59.4	0	28-141		%Rec	1	2/2/2017 4:45:00 PM
Surr: Nitrobenzene-d5	83.5	0	18-143		%Rec	1	2/2/2017 4:45:00 PM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	BW-1
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 12:00:00 PM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-010A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>	<b>SW5030C</b>	Analyst: <b>KSS</b>		
1,1,1,2-Tetrachloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
1,1,1-Trichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
1,1,2,2-Tetrachloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
1,1,2-Trichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
1,1-Dichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
1,1-Dichloroethene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
1,1-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
1,2,3-Trichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
1,2,3-Trichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
1,2,4,5-Tetramethylbenzene	0.94	0.25	2.0	J	µg/L	1	2/2/2017 7:52:00 AM
1,2,4-Trichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
1,2,4-Trimethylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
1,2-Dibromo-3-chloropropane	ND	0.030	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
1,2-Dibromoethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
1,2-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
1,2-Dichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
1,2-Dichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
1,3,5-Trimethylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
1,3-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
1,3-dichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
1,4-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
1,4-Dioxane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
2,2-Dichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
2-Butanone	ND	0.50	4.0	U	µg/L	1	2/2/2017 7:52:00 AM
2-Chloroethyl vinyl ether	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
2-Chlorotoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
2-Hexanone	ND	0.50	4.0	U	µg/L	1	2/2/2017 7:52:00 AM
2-Propanol	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
4-Chlorotoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
4-Isopropyltoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
4-Methyl-2-pentanone	ND	0.50	4.0	U	µg/L	1	2/2/2017 7:52:00 AM
Acetone	1.7	1.0	4.0	BJ	µg/L	1	2/2/2017 7:52:00 AM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	BW-1
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 12:00:00 PM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-010A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5030C</b>		Analyst: <b>KSS</b>
Benzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
Bromobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
Bromochloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
Bromodichloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
Bromoform	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
Bromomethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
Carbon disulfide	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
Carbon tetrachloride	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
Chlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
Chlorodifluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
Chloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
Chloroform	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
Chloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
cis-1,2-Dichloroethene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
cis-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
Cyclohexane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
Dibromochloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
Dibromomethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
Dichlorodifluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
Diisopropyl ether	ND	0.50	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
Ethanol	ND	2.5	10	U	µg/L	1	2/2/2017 7:52:00 AM
Ethylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
Freon-114	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
Hexachlorobutadiene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
Isopropylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
m,p-Xylene	ND	0.50	4.0	U	µg/L	1	2/2/2017 7:52:00 AM
Methyl Acetate	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
Methyl tert-butyl ether	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
Methylene chloride	5.9	1.0	4.0	B	µg/L	1	2/2/2017 7:52:00 AM
n-Butylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
n-Propylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
Naphthalene	2.2	0.25	2.0		µg/L	1	2/2/2017 7:52:00 AM
o-Xylene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	BW-1
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 12:00:00 PM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-010A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>	<b>SW5030C</b>			Analyst: <b>KSS</b>
p-Diethylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
p-Ethyltoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
sec-Butylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
Styrene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
t-Butyl alcohol	ND	2.5	10	U	µg/L	1	2/2/2017 7:52:00 AM
tert-Butylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
Tetrachloroethene	0.68	0.25	2.0	J	µg/L	1	2/2/2017 7:52:00 AM
Toluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
trans-1,2-Dichloroethene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
trans-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
Trichloroethene	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
Trichlorofluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
Vinyl acetate	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
Vinyl chloride	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
Xylenes, Total	ND	0.75	6.0	U	µg/L	1	2/2/2017 7:52:00 AM
Acrolein	ND	1.0	10	U	µg/L	1	2/2/2017 7:52:00 AM
Acrylonitrile	ND	0.25	2.0	U	µg/L	1	2/2/2017 7:52:00 AM
Surr: 4-Bromofluorobenzene	105	0	62-132		%Rec	1	2/2/2017 7:52:00 AM
Surr: Dibromofluoromethane	105	0	72-131		%Rec	1	2/2/2017 7:52:00 AM
Surr: Toluene-d8	100	0	58-131		%Rec	1	2/2/2017 7:52:00 AM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	BW-2
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 12:15:00 PM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-011A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>	<b>SW5030C</b>	Analyst: <b>KSS</b>		
1,1,1,2-Tetrachloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
1,1,1-Trichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
1,1,2,2-Tetrachloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
1,1,2-Trichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
1,1-Dichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
1,1-Dichloroethene	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
1,1-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
1,2,3-Trichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
1,2,3-Trichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
1,2,4,5-Tetramethylbenzene	16	0.25	2.0		µg/L	1	2/2/2017 8:22:00 AM
1,2,4-Trichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
1,2,4-Trimethylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
1,2-Dibromo-3-chloropropane	ND	0.030	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
1,2-Dibromoethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
1,2-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
1,2-Dichloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
1,2-Dichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
1,3,5-Trimethylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
1,3-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
1,3-dichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
1,4-Dichlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
1,4-Dioxane	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
2,2-Dichloropropane	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
2-Butanone	ND	0.50	4.0	U	µg/L	1	2/2/2017 8:22:00 AM
2-Chloroethyl vinyl ether	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
2-Chlorotoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
2-Hexanone	ND	0.50	4.0	U	µg/L	1	2/2/2017 8:22:00 AM
2-Propanol	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
4-Chlorotoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
4-Isopropyltoluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
4-Methyl-2-pentanone	ND	0.50	4.0	U	µg/L	1	2/2/2017 8:22:00 AM
Acetone	2.6	1.0	4.0	BJ	µg/L	1	2/2/2017 8:22:00 AM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	BW-2
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 12:15:00 PM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-011A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5030C</b>		Analyst: <b>KSS</b>
Benzene	4.9	0.25	2.0		µg/L	1	2/2/2017 8:22:00 AM
Bromobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
Bromochloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
Bromodichloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
Bromoform	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
Bromomethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
Carbon disulfide	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
Carbon tetrachloride	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
Chlorobenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
Chlorodifluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
Chloroethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
Chloroform	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
Chloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
cis-1,2-Dichloroethene	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
cis-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
Cyclohexane	5.5	0.25	2.0		µg/L	1	2/2/2017 8:22:00 AM
Dibromochloromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
Dibromomethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
Dichlorodifluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
Diisopropyl ether	ND	0.50	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
Ethanol	ND	2.5	10	U	µg/L	1	2/2/2017 8:22:00 AM
Ethylbenzene	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
Freon-114	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
Hexachlorobutadiene	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
Isopropylbenzene	1.7	0.25	2.0	J	µg/L	1	2/2/2017 8:22:00 AM
m,p-Xylene	ND	0.50	4.0	U	µg/L	1	2/2/2017 8:22:00 AM
Methyl Acetate	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
Methyl tert-butyl ether	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
Methylene chloride	5.6	1.0	4.0	B	µg/L	1	2/2/2017 8:22:00 AM
n-Butylbenzene	2.9	0.25	2.0		µg/L	1	2/2/2017 8:22:00 AM
n-Propylbenzene	2.6	0.25	2.0		µg/L	1	2/2/2017 8:22:00 AM
Naphthalene	1.8	0.25	2.0	J	µg/L	1	2/2/2017 8:22:00 AM
o-Xylene	0.29	0.25	2.0	J	µg/L	1	2/2/2017 8:22:00 AM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-17

ELAP ID : 11418

<b>CLIENT:</b>	WRS d.b.a Berninger Environmental	<b>Client Sample ID:</b>	BW-2
<b>Lab Order:</b>	1701200	<b>Collection Date:</b>	1/31/2017 12:15:00 PM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1701200-011A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5030C</b>		Analyst: <b>KSS</b>
p-Diethylbenzene	1.7	0.25	2.0	J	µg/L	1	2/2/2017 8:22:00 AM
p-Ethyltoluene	0.69	0.25	2.0	J	µg/L	1	2/2/2017 8:22:00 AM
sec-Butylbenzene	0.93	0.25	2.0	J	µg/L	1	2/2/2017 8:22:00 AM
Styrene	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
t-Butyl alcohol	ND	2.5	10	U	µg/L	1	2/2/2017 8:22:00 AM
tert-Butylbenzene	0.32	0.25	2.0	J	µg/L	1	2/2/2017 8:22:00 AM
Tetrachloroethene	0.49	0.25	2.0	J	µg/L	1	2/2/2017 8:22:00 AM
Toluene	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
trans-1,2-Dichloroethene	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
trans-1,3-Dichloropropene	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
Trichloroethene	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
Trichlorofluoromethane	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
Vinyl acetate	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
Vinyl chloride	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
Xylenes, Total	ND	0.75	6.0	U	µg/L	1	2/2/2017 8:22:00 AM
Acrolein	ND	1.0	10	U	µg/L	1	2/2/2017 8:22:00 AM
Acrylonitrile	ND	0.25	2.0	U	µg/L	1	2/2/2017 8:22:00 AM
Surr: 4-Bromofluorobenzene	98.8	0	62-132		%Rec	1	2/2/2017 8:22:00 AM
Surr: Dibromofluoromethane	103	0	72-131		%Rec	1	2/2/2017 8:22:00 AM
Surr: Toluene-d8	101	0	58-131		%Rec	1	2/2/2017 8:22:00 AM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-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>	1701200	<b>Collection Date:</b>	1/31/2017 12:30:00 PM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	AIR
<b>Lab ID:</b>	1701200-012A		

## 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	2/1/2017 11:52:00 PM
1,1,1-Trichloroethane	ND	18	37	U	ppbv	1	2/1/2017 11:52:00 PM
1,1,2,2-Tetrachloroethane	ND	15	29	U	ppbv	1	2/1/2017 11:52:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	13	26	U	ppbv	1	2/1/2017 11:52:00 PM
1,1,2-Trichloroethane	ND	18	36	U	ppbv	1	2/1/2017 11:52:00 PM
1,1-Dichloroethane	ND	25	49	U	ppbv	1	2/1/2017 11:52:00 PM
1,1-Dichloroethene	ND	25	50	U	ppbv	1	2/1/2017 11:52:00 PM
1,1-Dichloropropene	ND	22	44	U	ppbv	1	2/1/2017 11:52:00 PM
1,2,3-Trichlorobenzene	ND	14	27	U	ppbv	1	2/1/2017 11:52:00 PM
1,2,3-Trichloropropane	ND	17	33	U	ppbv	1	2/1/2017 11:52:00 PM
1,2,4,5-Tetramethylbenzene	ND	18	36	U	ppbv	1	2/1/2017 11:52:00 PM
1,2,4-Trichlorobenzene	ND	14	27	U	ppbv	1	2/1/2017 11:52:00 PM
1,2,4-Trimethylbenzene	ND	20	41	U	ppbv	1	2/1/2017 11:52:00 PM
1,2-Dibromo-3-chloropropane	ND	10	21	U	ppbv	1	2/1/2017 11:52:00 PM
1,2-Dibromoethane	ND	13	26	U	ppbv	1	2/1/2017 11:52:00 PM
1,2-Dichlorobenzene	ND	17	33	U	ppbv	1	2/1/2017 11:52:00 PM
1,2-Dichloroethane	ND	25	49	U	ppbv	1	2/1/2017 11:52:00 PM
1,2-Dichloropropane	ND	21	43	U	ppbv	1	2/1/2017 11:52:00 PM
1,3,5-Trimethylbenzene	ND	20	41	U	ppbv	1	2/1/2017 11:52:00 PM
1,3-Dichlorobenzene	ND	17	33	U	ppbv	1	2/1/2017 11:52:00 PM
1,3-dichloropropane	ND	21	43	U	ppbv	1	2/1/2017 11:52:00 PM
1,4-Dichlorobenzene	ND	17	33	U	ppbv	1	2/1/2017 11:52:00 PM
1,4-Dioxane	ND	28	55	U	ppbv	1	2/1/2017 11:52:00 PM
2,2-Dichloropropane	ND	20	40	U	ppbv	1	2/1/2017 11:52:00 PM
2-Butanone	ND	68	140	U	ppbv	1	2/1/2017 11:52:00 PM
2-Chloroethyl vinyl ether	ND	46	92	U	ppbv	1	2/1/2017 11:52:00 PM
2-Chlorotoluene	ND	19	39	U	ppbv	1	2/1/2017 11:52:00 PM
2-Hexanone	ND	49	98	U	ppbv	1	2/1/2017 11:52:00 PM
2-Propanol	ND	40	81	U	ppbv	1	2/1/2017 11:52:00 PM
4-Chlorotoluene	ND	19	39	U	ppbv	1	2/1/2017 11:52:00 PM
4-Isopropyltoluene	ND	18	36	U	ppbv	1	2/1/2017 11:52:00 PM
4-Methyl-2-pentanone	ND	49	98	U	ppbv	1	2/1/2017 11:52:00 PM
Acetone	1700	84	170	B	ppbv	1	2/1/2017 11:52:00 PM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-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>	1701200	<b>Collection Date:</b>	1/31/2017 12:30:00 PM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	AIR
<b>Lab ID:</b>	1701200-012A		

## 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	2/1/2017 11:52:00 PM
Acrylonitrile	ND	46	92	U	ppbv	1	2/1/2017 11:52:00 PM
Benzene	ND	31	63	U	ppbv	1	2/1/2017 11:52:00 PM
Bromobenzene	ND	15	31	U	ppbv	1	2/1/2017 11:52:00 PM
Bromochloromethane	ND	19	38	U	ppbv	1	2/1/2017 11:52:00 PM
Bromodichloromethane	ND	15	30	U	ppbv	1	2/1/2017 11:52:00 PM
Bromoform	ND	10	19	U	ppbv	1	2/1/2017 11:52:00 PM
Bromomethane	ND	25	51	U	ppbv	1	2/1/2017 11:52:00 PM
Carbon disulfide	ND	32	34	U	ppbv	1	2/1/2017 11:52:00 PM
Carbon tetrachloride	ND	16	32	U	ppbv	1	2/1/2017 11:52:00 PM
Chlorobenzene	ND	22	44	U	ppbv	1	2/1/2017 11:52:00 PM
Chlorodifluoromethane	ND	28	57	U	ppbv	1	2/1/2017 11:52:00 PM
Chloroethane	ND	38	76	U	ppbv	1	2/1/2017 11:52:00 PM
Chloroform	ND	20	41	U	ppbv	1	2/1/2017 11:52:00 PM
Chloromethane	ND	48	96	U	ppbv	1	2/1/2017 11:52:00 PM
cis-1,2-Dichloroethene	1500	25	50		ppbv	1	2/1/2017 11:52:00 PM
cis-1,3-Dichloropropene	ND	25	50	U	ppbv	1	2/1/2017 11:52:00 PM
Dibromochloromethane	ND	12	24	U	ppbv	1	2/1/2017 11:52:00 PM
Dibromomethane	ND	14	28	U	ppbv	1	2/1/2017 11:52:00 PM
Dichlorodifluoromethane	ND	20	40	U	ppbv	1	2/1/2017 11:52:00 PM
Diisopropyl ether	ND	24	48	U	ppbv	1	2/1/2017 11:52:00 PM
Ethanol	ND	150	300	U	ppbv	1	2/1/2017 11:52:00 PM
Ethyl acetate	ND	28	55	U	ppbv	1	2/1/2017 11:52:00 PM
Ethylbenzene	ND	23	46	U	ppbv	1	2/1/2017 11:52:00 PM
Freon-114	ND	14	29	U	ppbv	1	2/1/2017 11:52:00 PM
Hexachlorobutadiene	ND	10	19	U	ppbv	1	2/1/2017 11:52:00 PM
Isopropyl acetate	ND	14	48	U	ppbv	1	2/1/2017 11:52:00 PM
Isopropylbenzene	ND	20	41	U	ppbv	1	2/1/2017 11:52:00 PM
m,p-Xylene	ND	46	92	U	ppbv	1	2/1/2017 11:52:00 PM
Methyl tert-butyl ether	ND	28	55	U	ppbv	1	2/1/2017 11:52:00 PM
Methylene chloride	2500	29	58	B	ppbv	1	2/1/2017 11:52:00 PM
n-Amyl acetate	ND	19	38	U	ppbv	1	2/1/2017 11:52:00 PM
n-Butyl acetate	ND	21	42	U	ppbv	1	2/1/2017 11:52:00 PM

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# American Analytical Laboratories, LLC.

Date: 07-Feb-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>	1701200	<b>Collection Date:</b>	1/31/2017 12:30:00 PM
<b>Project:</b>	Schmucklers Dry Cleaners; 358-364 North Ave,	<b>Matrix:</b>	AIR
<b>Lab ID:</b>	1701200-012A		

## 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	32	18	36	J	ppbv	1	2/1/2017 11:52:00 PM
n-Propyl acetate	ND	24	48	U	ppbv	1	2/1/2017 11:52:00 PM
n-Propylbenzene	ND	20	41	U	ppbv	1	2/1/2017 11:52:00 PM
Naphthalene	ND	19	38	U	ppbv	1	2/1/2017 11:52:00 PM
o-Xylene	ND	23	46	U	ppbv	1	2/1/2017 11:52:00 PM
p-Diethylbenzene	23	18	36	J	ppbv	1	2/1/2017 11:52:00 PM
p-Ethyltoluene	ND	20	41	U	ppbv	1	2/1/2017 11:52:00 PM
sec-Butylbenzene	ND	18	36	U	ppbv	1	2/1/2017 11:52:00 PM
Styrene	ND	23	47	U	ppbv	1	2/1/2017 11:52:00 PM
t-Butyl alcohol	ND	33	66	U	ppbv	1	2/1/2017 11:52:00 PM
tert-Butylbenzene	ND	18	36	U	ppbv	1	2/1/2017 11:52:00 PM
Tetrachloroethene	75	14	29		ppbv	1	2/1/2017 11:52:00 PM
Toluene	ND	26	53	U	ppbv	1	2/1/2017 11:52:00 PM
trans-1,2-Dichloroethene	ND	25	50	U	ppbv	1	2/1/2017 11:52:00 PM
trans-1,3-Dichloropropene	ND	22	44	U	ppbv	1	2/1/2017 11:52:00 PM
Trichloroethene	ND	18	37	U	ppbv	1	2/1/2017 11:52:00 PM
Trichlorofluoromethane	ND	18	36	U	ppbv	1	2/1/2017 11:52:00 PM
Vinyl acetate	ND	28	57	U	ppbv	1	2/1/2017 11:52:00 PM
Vinyl chloride	ND	39	78	U	ppbv	1	2/1/2017 11:52:00 PM
Xylenes, Total	ND	69	140	U	ppbv	1	2/1/2017 11:52:00 PM
Surr: 4-Bromofluorobenzene	98.0	0	62-132		%Rec	1	2/1/2017 11:52:00 PM
Surr: Dibromofluoromethane	94.7	0	72-131		%Rec	1	2/1/2017 11:52:00 PM
Surr: Toluene-d8	98.2	0	58-131		%Rec	1	2/1/2017 11:52:00 PM

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# QC SUMMARY REPORT

WO#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12494

Sample ID	LCS-12494	SampType:	LCS	TestCode:	8260_AIR	Units:	ppbv	Prep Date:	2/1/2017	RunNo:	22161
Client ID:	LCSW	Batch ID:	12494	TestNo:	SW8260C	SW5030C		Analysis Date:	2/1/2017	SeqNo:	406706
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	17000	50	20040	0	87.2	40	130				
Benzene	12000	63	15670	0	79.3	40	125				
Chlorobenzene	8700	44	10920	0	79.8	42	121				
Ethylbenzene	11000	46	13170	0	87.0	41	124				
Tetrachloroethene	4700	29	7364	0	63.6	34	120				
Toluene	11000	53	13430	0	81.9	49	126				
Trichloroethene	7900	37	9404	0	84.2	50	121				
Surr: 4-Bromofluorobenzene	6700		7026		96.0	62	132				
Surr: Dibromofluoromethane	11000		10820		97.7	72	131				
Surr: Toluene-d8	12000		12470		99.0	58	131				

Sample ID	MB-12494	SampType:	MBLK	TestCode:	8260_AIR	Units:	ppbv	Prep Date:	2/1/2017	RunNo:	22161
Client ID:	PBW	Batch ID:	12494	TestNo:	SW8260C	SW5030C		Analysis Date:	2/1/2017	SeqNo:	406707
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#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12494

Sample ID	MB-12494	SampType:	MBLK	TestCode:	8260_AIR	Units:	ppbv	Prep Date:	2/1/2017	RunNo:	22161
Client ID:	PBW	Batch ID:	12494	TestNo:	SW8260C	SW5030C		Analysis Date:	2/1/2017	SeqNo:	406707
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	1400	170									
Acrolein	ND	260									U
Acrylonitrile	ND	92									U
Benzene	ND	63									U

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WO#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12494

Sample ID	MB-12494	SampType:	MBLK	TestCode:	8260_AIR	Units:	ppbv	Prep Date:	2/1/2017	RunNo:	22161
Client ID:	PBW	Batch ID:	12494	TestNo:	SW8260C	SW5030C		Analysis Date:	2/1/2017	SeqNo:	406707
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

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# QC SUMMARY REPORT

WO#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12494

Sample ID	MB-12494	SampType:	MBLK	TestCode:	8260_AIR	Units:	ppbv	Prep Date:	2/1/2017	RunNo:	22161
Client ID:	PBW	Batch ID:	12494	TestNo:	SW8260C	SW5030C		Analysis Date:	2/1/2017	SeqNo:	406707
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	2500	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	6800		7026		96.2	62	132				
Surr: Dibromofluoromethane	10000		10820		95.0	72	131				

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# QC SUMMARY REPORT

WO#: 1701200  
07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12494

Sample ID	<b>MB-12494</b>	SampType:	<b>MBLK</b>	TestCode:	<b>8260_AIR</b>	Units:	<b>ppbv</b>	Prep Date:	<b>2/1/2017</b>	RunNo:	<b>22161</b>		
Client ID:	<b>PBW</b>	Batch ID:	<b>12494</b>	TestNo:	<b>SW8260C</b>	<b>SW5030C</b>		Analysis Date:	<b>2/1/2017</b>	SeqNo:	<b>406707</b>		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8		12000			12470		98.4	58	131				

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# QC SUMMARY REPORT

WO#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12495

Sample ID	LCS-12495	SampType: LCS	TestCode: 8260_W	Units: µg/L	Prep Date: 2/1/2017	RunNo: 22150					
Client ID: LCSW	Batch ID: 12495	TestNo: SW8260C	SW5030C	Analysis Date: 2/2/2017	SeqNo: 406505						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	40	2.0	50.00	0	79.7	54	134				
1,1,2,2-Tetrachloroethane	25	2.0	50.00	0	50.9	38	133				
1,1,2-Trichloroethane	28	2.0	50.00	0	55.5	53	132				
1,1-Dichloroethane	36	2.0	50.00	0	71.5	46	138				
1,1-Dichloroethene	44	2.0	50.00	0	87.9	47	137				
1,2-Dichlorobenzene	29	2.0	50.00	0	57.6	47	134				
1,2-Dichloroethane	29	2.0	50.00	0	58.4	52	136				
1,2-Dichloropropane	32	2.0	50.00	0	64.2	47	145				
1,3-Dichlorobenzene	31	2.0	50.00	0	61.6	47	136				
1,4-Dichlorobenzene	30	2.0	50.00	0	60.7	44	134				
2-Chloroethyl vinyl ether	ND	2.0	50.00	0	0	40	130				SU
Benzene	36	2.0	50.00	0	72.4	51	138				
Bromodichloromethane	32	2.0	50.00	0	64.5	48	143				
Bromoform	27	2.0	50.00	0	54.2	34	138				
Bromomethane	30	2.0	50.00	0	59.7	28	152				
Carbon tetrachloride	42	2.0	50.00	0	83.9	52	138				
Chlorobenzene	33	2.0	50.00	0	66.5	48	133				
Chloroethane	42	2.0	50.00	0	83.1	51	147				
Chloroform	34	2.0	50.00	0	68.6	54	136				
Chloromethane	37	2.0	50.00	0	73.1	58	146				
cis-1,3-Dichloropropene	30	2.0	50.00	0	60.9	52	138				
Dibromochloromethane	29	2.0	50.00	0	58.4	53	131				
Ethylbenzene	38	2.0	50.00	0	76.6	50	125				
Methylene chloride	27	4.0	50.00	0	54.9	13	100				B
Tetrachloroethene	31	2.0	50.00	0	62.3	44	126				
Toluene	37	2.0	50.00	0	73.7	54	134				

**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#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12495

Sample ID	<b>LCS-12495</b>	SampType:	<b>LCS</b>	TestCode:	<b>8260_W</b>	Units:	<b>µg/L</b>	Prep Date:	<b>2/1/2017</b>	RunNo:	<b>22150</b>	
Client ID:	<b>LCSW</b>	Batch ID:	<b>12495</b>	TestNo:	<b>SW8260C</b>	<b>SW5030C</b>		Analysis Date:	<b>2/2/2017</b>	SeqNo:	<b>406505</b>	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene		38	2.0	50.00	0	75.4	44	138				
trans-1,3-Dichloropropene		26	2.0	50.00	0	52.7	46	137				
Trichloroethene		38	2.0	50.00	0	76.1	52	134				
Trichlorofluoromethane		48	2.0	50.00	0	96.1	56	151				
Vinyl chloride		48	2.0	50.00	0	95.5	55	151				
Surr: 4-Bromofluorobenzene		50		50.00		99.3	62	132				
Surr: Dibromofluoromethane		48		50.00		95.9	72	131				
Surr: Toluene-d8		50		50.00		101	58	131				

Sample ID	<b>MB-12495</b>	SampType:	<b>MBLK</b>	TestCode:	<b>8260_W</b>	Units:	<b>µg/L</b>	Prep Date:	<b>2/1/2017</b>	RunNo:	<b>22150</b>	
Client ID:	<b>PBW</b>	Batch ID:	<b>12495</b>	TestNo:	<b>SW8260C</b>	<b>SW5030C</b>		Analysis Date:	<b>2/2/2017</b>	SeqNo:	<b>406506</b>	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		ND	2.0									U
1,1,1-Trichloroethane		ND	2.0									U
1,1,2,2-Tetrachloroethane		ND	2.0									U
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	2.0									U
1,1,2-Trichloroethane		ND	2.0									U
1,1-Dichloroethane		ND	2.0									U
1,1-Dichloroethene		ND	2.0									U
1,1-Dichloropropene		ND	2.0									U
1,2,3-Trichlorobenzene		ND	2.0									U
1,2,3-Trichloropropane		ND	2.0									U
1,2,4,5-Tetramethylbenzene		ND	2.0									U
1,2,4-Trichlorobenzene		ND	2.0									U

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# QC SUMMARY REPORT

WO#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12495

Sample ID	MB-12495	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	2/1/2017	RunNo:	22150
Client ID:	PBW	Batch ID:	12495	TestNo:	SW8260C	SW5030C		Analysis Date:	2/2/2017	SeqNo:	406506
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	2.0									U
1,2-Dibromo-3-chloropropane	ND	2.0									U
1,2-Dibromoethane	ND	2.0									U
1,2-Dichlorobenzene	ND	2.0									U
1,2-Dichloroethane	ND	2.0									U
1,2-Dichloropropane	ND	2.0									U
1,3,5-Trimethylbenzene	ND	2.0									U
1,3-Dichlorobenzene	ND	2.0									U
1,3-dichloropropane	ND	2.0									U
1,4-Dichlorobenzene	ND	2.0									U
1,4-Dioxane	ND	2.0									U
2,2-Dichloropropane	ND	2.0									U
2-Butanone	ND	4.0									U
2-Chloroethyl vinyl ether	ND	2.0									U
2-Chlorotoluene	ND	2.0									U
2-Hexanone	ND	4.0									U
2-Propanol	ND	2.0									U
4-Chlorotoluene	ND	2.0									U
4-Isopropyltoluene	ND	2.0									U
4-Methyl-2-pentanone	ND	4.0									U
Acetone	2.0	4.0									J
Benzene	ND	2.0									U
Bromobenzene	ND	2.0									U
Bromochloromethane	ND	2.0									U
Bromodichloromethane	ND	2.0									U
Bromoform	ND	2.0									U

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 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12495

Sample ID	MB-12495	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	2/1/2017	RunNo:	22150
Client ID:	PBW	Batch ID:	12495	TestNo:	SW8260C	SW5030C		Analysis Date:	2/2/2017	SeqNo:	406506
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	ND	2.0									U
Carbon disulfide	ND	2.0									U
Carbon tetrachloride	ND	2.0									U
Chlorobenzene	ND	2.0									U
Chlorodifluoromethane	ND	2.0									U
Chloroethane	ND	2.0									U
Chloroform	ND	2.0									U
Chloromethane	ND	2.0									U
cis-1,2-Dichloroethene	ND	2.0									U
cis-1,3-Dichloropropene	ND	2.0									U
Cyclohexane	ND	2.0									U
Dibromochloromethane	ND	2.0									U
Dibromomethane	ND	2.0									U
Dichlorodifluoromethane	ND	2.0									U
Diisopropyl ether	ND	2.0									U
Ethanol	ND	10									U
Ethylbenzene	ND	2.0									U
Freon-114	ND	2.0									U
Hexachlorobutadiene	ND	2.0									U
Isopropylbenzene	ND	2.0									U
m,p-Xylene	ND	4.0									U
Methyl Acetate	ND	2.0									U
Methyl tert-butyl ether	ND	2.0									U
Methylene chloride	5.1	4.0									
n-Butylbenzene	ND	2.0									U
n-Propylbenzene	ND	2.0									U

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 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12495

Sample ID	MB-12495	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	2/1/2017	RunNo:	22150
Client ID:	PBW	Batch ID:	12495	TestNo:	SW8260C	SW5030C		Analysis Date:	2/2/2017	SeqNo:	406506
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	2.0									U
o-Xylene	ND	2.0									U
p-Diethylbenzene	ND	2.0									U
p-Ethyltoluene	ND	2.0									U
sec-Butylbenzene	ND	2.0									U
Styrene	ND	2.0									U
t-Butyl alcohol	ND	10									U
tert-Butylbenzene	ND	2.0									U
Tetrachloroethene	ND	2.0									U
Toluene	ND	2.0									U
trans-1,2-Dichloroethene	ND	2.0									U
trans-1,3-Dichloropropene	ND	2.0									U
Trichloroethene	ND	2.0									U
Trichlorofluoromethane	ND	2.0									U
Vinyl acetate	ND	2.0									U
Vinyl chloride	ND	2.0									U
Xylenes, Total	ND	6.0									U
Acrolein	ND	10									U
Acrylonitrile	ND	2.0									U
Surr: 4-Bromofluorobenzene	49		50.00		98.2	62	132				
Surr: Dibromofluoromethane	44		50.00		87.9	72	131				
Surr: Toluene-d8	48		50.00		96.1	58	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#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12495

Sample ID	LCS-12495	SampType: LCS	TestCode: 8260_W	Units: µg/L	Prep Date: 2/1/2017	RunNo: 22143					
Client ID: LCSW	Batch ID: 12495	TestNo: SW8260C	SW5030C	Analysis Date: 2/2/2017	SeqNo: 406414						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	40	2.0	50.00	0	79.7	54	134				
1,1,2,2-Tetrachloroethane	25	2.0	50.00	0	50.9	38	133				
1,1,2-Trichloroethane	28	2.0	50.00	0	55.5	53	132				
1,1-Dichloroethane	36	2.0	50.00	0	71.5	46	138				
1,1-Dichloroethene	44	2.0	50.00	0	87.9	47	137				
1,2-Dichlorobenzene	29	2.0	50.00	0	57.6	47	134				
1,2-Dichloroethane	29	2.0	50.00	0	58.4	52	136				
1,2-Dichloropropane	32	2.0	50.00	0	64.2	47	145				
1,3-Dichlorobenzene	31	2.0	50.00	0	61.6	47	136				
1,4-Dichlorobenzene	30	2.0	50.00	0	60.7	44	134				
2-Chloroethyl vinyl ether	ND	2.0	50.00	0	0	40	130				SU
Benzene	36	2.0	50.00	0	72.4	51	138				
Bromodichloromethane	32	2.0	50.00	0	64.5	48	143				
Bromoform	27	2.0	50.00	0	54.2	34	138				
Bromomethane	30	2.0	50.00	0	59.7	28	152				
Carbon tetrachloride	42	2.0	50.00	0	83.9	52	138				
Chlorobenzene	33	2.0	50.00	0	66.5	48	133				
Chloroethane	42	2.0	50.00	0	83.1	51	147				
Chloroform	34	2.0	50.00	0	68.6	54	136				
Chloromethane	37	2.0	50.00	0	73.1	58	146				
cis-1,3-Dichloropropene	30	2.0	50.00	0	60.9	52	138				
Dibromochloromethane	29	2.0	50.00	0	58.4	53	131				
Ethylbenzene	38	2.0	50.00	0	76.6	50	125				
Methylene chloride	27	4.0	50.00	0	54.9	13	100				B
Tetrachloroethene	31	2.0	50.00	0	62.3	44	126				
Toluene	37	2.0	50.00	0	73.7	54	134				

**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#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12495

Sample ID	<b>LCS-12495</b>	SampType:	<b>LCS</b>	TestCode:	<b>8260_W</b>	Units:	<b>µg/L</b>	Prep Date:	<b>2/1/2017</b>	RunNo:	<b>22143</b>	
Client ID:	<b>LCSW</b>	Batch ID:	<b>12495</b>	TestNo:	<b>SW8260C</b>	<b>SW5030C</b>		Analysis Date:	<b>2/2/2017</b>	SeqNo:	<b>406414</b>	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene		38	2.0	50.00	0	75.4	44	138				
trans-1,3-Dichloropropene		26	2.0	50.00	0	52.7	46	137				
Trichloroethene		38	2.0	50.00	0	76.1	52	134				
Trichlorofluoromethane		48	2.0	50.00	0	96.1	56	151				
Vinyl chloride		48	2.0	50.00	0	95.5	55	151				
Surr: 4-Bromofluorobenzene		50		50.00		99.3	62	132				
Surr: Dibromofluoromethane		48		50.00		95.9	72	131				
Surr: Toluene-d8		50		50.00		101	58	131				

Sample ID	<b>MB-12495</b>	SampType:	<b>MBLK</b>	TestCode:	<b>8260_W</b>	Units:	<b>µg/L</b>	Prep Date:	<b>2/1/2017</b>	RunNo:	<b>22143</b>	
Client ID:	<b>PBW</b>	Batch ID:	<b>12495</b>	TestNo:	<b>SW8260C</b>	<b>SW5030C</b>		Analysis Date:	<b>2/2/2017</b>	SeqNo:	<b>406415</b>	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		ND	2.0									U
1,1,1-Trichloroethane		ND	2.0									U
1,1,2,2-Tetrachloroethane		ND	2.0									U
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	2.0									U
1,1,2-Trichloroethane		ND	2.0									U
1,1-Dichloroethane		ND	2.0									U
1,1-Dichloroethene		ND	2.0									U
1,1-Dichloropropene		ND	2.0									U
1,2,3-Trichlorobenzene		ND	2.0									U
1,2,3-Trichloropropane		ND	2.0									U
1,2,4,5-Tetramethylbenzene		ND	2.0									U
1,2,4-Trichlorobenzene		ND	2.0									U

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# QC SUMMARY REPORT

WO#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12495

Sample ID	MB-12495	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	2/1/2017	RunNo:	22143
Client ID:	PBW	Batch ID:	12495	TestNo:	SW8260C	SW5030C		Analysis Date:	2/2/2017	SeqNo:	406415
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	2.0									U
1,2-Dibromo-3-chloropropane	ND	2.0									U
1,2-Dibromoethane	ND	2.0									U
1,2-Dichlorobenzene	ND	2.0									U
1,2-Dichloroethane	ND	2.0									U
1,2-Dichloropropane	ND	2.0									U
1,3,5-Trimethylbenzene	ND	2.0									U
1,3-Dichlorobenzene	ND	2.0									U
1,3-dichloropropane	ND	2.0									U
1,4-Dichlorobenzene	ND	2.0									U
1,4-Dioxane	ND	2.0									U
2,2-Dichloropropane	ND	2.0									U
2-Butanone	ND	4.0									U
2-Chloroethyl vinyl ether	ND	2.0									U
2-Chlorotoluene	ND	2.0									U
2-Hexanone	ND	4.0									U
2-Propanol	ND	2.0									U
4-Chlorotoluene	ND	2.0									U
4-Isopropyltoluene	ND	2.0									U
4-Methyl-2-pentanone	ND	4.0									U
Acetone	2.0	4.0									J
Benzene	ND	2.0									U
Bromobenzene	ND	2.0									U
Bromochloromethane	ND	2.0									U
Bromodichloromethane	ND	2.0									U
Bromoform	ND	2.0									U

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WO#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12495

Sample ID	MB-12495	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	2/1/2017	RunNo:	22143
Client ID:	PBW	Batch ID:	12495	TestNo:	SW8260C	SW5030C		Analysis Date:	2/2/2017	SeqNo:	406415
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	ND	2.0									U
Carbon disulfide	ND	2.0									U
Carbon tetrachloride	ND	2.0									U
Chlorobenzene	ND	2.0									U
Chlorodifluoromethane	ND	2.0									U
Chloroethane	ND	2.0									U
Chloroform	ND	2.0									U
Chloromethane	ND	2.0									U
cis-1,2-Dichloroethene	ND	2.0									U
cis-1,3-Dichloropropene	ND	2.0									U
Cyclohexane	ND	2.0									U
Dibromochloromethane	ND	2.0									U
Dibromomethane	ND	2.0									U
Dichlorodifluoromethane	ND	2.0									U
Diisopropyl ether	ND	2.0									U
Ethanol	ND	10									U
Ethylbenzene	ND	2.0									U
Freon-114	ND	2.0									U
Hexachlorobutadiene	ND	2.0									U
Isopropylbenzene	ND	2.0									U
m,p-Xylene	ND	4.0									U
Methyl Acetate	ND	2.0									U
Methyl tert-butyl ether	ND	2.0									U
Methylene chloride	5.1	4.0									
n-Butylbenzene	ND	2.0									U
n-Propylbenzene	ND	2.0									U

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 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12495

Sample ID	MB-12495	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	2/1/2017	RunNo:	22143
Client ID:	PBW	Batch ID:	12495	TestNo:	SW8260C	SW5030C		Analysis Date:	2/2/2017	SeqNo:	406415
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	2.0									U
o-Xylene	ND	2.0									U
p-Diethylbenzene	ND	2.0									U
p-Ethyltoluene	ND	2.0									U
sec-Butylbenzene	ND	2.0									U
Styrene	ND	2.0									U
t-Butyl alcohol	ND	10									U
tert-Butylbenzene	ND	2.0									U
Tetrachloroethene	ND	2.0									U
Toluene	ND	2.0									U
trans-1,2-Dichloroethene	ND	2.0									U
trans-1,3-Dichloropropene	ND	2.0									U
Trichloroethene	ND	2.0									U
Trichlorofluoromethane	ND	2.0									U
Vinyl acetate	ND	2.0									U
Vinyl chloride	ND	2.0									U
Xylenes, Total	ND	6.0									U
Acrolein	ND	10									U
Acrylonitrile	ND	2.0									U
Surr: 4-Bromofluorobenzene	49		50.00		98.2	62	132				
Surr: Dibromofluoromethane	44		50.00		87.9	72	131				
Surr: Toluene-d8	48		50.00		96.1	58	131				

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# QC SUMMARY REPORT

WO#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12495

Sample ID	LCS-12495	SampType: LCS	TestCode: 8260_W	Units: µg/L	Prep Date: 2/1/2017	RunNo: 22139					
Client ID: LCSW	Batch ID: 12495	TestNo: SW8260C	SW5030C	Analysis Date: 2/2/2017	SeqNo: 406374						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	40	2.0	50.00	0	79.7	54	134				
1,1,2,2-Tetrachloroethane	25	2.0	50.00	0	50.9	38	133				
1,1,2-Trichloroethane	28	2.0	50.00	0	55.5	53	132				
1,1-Dichloroethane	36	2.0	50.00	0	71.5	46	138				
1,1-Dichloroethene	44	2.0	50.00	0	87.9	47	137				
1,2-Dichlorobenzene	29	2.0	50.00	0	57.6	47	134				
1,2-Dichloroethane	29	2.0	50.00	0	58.4	52	136				
1,2-Dichloropropane	32	2.0	50.00	0	64.2	47	145				
1,3-Dichlorobenzene	31	2.0	50.00	0	61.6	47	136				
1,4-Dichlorobenzene	30	2.0	50.00	0	60.7	44	134				
2-Chloroethyl vinyl ether	ND	2.0	50.00	0	0	40	130				SU
Benzene	36	2.0	50.00	0	72.4	51	138				
Bromodichloromethane	32	2.0	50.00	0	64.5	48	143				
Bromoform	27	2.0	50.00	0	54.2	34	138				
Bromomethane	30	2.0	50.00	0	59.7	28	152				
Carbon tetrachloride	42	2.0	50.00	0	83.9	52	138				
Chlorobenzene	33	2.0	50.00	0	66.5	48	133				
Chloroethane	42	2.0	50.00	0	83.1	51	147				
Chloroform	34	2.0	50.00	0	68.6	54	136				
Chloromethane	37	2.0	50.00	0	73.1	58	146				
cis-1,3-Dichloropropene	30	2.0	50.00	0	60.9	52	138				
Dibromochloromethane	29	2.0	50.00	0	58.4	53	131				
Ethylbenzene	38	2.0	50.00	0	76.6	50	125				
Methylene chloride	27	4.0	50.00	0	54.9	13	100				B
Tetrachloroethene	31	2.0	50.00	0	62.3	44	126				
Toluene	37	2.0	50.00	0	73.7	54	134				

**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#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12495

Sample ID	LCS-12495	SampType:	LCS	TestCode:	8260_W	Units:	µg/L	Prep Date:	2/1/2017	RunNo:	22139
Client ID:	LCSW	Batch ID:	12495	TestNo:	SW8260C	SW5030C		Analysis Date:	2/2/2017	SeqNo:	406374
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	38	2.0	50.00	0	75.4	44	138				
trans-1,3-Dichloropropene	26	2.0	50.00	0	52.7	46	137				
Trichloroethene	38	2.0	50.00	0	76.1	52	134				
Trichlorofluoromethane	48	2.0	50.00	0	96.1	56	151				
Vinyl chloride	48	2.0	50.00	0	95.5	55	151				
Surr: 4-Bromofluorobenzene	50		50.00		99.3	62	132				
Surr: Dibromofluoromethane	48		50.00		95.9	72	131				
Surr: Toluene-d8	50		50.00		101	58	131				

Sample ID	MB-12495	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	2/1/2017	RunNo:	22139
Client ID:	PBW	Batch ID:	12495	TestNo:	SW8260C	SW5030C		Analysis Date:	2/2/2017	SeqNo:	406375
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	2.0									U
1,1,1-Trichloroethane	ND	2.0									U
1,1,2,2-Tetrachloroethane	ND	2.0									U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.0									U
1,1,2-Trichloroethane	ND	2.0									U
1,1-Dichloroethane	ND	2.0									U
1,1-Dichloroethene	ND	2.0									U
1,1-Dichloropropene	ND	2.0									U
1,2,3-Trichlorobenzene	ND	2.0									U
1,2,3-Trichloropropane	ND	2.0									U
1,2,4,5-Tetramethylbenzene	ND	2.0									U
1,2,4-Trichlorobenzene	ND	2.0									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#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12495

Sample ID	MB-12495	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	2/1/2017	RunNo:	22139
Client ID:	PBW	Batch ID:	12495	TestNo:	SW8260C	SW5030C		Analysis Date:	2/2/2017	SeqNo:	406375
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	2.0									U
1,2-Dibromo-3-chloropropane	ND	2.0									U
1,2-Dibromoethane	ND	2.0									U
1,2-Dichlorobenzene	ND	2.0									U
1,2-Dichloroethane	ND	2.0									U
1,2-Dichloropropane	ND	2.0									U
1,3,5-Trimethylbenzene	ND	2.0									U
1,3-Dichlorobenzene	ND	2.0									U
1,3-dichloropropane	ND	2.0									U
1,4-Dichlorobenzene	ND	2.0									U
1,4-Dioxane	ND	2.0									U
2,2-Dichloropropane	ND	2.0									U
2-Butanone	ND	4.0									U
2-Chloroethyl vinyl ether	ND	2.0									U
2-Chlorotoluene	ND	2.0									U
2-Hexanone	ND	4.0									U
2-Propanol	ND	2.0									U
4-Chlorotoluene	ND	2.0									U
4-Isopropyltoluene	ND	2.0									U
4-Methyl-2-pentanone	ND	4.0									U
Acetone	2.0	4.0									J
Benzene	ND	2.0									U
Bromobenzene	ND	2.0									U
Bromochloromethane	ND	2.0									U
Bromodichloromethane	ND	2.0									U
Bromoform	ND	2.0									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#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12495

Sample ID	MB-12495	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	2/1/2017	RunNo:	22139
Client ID:	PBW	Batch ID:	12495	TestNo:	SW8260C	SW5030C		Analysis Date:	2/2/2017	SeqNo:	406375
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	ND	2.0									U
Carbon disulfide	ND	2.0									U
Carbon tetrachloride	ND	2.0									U
Chlorobenzene	ND	2.0									U
Chlorodifluoromethane	ND	2.0									U
Chloroethane	ND	2.0									U
Chloroform	ND	2.0									U
Chloromethane	ND	2.0									U
cis-1,2-Dichloroethene	ND	2.0									U
cis-1,3-Dichloropropene	ND	2.0									U
Cyclohexane	ND	2.0									U
Dibromochloromethane	ND	2.0									U
Dibromomethane	ND	2.0									U
Dichlorodifluoromethane	ND	2.0									U
Diisopropyl ether	ND	2.0									U
Ethanol	ND	10									U
Ethylbenzene	ND	2.0									U
Freon-114	ND	2.0									U
Hexachlorobutadiene	ND	2.0									U
Isopropylbenzene	ND	2.0									U
m,p-Xylene	ND	4.0									U
Methyl Acetate	ND	2.0									U
Methyl tert-butyl ether	ND	2.0									U
Methylene chloride	5.1	4.0									
n-Butylbenzene	ND	2.0									U
n-Propylbenzene	ND	2.0									U

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 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12495

Sample ID	MB-12495	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	2/1/2017	RunNo:	22139
Client ID:	PBW	Batch ID:	12495	TestNo:	SW8260C	SW5030C		Analysis Date:	2/2/2017	SeqNo:	406375
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	2.0									U
o-Xylene	ND	2.0									U
p-Diethylbenzene	ND	2.0									U
p-Ethyltoluene	ND	2.0									U
sec-Butylbenzene	ND	2.0									U
Styrene	ND	2.0									U
t-Butyl alcohol	ND	10									U
tert-Butylbenzene	ND	2.0									U
Tetrachloroethene	ND	2.0									U
Toluene	ND	2.0									U
trans-1,2-Dichloroethene	ND	2.0									U
trans-1,3-Dichloropropene	ND	2.0									U
Trichloroethene	ND	2.0									U
Trichlorofluoromethane	ND	2.0									U
Vinyl acetate	ND	2.0									U
Vinyl chloride	ND	2.0									U
Xylenes, Total	ND	6.0									U
Acrolein	ND	10									U
Acrylonitrile	ND	2.0									U
Surr: 4-Bromofluorobenzene	49		50.00		98.2	62	132				
Surr: Dibromofluoromethane	44		50.00		87.9	72	131				
Surr: Toluene-d8	48		50.00		96.1	58	131				

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



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

# QC SUMMARY REPORT

WO#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12498

Sample ID	<b>LCS-12498</b>	SampType:	<b>LCS</b>	TestCode:	<b>8270BN_W</b>	Units:	<b>µg/L</b>	Prep Date:	<b>2/2/2017</b>	RunNo:	<b>22097</b>			
Client ID:	<b>LCSW</b>	Batch ID:	<b>12498</b>	TestNo:	<b>SW8270D</b>	<b>SW3510C</b>		Analysis Date:	<b>2/2/2017</b>	SeqNo:	<b>405860</b>			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3'-Dichlorobenzidine		23		5.0	40.00	0		57.1	12	142				
Benzidine		7.8		10	40.00	0		19.6	1	100				J

Sample ID	<b>MB-12498</b>	SampType:	<b>MBLK</b>	TestCode:	<b>8270BN_W</b>	Units:	<b>µg/L</b>	Prep Date:	<b>2/2/2017</b>	RunNo:	<b>22097</b>			
Client ID:	<b>PBW</b>	Batch ID:	<b>12498</b>	TestNo:	<b>SW8270D</b>	<b>SW3510C</b>		Analysis Date:	<b>2/2/2017</b>	SeqNo:	<b>405861</b>			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3'-Dichlorobenzidine		ND		5.0										U
Benzidine		ND		10										U

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# QC SUMMARY REPORT

WO#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12498

Sample ID	LCS-12498	SampType: LCS	TestCode: 8270BN_W	Units: µg/L	Prep Date: 2/2/2017	RunNo: 22096					
Client ID: LCSW	Batch ID: 12498	TestNo: SW8270D	SW3510C	Analysis Date: 2/2/2017	SeqNo: 405853						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	32	5.0	40.00	0	80.0	20	128				
1,2-Dichlorobenzene	32	5.0	40.00	0	80.4	23	130				
1,3-Dichlorobenzene	31	5.0	40.00	0	77.1	20	131				
1,4-Dichlorobenzene	31	5.0	40.00	0	78.4	20	134				
2,4-Dinitrotoluene	30	5.0	40.00	0	74.9	28	149				
2,6-Dinitrotoluene	29	5.0	40.00	0	73.0	34	138				
2-Chloronaphthalene	33	5.0	40.00	0	82.6	37	140				
2-Methylnaphthalene	ND	5.0		0	0	47	120				U
2-Nitroaniline	ND	5.0		0	0	47	128				U
3-Nitroaniline	ND	5.0		0	0	38	120				U
4-Bromophenyl phenyl ether	33	5.0	40.00	0	83.6	38	140				
4-Chloroaniline	ND	5.0		0	0	15	102				U
4-Chlorophenyl phenyl ether	34	5.0	40.00	0	83.9	39	138				
4-Nitroaniline	ND	5.0		0	0	36	125				U
Acenaphthene	31	5.0	40.00	0	78.2	34	144				
Acenaphthylene	32	5.0	40.00	0	80.9	32	144				
Aniline	ND	5.0		0	0	20	120				U
Anthracene	32	5.0	40.00	0	80.7	34	141				
Azobenzene	32	5.0	40.00	0	81.1	40	120				
Benzo(a)anthracene	33	5.0	40.00	0	83.3	36	143				
Benzo(a)pyrene	33	5.0	40.00	0	82.3	32	137				
Benzo(b)fluoranthene	33	5.0	40.00	0	81.5	38	141				
Benzo(g,h,i)perylene	34	5.0	40.00	0	85.1	29	147				
Benzo(k)fluoranthene	36	5.0	40.00	0	88.8	38	141				
Benzyl alcohol	ND	5.0		0	0	25	115				U
Bis(2-chloroethoxy)methane	32	5.0	40.00	0	81.0	29	135				

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# QC SUMMARY REPORT

WO#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12498

Sample ID	LCS-12498	SampType: LCS	TestCode: 8270BN_W	Units: µg/L	Prep Date: 2/2/2017	RunNo: 22096					
Client ID: LCSW	Batch ID: 12498	TestNo: SW8270D	SW3510C	Analysis Date: 2/2/2017	SeqNo: 405853						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-chloroethyl)ether	34	5.0	40.00	0	85.3	29	144				
Bis(2-chloroisopropyl)ether	32	5.0	40.00	0	81.1	29	141				
Bis(2-ethylhexyl)phthalate	32	5.0	40.00	0	79.3	20	153				
Butyl benzyl phthalate	33	5.0	40.00	0	81.5	29	149				
Carbazole	ND	5.0		0	0	40	125				U
Chrysene	33	5.0	40.00	0	81.5	34	139				
Di-n-butyl phthalate	32	5.0	40.00	0	81.0	34	152				
Di-n-octyl phthalate	31	5.0	40.00	0	77.0	33	148				
Dibenzo(a,h)anthracene	35	5.0	40.00	0	86.8	36	146				
Dibenzofuran	31	5.0	40.00	0	78.1	40	120				
Diethyl phthalate	32	5.0	40.00	0	80.8	41	146				
Dimethyl phthalate	24	5.0	40.00	0	59.9	28	136				
Fluoranthene	35	5.0	40.00	0	86.4	34	144				
Fluorene	33	5.0	40.00	0	83.2	40	139				
Hexachlorobenzene	34	5.0	40.00	0	84.1	37	137				
Hexachlorobutadiene	34	5.0	40.00	0	84.3	23	138				
Hexachlorocyclopentadiene	33	10	40.00	0	83.3	12	134				
Hexachloroethane	33	5.0	40.00	0	82.6	16	135				
Indeno(1,2,3-c,d)pyrene	36	5.0	40.00	0	89.5	37	145				
Isophorone	33	5.0	40.00	0	83.3	30	130				
N-Nitrosodi-n-propylamine	33	5.0	40.00	0	83.0	30	136				
N-Nitrosodimethylamine	15	5.0	40.00	0	37.2	11	100				
N-Nitrosodiphenylamine	30	5.0	40.00	0	74.6	25	143				
Naphthalene	32	5.0	40.00	0	78.8	28	133				
Nitrobenzene	32	5.0	40.00	0	80.6	34	131				
Phenanthrene	33	5.0	40.00	0	81.3	36	137				

**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#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12498

Sample ID	<b>LCS-12498</b>	SampType:	<b>LCS</b>	TestCode:	<b>8270BN_W</b>	Units:	<b>µg/L</b>	Prep Date:	<b>2/2/2017</b>	RunNo:	<b>22096</b>					
Client ID:	<b>LCSW</b>	Batch ID:	<b>12498</b>	TestNo:	<b>SW8270D</b>	<b>SW3510C</b>		Analysis Date:	<b>2/2/2017</b>	SeqNo:	<b>405853</b>					
Analyte		Result		PQL		SPK value		SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pyrene		32		5.0		40.00		0		81.0	36	146				
Pyridine		ND		5.0				0		0	11	105				U
Surr: 2-Fluorobiphenyl		16				20.00				78.9	20	138				
Surr: 4-Terphenyl-d14		16				20.00				81.2	28	141				
Surr: Nitrobenzene-d5		16				20.00				81.1	18	143				

Sample ID	<b>MB-12498</b>	SampType:	<b>MBLK</b>	TestCode:	<b>8270BN_W</b>	Units:	<b>µg/L</b>	Prep Date:	<b>2/2/2017</b>	RunNo:	<b>22096</b>					
Client ID:	<b>PBW</b>	Batch ID:	<b>12498</b>	TestNo:	<b>SW8270D</b>	<b>SW3510C</b>		Analysis Date:	<b>2/2/2017</b>	SeqNo:	<b>405854</b>					
Analyte		Result		PQL		SPK value		SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene		ND		5.0												U
1,2-Dichlorobenzene		ND		5.0												U
1,3-Dichlorobenzene		ND		5.0												U
1,4-Dichlorobenzene		ND		5.0												U
2,4-Dinitrotoluene		ND		5.0												U
2,6-Dinitrotoluene		ND		5.0												U
2-Chloronaphthalene		ND		5.0												U
2-Methylnaphthalene		ND		5.0												U
2-Nitroaniline		ND		5.0												U
3-Nitroaniline		ND		5.0												U
4-Bromophenyl phenyl ether		ND		5.0												U
4-Chloroaniline		ND		5.0												U
4-Chlorophenyl phenyl ether		ND		5.0												U
4-Nitroaniline		ND		5.0												U
Acenaphthene		ND		5.0												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#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12498

Sample ID	MB-12498	SampType:	MBLK	TestCode:	8270BN_W	Units:	µg/L	Prep Date:	2/2/2017	RunNo:	22096
Client ID:	PBW	Batch ID:	12498	TestNo:	SW8270D	SW3510C		Analysis Date:	2/2/2017	SeqNo:	405854
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthylene	ND	5.0									U
Aniline	ND	5.0									U
Anthracene	ND	5.0									U
Azobenzene	ND	5.0									U
Benzo(a)anthracene	ND	5.0									U
Benzo(a)pyrene	ND	5.0									U
Benzo(b)fluoranthene	ND	5.0									U
Benzo(g,h,i)perylene	ND	5.0									U
Benzo(k)fluoranthene	ND	5.0									U
Benzyl alcohol	ND	5.0									U
Bis(2-chloroethoxy)methane	ND	5.0									U
Bis(2-chloroethyl)ether	ND	5.0									U
Bis(2-chloroisopropyl)ether	ND	5.0									U
Bis(2-ethylhexyl)phthalate	ND	5.0									U
Butyl benzyl phthalate	ND	5.0									U
Carbazole	ND	5.0									U
Chrysene	ND	5.0									U
Di-n-butyl phthalate	ND	5.0									U
Di-n-octyl phthalate	ND	5.0									U
Dibenzo(a,h)anthracene	ND	5.0									U
Dibenzofuran	ND	5.0									U
Diethyl phthalate	ND	5.0									U
Dimethyl phthalate	ND	5.0									U
Fluoranthene	ND	5.0									U
Fluorene	ND	5.0									U
Hexachlorobenzene	ND	5.0									U

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# QC SUMMARY REPORT

WO#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12498

Sample ID	MB-12498	SampType:	MBLK	TestCode:	8270BN_W	Units:	µg/L	Prep Date:	2/2/2017	RunNo:	22096
Client ID:	PBW	Batch ID:	12498	TestNo:	SW8270D	SW3510C		Analysis Date:	2/2/2017	SeqNo:	405854
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	ND	5.0									U
Hexachlorocyclopentadiene	ND	10									U
Hexachloroethane	ND	5.0									U
Indeno(1,2,3-c,d)pyrene	ND	5.0									U
Isophorone	ND	5.0									U
N-Nitrosodi-n-propylamine	ND	5.0									U
N-Nitrosodimethylamine	ND	5.0									U
N-Nitrosodiphenylamine	ND	5.0									U
Naphthalene	ND	5.0									U
Nitrobenzene	ND	5.0									U
Phenanthrene	ND	5.0									U
Pyrene	ND	5.0									U
Pyridine	ND	5.0									U
Surr: 2-Fluorobiphenyl	15		20.00		75.3	20	138				
Surr: 4-Terphenyl-d14	16		20.00		80.1	28	141				
Surr: Nitrobenzene-d5	15		20.00		74.4	18	143				

**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#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12505

Sample ID	LCS-12505	SampType: LCS	TestCode: 8260_W	Units: µg/L	Prep Date: 2/2/2017	RunNo: 22153					
Client ID: LCSW	Batch ID: 12505	TestNo: SW8260C	SW5030C	Analysis Date: 2/2/2017	SeqNo: 406595						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	37	2.0	50.00	0	74.9	54	134				
1,1,2,2-Tetrachloroethane	26	2.0	50.00	0	52.0	38	133				
1,1,2-Trichloroethane	31	2.0	50.00	0	62.6	53	132				
1,1-Dichloroethane	37	2.0	50.00	0	74.1	46	138				
1,1-Dichloroethene	40	2.0	50.00	0	79.0	47	137				
1,2-Dichlorobenzene	33	2.0	50.00	0	65.2	47	134				
1,2-Dichloroethane	34	2.0	50.00	0	68.8	52	136				
1,2-Dichloropropane	35	2.0	50.00	0	70.3	47	145				
1,3-Dichlorobenzene	34	2.0	50.00	0	68.0	47	136				
1,4-Dichlorobenzene	33	2.0	50.00	0	66.7	44	134				
2-Chloroethyl vinyl ether	ND	2.0	50.00	0	0	40	130				SU
Benzene	38	2.0	50.00	0	75.4	51	138				
Bromodichloromethane	36	2.0	50.00	0	71.6	48	143				
Bromoform	29	2.0	50.00	0	57.6	34	138				
Bromomethane	31	2.0	50.00	0	62.0	28	152				
Carbon tetrachloride	38	2.0	50.00	0	76.5	52	138				
Chlorobenzene	35	2.0	50.00	0	70.5	48	133				
Chloroethane	43	2.0	50.00	0	86.5	51	147				
Chloroform	37	2.0	50.00	0	74.7	54	136				
Chloromethane	35	2.0	50.00	0	69.6	58	146				
cis-1,3-Dichloropropene	36	2.0	50.00	0	71.6	52	138				
Dibromochloromethane	34	2.0	50.00	0	67.4	53	131				
Ethylbenzene	37	2.0	50.00	0	73.7	50	125				
Methylene chloride	30	4.0	50.00	0	59.2	13	100				B
Tetrachloroethene	29	2.0	50.00	0	58.3	44	126				
Toluene	37	2.0	50.00	0	74.7	54	134				

**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#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12505

Sample ID	<b>LCS-12505</b>	SampType: <b>LCS</b>	TestCode: <b>8260_W</b>	Units: <b>µg/L</b>	Prep Date: <b>2/2/2017</b>	RunNo: <b>22153</b>					
Client ID:	<b>LCSW</b>	Batch ID: <b>12505</b>	TestNo: <b>SW8260C</b>	<b>SW5030C</b>	Analysis Date: <b>2/2/2017</b>	SeqNo: <b>406595</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	38	2.0	50.00	0	75.9	44	138				
trans-1,3-Dichloropropene	31	2.0	50.00	0	62.2	46	137				
Trichloroethene	37	2.0	50.00	0	73.4	52	134				
Trichlorofluoromethane	44	2.0	50.00	0	88.0	56	151				
Vinyl chloride	45	2.0	50.00	0	90.7	55	151				
Surr: 4-Bromofluorobenzene	50		50.00		99.3	62	132				
Surr: Dibromofluoromethane	52		50.00		104	72	131				
Surr: Toluene-d8	51		50.00		101	58	131				

Sample ID	<b>MB-12505</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_W</b>	Units: <b>µg/L</b>	Prep Date: <b>2/2/2017</b>	RunNo: <b>22153</b>					
Client ID:	<b>PBW</b>	Batch ID: <b>12505</b>	TestNo: <b>SW8260C</b>	<b>SW5030C</b>	Analysis Date: <b>2/2/2017</b>	SeqNo: <b>406596</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	2.0									U
1,1,1-Trichloroethane	ND	2.0									U
1,1,2,2-Tetrachloroethane	ND	2.0									U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.0									U
1,1,2-Trichloroethane	ND	2.0									U
1,1-Dichloroethane	ND	2.0									U
1,1-Dichloroethene	ND	2.0									U
1,1-Dichloropropene	ND	2.0									U
1,2,3-Trichlorobenzene	ND	2.0									U
1,2,3-Trichloropropane	ND	2.0									U
1,2,4,5-Tetramethylbenzene	ND	2.0									U
1,2,4-Trichlorobenzene	ND	2.0									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#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12505

Sample ID	MB-12505	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	2/2/2017	RunNo:	22153
Client ID:	PBW	Batch ID:	12505	TestNo:	SW8260C	SW5030C		Analysis Date:	2/2/2017	SeqNo:	406596
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	2.0									U
1,2-Dibromo-3-chloropropane	ND	2.0									U
1,2-Dibromoethane	ND	2.0									U
1,2-Dichlorobenzene	ND	2.0									U
1,2-Dichloroethane	ND	2.0									U
1,2-Dichloropropane	ND	2.0									U
1,3,5-Trimethylbenzene	ND	2.0									U
1,3-Dichlorobenzene	ND	2.0									U
1,3-dichloropropane	ND	2.0									U
1,4-Dichlorobenzene	ND	2.0									U
1,4-Dioxane	ND	2.0									U
2,2-Dichloropropane	ND	2.0									U
2-Butanone	ND	4.0									U
2-Chloroethyl vinyl ether	ND	2.0									U
2-Chlorotoluene	ND	2.0									U
2-Hexanone	ND	4.0									U
2-Propanol	ND	2.0									U
4-Chlorotoluene	ND	2.0									U
4-Isopropyltoluene	ND	2.0									U
4-Methyl-2-pentanone	ND	4.0									U
Acetone	1.1	4.0									J
Benzene	ND	2.0									U
Bromobenzene	ND	2.0									U
Bromochloromethane	ND	2.0									U
Bromodichloromethane	ND	2.0									U
Bromoform	ND	2.0									U

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



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

# QC SUMMARY REPORT

WO#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12505

Sample ID	MB-12505	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	2/2/2017	RunNo:	22153
Client ID:	PBW	Batch ID:	12505	TestNo:	SW8260C	SW5030C		Analysis Date:	2/2/2017	SeqNo:	406596
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	ND	2.0									U
Carbon disulfide	ND	2.0									U
Carbon tetrachloride	ND	2.0									U
Chlorobenzene	ND	2.0									U
Chlorodifluoromethane	ND	2.0									U
Chloroethane	ND	2.0									U
Chloroform	ND	2.0									U
Chloromethane	ND	2.0									U
cis-1,2-Dichloroethene	ND	2.0									U
cis-1,3-Dichloropropene	ND	2.0									U
Cyclohexane	ND	2.0									U
Dibromochloromethane	ND	2.0									U
Dibromomethane	ND	2.0									U
Dichlorodifluoromethane	ND	2.0									U
Diisopropyl ether	ND	2.0									U
Ethanol	ND	10									U
Ethylbenzene	ND	2.0									U
Freon-114	ND	2.0									U
Hexachlorobutadiene	ND	2.0									U
Isopropylbenzene	ND	2.0									U
m,p-Xylene	ND	4.0									U
Methyl Acetate	ND	2.0									U
Methyl tert-butyl ether	ND	2.0									U
Methylene chloride	5.7	4.0									
n-Butylbenzene	ND	2.0									U
n-Propylbenzene	ND	2.0									U

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# QC SUMMARY REPORT

WO#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12505

Sample ID	MB-12505	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	2/2/2017	RunNo:	22153
Client ID:	PBW	Batch ID:	12505	TestNo:	SW8260C	SW5030C		Analysis Date:	2/2/2017	SeqNo:	406596
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	2.0									U
o-Xylene	ND	2.0									U
p-Diethylbenzene	ND	2.0									U
p-Ethyltoluene	ND	2.0									U
sec-Butylbenzene	ND	2.0									U
Styrene	ND	2.0									U
t-Butyl alcohol	ND	10									U
tert-Butylbenzene	ND	2.0									U
Tetrachloroethene	ND	2.0									U
Toluene	ND	2.0									U
trans-1,2-Dichloroethene	ND	2.0									U
trans-1,3-Dichloropropene	ND	2.0									U
Trichloroethene	ND	2.0									U
Trichlorofluoromethane	ND	2.0									U
Vinyl acetate	ND	2.0									U
Vinyl chloride	ND	2.0									U
Xylenes, Total	ND	6.0									U
Acrolein	ND	10									U
Acrylonitrile	ND	2.0									U
Surr: 4-Bromofluorobenzene	49		50.00		97.4	62	132				
Surr: Dibromofluoromethane	49		50.00		97.2	72	131				
Surr: Toluene-d8	50		50.00		99.9	58	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#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12505

Sample ID	LCS-12505	SampType: LCS	TestCode: 8260_W	Units: µg/L	Prep Date: 2/2/2017	RunNo: 22150					
Client ID: LCSW	Batch ID: 12505	TestNo: SW8260C	SW5030C	Analysis Date: 2/2/2017	SeqNo: 406517						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	37	2.0	50.00	0	74.9	54	134				
1,1,2,2-Tetrachloroethane	26	2.0	50.00	0	52.0	38	133				
1,1,2-Trichloroethane	31	2.0	50.00	0	62.6	53	132				
1,1-Dichloroethane	37	2.0	50.00	0	74.1	46	138				
1,1-Dichloroethene	40	2.0	50.00	0	79.0	47	137				
1,2-Dichlorobenzene	33	2.0	50.00	0	65.2	47	134				
1,2-Dichloroethane	34	2.0	50.00	0	68.8	52	136				
1,2-Dichloropropane	35	2.0	50.00	0	70.3	47	145				
1,3-Dichlorobenzene	34	2.0	50.00	0	68.0	47	136				
1,4-Dichlorobenzene	33	2.0	50.00	0	66.7	44	134				
2-Chloroethyl vinyl ether	ND	2.0	50.00	0	0	40	130				SU
Benzene	38	2.0	50.00	0	75.4	51	138				
Bromodichloromethane	36	2.0	50.00	0	71.6	48	143				
Bromoform	29	2.0	50.00	0	57.6	34	138				
Bromomethane	31	2.0	50.00	0	62.0	28	152				
Carbon tetrachloride	38	2.0	50.00	0	76.5	52	138				
Chlorobenzene	35	2.0	50.00	0	70.5	48	133				
Chloroethane	43	2.0	50.00	0	86.5	51	147				
Chloroform	37	2.0	50.00	0	74.7	54	136				
Chloromethane	35	2.0	50.00	0	69.6	58	146				
cis-1,3-Dichloropropene	36	2.0	50.00	0	71.6	52	138				
Dibromochloromethane	34	2.0	50.00	0	67.4	53	131				
Ethylbenzene	37	2.0	50.00	0	73.7	50	125				
Methylene chloride	30	4.0	50.00	0	59.2	13	100				B
Tetrachloroethene	29	2.0	50.00	0	58.3	44	126				
Toluene	37	2.0	50.00	0	74.7	54	134				

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# QC SUMMARY REPORT

WO#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12505

Sample ID	<b>LCS-12505</b>	SampType:	<b>LCS</b>	TestCode:	<b>8260_W</b>	Units:	<b>µg/L</b>	Prep Date:	<b>2/2/2017</b>	RunNo:	<b>22150</b>	
Client ID:	<b>LCSW</b>	Batch ID:	<b>12505</b>	TestNo:	<b>SW8260C</b>	<b>SW5030C</b>		Analysis Date:	<b>2/2/2017</b>	SeqNo:	<b>406517</b>	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene		38	2.0	50.00	0	75.9	44	138				
trans-1,3-Dichloropropene		31	2.0	50.00	0	62.2	46	137				
Trichloroethene		37	2.0	50.00	0	73.4	52	134				
Trichlorofluoromethane		44	2.0	50.00	0	88.0	56	151				
Vinyl chloride		45	2.0	50.00	0	90.7	55	151				
Surr: 4-Bromofluorobenzene		50		50.00		99.3	62	132				
Surr: Dibromofluoromethane		52		50.00		104	72	131				
Surr: Toluene-d8		51		50.00		101	58	131				

Sample ID	<b>MB-12505</b>	SampType:	<b>MBLK</b>	TestCode:	<b>8260_W</b>	Units:	<b>µg/L</b>	Prep Date:	<b>2/2/2017</b>	RunNo:	<b>22150</b>	
Client ID:	<b>PBW</b>	Batch ID:	<b>12505</b>	TestNo:	<b>SW8260C</b>	<b>SW5030C</b>		Analysis Date:	<b>2/2/2017</b>	SeqNo:	<b>406518</b>	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		ND	2.0									U
1,1,1-Trichloroethane		ND	2.0									U
1,1,2,2-Tetrachloroethane		ND	2.0									U
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	2.0									U
1,1,2-Trichloroethane		ND	2.0									U
1,1-Dichloroethane		ND	2.0									U
1,1-Dichloroethene		ND	2.0									U
1,1-Dichloropropene		ND	2.0									U
1,2,3-Trichlorobenzene		ND	2.0									U
1,2,3-Trichloropropane		ND	2.0									U
1,2,4,5-Tetramethylbenzene		ND	2.0									U
1,2,4-Trichlorobenzene		ND	2.0									U

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# QC SUMMARY REPORT

WO#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12505

Sample ID	MB-12505	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	2/2/2017	RunNo:	22150
Client ID:	PBW	Batch ID:	12505	TestNo:	SW8260C	SW5030C		Analysis Date:	2/2/2017	SeqNo:	406518
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	2.0									U
1,2-Dibromo-3-chloropropane	ND	2.0									U
1,2-Dibromoethane	ND	2.0									U
1,2-Dichlorobenzene	ND	2.0									U
1,2-Dichloroethane	ND	2.0									U
1,2-Dichloropropane	ND	2.0									U
1,3,5-Trimethylbenzene	ND	2.0									U
1,3-Dichlorobenzene	ND	2.0									U
1,3-dichloropropane	ND	2.0									U
1,4-Dichlorobenzene	ND	2.0									U
1,4-Dioxane	ND	2.0									U
2,2-Dichloropropane	ND	2.0									U
2-Butanone	ND	4.0									U
2-Chloroethyl vinyl ether	ND	2.0									U
2-Chlorotoluene	ND	2.0									U
2-Hexanone	ND	4.0									U
2-Propanol	ND	2.0									U
4-Chlorotoluene	ND	2.0									U
4-Isopropyltoluene	ND	2.0									U
4-Methyl-2-pentanone	ND	4.0									U
Acetone	1.1	4.0									J
Benzene	ND	2.0									U
Bromobenzene	ND	2.0									U
Bromochloromethane	ND	2.0									U
Bromodichloromethane	ND	2.0									U
Bromoform	ND	2.0									U

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# QC SUMMARY REPORT

WO#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12505

Sample ID	MB-12505	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	2/2/2017	RunNo:	22150
Client ID:	PBW	Batch ID:	12505	TestNo:	SW8260C	SW5030C		Analysis Date:	2/2/2017	SeqNo:	406518
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	ND	2.0									U
Carbon disulfide	ND	2.0									U
Carbon tetrachloride	ND	2.0									U
Chlorobenzene	ND	2.0									U
Chlorodifluoromethane	ND	2.0									U
Chloroethane	ND	2.0									U
Chloroform	ND	2.0									U
Chloromethane	ND	2.0									U
cis-1,2-Dichloroethene	ND	2.0									U
cis-1,3-Dichloropropene	ND	2.0									U
Cyclohexane	ND	2.0									U
Dibromochloromethane	ND	2.0									U
Dibromomethane	ND	2.0									U
Dichlorodifluoromethane	ND	2.0									U
Diisopropyl ether	ND	2.0									U
Ethanol	ND	10									U
Ethylbenzene	ND	2.0									U
Freon-114	ND	2.0									U
Hexachlorobutadiene	ND	2.0									U
Isopropylbenzene	ND	2.0									U
m,p-Xylene	ND	4.0									U
Methyl Acetate	ND	2.0									U
Methyl tert-butyl ether	ND	2.0									U
Methylene chloride	5.7	4.0									
n-Butylbenzene	ND	2.0									U
n-Propylbenzene	ND	2.0									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#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12505

Sample ID	MB-12505	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	2/2/2017	RunNo:	22150
Client ID:	PBW	Batch ID:	12505	TestNo:	SW8260C	SW5030C		Analysis Date:	2/2/2017	SeqNo:	406518
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	2.0									U
o-Xylene	ND	2.0									U
p-Diethylbenzene	ND	2.0									U
p-Ethyltoluene	ND	2.0									U
sec-Butylbenzene	ND	2.0									U
Styrene	ND	2.0									U
t-Butyl alcohol	ND	10									U
tert-Butylbenzene	ND	2.0									U
Tetrachloroethene	ND	2.0									U
Toluene	ND	2.0									U
trans-1,2-Dichloroethene	ND	2.0									U
trans-1,3-Dichloropropene	ND	2.0									U
Trichloroethene	ND	2.0									U
Trichlorofluoromethane	ND	2.0									U
Vinyl acetate	ND	2.0									U
Vinyl chloride	ND	2.0									U
Xylenes, Total	ND	6.0									U
Acrolein	ND	10									U
Acrylonitrile	ND	2.0									U
Surr: 4-Bromofluorobenzene	49		50.00		97.4	62	132				
Surr: Dibromofluoromethane	49		50.00		97.2	72	131				
Surr: Toluene-d8	50		50.00		99.9	58	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#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12505

Sample ID	LCS-12505	SampType: LCS	TestCode: 8260_W	Units: µg/L	Prep Date: 2/2/2017	RunNo: 22144					
Client ID: LCSW	Batch ID: 12505	TestNo: SW8260C	SW5030C	Analysis Date: 2/2/2017	SeqNo: 406419						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	37	2.0	50.00	0	74.9	54	134				
1,1,2,2-Tetrachloroethane	26	2.0	50.00	0	52.0	38	133				
1,1,2-Trichloroethane	31	2.0	50.00	0	62.6	53	132				
1,1-Dichloroethane	37	2.0	50.00	0	74.1	46	138				
1,1-Dichloroethene	40	2.0	50.00	0	79.0	47	137				
1,2-Dichlorobenzene	33	2.0	50.00	0	65.2	47	134				
1,2-Dichloroethane	34	2.0	50.00	0	68.8	52	136				
1,2-Dichloropropane	35	2.0	50.00	0	70.3	47	145				
1,3-Dichlorobenzene	34	2.0	50.00	0	68.0	47	136				
1,4-Dichlorobenzene	33	2.0	50.00	0	66.7	44	134				
2-Chloroethyl vinyl ether	ND	2.0	50.00	0	0	40	130				SU
Benzene	38	2.0	50.00	0	75.4	51	138				
Bromodichloromethane	36	2.0	50.00	0	71.6	48	143				
Bromoform	29	2.0	50.00	0	57.6	34	138				
Bromomethane	31	2.0	50.00	0	62.0	28	152				
Carbon tetrachloride	38	2.0	50.00	0	76.5	52	138				
Chlorobenzene	35	2.0	50.00	0	70.5	48	133				
Chloroethane	43	2.0	50.00	0	86.5	51	147				
Chloroform	37	2.0	50.00	0	74.7	54	136				
Chloromethane	35	2.0	50.00	0	69.6	58	146				
cis-1,3-Dichloropropene	36	2.0	50.00	0	71.6	52	138				
Dibromochloromethane	34	2.0	50.00	0	67.4	53	131				
Ethylbenzene	37	2.0	50.00	0	73.7	50	125				
Methylene chloride	30	4.0	50.00	0	59.2	13	100				B
Tetrachloroethene	29	2.0	50.00	0	58.3	44	126				
Toluene	37	2.0	50.00	0	74.7	54	134				

**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#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12505

Sample ID	LCS-12505	SampType:	LCS	TestCode:	8260_W	Units:	µg/L	Prep Date:	2/2/2017	RunNo:	22144
Client ID:	LCSW	Batch ID:	12505	TestNo:	SW8260C	SW5030C		Analysis Date:	2/2/2017	SeqNo:	406419
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	38	2.0	50.00	0	75.9	44	138				
trans-1,3-Dichloropropene	31	2.0	50.00	0	62.2	46	137				
Trichloroethene	37	2.0	50.00	0	73.4	52	134				
Trichlorofluoromethane	44	2.0	50.00	0	88.0	56	151				
Vinyl chloride	45	2.0	50.00	0	90.7	55	151				
Surr: 4-Bromofluorobenzene	50		50.00		99.3	62	132				
Surr: Dibromofluoromethane	52		50.00		104	72	131				
Surr: Toluene-d8	51		50.00		101	58	131				

Sample ID	MB-12505	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	2/2/2017	RunNo:	22144
Client ID:	PBW	Batch ID:	12505	TestNo:	SW8260C	SW5030C		Analysis Date:	2/2/2017	SeqNo:	406420
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	2.0									U
1,1,1-Trichloroethane	ND	2.0									U
1,1,2,2-Tetrachloroethane	ND	2.0									U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.0									U
1,1,2-Trichloroethane	ND	2.0									U
1,1-Dichloroethane	ND	2.0									U
1,1-Dichloroethene	ND	2.0									U
1,1-Dichloropropene	ND	2.0									U
1,2,3-Trichlorobenzene	ND	2.0									U
1,2,3-Trichloropropane	ND	2.0									U
1,2,4,5-Tetramethylbenzene	ND	2.0									U
1,2,4-Trichlorobenzene	ND	2.0									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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 Website: www.American-Analytical.com

# QC SUMMARY REPORT

WO#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12505

Sample ID	MB-12505	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	2/2/2017	RunNo:	22144
Client ID:	PBW	Batch ID:	12505	TestNo:	SW8260C	SW5030C		Analysis Date:	2/2/2017	SeqNo:	406420
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	2.0									U
1,2-Dibromo-3-chloropropane	ND	2.0									U
1,2-Dibromoethane	ND	2.0									U
1,2-Dichlorobenzene	ND	2.0									U
1,2-Dichloroethane	ND	2.0									U
1,2-Dichloropropane	ND	2.0									U
1,3,5-Trimethylbenzene	ND	2.0									U
1,3-Dichlorobenzene	ND	2.0									U
1,3-dichloropropane	ND	2.0									U
1,4-Dichlorobenzene	ND	2.0									U
1,4-Dioxane	ND	2.0									U
2,2-Dichloropropane	ND	2.0									U
2-Butanone	ND	4.0									U
2-Chloroethyl vinyl ether	ND	2.0									U
2-Chlorotoluene	ND	2.0									U
2-Hexanone	ND	4.0									U
2-Propanol	ND	2.0									U
4-Chlorotoluene	ND	2.0									U
4-Isopropyltoluene	ND	2.0									U
4-Methyl-2-pentanone	ND	4.0									U
Acetone	1.1	4.0									J
Benzene	ND	2.0									U
Bromobenzene	ND	2.0									U
Bromochloromethane	ND	2.0									U
Bromodichloromethane	ND	2.0									U
Bromoform	ND	2.0									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#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12505

Sample ID	MB-12505	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	2/2/2017	RunNo:	22144
Client ID:	PBW	Batch ID:	12505	TestNo:	SW8260C	SW5030C		Analysis Date:	2/2/2017	SeqNo:	406420
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	ND	2.0									U
Carbon disulfide	ND	2.0									U
Carbon tetrachloride	ND	2.0									U
Chlorobenzene	ND	2.0									U
Chlorodifluoromethane	ND	2.0									U
Chloroethane	ND	2.0									U
Chloroform	ND	2.0									U
Chloromethane	ND	2.0									U
cis-1,2-Dichloroethene	ND	2.0									U
cis-1,3-Dichloropropene	ND	2.0									U
Cyclohexane	ND	2.0									U
Dibromochloromethane	ND	2.0									U
Dibromomethane	ND	2.0									U
Dichlorodifluoromethane	ND	2.0									U
Diisopropyl ether	ND	2.0									U
Ethanol	ND	10									U
Ethylbenzene	ND	2.0									U
Freon-114	ND	2.0									U
Hexachlorobutadiene	ND	2.0									U
Isopropylbenzene	ND	2.0									U
m,p-Xylene	ND	4.0									U
Methyl Acetate	ND	2.0									U
Methyl tert-butyl ether	ND	2.0									U
Methylene chloride	5.7	4.0									
n-Butylbenzene	ND	2.0									U
n-Propylbenzene	ND	2.0									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#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12505

Sample ID	MB-12505	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	2/2/2017	RunNo:	22144
Client ID:	PBW	Batch ID:	12505	TestNo:	SW8260C	SW5030C		Analysis Date:	2/2/2017	SeqNo:	406420
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	2.0									U
o-Xylene	ND	2.0									U
p-Diethylbenzene	ND	2.0									U
p-Ethyltoluene	ND	2.0									U
sec-Butylbenzene	ND	2.0									U
Styrene	ND	2.0									U
t-Butyl alcohol	ND	10									U
tert-Butylbenzene	ND	2.0									U
Tetrachloroethene	ND	2.0									U
Toluene	ND	2.0									U
trans-1,2-Dichloroethene	ND	2.0									U
trans-1,3-Dichloropropene	ND	2.0									U
Trichloroethene	ND	2.0									U
Trichlorofluoromethane	ND	2.0									U
Vinyl acetate	ND	2.0									U
Vinyl chloride	ND	2.0									U
Xylenes, Total	ND	6.0									U
Acrolein	ND	10									U
Acrylonitrile	ND	2.0									U
Surr: 4-Bromofluorobenzene	49		50.00		97.4	62	132				
Surr: Dibromofluoromethane	49		50.00		97.2	72	131				
Surr: Toluene-d8	50		50.00		99.9	58	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#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12524

Sample ID	LCS-12524	SampType: LCS	TestCode: 8260_W	Units: µg/L	Prep Date: 2/3/2017	RunNo: 22153					
Client ID: LCSW	Batch ID: 12524	TestNo: SW8260C	SW5030C	Analysis Date: 2/3/2017	SeqNo: 406606						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	34	2.0	50.00	0	68.5	54	134				
1,1,2,2-Tetrachloroethane	22	2.0	50.00	0	44.4	38	133				
1,1,2-Trichloroethane	28	2.0	50.00	0	56.5	53	132				
1,1-Dichloroethane	35	2.0	50.00	0	69.7	46	138				
1,1-Dichloroethene	36	2.0	50.00	0	71.9	47	137				
1,2-Dichlorobenzene	28	2.0	50.00	0	55.9	47	134				
1,2-Dichloroethane	32	2.0	50.00	0	63.8	52	136				
1,2-Dichloropropane	32	2.0	50.00	0	64.2	47	145				
1,3-Dichlorobenzene	30	2.0	50.00	0	59.5	47	136				
1,4-Dichlorobenzene	29	2.0	50.00	0	58.1	44	134				
2-Chloroethyl vinyl ether	ND	2.0	50.00	0	0	40	130				SU
Benzene	35	2.0	50.00	0	71.0	51	138				
Bromodichloromethane	33	2.0	50.00	0	66.5	48	143				
Bromoform	25	2.0	50.00	0	49.3	34	138				
Bromomethane	35	2.0	50.00	0	69.8	28	152				
Carbon tetrachloride	35	2.0	50.00	0	70.0	52	138				
Chlorobenzene	31	2.0	50.00	0	61.9	48	133				
Chloroethane	42	2.0	50.00	0	84.9	51	147				
Chloroform	35	2.0	50.00	0	70.4	54	136				
Chloromethane	36	2.0	50.00	0	71.4	58	146				
cis-1,3-Dichloropropene	33	2.0	50.00	0	66.1	52	138				
Dibromochloromethane	30	2.0	50.00	0	60.4	53	131				
Ethylbenzene	32	2.0	50.00	0	64.3	50	125				
Methylene chloride	30	4.0	50.00	0	59.4	13	100				B
Tetrachloroethene	26	2.0	50.00	0	52.5	44	126				
Toluene	34	2.0	50.00	0	67.6	54	134				

**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#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12524

Sample ID	LCS-12524	SampType:	LCS	TestCode:	8260_W	Units:	µg/L	Prep Date:	2/3/2017	RunNo:	22153
Client ID:	LCSW	Batch ID:	12524	TestNo:	SW8260C	SW5030C		Analysis Date:	2/3/2017	SeqNo:	406606
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	35	2.0	50.00	0	70.5	44	138				
trans-1,3-Dichloropropene	29	2.0	50.00	0	57.6	46	137				
Trichloroethene	33	2.0	50.00	0	65.9	52	134				
Trichlorofluoromethane	42	2.0	50.00	0	84.9	56	151				
Vinyl chloride	44	2.0	50.00	0	87.6	55	151				
Surr: 4-Bromofluorobenzene	49		50.00		98.9	62	132				
Surr: Dibromofluoromethane	54		50.00		108	72	131				
Surr: Toluene-d8	51		50.00		101	58	131				

Sample ID	MB-12524	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	2/3/2017	RunNo:	22153
Client ID:	PBW	Batch ID:	12524	TestNo:	SW8260C	SW5030C		Analysis Date:	2/3/2017	SeqNo:	406607
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	2.0									U
1,1,1-Trichloroethane	ND	2.0									U
1,1,2,2-Tetrachloroethane	ND	2.0									U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.0									U
1,1,2-Trichloroethane	ND	2.0									U
1,1-Dichloroethane	ND	2.0									U
1,1-Dichloroethene	ND	2.0									U
1,1-Dichloropropene	ND	2.0									U
1,2,3-Trichlorobenzene	ND	2.0									U
1,2,3-Trichloropropane	ND	2.0									U
1,2,4,5-Tetramethylbenzene	ND	2.0									U
1,2,4-Trichlorobenzene	ND	2.0									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#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12524

Sample ID	MB-12524	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	2/3/2017	RunNo:	22153
Client ID:	PBW	Batch ID:	12524	TestNo:	SW8260C	SW5030C		Analysis Date:	2/3/2017	SeqNo:	406607
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	2.0									U
1,2-Dibromo-3-chloropropane	ND	2.0									U
1,2-Dibromoethane	ND	2.0									U
1,2-Dichlorobenzene	ND	2.0									U
1,2-Dichloroethane	ND	2.0									U
1,2-Dichloropropane	ND	2.0									U
1,3,5-Trimethylbenzene	ND	2.0									U
1,3-Dichlorobenzene	ND	2.0									U
1,3-dichloropropane	ND	2.0									U
1,4-Dichlorobenzene	ND	2.0									U
1,4-Dioxane	ND	2.0									U
2,2-Dichloropropane	ND	2.0									U
2-Butanone	ND	4.0									U
2-Chloroethyl vinyl ether	ND	2.0									U
2-Chlorotoluene	ND	2.0									U
2-Hexanone	ND	4.0									U
2-Propanol	ND	2.0									U
4-Chlorotoluene	ND	2.0									U
4-Isopropyltoluene	ND	2.0									U
4-Methyl-2-pentanone	ND	4.0									U
Acetone	1.3	4.0									J
Benzene	ND	2.0									U
Bromobenzene	ND	2.0									U
Bromochloromethane	ND	2.0									U
Bromodichloromethane	ND	2.0									U
Bromoform	ND	2.0									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#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12524

Sample ID	MB-12524	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	2/3/2017	RunNo:	22153
Client ID:	PBW	Batch ID:	12524	TestNo:	SW8260C	SW5030C		Analysis Date:	2/3/2017	SeqNo:	406607
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	ND	2.0									U
Carbon disulfide	ND	2.0									U
Carbon tetrachloride	ND	2.0									U
Chlorobenzene	ND	2.0									U
Chlorodifluoromethane	ND	2.0									U
Chloroethane	ND	2.0									U
Chloroform	ND	2.0									U
Chloromethane	ND	2.0									U
cis-1,2-Dichloroethene	ND	2.0									U
cis-1,3-Dichloropropene	ND	2.0									U
Cyclohexane	ND	2.0									U
Dibromochloromethane	ND	2.0									U
Dibromomethane	ND	2.0									U
Dichlorodifluoromethane	ND	2.0									U
Diisopropyl ether	ND	2.0									U
Ethanol	ND	10									U
Ethylbenzene	ND	2.0									U
Freon-114	ND	2.0									U
Hexachlorobutadiene	ND	2.0									U
Isopropylbenzene	ND	2.0									U
m,p-Xylene	ND	4.0									U
Methyl Acetate	ND	2.0									U
Methyl tert-butyl ether	ND	2.0									U
Methylene chloride	5.1	4.0									
n-Butylbenzene	ND	2.0									U
n-Propylbenzene	ND	2.0									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#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12524

Sample ID	MB-12524	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	2/3/2017	RunNo:	22153
Client ID:	PBW	Batch ID:	12524	TestNo:	SW8260C	SW5030C		Analysis Date:	2/3/2017	SeqNo:	406607
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	2.0									U
o-Xylene	ND	2.0									U
p-Diethylbenzene	ND	2.0									U
p-Ethyltoluene	ND	2.0									U
sec-Butylbenzene	ND	2.0									U
Styrene	ND	2.0									U
t-Butyl alcohol	ND	10									U
tert-Butylbenzene	ND	2.0									U
Tetrachloroethene	ND	2.0									U
Toluene	ND	2.0									U
trans-1,2-Dichloroethene	ND	2.0									U
trans-1,3-Dichloropropene	ND	2.0									U
Trichloroethene	ND	2.0									U
Trichlorofluoromethane	ND	2.0									U
Vinyl acetate	ND	2.0									U
Vinyl chloride	ND	2.0									U
Xylenes, Total	ND	6.0									U
Acrolein	ND	10									U
Acrylonitrile	ND	2.0									U
Surr: 4-Bromofluorobenzene	50		50.00		99.3	62	132				
Surr: Dibromofluoromethane	52		50.00		104	72	131				
Surr: Toluene-d8	51		50.00		102	58	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#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12524

Sample ID	LCS-12524	SampType: LCS	TestCode: 8260_W	Units: µg/L	Prep Date: 2/3/2017	RunNo: 22150					
Client ID: LCSW	Batch ID: 12524	TestNo: SW8260C	SW5030C	Analysis Date: 2/3/2017	SeqNo: 406526						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	34	2.0	50.00	0	68.5	54	134				
1,1,2,2-Tetrachloroethane	22	2.0	50.00	0	44.4	38	133				
1,1,2-Trichloroethane	28	2.0	50.00	0	56.5	53	132				
1,1-Dichloroethane	35	2.0	50.00	0	69.7	46	138				
1,1-Dichloroethene	36	2.0	50.00	0	71.9	47	137				
1,2-Dichlorobenzene	28	2.0	50.00	0	55.9	47	134				
1,2-Dichloroethane	32	2.0	50.00	0	63.8	52	136				
1,2-Dichloropropane	32	2.0	50.00	0	64.2	47	145				
1,3-Dichlorobenzene	30	2.0	50.00	0	59.5	47	136				
1,4-Dichlorobenzene	29	2.0	50.00	0	58.1	44	134				
2-Chloroethyl vinyl ether	ND	2.0	50.00	0	0	40	130				SU
Benzene	35	2.0	50.00	0	71.0	51	138				
Bromodichloromethane	33	2.0	50.00	0	66.5	48	143				
Bromoform	25	2.0	50.00	0	49.3	34	138				
Bromomethane	35	2.0	50.00	0	69.8	28	152				
Carbon tetrachloride	35	2.0	50.00	0	70.0	52	138				
Chlorobenzene	31	2.0	50.00	0	61.9	48	133				
Chloroethane	42	2.0	50.00	0	84.9	51	147				
Chloroform	35	2.0	50.00	0	70.4	54	136				
Chloromethane	36	2.0	50.00	0	71.4	58	146				
cis-1,3-Dichloropropene	33	2.0	50.00	0	66.1	52	138				
Dibromochloromethane	30	2.0	50.00	0	60.4	53	131				
Ethylbenzene	32	2.0	50.00	0	64.3	50	125				
Methylene chloride	30	4.0	50.00	0	59.4	13	100				B
Tetrachloroethene	26	2.0	50.00	0	52.5	44	126				
Toluene	34	2.0	50.00	0	67.6	54	134				

**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#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12524

Sample ID	<b>LCS-12524</b>	SampType:	<b>LCS</b>	TestCode:	<b>8260_W</b>	Units:	<b>µg/L</b>	Prep Date:	<b>2/3/2017</b>	RunNo:	<b>22150</b>	
Client ID:	<b>LCSW</b>	Batch ID:	<b>12524</b>	TestNo:	<b>SW8260C</b>	<b>SW5030C</b>		Analysis Date:	<b>2/3/2017</b>	SeqNo:	<b>406526</b>	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene		35	2.0	50.00	0	70.5	44	138				
trans-1,3-Dichloropropene		29	2.0	50.00	0	57.6	46	137				
Trichloroethene		33	2.0	50.00	0	65.9	52	134				
Trichlorofluoromethane		42	2.0	50.00	0	84.9	56	151				
Vinyl chloride		44	2.0	50.00	0	87.6	55	151				
Surr: 4-Bromofluorobenzene		49		50.00		98.9	62	132				
Surr: Dibromofluoromethane		54		50.00		108	72	131				
Surr: Toluene-d8		51		50.00		101	58	131				

Sample ID	<b>MB-12524</b>	SampType:	<b>MBLK</b>	TestCode:	<b>8260_W</b>	Units:	<b>µg/L</b>	Prep Date:	<b>2/3/2017</b>	RunNo:	<b>22150</b>	
Client ID:	<b>PBW</b>	Batch ID:	<b>12524</b>	TestNo:	<b>SW8260C</b>	<b>SW5030C</b>		Analysis Date:	<b>2/3/2017</b>	SeqNo:	<b>406527</b>	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		ND	2.0									U
1,1,1-Trichloroethane		ND	2.0									U
1,1,2,2-Tetrachloroethane		ND	2.0									U
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	2.0									U
1,1,2-Trichloroethane		ND	2.0									U
1,1-Dichloroethane		ND	2.0									U
1,1-Dichloroethene		ND	2.0									U
1,1-Dichloropropene		ND	2.0									U
1,2,3-Trichlorobenzene		ND	2.0									U
1,2,3-Trichloropropane		ND	2.0									U
1,2,4,5-Tetramethylbenzene		ND	2.0									U
1,2,4-Trichlorobenzene		ND	2.0									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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 56 Toledo Street  
 Farmingdale, New York 11735  
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 Website: www.American-Analytical.com

# QC SUMMARY REPORT

WO#: 1701200  
 07-Feb-17

**Client:** WRS d.b.a Berninger Environmental  
**Project:** Schmucklers Dry Cleaners; 358-364 North Ave,

**BatchID:** 12524

Sample ID	MB-12524	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	2/3/2017	RunNo:	22150
Client ID:	PBW	Batch ID:	12524	TestNo:	SW8260C	SW5030C		Analysis Date:	2/3/2017	SeqNo:	406527
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	2.0									U
1,2-Dibromo-3-chloropropane	ND	2.0									U
1,2-Dibromoethane	ND	2.0									U
1,2-Dichlorobenzene	ND	2.0									U
1,2-Dichloroethane	ND	2.0									U
1,2-Dichloropropane	ND	2.0									U
1,3,5-Trimethylbenzene	ND	2.0									U
1,3-Dichlorobenzene	ND	2.0									U
1,3-dichloropropane	ND	2.0									U
1,4-Dichlorobenzene	ND	2.0									U
1,4-Dioxane	ND	2.0									U
2,2-Dichloropropane	ND	2.0									U
2-Butanone	ND	4.0									U
2-Chloroethyl vinyl ether	ND	2.0									U
2-Chlorotoluene	ND	2.0									U
2-Hexanone	ND	4.0									U
2-Propanol	ND	2.0									U
4-Chlorotoluene	ND	2.0									U
4-Isopropyltoluene	ND	2.0									U
4-Methyl-2-pentanone	ND	4.0									U
Acetone	1.3	4.0									J
Benzene	ND	2.0									U
Bromobenzene	ND	2.0									U
Bromochloromethane	ND	2.0									U
Bromodichloromethane	ND	2.0									U
Bromoform	ND	2.0									U

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Client ID:	PBW	Batch ID:	12524	TestNo:	SW8260C	SW5030C		Analysis Date:	2/3/2017	SeqNo:	406527
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	ND	2.0									U
Carbon disulfide	ND	2.0									U
Carbon tetrachloride	ND	2.0									U
Chlorobenzene	ND	2.0									U
Chlorodifluoromethane	ND	2.0									U
Chloroethane	ND	2.0									U
Chloroform	ND	2.0									U
Chloromethane	ND	2.0									U
cis-1,2-Dichloroethene	ND	2.0									U
cis-1,3-Dichloropropene	ND	2.0									U
Cyclohexane	ND	2.0									U
Dibromochloromethane	ND	2.0									U
Dibromomethane	ND	2.0									U
Dichlorodifluoromethane	ND	2.0									U
Diisopropyl ether	ND	2.0									U
Ethanol	ND	10									U
Ethylbenzene	ND	2.0									U
Freon-114	ND	2.0									U
Hexachlorobutadiene	ND	2.0									U
Isopropylbenzene	ND	2.0									U
m,p-Xylene	ND	4.0									U
Methyl Acetate	ND	2.0									U
Methyl tert-butyl ether	ND	2.0									U
Methylene chloride	5.1	4.0									
n-Butylbenzene	ND	2.0									U
n-Propylbenzene	ND	2.0									U

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Client ID:	PBW	Batch ID:	12524	TestNo:	SW8260C	SW5030C		Analysis Date:	2/3/2017	SeqNo:	406527
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	2.0									U
o-Xylene	ND	2.0									U
p-Diethylbenzene	ND	2.0									U
p-Ethyltoluene	ND	2.0									U
sec-Butylbenzene	ND	2.0									U
Styrene	ND	2.0									U
t-Butyl alcohol	ND	10									U
tert-Butylbenzene	ND	2.0									U
Tetrachloroethene	ND	2.0									U
Toluene	ND	2.0									U
trans-1,2-Dichloroethene	ND	2.0									U
trans-1,3-Dichloropropene	ND	2.0									U
Trichloroethene	ND	2.0									U
Trichlorofluoromethane	ND	2.0									U
Vinyl acetate	ND	2.0									U
Vinyl chloride	ND	2.0									U
Xylenes, Total	ND	6.0									U
Acrolein	ND	10									U
Acrylonitrile	ND	2.0									U
Surr: 4-Bromofluorobenzene	50		50.00		99.3	62	132				
Surr: Dibromofluoromethane	52		50.00		104	72	131				
Surr: Toluene-d8	51		50.00		102	58	131				

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