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January 3, 2018

David Hayes
Response and Remediation Program
2 Martin Luther King, Jr. Drive, S.E.
Suite 1054, East Tower
Atlanta, GA 30334

Re: VRP Compliance Status Report Addendum #3
TLC Cleaners
2060 Lower Roswell Road
Marietta, GA 30068

Dear Mr. Hayes:

On behalf of IPTV-B-C14, LLC, EPS is submitting this VRP Compliance Status Report (CSR) Addendum #3 to document sub-slab soil gas and indoor air sampling recently conducted at the former TLC Cleaners (“the Site”). This sampling was conducted in accordance with the March 2017 Monitoring and Maintenance Plan.

Background

A history of the Site, the release, and the associated report submittals was included in the March 2017 CSR Addendum #2. Remedial activities were conducted in August 2015 and included soil excavation and the installation of a sub-slab depressurization (SSD) system, which began operating in September 2015. The SSD system piping layout is shown on Figure 1, included in Attachment 1, along with soil gas and indoor air sample locations. Soil gas and indoor air sampling results associated with the Site are summarized on Tables 1 and 2 (Attachment 2), respectively.

Previous sub-slab soil gas and indoor air sampling activities can be summarized as follows:

- In December 2014, prior to the remedial activities, soil gas samples SG-1, SG-2, and SG-3 (Table 1) were collected from temporary vapor probes in the general vicinity of sample locations SG-4, SG-5, and SG-6 (Figure 1), respectively. SG-1 and SG-2 exceeded the Non-Residential Target Sub-Slab Soil Gas Concentrations¹ (TSSSGCs) for tetrachloroethene (PCE).

¹ EPA Vapor Intrusion Screening Level Calculator Version 3.5, using June 2017 EPA Regional Screening
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- In December 2015, after the SSD system had been operating for three months, permanent vapor probes SG-4 through SG-7 were installed and sampled. None of the results exceeded the TSSSGCs. Concurrent with the soil gas sampling, indoor air samples IA-1 and IA-2 were collected. Indoor air results were below the Non-Residential Target Indoor Air Concentrations¹ (TIACs).
- The SSD system was shut down in December 2015, and in January 2016, samples were collected to determine concentrations without the benefit of the system. Soil gas samples SG-4 through SG-7 were collected, and all four exceeded the Non-Residential TSSSGCs for PCE. Indoor air samples IA-1 and IA-2 were collected, and both samples exceeded the Non-Residential TIAC for PCE. The SSD system was restarted in January 2016.
- In July 2016, samples were collected to verify the effectiveness of the SSD system prior to occupancy of the former TLC Cleaners by new tenants. In addition to sampling SG-4 through SG-7, vapor probes SG-8 and SG-9 were installed and sampled. Concentrations in SG-4 through SG-7 were significantly lower than the January 2016 concentrations; however, PCE concentrations in SG-4 exceeded the Non-Residential TSSSGC. PCE was detected in SG-8 at a concentration below the TSSSGC. SG-9 sampling was discussed in the March 2017 CSR Addendum #2. Indoor air samples IA-1 and IA-2, along with new indoor air sample IA-4, were also collected in July 2016. Although indoor air concentrations were significantly lower than those detected in January 2016, PCE was detected at concentrations exceeding the Non-Residential TIAC in IA-1 and IA-2.
- In August 2016, the SSD system fans were upgraded in order to create a larger and more substantial zone of influence, and sampling was conducted following the upgrade. August 2016 sample results indicated that soil gas and indoor air concentrations were below the Non-Residential TSSSGCs and the Non-Residential TIACs, respectively.

November 2017 Sub-Slab Soil Gas and Indoor Air Sampling

On November 19, 2017, five soil gas samples (SG-4, SG-5, SG-6R, SG-7, and SG-8R) were collected at the locations shown on Figure 1. For SG-4, SG-5, and SG-7, existing vapor probes were sampled. Vapor probe SG-6 was found to be damaged, and probe SG-6R was installed in the immediate vicinity. Vapor probe SG-8 was found to be covered with new flooring material, and probe SG-8R was installed approximately 7 feet to the south to avoid disturbing the new flooring. The new probes were installed just below the floor slab, similar to the existing probes, by drilling through the concrete slab and into the surficial soil beneath the slab. The probes were then set just below the slab, sand packs were placed around the probes, and tubing was extended from the probes to just below the surface of the floor. Threaded valves were installed on top of the tubing, and the holes in the slab were sealed. The new probes were allowed to equilibrate for a minimum of two hours² before sampling.

² 2015 EPA OSWER Technical Guide for Assessing and Mitigating The Vapor Intrusion Pathway From Subsurface Vapor Sources to Indoor Air

Prior to sampling the vapor probes, helium leak tests were performed for each probe to determine the integrity of the seals. The leak tests included placing a shroud over the probe, filling the shroud with helium, and measuring the amount of helium in the probe. The helium leak test results for each of the implants ranged from 0 and 100 parts per million (ppm), all of which were significantly less than the 10% maximum suggested by the ITRC³, and therefore, each of the implants passed the leak test. The soil gas samples were collected from the vapor probes using laboratory-supplied negatively pressurized 400 milliliter Summa canisters.

On November 13, 2017, indoor air samples IA-1, IA-2, and IA-4 were collected from inside the building, and ambient air sample IA-3 was collected in the parking lot. IA-1 was collected in the former dry cleaning tenant space, which is currently a florist distribution center, and samples IA-2 and IA-4 were collected from the adjacent double-wide tenant space, which, at the time, was being renovated. Sample locations are shown on Figure 1. Samples were collected in 6-liter summa canisters, equipped with laboratory-supplied regulators set for 8-hour composite sample collection, with intakes placed approximately 3-4 feet above the floor.

The indoor air, ambient air, and soil gas samples were labeled, logged under standard chain of custody procedures, shipped to Analytical Environmental Services in Atlanta, GA, and analyzed by EPA Method TO-15.

Sampling Results

PCE was detected in sub-slab soil gas samples SG-4 (1,000 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$)), SG-6R (13 $\mu\text{g}/\text{m}^3$), SG-7 (7.5 $\mu\text{g}/\text{m}^3$), and SG-8R (320 $\mu\text{g}/\text{m}^3$), each of which is below the Non-Residential TSSSGC of 5,800 $\mu\text{g}/\text{m}^3$. Table 1 summarizes soil gas sampling results. The laboratory analytical reports are included in Attachment 3.

PCE was detected in sample IA-1 at 1.5 $\mu\text{g}/\text{m}^3$, which is below the Non-Residential (TIAC) of 180 $\mu\text{g}/\text{m}^3$. PCE was not detected in samples IA-2 or IA-4. PCE daughter compounds were not detected in any of the samples. Several other VOCs were detected, all at concentrations below the Non-Residential TIACs and generally at similar concentrations as ambient air sample IA-3. Table 2 summarizes indoor air sampling results.

Conclusion

Based on the current results and the overall trend, PCE concentrations in soil gas and indoor air have significantly decreased over time and are significantly below the EPA screening levels. Therefore, it appears that the SSD system is functioning as designed, and with continued operation of the system, PCE concentrations in the indoor air are anticipated to remain below the Non-Residential TIAC. The SSD system will continue to be operated until it can be demonstrated that indoor air concentrations remain below the Non-Residential TIACs without the use of the system.

³ Interstate Technical Regulatory Council's 2007 Vapor Intrusion Pathway: A Practical Guideline

Mr. Hayes
January 3, 2018
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Please let me know if you have any questions.

Sincerely,

A handwritten signature in blue ink, appearing to read "J. Vickery".

Justin Vickery
Principal

Attachments: Attachment 1 Figure 1
Attachment 2 Tables
Attachment 3 Laboratory Analytical Reports

cc: William McGuire, IPTV-B-C14, LLC

EPS

ATTACHMENT 1

Figure 1



Legend

- IA-1 Indoor/Ambient Air Sampling Location
- 1.5 PCE Concentration ($\mu\text{g}/\text{m}^3$)
- SG-4 Soil Gas Sampling Location
- 1,000 PCE Concentration ($\mu\text{g}/\text{m}^3$)
- Building Outline
- Former TLC Cleaners
- Sub-Slab Depressurization Line
- Approximate Property Boundary

Indoor Air and Soil Gas Sampling Results (Nov. 2017)
TLC Cleaners
2060 Lower Roswell Rd.
Marietta, GA 30068

EPS

ATTACHMENT 2
Tables

Table 1
Summary of Soil Gas Analytical Results Collected Beneath the Building
TLC Cleaners
Marietta, Georgia

Sample Location	Sample Date	Sample Depth (ft-bgs)	Non-Residential TSSGC ^a												Residential TSSGC ^b													
			1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butynone	4-Ethyltoluene	Acetone	Benzene	2,3,5-Pentanone	4-Methylacetone	Bromoform	Chlorodifluoromethane	Cis-1,2-Dichloroethene	Ethylbenzene	Styrene	trans-1,2-Dichloroethylene	Trichloroethylene	Tetrachloroethylene	m,p-Xylenes	o,Xylenes								
SG-1	12/17/14	0.5	BDL	BDL	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
SG-2	12/17/14	0.5	BDL	BDL	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
SG-3	12/17/14	0.5	BDL	BDL	NA	BDL	BDL	BDL	BDL	50	110	180	NA	15,000	1,600	150,000	5,800	290,000	730,000	NA	290	NA	15,000	15,000	15,000	15,000		
SG-4	01/11/16 ^c	0.5	BDL	BDL	NA	BDL	BDL	BDL	BDL	17	BDL	BDL	BDL	91	15	BDL	4,000	BDL	BDL	23	BDL	BDL	BDL	BDL	BDL	BDL		
	07/20/16	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5.5	10	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	26,000	BDL	BDL	BDL	BDL	BDL	BDL	
	08/29/16	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	120	BDL	20	BDL	BDL	BDL	BDL	
	11/19/17	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.6	BDL	BDL	BDL	32	BDL	BDL	BDL	BDL	BDL	BDL	140	BDL	3,200	BDL	3.8	BDL	BDL	BDL
	12/08/15	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.5	BDL	BDL	BDL	97	BDL	BDL	BDL	BDL	BDL	BDL	190	BDL	BDL	BDL	BDL	BDL	BDL	
	01/11/16 ^c	0.5	BDL	BDL	NA	BDL	BDL	BDL	BDL	9.7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	10,000	BDL	4.3	BDL	BDL	BDL	BDL	
	07/20/16	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	10	BDL	BDL	BDL	15,000	BDL	BDL	BDL	BDL	BDL	BDL	1,400	BDL	410	BDL	3.1	BDL	BDL	BDL
	08/29/16	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29	BDL	BDL	BDL	43	BDL	BDL	BDL	BDL	BDL	BDL	43	BDL	BDL	BDL	BDL	BDL	BDL	
	11/19/17	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	33	BDL	BDL	BDL	14	BDL	BDL	BDL	BDL	BDL	BDL	1,100	BDL	6,0	BDL	BDL	BDL	BDL	
	12/08/15	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.5	BDL	BDL	BDL	12	74	16	42	BDL	BDL	BDL	460,000	BDL	970	BDL	9,9	BDL	BDL	BDL
	01/11/16 ^c	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	10.5	BDL	BDL	BDL	9.2	BDL	BDL	BDL	BDL	BDL	BDL	1,100	BDL	BDL	BDL	BDL	BDL	BDL	
	07/20/16	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	11	BDL	BDL	BDL	41	BDL	BDL	BDL	BDL	BDL	BDL	13	BDL	5.1	BDL	BDL	BDL	BDL	
	08/29/16	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.5	BDL	BDL	BDL	15	BDL	BDL	BDL	BDL	BDL	BDL	18	BDL	85	BDL	BDL	BDL	BDL	
	11/19/17	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	18	BDL	BDL	BDL	69	12	BDL	BDL	BDL	BDL	BDL	BDL	710,000	BDL	5.0	BDL	BDL	BDL	BDL
	12/08/15	0.5	BDL	BDL	NA	BDL	BDL	BDL	BDL	1.5	BDL	BDL	BDL	15	BDL	BDL	BDL	BDL	BDL	BDL	5,500	BDL	12	BDL	BDL	BDL	BDL	
	01/11/16 ^c	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	10.5	BDL	BDL	BDL	8.8	BDL	BDL	BDL	BDL	BDL	BDL	320	BDL	7.5	BDL	BDL	BDL	BDL	
	07/20/16	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	11	BDL	BDL	BDL	41	11	BDL	BDL	BDL	BDL	BDL	2,200	BDL	1,500	BDL	7.9	BDL	BDL	BDL
	11/19/17	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.5	BDL	BDL	BDL	5.5	130	9.7	BDL	BDL	BDL	BDL	870	4.3	38	320	BDL	28	BDL	BDL
SG-8 ^d	07/20/16	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	41	11	BDL	BDL	5.5	130	9.7	BDL	BDL	BDL	BDL	870	4.3	38	320	BDL	28	BDL	BDL
SG-8R ^d	11/19/17	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	41	11	BDL	BDL	5.5	130	9.7	BDL	BDL	BDL	BDL	870	4.3	38	320	BDL	28	BDL	BDL

Notes:

^a µg/m³ = micrograms per cubic meter

TSSGC = Target Sub-Slab Soil Gas Concentration

NA = not applicable

ft-bgs = feet below the ground surface

BDL = below detection limit

NA = not analyzed

^b lower of carcinogenic (Target Cancer Risk of 10^{-5}) or non-carcinogenic (Target Hazard Quotient of 1) risk

^c Sample collected following a one month shut down of the sub-slab depressurization system.

^d Vapor probe SG-6 was found to be damaged. SG-6R was installed in the immediate vicinity of SG-6.

Vapor probe SG-8 was found to be covered with new flooring. SG-8R was installed 7 ft south of SG-8.

Indicates Non-Residential TSSGC exceedance

Table 2
Summary of Indoor and Ambient Air Analytical Results
TLC Cleaners
Marietta, Georgia

Sample Location	Sample Date	1,2,4-Trichlorotrifluoroethylene										o-Xylenes										
		1,2,4-Trihalogenobenzene	N-Buutane	Acetone	Benzene	Chloroform	Chloromethane	Dichlorodifluoromethane	Ethylbenzene	Methylbenzene Chloride	Styrene	Tetrachloroethylene	Tetrahydrofuran	Toluene	Trichlorofluoromethane	p,p'-Xylenes	o,p'-Xylenes					
Non-Residential (NC) TIAC ^a	22,000	260	22,000	140,000	130	440	430	390	440	4,400	2,600	4,400	180	8,800	22,000	N/A	440	440				
Non-Residential (C) TIAC ^b	N/A	N/A	N/A	N/A	16	20	5.3	N/A	49	12,000	N/A	470	N/A	N/A	N/A	N/A	N/A	N/A				
Sample Location	Sample Date	12/07/15	BDL	1.4	1.3	11	1.4	0.39	BDL	1.1	1.7	0.91	0.53	BDL	30	BDL	3.7	1.2	3.3	1.2		
IA-1	01/08/16 ^c	BDL	BDL	0.61	3.8	0.38	BDL	BDL	0.91	2.4	BDL	0.44	BDL	0.90	BDL	0.90	1.1	BDL	BDL	BDL	BDL	
	07/19/16	BDL	1.5	3.1	BDL	0.91	0.51	0.59	1.6	2.9	1.1	1.1	1.9	250	BDL	22	1.7	4.0	1.5			
	08/29/16	BDL	2.1	19.1	BDL	2.1	200	0.73	BDL	1.2	BDL	1.3	BDL	15.2	BDL	5.4	1.4	5.3	2.0			
	11/13/17	BDL	BDL	3.1	200	BDL	2.1	2.1	BDL	1.3	BDL	1.3	0.73	1.5	BDL	7.0	1.2	3.8	1.8			
IA-2	12/07/15	BDL	1.6	0.90	9.6	1.7	0.43	0.29	1.0	2.3	1.3	0.84	0.90	87	BDL	5.1	2.2	4.6	1.6			
	01/08/16 ^c	BDL	BDL	4.4	0.42	0.32	BDL	0.98	3.0	BDL	0.51	BDL	1,100	BDL	BDL	2.1	BDL	BDL	BDL	BDL		
	07/19/16	BDL	1.1	3.8	BDL	1.1	0.57	0.59	1.7	2.8	0.84	1.7	11	230	BDL	11	4.1	2.9	1.1			
	08/29/16	BDL	2.2	2.3	BDL	2.2	36	0.64	BDL	1.2	BDL	1.1	7.8	7.6	BDL	2.8	3.0	1.8	BDL			
IA-3 (ambient)	11/13/17	BDL	BDL	4.2	36	BDL	4.2	36	BDL	1.1	BDL	BDL	0.69	3.9	BDL	3.3	1.4	1.6	2.2	1.0		
	12/07/15	BDL	1.3	0.92	9.0	1.4	0.43	BDL	1.0	1.7	1.0	0.51	BDL	2.2	BDL	4.3	1.2	3.8	1.3			
	01/08/16 ^c	BDL	BDL	3.4	0.93	BDL	0.80	1.5	BDL	BDL	0.83	BDL	2.2	1.0	1.1	BDL						
	07/19/16	0.77	1.4	2.4	BDL	0.94	0.57	BDL	1.6	2.4	1.7	0.99	0.69	3.3	BDL	11	1.6	6.0	1.8			
IA-4	08/29/16	BDL	1.4	1.4	BDL	17.6	BDL	BDL	1.1	BDL	BDL	BDL	BDL	1.4	BDL	2.0	1.3	BDL	BDL	BDL		
	11/13/17	BDL	1.0	41	2.2	BDL	1.1	BDL	BDL	1.1	BDL	BDL	BDL	BDL	BDL	2.4	1.2	3.3	1.1			
	07/19/16	0.85	1.4	1.6	BDL	1.3	0.57	0.69	1.9	3.5	1.0	2.0	11	120	BDL	12	3.7	3.8	1.5			
IA-4	11/13/17	BDL	BDL	5.7	38	0.64	BDL	BDL	1.2	BDL	BDL	BDL	BDL	3.0	4.0	1.5	1.4	2.8	1.2			

Notes:

$\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

TIAC = Target Indoor Air Concentration

NC = Non-Carcinogenic

C = Carcinogenic

^a Non-residential cancer target risk of 10^{-6}

^b Non-residential hazard quotient of 1

^c Sample collected following a one month shut down of the sub-slab depressurization system.
 indicates Non-Residential TIAC exceedance

ATTACHMENT 3
Laboratory Analytical Reports



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

November 22, 2017

Justin Vickery
Environmental Planning Specialists, Inc.
1050 Crown Pointe Parkway, Suite 550
Atlanta GA 30338

RE: TLC Cleaners

Dear Justin Vickery: Order No: 1711D51

Analytical Environmental Services, Inc. received 4 samples on 11/14/2017 9:30:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.

AES' certifications are as follows:

-NELAC/Florida Certification number E87582 for analysis of Air & Emissions for Volatile Organics effective 07/01/17-06/30/18.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Chris Pafford".

Chris Pafford
Project Manager



APPENDIX

Compound	CAS #	Alternate Name	TO-14A	TO-15	SOP
Acetone	67-64-1				X
Allyl chloride	107-05-1	3-Chloropropene		X	
Benzene	71-43-2		X	X	
Benzyl chloride	100-44-7		X	X	
Bromodichloromethane	75-27-4	Dichlorobromomethane			X
Bromoform	75-25-2	Tribromomethane		X	
Bromomethane	74-83-9	Methyl bromide	X	X	
1,3-Butadiene	106-99-0			X	
Carbon disulfide	75-15-0			X	
Carbon tetrachloride	56-23-5		X	X	
Chlorobenzene	108-90-7		X	X	
Chloroethane	75-00-3	Ethyl chloride	X	X	
Chloroform	67-66-3		X	X	
Chloromethane	74-87-3	Methyl chloride	X	X	
Cyclohexane	110-82-7				X
Dibromochloromethane	124-48-1	Chlorodibromomethane			X
1,2-Dibromoethane	106-93-4	EDB/Ethylene dibromide	X	X	
1,2-Dichlorobenzene	95-50-1	<i>o</i> -Dichlorobenzene	X	X	
1,3-Dichlorobenzene	541-73-1	<i>m</i> -Dichlorobenzene	X	X	
1,4-Dichlorobenzene	106-46-7	<i>p</i> -Dichlorobenzene	X	X	
Dichlorodifluoromethane	75-71-8	Freon-12	X		
1,1-Dichloroethane	75-34-3		X	X	
1,2-Dichloroethane	107-06-2		X	X	
1,1-Dichloroethene	75-35-4	1,1-Dichloroethylene	X	X	
<i>cis</i> -1,2-Dichloroethene	156-59-2	<i>cis</i> -1,2-Dichloroethylene	X	X	
<i>trans</i> -1,2-Dichloroethene	156-60-5	<i>trans</i> -1,2-Dichloroethylene		X	
1,2-Dichloropropane	78-87-5		X	X	
<i>cis</i> -1,3-Dichloropropene	10061-01-5		X	X	
<i>trans</i> -1,3-Dichloropropene	10061-02-6		X	X	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	76-14-2	Freon-114	X		
1,4-Dioxane	123-91-1	1,4-Diethylene oxide		X	
Ethyl acetate	141-78-6	Acetic acid, ethyl ester			X
Ethylbenzene	100-41-4		X	X	
4-Ethyltoluene	622-96-8				X
n-Heptane	142-82-5	Heptane			X
Hexachlorobutadiene	87-68-3	Hexachloro-1,3-butadiene	X	X	



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

n-Hexane	110-54-3	Hexane		X	
Compound	CAS #	Alternate Name	TO-14A	TO-15	SOP
2-Hexanone	591-78-6	Methyl butyl ketone			X
Methylene chloride	75-09-2	Dichloromethane	X	X	
Methyl tert-butyl ether	1634-04-4	MTBE		X	
Methyl ethyl ketone	78-93-3	MEK/2-Butanone		X	
Methyl isobutyl ketone	108-10-1	4-Methyl-2-pentanone		X	
2-Propanol	67-63-0	Isopropanol/Isopropyl alcohol			X
Propene	115-07-1	Propylene			X
Styrene	100-42-5			X	
1,1,2,2-Tetrachloroethane	79-34-5		X	X	
Tetrachloroethene	127-18-4	Tetrachloroethylene	X	X	
Tetrahydrofuran	109-99-9				X
Toluene	108-88-3			X	
1,2,4-Trichlorobenzene	120-82-1			X	
1,1,1-Trichloroethane	74-55-6			X	
1,1,2-Trichloroethane	79-00-5			X	
Trichloroethene	79-01-6	Trichloroethylene		X	
Trichlorofluoromethane	75-69-4	Freon-11	X		
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	Freon-113	X		
1,2,4-Trimethylbenzene	95-63-6		X	X	
1,3,5-Trimethylbenzene	108-67-8		X	X	
2,2,4-Trimethylpentane	540-84-1	Isooctane		X	
Vinyl acetate	108-05-04			X	
Vinyl bromide	593-60-2	Bromoethene		X	
Vinyl chloride	75-01-4	Chloroethene	X	X	
Xylenes, Total	1330-20-7		X	X	
m/p-Xylene	179601-23-1		X	X	
o-Xylene	95-47-6		X	X	

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704

AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

VAPOR/AIR FIELD TEST DATA SHEET

Work Order #: 1711051



Company: EPS	Address: 1050 Crown Pointe Pkwy Ste 550 Atlanta Ga 30338	Project Name: TLC Cleaners	Project Number: 2010 Lower Roswell Road, Marietta, Ga																
Phone: 404 315 9113	Fax: Brian Goldman	SAMPLING INFORMATION																	
Sampled by: Brian Goldman	Signature: Brian Goldman	Sample Start																	
#	Sample ID	Canister Serial #	Canister Cert. ID#	Date	Time (24hr)	Canister Pressure in Field ("Hg)	Flow (mL/min)	Temperature (°F)	Interior Ambient (°F)	Date	Time (24hr)	Canister Pressure in Field ("Hg)	Flow (mL/min)	Temperature (°F)	Interior Ambient (°F)	Control Readout (mL/min)	Flow (mL/min)	Temperature (°F)	Interior Ambient (°F)
1	17317-1A-1	29339	01192	05411	11/13/17	105.1	30	-	66	60	11/13/17	181.6	1	-	66	60	-	66	60
2	17317-1A-2	17464	01197	5601	11/13/17	120.1	28	-	66	60	11/13/17	184.2	1	-	66	60	-	66	60
3	17317-1A-3	17458	01212	5912	11/13/17	104.5	29	-	66	60	11/13/17	180.6	1	-	66	60	-	66	60
4	17317-1A-4	20231	01209	5906	11/13/17	103.2	38.30	*	N/A	60	11/13/17	183.2	3	-	60	60	-	60	60
5																			
6																			
7																			
8																			
9																			
10																			
Field Notes:																			
Date Shipped Out From Lab:	<i>1/17 9:30 AM</i>																		
Date Received Back To Lab:	<i>1/17 10:30 AM</i>																		
Weather Conditions																			
Ambient Temp Avg:																			
Indoor Air Temp Avg:																			
Barometric Pressure:																			
Wind Speed/Direction:																			
Other:																			

Client: Environmental Planning Specialists, Inc.
Project: TLC Cleaners
Lab ID: 1711D51

Case Narrative

Volatiles Organic Compounds Analysis by Method TO-14/15:

LCS-251682 recovery for Bromodichloromethane & Dibromochloromethane was outside control limits biased high. Target analyte was not detected in the analytical samples and data is reportable with high bias.

Client:	Environmental Planning Specialists, Inc.	Client Sample ID:	17317-1A-1						
Project Name:	TLC Cleaners	Collection Date:	11/13/2017 6:16:00 PM						
Lab ID:	1711D51-001	Matrix:	Air						
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst	
Toxic Organic Compounds in Air by GCMS		TO-15	(TO-15)						
1,1-Dichloroethene	BRL	0.79		ug/m3	251682	2	11/16/2017 14:49	MD	
1,2,4-Trichlorobenzene	BRL	1.5		ug/m3	251682	2	11/16/2017 14:49	MD	
1,3,5-Trimethylbenzene	BRL	0.98		ug/m3	251682	2	11/16/2017 14:49	MD	
2-Butanone		3.1	0.59	ug/m3	251682	2	11/16/2017 14:49	MD	
4-Ethyltoluene	BRL	0.98		ug/m3	251682	2	11/16/2017 14:49	MD	
4-Methyl-2-pentanone	BRL	0.82		ug/m3	251682	2	11/16/2017 14:49	MD	
Acetone		200	48	ug/m3	251682	2	11/16/2017 15:39	MD	
Benzene		0.73	0.64	ug/m3	251682	2	11/16/2017 14:49	MD	
Bromodichloromethane	BRL	1.3		ug/m3	251682	2	11/16/2017 14:49	MD	
Carbon tetrachloride	BRL	1.3		ug/m3	251682	2	11/16/2017 14:49	MD	
Chloroform		2.1	0.98	ug/m3	251682	2	11/16/2017 14:49	MD	
Chloromethane		1.3	0.41	ug/m3	251682	2	11/16/2017 14:49	MD	
cis-1,2-Dichloroethene	BRL	0.79		ug/m3	251682	2	11/16/2017 14:49	MD	
Dichlorodifluoromethane	BRL	0.99		ug/m3	251682	2	11/16/2017 14:49	MD	
Ethylbenzene		1.3	0.87	ug/m3	251682	2	11/16/2017 14:49	MD	
Freon-113	BRL	1.5		ug/m3	251682	2	11/16/2017 14:49	MD	
m,p-Xylene		3.8	1.7	ug/m3	251682	2	11/16/2017 14:49	MD	
Methylene chloride		0.73	0.69	ug/m3	251682	2	11/16/2017 14:49	MD	
o-Xylene		1.8	0.87	ug/m3	251682	2	11/16/2017 14:49	MD	
Styrene		1.5	0.85	ug/m3	251682	2	11/16/2017 14:49	MD	
Tetrachloroethene		1.5	1.4	ug/m3	251682	2	11/16/2017 14:49	MD	
Tetrahydrofuran	BRL	0.59		ug/m3	251682	2	11/16/2017 14:49	MD	
Toluene		7.0	0.75	ug/m3	251682	2	11/16/2017 14:49	MD	
trans-1,2-Dichloroethene	BRL	0.79		ug/m3	251682	2	11/16/2017 14:49	MD	
Trichloroethene	BRL	1.1		ug/m3	251682	2	11/16/2017 14:49	MD	
Trichlorofluoromethane		1.2	1.1	ug/m3	251682	2	11/16/2017 14:49	MD	
Vinyl chloride	BRL	0.51		ug/m3	251682	2	11/16/2017 14:49	MD	
Surr: 4-Bromofluorobenzene		89.5	70-130	%REC	251682	2	11/16/2017 14:49	MD	
Surr: 4-Bromofluorobenzene		86.5	70-130	%REC	251682	2	11/16/2017 15:39	MD	

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Client:	Environmental Planning Specialists, Inc.	Client Sample ID:	17317-1A-2
Project Name:	TLC Cleaners	Collection Date:	11/13/2017 6:42:00 PM
Lab ID:	1711D51-002	Matrix:	Air

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Toxic Organic Compounds in Air by GCMS TO-15 (TO-15)								
1,1-Dichloroethene	BRL	0.79		ug/m ³	251682	2	11/16/2017 16:35	MD
1,2,4-Trichlorobenzene	BRL	1.5		ug/m ³	251682	2	11/16/2017 16:35	MD
1,3,5-Trimethylbenzene	BRL	0.98		ug/m ³	251682	2	11/16/2017 16:35	MD
2-Butanone		4.2	0.59	ug/m ³	251682	2	11/16/2017 16:35	MD
4-Ethyltoluene	BRL	0.98		ug/m ³	251682	2	11/16/2017 16:35	MD
4-Methyl-2-pentanone	BRL	0.82		ug/m ³	251682	2	11/16/2017 16:35	MD
Acetone		36	2.4	ug/m ³	251682	2	11/16/2017 16:35	MD
Benzene		0.64	0.64	ug/m ³	251682	2	11/16/2017 16:35	MD
Bromodichloromethane	BRL	1.3		ug/m ³	251682	2	11/16/2017 16:35	MD
Carbon tetrachloride	BRL	1.3		ug/m ³	251682	2	11/16/2017 16:35	MD
Chloroform	BRL	0.98		ug/m ³	251682	2	11/16/2017 16:35	MD
Chloromethane		1.1	0.41	ug/m ³	251682	2	11/16/2017 16:35	MD
cis-1,2-Dichloroethene	BRL	0.79		ug/m ³	251682	2	11/16/2017 16:35	MD
Dichlorodifluoromethane	BRL	0.99		ug/m ³	251682	2	11/16/2017 16:35	MD
Ethylbenzene	BRL	0.87		ug/m ³	251682	2	11/16/2017 16:35	MD
Freon-113	BRL	1.5		ug/m ³	251682	2	11/16/2017 16:35	MD
m,p-Xylene		2.2	1.7	ug/m ³	251682	2	11/16/2017 16:35	MD
Methylene chloride		0.69	0.69	ug/m ³	251682	2	11/16/2017 16:35	MD
o-Xylene		1.0	0.87	ug/m ³	251682	2	11/16/2017 16:35	MD
Styrene		3.9	0.85	ug/m ³	251682	2	11/16/2017 16:35	MD
Tetrachloroethene	BRL	1.4		ug/m ³	251682	2	11/16/2017 16:35	MD
Tetrahydrofuran		3.3	0.59	ug/m ³	251682	2	11/16/2017 16:35	MD
Toluene		1.4	0.75	ug/m ³	251682	2	11/16/2017 16:35	MD
trans-1,2-Dichloroethene	BRL	0.79		ug/m ³	251682	2	11/16/2017 16:35	MD
Trichloroethene	BRL	1.1		ug/m ³	251682	2	11/16/2017 16:35	MD
Trichlorofluoromethane		1.6	1.1	ug/m ³	251682	2	11/16/2017 16:35	MD
Vinyl chloride	BRL	0.51		ug/m ³	251682	2	11/16/2017 16:35	MD
Surr: 4-Bromofluorobenzene		89.5	70-130	%REC	251682	2	11/16/2017 16:35	MD

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Client:	Environmental Planning Specialists, Inc.	Client Sample ID:	17317-1A-3
Project Name:	TLC Cleaners	Collection Date:	11/13/2017 6:06:00 PM
Lab ID:	1711D51-003	Matrix:	Air

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Toxic Organic Compounds in Air by GCMS TO-15 (TO-15)								
1,1-Dichloroethene	BRL	0.79		ug/m ³	251682	2	11/16/2017 17:33	MD
1,2,4-Trichlorobenzene	BRL	1.5		ug/m ³	251682	2	11/16/2017 17:33	MD
1,3,5-Trimethylbenzene	BRL	0.98		ug/m ³	251682	2	11/16/2017 17:33	MD
2-Butanone	1.0	0.59		ug/m ³	251682	2	11/16/2017 17:33	MD
4-Ethyltoluene	BRL	0.98		ug/m ³	251682	2	11/16/2017 17:33	MD
4-Methyl-2-pentanone	BRL	0.82		ug/m ³	251682	2	11/16/2017 17:33	MD
Acetone	41	2.4		ug/m ³	251682	2	11/16/2017 17:33	MD
Benzene	2.2	0.64		ug/m ³	251682	2	11/16/2017 17:33	MD
Bromodichloromethane	BRL	1.3		ug/m ³	251682	2	11/16/2017 17:33	MD
Carbon tetrachloride	BRL	1.3		ug/m ³	251682	2	11/16/2017 17:33	MD
Chloroform	BRL	0.98		ug/m ³	251682	2	11/16/2017 17:33	MD
Chloromethane	1.1	0.41		ug/m ³	251682	2	11/16/2017 17:33	MD
cis-1,2-Dichloroethene	BRL	0.79		ug/m ³	251682	2	11/16/2017 17:33	MD
Dichlorodifluoromethane	BRL	0.99		ug/m ³	251682	2	11/16/2017 17:33	MD
Ethylbenzene	BRL	0.87		ug/m ³	251682	2	11/16/2017 17:33	MD
Freon-113	BRL	1.5		ug/m ³	251682	2	11/16/2017 17:33	MD
m,p-Xylene	3.3	1.7		ug/m ³	251682	2	11/16/2017 17:33	MD
Methylene chloride	BRL	0.69		ug/m ³	251682	2	11/16/2017 17:33	MD
o-Xylene	1.1	0.87		ug/m ³	251682	2	11/16/2017 17:33	MD
Styrene	BRL	0.85		ug/m ³	251682	2	11/16/2017 17:33	MD
Tetrachloroethene	BRL	1.4		ug/m ³	251682	2	11/16/2017 17:33	MD
Tetrahydrofuran	BRL	0.59		ug/m ³	251682	2	11/16/2017 17:33	MD
Toluene	2.4	0.75		ug/m ³	251682	2	11/16/2017 17:33	MD
trans-1,2-Dichloroethene	BRL	0.79		ug/m ³	251682	2	11/16/2017 17:33	MD
Trichloroethene	BRL	1.1		ug/m ³	251682	2	11/16/2017 17:33	MD
Trichlorofluoromethane	1.2	1.1		ug/m ³	251682	2	11/16/2017 17:33	MD
Vinyl chloride	BRL	0.51		ug/m ³	251682	2	11/16/2017 17:33	MD
Surr: 4-Bromofluorobenzene	89.5	70-130		%REC	251682	2	11/16/2017 17:33	MD

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Client:	Environmental Planning Specialists, Inc.	Client Sample ID:	17317-1A-4
Project Name:	TLC Cleaners	Collection Date:	11/13/2017 6:32:00 PM
Lab ID:	1711D51-004	Matrix:	Air

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Toxic Organic Compounds in Air by GCMS TO-15 (TO-15)								
1,1-Dichloroethene	BRL	0.79		ug/m ³	251682	2	11/16/2017 18:29	MD
1,2,4-Trichlorobenzene	BRL	1.5		ug/m ³	251682	2	11/16/2017 18:29	MD
1,3,5-Trimethylbenzene	BRL	0.98		ug/m ³	251682	2	11/16/2017 18:29	MD
2-Butanone	5.7	0.59		ug/m ³	251682	2	11/16/2017 18:29	MD
4-Ethyltoluene	BRL	0.98		ug/m ³	251682	2	11/16/2017 18:29	MD
4-Methyl-2-pentanone	BRL	0.82		ug/m ³	251682	2	11/16/2017 18:29	MD
Acetone	38	2.4		ug/m ³	251682	2	11/16/2017 18:29	MD
Benzene	0.64	0.64		ug/m ³	251682	2	11/16/2017 18:29	MD
Bromodichloromethane	BRL	1.3		ug/m ³	251682	2	11/16/2017 18:29	MD
Carbon tetrachloride	BRL	1.3		ug/m ³	251682	2	11/16/2017 18:29	MD
Chloroform	BRL	0.98		ug/m ³	251682	2	11/16/2017 18:29	MD
Chloromethane	1.2	0.41		ug/m ³	251682	2	11/16/2017 18:29	MD
cis-1,2-Dichloroethene	BRL	0.79		ug/m ³	251682	2	11/16/2017 18:29	MD
Dichlorodifluoromethane	BRL	0.99		ug/m ³	251682	2	11/16/2017 18:29	MD
Ethylbenzene	BRL	0.87		ug/m ³	251682	2	11/16/2017 18:29	MD
Freon-113	BRL	1.5		ug/m ³	251682	2	11/16/2017 18:29	MD
m,p-Xylene	2.8	1.7		ug/m ³	251682	2	11/16/2017 18:29	MD
Methylene chloride	BRL	0.69		ug/m ³	251682	2	11/16/2017 18:29	MD
o-Xylene	1.2	0.87		ug/m ³	251682	2	11/16/2017 18:29	MD
Styrene	3.0	0.85		ug/m ³	251682	2	11/16/2017 18:29	MD
Tetrachloroethene	BRL	1.4		ug/m ³	251682	2	11/16/2017 18:29	MD
Tetrahydrofuran	4.0	0.59		ug/m ³	251682	2	11/16/2017 18:29	MD
Toluene	1.5	0.75		ug/m ³	251682	2	11/16/2017 18:29	MD
trans-1,2-Dichloroethene	BRL	0.79		ug/m ³	251682	2	11/16/2017 18:29	MD
Trichloroethene	BRL	1.1		ug/m ³	251682	2	11/16/2017 18:29	MD
Trichlorofluoromethane	1.4	1.1		ug/m ³	251682	2	11/16/2017 18:29	MD
Vinyl chloride	BRL	0.51		ug/m ³	251682	2	11/16/2017 18:29	MD
Surr: 4-Bromofluorobenzene	92.5	70-130		%REC	251682	2	11/16/2017 18:29	MD

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample Receipt Checklist for Air Canisters

Client EAS

Work Order Number 1711051

Checklist completed by MJF 11/14/17

Signature

Date

Carrier name: FedEx UPS Courier Client US Mail Other _____

Shipping container in good condition? Yes No Not Present

Custody seals intact on shipping container? Yes No Not Present

Chain of custody present? Yes No

Chain of custody signed when relinquished and received? Yes No

Chain of custody agrees with sample labels? Yes No Or 11/14/17

Field data sheets present? Yes No

Sample containers intact? Yes No

If no, explain: _____

All samples received within holding time? Yes No

Was TAT marked on the COC? Yes No

Proceed with Standard TAT as per project history? Yes No Not Applicable

All canisters received per Bottle Order issued? Yes No

See Case Narrative for resolution of the Non-Conformance.

Analytical Environmental Services, Inc**ANALYTICAL QC SUMMARY REPORT**

Date: 22-Nov-17

Client: Environmental Planning Specialists, Inc.
Project Name: TLC Cleaners
Workorder: 1711D51

Sample ID:	MB-251682	Client ID:	Toxic Organic Compounds in Air by GCMS TO-15			Units:	ug/m3	Prep Date:	11/16/2017	Run No:	357103
Sample Type:	MBLK	TestCode:				BatchID:	251682	Analysis Date:	11/16/2017	Seq No:	7868850
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	BRL	0.79									B
1,2,4-Trichlorobenzene	BRL	1.5									
1,3,5-Trimethylbenzene	BRL	0.98									
2-Butanone	BRL	0.59									
4-Ethyltoluene	BRL	0.98									
4-Methyl-2-pentanone	BRL	0.82									
Acetone	BRL	2.4									
Benzene	BRL	0.64									
Bromodichloromethane	BRL	1.3									
Carbon tetrachloride	BRL	1.3									
Chloroform	BRL	0.98									
Chloromethane	BRL	0.41									
cis-1,2-Dichloroethene	BRL	0.79									
Dichlorodifluoromethane	BRL	0.99									
Ethylbenzene	BRL	0.87									
Freon-113	BRL	1.5									
m,p-Xylene	BRL	1.7									
Methylene chloride	BRL	0.69									
o-Xylene	BRL	0.87									
Styrene	BRL	0.85									
Tetrachloroethene	BRL	1.4									
Tetrahydrofuran	BRL	0.59									
Toluene	BRL	0.75									
trans-1,2-Dichloroethene	BRL	0.79									
Trichloroethene	BRL	1.1									
Trichlorofluoromethane	BRL	1.1									
Vinyl chloride	BRL	0.51									

Qualifiers:	>	Greater than Result value	<	Less than Result value	
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 22-Nov-17

ANALYTICAL QC SUMMARY REPORT

Client: Environmental Planning Specialists, Inc.

Project Name: TLC Cleaners

Workorder: 1711D51

BatchID: 251682

Sample ID: MB-251682	Client ID: TestCode: Toxic Organic Compounds in Air by GCMS	TO-15	Units: ug/m3	Prep Date: 11/16/2017	Run No: 357103
SampleType: MBLK			BatchID: 251682	Analysis Date: 11/16/2017	Seq No: 7868850
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC
Surr: 4-Bromofluorobenzene	3.540	0	4.000	88.5	70

Sample ID: LCS-251682	Client ID: TestCode: Toxic Organic Compounds in Air by GCMS	TO-15	Units: ug/m3	Prep Date: 11/16/2017	Run No: 357103
SampleType: LCS			BatchID: 251682	Analysis Date: 11/16/2017	Seq No: 7868851
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC
1,1-Dichloroethene	8.049	0.79	7.930	102	70
1,2,4-Trichlorobenzene	11.36	1.5	14.85	76.5	70
1,3,5-Trimethylbenzene	9.783	0.98	9.832	99.5	70
2-Butanone	5.043	0.59	5.899	85.5	70
4-Ethyltoluene	9.636	0.98	9.832	98.0	70
4-Methyl-2-pentanone	8.688	0.82	8.196	106	70
Acetone	4.917	2.4	4.751	104	70
Benzene	6.453	0.64	6.389	101	70
Bromodichloromethane	17.89	1.3	13.40	134	70
Carbon tetrachloride	15.54	1.3	12.58	124	70
Chloroform	9.523	0.98	9.767	97.5	70
Chloromethane	3.986	0.41	4.130	96.5	70
cis-1,2-Dichloroethene	6.859	0.79	7.930	86.5	70
Dichlorodifluoromethane	10.09	0.99	9.890	102	70
Ethylbenzene	8.166	0.87	8.687	94.0	70
Freon-113	15.33	1.5	15.33	100	70
m,p-Xylene	17.42	1.7	17.37	100	70
Methylene chloride	6.948	0.69	6.948	100	70
o-Xylene	8.687	0.87	8.687	100	70
Styrene	7.749	0.85	8.515	91.0	70
Tetrachloroethene	12.88	1.4	13.56	95.0	70
Tetrahydrofuran	4.955	0.59	5.899	84.0	70

Qualifiers: > Greater than Result value < Less than Result value

BRL Below reporting limit

J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit

E Estimated (value above quantitation range)

N Analyte not NELAC certified

S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank

H Holding times for preparation or analysis exceeded

R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 22-Nov-17

Client: Environmental Planning Specialists, Inc.
Project Name: TLC Cleaners
Workorder: 1711D51

ANALYTICAL QC SUMMARY REPORT**BatchID:** 251682

Sample ID:	LCS-251682	Client ID:	17317-1A-4	TestCode:	Toxic Organic Compounds in Air by GCMS	TO-15	Units:	ug/m3	Prep Date:	11/16/2017	Run No:	357103
SampleType:	LCS	BatchID:	251682 <th>Analysis Date:</th> <td>11/16/2017</td> <th>Seq No:</th> <td>7868851</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Analysis Date:	11/16/2017	Seq No:	7868851					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual	
Toluene	7.047	0.75	7.537		93.5	70	130					
trans-1,2-Dichloroethene	7.216	0.79	7.930		91.0	70	130					
Trichloroethene	10.80	1.1	10.75		100	70	130					
Trichlorofluoromethane	11.69	1.1	11.24		104	70	130					
Vinyl chloride	5.164	0.51	5.112		101	70	130					
Surr. 4-Bromofluorobenzene	3.860	0	4.000		96.5	70	130					

Sample ID:	1711D51-004ADUP	Client ID:	17317-1A-4	TestCode:	Toxic Organic Compounds in Air by GCMS	TO-15	Units:	ug/m3	Prep Date:	11/16/2017	Run No:	357103
SampleType:	DUP	BatchID:	251682	Analysis Date:	11/16/2017	Seq No:	7868929					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual	
1,1-Dichloroethene	BRL	0.79						0	0	0	25	
1,2,4-Trichlorobenzene	BRL	1.5						0	0	0	25	
1,3,5-Trimethylbenzene	BRL	0.98						0.1966	0	0	25	
2-Butanone	5.781	0.59						5.663	2.06	2.06	25	
4-Ethyltoluene	BRL	0.98						0.1475	0	0	25	
4-Methyl-2-pentanone	BRL	0.82						0.6147	0	0	25	
Acetone	38.72	2.4						37.96	1.98	1.98	25	
Benzene	0.6389	0.64						0.6389	0	0	25	
Bromodichloromethane	BRL	1.3						0	0	0	25	
Carbon tetrachloride	BRL	1.3						0.6919	0	0	25	
Chloroform	BRL	0.98						0	0	0	25	
Chloromethane	1.094	0.41						1.198	9.01	9.01	25	
cis-1,2-Dichloroethene	BRL	0.79						0	0	0	25	
Dichlorodifluoromethane	BRL	0.99						0	0	0	25	
Ethylbenzene	BRL	0.87						0.7818	0	0	25	
Freon-113	BRL	1.5						0.6132	0	0	25	
m,p-Xylene	2.867	1.7						2.823	1.53	1.53	25	

Qualifiers: > Greater than Result value

BRL Below reporting limit

J Estimated value detected below Reporting Limit

Rpt Lim Reporting Limit

< Less than Result value

E Estimated (value above quantitation range)

N Analyte not NELAC certified

S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank

H Holding times for preparation or analysis exceeded

R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 22-Nov-17

Client: Environmental Planning Specialists, Inc.
Project Name: TLC Cleaners
Workorder: 1711D51

ANALYTICAL QC SUMMARY REPORT

BatchID: 251682

Sample ID:	1711D51-004ADUP	Client ID:	17317-1A-4	TestCode:	Toxic Organic Compounds in Air by GCMS	TO-15	Units:	ug/m3	Prep Date:	11/16/2017	Run No.:	357103
Sample Type:	DUP	BatchID:	251682	Analysis Date:	11/16/2017	Seq No.:	7868929					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual	
Methylene chloride	BRL	0.69						0.5558	0	25		
o-Xylene	1.260	0.87						1.216	3.51	25		
Styrene	2.980	0.85						2.980	0	25		
Tetrachloroethene	BRL	1.4						1.153	0	25		
Tetrahydrofuran	4.276	0.59						4.011	6.41	25		
Toluene	1.545	0.75						1.545	0	25		
trans-1,2-Dichloroethene	BRL	0.79						0	0	25		
Trichloroethene	BRL	1.1						0	0	25		
Trichlorofluoromethane	1.461	1.1						1.405	3.92	25		
Vinyl chloride	BRL	0.51						0	0	25		
Surr: 4-Bromofluorobenzene	3.770	0	4.000			94.2	70	130	3.700	0	0	

Qualifiers: > Greater than Result value < Less than Result value
BRL Below reporting limit E Estimated (value above quantitation range)
J Estimated value detected below Reporting Limit N Analyte not NELAC certified
Rpt Lim Reporting Limit S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

November 30, 2017

Justin Vickery
Environmental Planning Specialists, Inc.
1050 Crown Pointe Parkway, Suite 550
Atlanta GA 30338

RE: TLC Cleaners

Dear Justin Vickery: Order No: 1711J35

Analytical Environmental Services, Inc. received 6 samples on 11/20/2017 8:00:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.

AES' certifications are as follows:

-NELAC/Florida Certification number E87582 for analysis of Air & Emissions for Volatile Organics effective 07/01/17-06/30/18.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Chris Pafford".

Chris Pafford
Project Manager



APPENDIX

Compound	CAS #	Alternate Name	TO-14A	TO-15	SOP
Acetone	67-64-1				X
Allyl chloride	107-05-1	3-Chloropropene		X	
Benzene	71-43-2		X	X	
Benzyl chloride	100-44-7		X	X	
Bromodichloromethane	75-27-4	Dichlorobromomethane			X
Bromoform	75-25-2	Tribromomethane		X	
Bromomethane	74-83-9	Methyl bromide	X	X	
1,3-Butadiene	106-99-0			X	
Carbon disulfide	75-15-0			X	
Carbon tetrachloride	56-23-5		X	X	
Chlorobenzene	108-90-7		X	X	
Chloroethane	75-00-3	Ethyl chloride	X	X	
Chloroform	67-66-3		X	X	
Chloromethane	74-87-3	Methyl chloride	X	X	
Cyclohexane	110-82-7				X
Dibromochloromethane	124-48-1	Chlorodibromomethane			X
1,2-Dibromoethane	106-93-4	EDB/Ethylene dibromide	X	X	
1,2-Dichlorobenzene	95-50-1	<i>o</i> -Dichlorobenzene	X	X	
1,3-Dichlorobenzene	541-73-1	<i>m</i> -Dichlorobenzene	X	X	
1,4-Dichlorobenzene	106-46-7	<i>p</i> -Dichlorobenzene	X	X	
Dichlorodifluoromethane	75-71-8	Freon-12	X		
1,1-Dichloroethane	75-34-3		X	X	
1,2-Dichloroethane	107-06-2		X	X	
1,1-Dichloroethene	75-35-4	1,1-Dichloroethylene	X	X	
<i>cis</i> -1,2-Dichloroethene	156-59-2	<i>cis</i> -1,2-Dichloroethylene	X	X	
<i>trans</i> -1,2-Dichloroethene	156-60-5	<i>trans</i> -1,2-Dichloroethylene		X	
1,2-Dichloropropane	78-87-5		X	X	
<i>cis</i> -1,3-Dichloropropene	10061-01-5		X	X	
<i>trans</i> -1,3-Dichloropropene	10061-02-6		X	X	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	76-14-2	Freon-114	X		
1,4-Dioxane	123-91-1	1,4-Diethylene oxide		X	
Ethyl acetate	141-78-6	Acetic acid, ethyl ester			X
Ethylbenzene	100-41-4		X	X	
4-Ethyltoluene	622-96-8				X
n-Heptane	142-82-5	Heptane			X
Hexachlorobutadiene	87-68-3	Hexachloro-1,3-butadiene	X	X	



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

n-Hexane	110-54-3	Hexane		X	
Compound	CAS #	Alternate Name	TO-14A	TO-15	SOP
2-Hexanone	591-78-6	Methyl butyl ketone			X
Methylene chloride	75-09-2	Dichloromethane	X	X	
Methyl tert-butyl ether	1634-04-4	MTBE		X	
Methyl ethyl ketone	78-93-3	MEK/2-Butanone		X	
Methyl isobutyl ketone	108-10-1	4-Methyl-2-pentanone		X	
2-Propanol	67-63-0	Isopropanol/Isopropyl alcohol			X
Propene	115-07-1	Propylene			X
Styrene	100-42-5			X	
1,1,2,2-Tetrachloroethane	79-34-5		X	X	
Tetrachloroethene	127-18-4	Tetrachloroethylene	X	X	
Tetrahydrofuran	109-99-9				X
Toluene	108-88-3			X	
1,2,4-Trichlorobenzene	120-82-1			X	
1,1,1-Trichloroethane	74-55-6			X	
1,1,2-Trichloroethane	79-00-5			X	
Trichloroethene	79-01-6	Trichloroethylene		X	
Trichlorofluoromethane	75-69-4	Freon-11	X		
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	Freon-113	X		
1,2,4-Trimethylbenzene	95-63-6		X	X	
1,3,5-Trimethylbenzene	108-67-8		X	X	
2,2,4-Trimethylpentane	540-84-1	Isooctane		X	
Vinyl acetate	108-05-04			X	
Vinyl bromide	593-60-2	Bromoethene		X	
Vinyl chloride	75-01-4	Chloroethene	X	X	
Xylenes, Total	1330-20-7		X	X	
m/p-Xylene	179601-23-1		X	X	
o-Xylene	95-47-6		X	X	

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188Work Order #: 1711535

VAPOR/AIR CHAIN OF CUSTODY



Company: AES EPS	Address: 105 Creek Point Plaza Ste 550 Atlanta GA 30338	Bottle Order #:	Turnaround Time (Circle One):					
Phone: 404 315 9113	Fax:		<input checked="" type="radio"/> Standard <input type="radio"/> 2 Day Rush <input type="radio"/> Other					
Sampled by: B. Goldmen / J. Flores	Signature: 	Sample Start Date (24hr)	Sample Finish Date (24 hr)	Canister Serial #	Flow Controller ID	Canister Pressure In Field ("Hg") Start	Canister Pressure In Field ("Hg") Stop	Remarks
#	Sample ID	Date	Time	Matrix*		TQ-15		
1	17323-SG-4	11/19/17	1049	11/19/17	1056	SV	4016 01166	28 0
2	17323-SG-5	11/19/17	1117	11/19/17	1126	SV	3904 01138	28 0
3	17323-SG-6	11/19/17	1141	11/19/17	1148	SV	3981 01125	28 0
4	17323-SG-7	11/19/17	1028	11/19/17	1041	SV	3978 01115	28 0
5	17323-SG-8	11/19/17	1208	11/19/17	1216	SV	3898 01112	28 0
6	17323-SGD UP	11/19/17	1200	11/19/17	1200	SV	3902 01136	28 0
7								
8								
9								
10								
SPECIAL INSTRUCTIONS/COMMENTS: If specialized list is required, list analytes here:		RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:	PROJECT INFORMATION		
		1: Brian Goldmen 11/20/17 0800	11/20/17 0800	1: 	11/20/17 0800	PROJECT NAME: TLC Cleaners	PROJECT #: EDO	
		2:				SITE ADDRESS: 2066 Lower Roswell Rd Marietta GA	INVOICE TO: (IF DIFFERENT FROM ABOVE)	
		3:				SEND REPORT TO: jucky@envplanning.com	PO#:	
						QUOTE #: _____	STATE PROGRAM (if any): _____ E-mail? Y/N _____ Fax? Y/N _____	
							DATA PACKAGE: I II III IV	
<p>SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NOT AT IS MARKED ON COC, AES WILL PROCEED AS STANDARD TAT.</p> <p>Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.</p>								

*SAMPLE MATRIX: IA = Indoor Air AA = Ambient Air SS = Subslab SV = Soil Vapor O = Other (specify)

**AES, Inc., assumes no liability with respect to the collection and shipment of these samples.

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

White Copy - Original Page 4 of 1 Client



VAPOR/AIR FIELD TEST DATA SHEET

Work Order #: 171535

TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

Page 1 of 1Company: AES

Project Name:

1050 Crown Pointe Pkwy
Suite 550
Atlanta Ga 30338

Site Address:

2060 Lower Roswell Rd Marietta Ga**SAMPLING INFORMATION**

Sampled by:	Jim Fines/BGDN	Address:	TLC Cleaners
Phone:	404 355-9113	Fax:	2060 Lower Roswell Rd Marietta Ga

#	Sample ID	Canister Serial #	Flow Controller ID#	Canister Cert. ID#	Date	Time (24hr)	Canister Pressure in Field ("Hg)	Flow (mL/min)	Temperature Interior (°F)	Temperature Ambient (°F)	Sample Start		Sample Stop			
											Date	Time (24hr)	Canister Pressure in Field ("Hg)	Flow (mL/min)	Temperature Interior (°F)	Temperature Ambient (°F)
1	17323-SG-4	4016	01100	-	11/19/17	1049	28	200	66	50	11/19/17	1058	0	200	66	50
2	17323-SG-5	3904	01138	-	11/19/17	1117	28	200	66	50	11/19/17	1126	0	200	66	50
3	17323-SG-6	3981	01125	-	11/19/17	1141	28	200	66	50	11/19/17	1148	0	200	66	50
4	17323-SG-7	3978	39486	-	11/19/17	1028	28	200	66	50	11/19/17	1041	0	200	66	50
5	17323-SG-8	3898	01112	-	11/19/17	1208	28	200	66	50	11/19/17	1216	0	200	66	50
6	17323-SG-DUP	3902	01136	-	11/19/17	1206	28	200	66	50	11/19/17	1206	0	200	66	50
7																
8																
9																
10																

Field Notes:

SG-6 start @ 11:41

Date Shipped Out From Lab:	
Date Received Back To Lab:	
Weather Conditions	
Ambient Temp Avg:	
Indoor Air Temp Avg:	
Barometric Pressure:	
Wind Speed/Direction:	
Other:	

Client:	Environmental Planning Specialists, Inc.	Client Sample ID:	17323-SG-4						
Project Name:	TLC Cleaners	Collection Date:	11/19/2017 10:58:00 AM						
Lab ID:	1711J35-001	Matrix:	Air						
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst	
Toxic Organic Compounds in Air by GCMS		TO-15	(TO-15)						
1,1-Dichloroethene	BRL	4.0		ug/m3	252068	2	11/30/2017 03:55	MD	
1,2,4-Trichlorobenzene	BRL	7.4		ug/m3	252068	2	11/30/2017 03:55	MD	
1,3,5-Trimethylbenzene	BRL	4.9		ug/m3	252068	2	11/30/2017 03:55	MD	
2-Butanone		3.7	2.9	ug/m3	252068	2	11/30/2017 03:55	MD	
4-Ethyltoluene	BRL	4.9		ug/m3	252068	2	11/30/2017 03:55	MD	
4-Methyl-2-pentanone	BRL	4.1		ug/m3	252068	2	11/30/2017 03:55	MD	
Acetone		44	12	ug/m3	252068	2	11/30/2017 03:55	MD	
Benzene	BRL	3.2		ug/m3	252068	2	11/30/2017 03:55	MD	
Bromodichloromethane	BRL	6.7		ug/m3	252068	2	11/30/2017 03:55	MD	
Carbon tetrachloride	BRL	6.3		ug/m3	252068	2	11/30/2017 03:55	MD	
Chloroform	BRL	4.9		ug/m3	252068	2	11/30/2017 03:55	MD	
Chloromethane	BRL	2.1		ug/m3	252068	2	11/30/2017 03:55	MD	
cis-1,2-Dichloroethene	BRL	4.0		ug/m3	252068	2	11/30/2017 03:55	MD	
Dichlorodifluoromethane		140	4.9	ug/m3	252068	2	11/30/2017 03:55	MD	
Ethylbenzene	BRL	4.3		ug/m3	252068	2	11/30/2017 03:55	MD	
Freon-113	BRL	7.7		ug/m3	252068	2	11/30/2017 03:55	MD	
m,p-Xylene	BRL	8.7		ug/m3	252068	2	11/30/2017 03:55	MD	
Methylene chloride	BRL	3.5		ug/m3	252068	2	11/30/2017 03:55	MD	
o-Xylene	BRL	4.3		ug/m3	252068	2	11/30/2017 03:55	MD	
Styrene	BRL	4.3		ug/m3	252068	2	11/30/2017 03:55	MD	
Tetrachloroethene		1000	680	ug/m3	252068	2	11/29/2017 23:10	MD	
Tetrahydrofuran	BRL	2.9		ug/m3	252068	2	11/30/2017 03:55	MD	
Toluene	BRL	3.8		ug/m3	252068	2	11/30/2017 03:55	MD	
trans-1,2-Dichloroethene	BRL	4.0		ug/m3	252068	2	11/30/2017 03:55	MD	
Trichloroethene	BRL	5.4		ug/m3	252068	2	11/30/2017 03:55	MD	
Trichlorofluoromethane	BRL	5.6		ug/m3	252068	2	11/30/2017 03:55	MD	
Vinyl chloride	BRL	2.6		ug/m3	252068	2	11/30/2017 03:55	MD	
Surr: 4-Bromofluorobenzene		96.8	70-130	%REC	252068	2	11/30/2017 03:55	MD	
Surr: 4-Bromofluorobenzene		100	70-130	%REC	252068	2	11/29/2017 23:10	MD	

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Client:	Environmental Planning Specialists, Inc.	Client Sample ID:	17323-SG-5
Project Name:	TLC Cleaners	Collection Date:	11/19/2017 11:26:00 AM
Lab ID:	1711J35-002	Matrix:	Air

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Toxic Organic Compounds in Air by GCMS TO-15 (TO-15)								
1,1-Dichloroethene	BRL	4.0		ug/m ³	252068	2	11/30/2017 04:43	MD
1,2,4-Trichlorobenzene	BRL	7.4		ug/m ³	252068	2	11/30/2017 04:43	MD
1,3,5-Trimethylbenzene	BRL	4.9		ug/m ³	252068	2	11/30/2017 04:43	MD
2-Butanone	BRL	2.9		ug/m ³	252068	2	11/30/2017 04:43	MD
4-Ethyltoluene	BRL	4.9		ug/m ³	252068	2	11/30/2017 04:43	MD
4-Methyl-2-pentanone	BRL	4.1		ug/m ³	252068	2	11/30/2017 04:43	MD
Acetone	29	12		ug/m ³	252068	2	11/30/2017 04:43	MD
Benzene	BRL	3.2		ug/m ³	252068	2	11/30/2017 04:43	MD
Bromodichloromethane	BRL	6.7		ug/m ³	252068	2	11/30/2017 04:43	MD
Carbon tetrachloride	BRL	6.3		ug/m ³	252068	2	11/30/2017 04:43	MD
Chloroform	BRL	4.9		ug/m ³	252068	2	11/30/2017 04:43	MD
Chloromethane	BRL	2.1		ug/m ³	252068	2	11/30/2017 04:43	MD
cis-1,2-Dichloroethene	BRL	4.0		ug/m ³	252068	2	11/30/2017 04:43	MD
Dichlorodifluoromethane	43	4.9		ug/m ³	252068	2	11/30/2017 04:43	MD
Ethylbenzene	BRL	4.3		ug/m ³	252068	2	11/30/2017 04:43	MD
Freon-113	BRL	7.7		ug/m ³	252068	2	11/30/2017 04:43	MD
m,p-Xylene	BRL	8.7		ug/m ³	252068	2	11/30/2017 04:43	MD
Methylene chloride	BRL	3.5		ug/m ³	252068	2	11/30/2017 04:43	MD
o-Xylene	BRL	4.3		ug/m ³	252068	2	11/30/2017 04:43	MD
Styrene	BRL	4.3		ug/m ³	252068	2	11/30/2017 04:43	MD
Tetrachloroethene	BRL	6.8		ug/m ³	252068	2	11/30/2017 04:43	MD
Tetrahydrofuran	BRL	2.9		ug/m ³	252068	2	11/30/2017 04:43	MD
Toluene	BRL	3.8		ug/m ³	252068	2	11/30/2017 04:43	MD
trans-1,2-Dichloroethene	BRL	4.0		ug/m ³	252068	2	11/30/2017 04:43	MD
Trichloroethene	BRL	5.4		ug/m ³	252068	2	11/30/2017 04:43	MD
Trichlorofluoromethane	BRL	5.6		ug/m ³	252068	2	11/30/2017 04:43	MD
Vinyl chloride	BRL	2.6		ug/m ³	252068	2	11/30/2017 04:43	MD
Surr: 4-Bromofluorobenzene	102	70-130		%REC	252068	2	11/30/2017 04:43	MD

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Client:	Environmental Planning Specialists, Inc.	Client Sample ID:	17323-SG-6
Project Name:	TLC Cleaners	Collection Date:	11/19/2017 11:48:00 AM
Lab ID:	1711J35-003	Matrix:	Air

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Toxic Organic Compounds in Air by GCMS TO-15 (TO-15)								
1,1-Dichloroethene	BRL	4.0		ug/m ³	252068	2	11/30/2017 05:32	MD
1,2,4-Trichlorobenzene	BRL	7.4		ug/m ³	252068	2	11/30/2017 05:32	MD
1,3,5-Trimethylbenzene	BRL	4.9		ug/m ³	252068	2	11/30/2017 05:32	MD
2-Butanone	BRL	2.9		ug/m ³	252068	2	11/30/2017 05:32	MD
4-Ethyltoluene	BRL	4.9		ug/m ³	252068	2	11/30/2017 05:32	MD
4-Methyl-2-pentanone	BRL	4.1		ug/m ³	252068	2	11/30/2017 05:32	MD
Acetone	41	12		ug/m ³	252068	2	11/30/2017 05:32	MD
Benzene	BRL	3.2		ug/m ³	252068	2	11/30/2017 05:32	MD
Bromodichloromethane	BRL	6.7		ug/m ³	252068	2	11/30/2017 05:32	MD
Carbon tetrachloride	BRL	6.3		ug/m ³	252068	2	11/30/2017 05:32	MD
Chloroform	BRL	4.9		ug/m ³	252068	2	11/30/2017 05:32	MD
Chloromethane	BRL	2.1		ug/m ³	252068	2	11/30/2017 05:32	MD
cis-1,2-Dichloroethene	BRL	4.0		ug/m ³	252068	2	11/30/2017 05:32	MD
Dichlorodifluoromethane		7.2	4.9	ug/m ³	252068	2	11/30/2017 05:32	MD
Ethylbenzene	BRL	4.3		ug/m ³	252068	2	11/30/2017 05:32	MD
Freon-113	BRL	7.7		ug/m ³	252068	2	11/30/2017 05:32	MD
m,p-Xylene	BRL	8.7		ug/m ³	252068	2	11/30/2017 05:32	MD
Methylene chloride	BRL	3.5		ug/m ³	252068	2	11/30/2017 05:32	MD
o-Xylene	BRL	4.3		ug/m ³	252068	2	11/30/2017 05:32	MD
Styrene	BRL	4.3		ug/m ³	252068	2	11/30/2017 05:32	MD
Tetrachloroethene		13	6.8	ug/m ³	252068	2	11/30/2017 05:32	MD
Tetrahydrofuran	BRL	2.9		ug/m ³	252068	2	11/30/2017 05:32	MD
Toluene		5.1	3.8	ug/m ³	252068	2	11/30/2017 05:32	MD
trans-1,2-Dichloroethene	BRL	4.0		ug/m ³	252068	2	11/30/2017 05:32	MD
Trichloroethene		15	5.4	ug/m ³	252068	2	11/30/2017 05:32	MD
Trichlorofluoromethane	BRL	5.6		ug/m ³	252068	2	11/30/2017 05:32	MD
Vinyl chloride	BRL	2.6		ug/m ³	252068	2	11/30/2017 05:32	MD
Surr: 4-Bromofluorobenzene		100	70-130	%REC	252068	2	11/30/2017 05:32	MD

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Client:	Environmental Planning Specialists, Inc.	Client Sample ID:	17323-SG-7
Project Name:	TLC Cleaners	Collection Date:	11/19/2017 10:41:00 AM
Lab ID:	1711J35-004	Matrix:	Air

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Toxic Organic Compounds in Air by GCMS TO-15 (TO-15)								
1,1-Dichloroethene	BRL	4.0		ug/m ³	252068	2	11/30/2017 06:20	MD
1,2,4-Trichlorobenzene	BRL	7.4		ug/m ³	252068	2	11/30/2017 06:20	MD
1,3,5-Trimethylbenzene	BRL	4.9		ug/m ³	252068	2	11/30/2017 06:20	MD
2-Butanone	BRL	2.9		ug/m ³	252068	2	11/30/2017 06:20	MD
4-Ethyltoluene	BRL	4.9		ug/m ³	252068	2	11/30/2017 06:20	MD
4-Methyl-2-pentanone	BRL	4.1		ug/m ³	252068	2	11/30/2017 06:20	MD
Acetone	BRL	12		ug/m ³	252068	2	11/30/2017 06:20	MD
Benzene	BRL	3.2		ug/m ³	252068	2	11/30/2017 06:20	MD
Bromodichloromethane	BRL	6.7		ug/m ³	252068	2	11/30/2017 06:20	MD
Carbon tetrachloride	BRL	6.3		ug/m ³	252068	2	11/30/2017 06:20	MD
Chloroform	BRL	4.9		ug/m ³	252068	2	11/30/2017 06:20	MD
Chloromethane	BRL	2.1		ug/m ³	252068	2	11/30/2017 06:20	MD
cis-1,2-Dichloroethene	BRL	4.0		ug/m ³	252068	2	11/30/2017 06:20	MD
Dichlorodifluoromethane	BRL	4.9		ug/m ³	252068	2	11/30/2017 06:20	MD
Ethylbenzene	BRL	4.3		ug/m ³	252068	2	11/30/2017 06:20	MD
Freon-113	BRL	7.7		ug/m ³	252068	2	11/30/2017 06:20	MD
m,p-Xylene	BRL	8.7		ug/m ³	252068	2	11/30/2017 06:20	MD
Methylene chloride	BRL	3.5		ug/m ³	252068	2	11/30/2017 06:20	MD
o-Xylene	BRL	4.3		ug/m ³	252068	2	11/30/2017 06:20	MD
Styrene	BRL	4.3		ug/m ³	252068	2	11/30/2017 06:20	MD
Tetrachloroethene		7.5	6.8	ug/m ³	252068	2	11/30/2017 06:20	MD
Tetrahydrofuran	BRL	2.9		ug/m ³	252068	2	11/30/2017 06:20	MD
Toluene	BRL	3.8		ug/m ³	252068	2	11/30/2017 06:20	MD
trans-1,2-Dichloroethene	BRL	4.0		ug/m ³	252068	2	11/30/2017 06:20	MD
Trichloroethene	BRL	5.4		ug/m ³	252068	2	11/30/2017 06:20	MD
Trichlorofluoromethane	BRL	5.6		ug/m ³	252068	2	11/30/2017 06:20	MD
Vinyl chloride	BRL	2.6		ug/m ³	252068	2	11/30/2017 06:20	MD
Surr: 4-Bromofluorobenzene		104	70-130	%REC	252068	2	11/30/2017 06:20	MD

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Client:	Environmental Planning Specialists, Inc.	Client Sample ID:	17323-SG-8
Project Name:	TLC Cleaners	Collection Date:	11/19/2017 12:16:00 PM
Lab ID:	1711J35-005	Matrix:	Air

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Toxic Organic Compounds in Air by GCMS TO-15 (TO-15)								
1,1-Dichloroethene	BRL	4.0		ug/m ³	252068	2	11/30/2017 07:09	MD
1,2,4-Trichlorobenzene	BRL	7.4		ug/m ³	252068	2	11/30/2017 07:09	MD
1,3,5-Trimethylbenzene	41	4.9		ug/m ³	252068	2	11/30/2017 07:09	MD
2-Butanone	11	2.9		ug/m ³	252068	2	11/30/2017 07:09	MD
4-Ethyltoluene	BRL	4.9		ug/m ³	252068	2	11/30/2017 07:09	MD
4-Methyl-2-pentanone	5.5	4.1		ug/m ³	252068	2	11/30/2017 07:09	MD
Acetone	130	12		ug/m ³	252068	2	11/30/2017 07:09	MD
Benzene	9.7	3.2		ug/m ³	252068	2	11/30/2017 07:09	MD
Bromodichloromethane	BRL	6.7		ug/m ³	252068	2	11/30/2017 07:09	MD
Carbon tetrachloride	BRL	6.3		ug/m ³	252068	2	11/30/2017 07:09	MD
Chloroform	BRL	4.9		ug/m ³	252068	2	11/30/2017 07:09	MD
Chloromethane	BRL	2.1		ug/m ³	252068	2	11/30/2017 07:09	MD
cis-1,2-Dichloroethene	BRL	4.0		ug/m ³	252068	2	11/30/2017 07:09	MD
Dichlorodifluoromethane	870	490		ug/m ³	252068	2	11/30/2017 02:19	MD
Ethylbenzene	4.3	4.3		ug/m ³	252068	2	11/30/2017 07:09	MD
Freon-113	BRL	7.7		ug/m ³	252068	2	11/30/2017 07:09	MD
m,p-Xylene	8.9	8.7		ug/m ³	252068	2	11/30/2017 07:09	MD
Methylene chloride	BRL	3.5		ug/m ³	252068	2	11/30/2017 07:09	MD
o-Xylene	5.4	4.3		ug/m ³	252068	2	11/30/2017 07:09	MD
Styrene	38	4.3		ug/m ³	252068	2	11/30/2017 07:09	MD
Tetrachloroethene	320	6.8		ug/m ³	252068	2	11/30/2017 07:09	MD
Tetrahydrofuran	BRL	2.9		ug/m ³	252068	2	11/30/2017 07:09	MD
Toluene	28	3.8		ug/m ³	252068	2	11/30/2017 07:09	MD
trans-1,2-Dichloroethene	BRL	4.0		ug/m ³	252068	2	11/30/2017 07:09	MD
Trichloroethene	BRL	5.4		ug/m ³	252068	2	11/30/2017 07:09	MD
Trichlorofluoromethane	BRL	5.6		ug/m ³	252068	2	11/30/2017 07:09	MD
Vinyl chloride	BRL	2.6		ug/m ³	252068	2	11/30/2017 07:09	MD
Surr: 4-Bromofluorobenzene	105	70-130		%REC	252068	2	11/30/2017 07:09	MD
Surr: 4-Bromofluorobenzene	104	70-130		%REC	252068	2	11/30/2017 02:19	MD

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Client:	Environmental Planning Specialists, Inc.	Client Sample ID:	17323-SG-DUP
Project Name:	TLC Cleaners	Collection Date:	11/19/2017 12:00:00 PM
Lab ID:	1711J35-006	Matrix:	Air

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Toxic Organic Compounds in Air by GCMS TO-15 (TO-15)								
1,1-Dichloroethene	BRL	4.0		ug/m ³	252068	2	11/30/2017 07:58	MD
1,2,4-Trichlorobenzene	BRL	7.4		ug/m ³	252068	2	11/30/2017 07:58	MD
1,3,5-Trimethylbenzene	BRL	4.9		ug/m ³	252068	2	11/30/2017 07:58	MD
2-Butanone	BRL	2.9		ug/m ³	252068	2	11/30/2017 07:58	MD
4-Ethyltoluene	BRL	4.9		ug/m ³	252068	2	11/30/2017 07:58	MD
4-Methyl-2-pentanone	BRL	4.1		ug/m ³	252068	2	11/30/2017 07:58	MD
Acetone	41	12		ug/m ³	252068	2	11/30/2017 07:58	MD
Benzene	BRL	3.2		ug/m ³	252068	2	11/30/2017 07:58	MD
Bromodichloromethane	BRL	6.7		ug/m ³	252068	2	11/30/2017 07:58	MD
Carbon tetrachloride	BRL	6.3		ug/m ³	252068	2	11/30/2017 07:58	MD
Chloroform	BRL	4.9		ug/m ³	252068	2	11/30/2017 07:58	MD
Chloromethane	BRL	2.1		ug/m ³	252068	2	11/30/2017 07:58	MD
cis-1,2-Dichloroethene	BRL	4.0		ug/m ³	252068	2	11/30/2017 07:58	MD
Dichlorodifluoromethane	140	4.9		ug/m ³	252068	2	11/30/2017 07:58	MD
Ethylbenzene	BRL	4.3		ug/m ³	252068	2	11/30/2017 07:58	MD
Freon-113	BRL	7.7		ug/m ³	252068	2	11/30/2017 07:58	MD
m,p-Xylene	BRL	8.7		ug/m ³	252068	2	11/30/2017 07:58	MD
Methylene chloride	BRL	3.5		ug/m ³	252068	2	11/30/2017 07:58	MD
o-Xylene	BRL	4.3		ug/m ³	252068	2	11/30/2017 07:58	MD
Styrene	BRL	4.3		ug/m ³	252068	2	11/30/2017 07:58	MD
Tetrachloroethene	1500	680		ug/m ³	252068	2	11/30/2017 03:06	MD
Tetrahydrofuran	BRL	2.9		ug/m ³	252068	2	11/30/2017 07:58	MD
Toluene	BRL	3.8		ug/m ³	252068	2	11/30/2017 07:58	MD
trans-1,2-Dichloroethene	BRL	4.0		ug/m ³	252068	2	11/30/2017 07:58	MD
Trichloroethene	26	5.4		ug/m ³	252068	2	11/30/2017 07:58	MD
Trichlorofluoromethane	BRL	5.6		ug/m ³	252068	2	11/30/2017 07:58	MD
Vinyl chloride	BRL	2.6		ug/m ³	252068	2	11/30/2017 07:58	MD
Surr: 4-Bromofluorobenzene	97.8	70-130		%REC	252068	2	11/30/2017 03:06	MD
Surr: 4-Bromofluorobenzene	101	70-130		%REC	252068	2	11/30/2017 07:58	MD

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample Receipt Checklist for Air Canisters

Client EPS

Work Order Number 1711035

Checklist completed by J. H. H. Date 11/20/17

Signature

Date

Carrier name: FedEx UPS Courier Client US Mail Other

Shipping container in good condition? Yes No Not Present

Custody seals intact on shipping container? Yes No Not Present

Chain of custody present? Yes No

Chain of custody signed when relinquished and received? Yes No

Chain of custody agrees with sample labels? Yes No

Field data sheets present? Yes No

Sample containers intact? Yes No

If no, explain: _____

All samples received within holding time? Yes No

Was TAT marked on the COC? Yes No

Proceed with Standard TAT as per project history? Yes No Not Applicable

All canisters received per Bottle Order issued? Yes No

See Case Narrative for resolution of the Non-Conformance.

Analytical Environmental Services, Inc

Date: 30-Nov-17

Client: Environmental Planning Specialists, Inc.
Project Name: TLC Cleaners
Workorder: 1711J35

ANALYTICAL QC SUMMARY REPORT

Sample ID:	MB-252068	Client ID:	Toxic Organic Compounds in Air by GCMS TO-15			Units:	ug/m3	Prep Date:	11/22/2017	Run No:	357609
Sample Type:	MBLK	TestCode:				BatchID:	252068	Analysis Date:	11/22/2017	Seq No:	7882140
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	BRL	0.79									B
1,2,4-Trichlorobenzene	BRL	1.5									
1,3,5-Trimethylbenzene	BRL	0.98									
2-Butanone	BRL	0.59									
4-Ethyltoluene	BRL	0.98									
4-Methyl-2-pentanone	BRL	0.82									
Acetone	BRL	2.4									
Benzene	BRL	0.64									
Bromodichloromethane	BRL	1.3									
Carbon tetrachloride	BRL	1.3									
Chloroform	BRL	0.98									
Chloromethane	BRL	0.41									
cis-1,2-Dichloroethene	BRL	0.79									
Dichlorodifluoromethane	BRL	0.99									
Ethylbenzene	BRL	0.87									
Freon-113	BRL	1.5									
m,p-Xylene	BRL	1.7									
Methylene chloride	BRL	0.69									
o-Xylene	BRL	0.87									
Styrene	BRL	0.85									
Tetrachloroethene	BRL	1.4									
Tetrahydrofuran	BRL	0.59									
Toluene	BRL	0.75									
trans-1,2-Dichloroethene	BRL	0.79									
Trichloroethene	BRL	1.1									
Trichlorofluoromethane	BRL	1.1									
Vinyl chloride	BRL	0.51									

Qualifiers: > Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit

< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 30-Nov-17

Client: Environmental Planning Specialists, Inc.
Project Name: TLC Cleaners
Workorder: 1711J35**ANALYTICAL QC SUMMARY REPORT****BatchID:** 252068

Sample ID: MB-252068	Client ID: TestCode: Toxic Organic Compounds in Air by GCMS	TO-15	Units: ug/m3	Prep Date: 11/22/2017	Run No: 357609
SampleType: MBLK			BatchID: 252068	Analysis Date: 11/22/2017	Seq No: 7882140
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC
Surr: 4-Bromofluorobenzene	3.990	0	4.000	99.8	70

Sample ID: LCS-252068	Client ID: TestCode: Toxic Organic Compounds in Air by GCMS	TO-15	Units: ug/m3	Prep Date: 11/22/2017	Run No: 357609
SampleType: LCS			BatchID: 252068	Analysis Date: 11/22/2017	Seq No: 7882141
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC
1,1-Dichloroethene	8.604	0.79	7.930	108	70
1,2,4-Trichlorobenzene	10.62	1.5	14.85	71.5	70
1,3,5-Trimethylbenzene	8.751	0.98	9.832	89.0	70
2-Butanone	5.869	0.59	5.899	99.5	70
4-Ethyltoluene	11.41	0.98	9.832	116	70
4-Methyl-2-pentanone	8.401	0.82	8.196	102	70
Acetone	4.846	2.4	4.751	102	70
Benzene	6.102	0.64	6.389	95.5	70
Bromodichloromethane	13.00	1.3	13.40	97.0	70
Carbon tetrachloride	13.27	1.3	12.58	106	70
Chloroform	9.572	0.98	9.767	98.0	70
Chloromethane	4.089	0.41	4.130	99.0	70
cis-1,2-Dichloroethene	8.247	0.79	7.930	104	70
Dichlorodifluoromethane	9.741	0.99	9.890	98.5	70
Ethylbenzene	7.558	0.87	8.687	87.0	70
Freon-113	16.33	1.5	15.33	106	70
m,p-Xylene	15.12	1.7	17.37	87.0	70
Methylene chloride	6.983	0.69	6.948	100	70
o-Xylene	7.949	0.87	8.687	91.5	70
Styrene	7.281	0.85	8.515	85.5	70
Tetrachloroethene	12.00	1.4	13.56	88.5	70
Tetrahydrofuran	6.017	0.59	5.899	102	70

Qualifiers: > Greater than Result value < Less than Result value
BRL Below reporting limit E Estimated (value above quantitation range)
J Estimated value detected below Reporting Limit N Analyte not NELAC certified
Rpt Lim Reporting Limit S Spike Recovery outside limits due to matrix
B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 30-Nov-17

Client: Environmental Planning Specialists, Inc.
Project Name: TLC Cleaners
Workorder: 1711J35

ANALYTICAL QC SUMMARY REPORT

Sample ID: LCS-252068		Client ID: TestCode: Toxic Organic Compounds in Air by GCMS TO-15		Units: ug/m3		Prep Date: 11/22/2017		Run No: 357609			
SampleType: LCS		BatchID: 252068		Analysis Date: 11/22/2017		Seq No: 7882141					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Toluene	6.670	0.75	7.537		88.5	70	130				
trans-1,2-Dichloroethene	8.564	0.79	7.930		108	70	130				
Trichloroethene	10.16	1.1	10.75		94.5	70	130				
Trichlorofluoromethane	11.18	1.1	11.24		99.5	70	130				
Vinyl chloride	5.112	0.51	5.112		100	70	130				
Surr. 4-Bromofluorobenzene	4.460	0	4.000		112	70	130				

Sample ID: 1711H50-001ADUP		Client ID: TestCode: Toxic Organic Compounds in Air by GCMS TO-15		Units: ug/m3		Prep Date: 11/22/2017		Run No: 357660			
SampleType: DUP		BatchID: 252068		Analysis Date: 11/27/2017		Seq No: 7883381					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	BRL	4.0				0	0	0	0	0	25
1,2,4-Trichlorobenzene	BRL	7.4				0	0	0	0	0	25
1,3,5-Trimethylbenzene	BRL	4.9				0	0	0	0	0	25
2-Butanone	BRL	2.9				0	0	0	0	0	25
4-Ethyltoluene	BRL	4.9				0	0	0	0	0	25
4-Methyl-2-pentanone	BRL	4.1				0	0	0	0	0	25
Acetone	BRL	12				9.146		0	0	0	25
Benzene	BRL	3.2				0	0	0	0	0	25
Bromodichloromethane	BRL	6.7				0	0	0	0	0	25
Carbon tetrachloride	BRL	6.3				0	0	0	0	0	25
Chloroform	BRL	4.9				0	0	0	0	0	25
Chloromethane	BRL	2.1				0	0	0	0	0	25
cis-1,2-Dichloroethene	BRL	4.0				0	0	0	0	0	25
Dichlorodifluoromethane	BRL	4.9				0	0	0	0	0	25
Ethylbenzene	BRL	4.3				0	0	0	0	0	25
Freon-113	BRL	7.7				0	0	0	0	0	25
m,p-Xylene	BRL	8.7				0	0	0	0	0	25

Qualifiers: > Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit

< Less than Result value

E Estimated (value above quantitation range)

N Analyte not NELAC certified

S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank

H Holding times for preparation or analysis exceeded

R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 30-Nov-17

Client: Environmental Planning Specialists, Inc.
Project Name: TLC Cleaners
Workorder: 1711J35

ANALYTICAL QC SUMMARY REPORT

Sample ID:	1711H50-001ADUP	Client ID:	TestCode:	Toxic Organic Compounds in Air by GCMS	TO-15	Units:	ug/m3	BatchID: 252068	Prep Date: 11/22/2017	Analysis Date: 11/27/2017	Run No: 357660	Seq No: 7883381
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual	
Methylene chloride	BRL	3.5						0	0	0	25	
o-Xylene	BRL	4.3						0	0	0	25	
Styrene	BRL	4.3						0	0	0	25	
Tetrachloroethene	BRL	6.8						4.069	0	0	25	
Tetrahydrofuran	BRL	2.9						0	0	0	25	
Toluene	BRL	3.8						0	0	0	25	
trans-1,2-Dichloroethene	BRL	4.0						0	0	0	25	
Trichloroethene	BRL	5.4						0	0	0	25	
Trichlorofluoromethane	BRL	5.6						0	0	0	25	
Vinyl chloride	BRL	2.6						0	0	0	25	
Surr: 4-Bromofluorobenzene	20.90	0	20.00			104	70	130	20.60	0	0	

Qualifiers: > Greater than Result value < Less than Result value
BRL Below reporting limit E Estimated (value above quantitation range)
J Estimated value detected below Reporting Limit N Analyte not NELAC certified
Rpt Lim Reporting Limit S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
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