1 January 2018 (Revised)
29 October 2017

Mr. Brian Jankauskas, P.E.
NYSDEC
Remedial Bureau A
Division of Environmental Remediation
Albany, NY 12233-7015

Subject: Indoor Air and Sub-Slab Soil Gas Sampling Results & Proposed Next Steps
Former Chez Valet Dry Cleaners
NYSDEC site #1–30–169
3 Manorhaven Blvd., Port Washington, NY 11050

Dear Mr. Jankauskas,

This letter will serve to:

1. Transmit the recently completed Indoor Air Quality (IAQ) Monitoring Report prepared by Cody Ehlers Group (CEG) including the Phoenix Laboratory data package. (Please see Attachment 1)
2. Transmit the Data Usability Summary Report (DUSR) prepared by New Environmental Horizons, Inc. (NEH). (Please see Attachment 2)
3. Evaluate the findings of the IAQ report in light of the data trends accumulated for the subject site.
4. Review proposed next steps.

IAQ Monitoring Report highlights.

A summary of the IAQ findings can be found on page 4 and 5 of the attached report. The data is graphically represented on Figure 1 and the Data Table presented in the report. The report highlights the following key elements:

- The New York State Department of Health (NYSDOH) revised cleanup goals for indoor air. The PCE goal is now 30 mcg/m^3 and more importantly TCE went from 5 to 2 mcg/m^3.
- To date we have been tracking the PCE as the main Contaminant of Concern (COC) but a review of the Record of Decision (ROD) shows that we also have to look at the degradation products of PCE, or, TCE.
- The report supports the previous trend that PCE has been remediated from indoor air and subslab air.
- TCE within the sub-slab vapoer is less than TCE cincentrations within the indoor air of the North Room.
- The report also identifies the TCE is present in the indoor air and is not following the downward trend that PCE has to date.

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- After reviewing this information with CEG, we feel that the elevated TCE levels are most likely caused by the dry cleaner operations as part of their normal business. Data supporting this will be presented in the following paragraphs.

Evaluation of Findings

Given the report highlights identified above, we compared the data for PCE and TCE from the onset of indoor air and sub-slab testing covered by this project (February 2009) and presented it graphically. Please see Attachment 3.

Two of the four graphs compare sub-slab (PCE vs TCE) readings through February 2017, and the other two compare PCE and TCE indoor and ambient air readings for the same timeframe.

We can clearly see that the readings were trending downward steadily through the beginning of calendar year 2014. However, from that point on there seems to be something affecting the readings.

The new tenant of the "North Room", Country Cleaners, took ownership of that area on January 14, 2014, and started business operations soon thereafter. This timeframe has been shaded in all four graphs in light yellow. It can clearly be seen that after this January 2014 date, there is an effect on sub-slab TCE as well as indoor air readings for TCE and PCE.

We can also observe that the concentrations of indoor air PCE and TCE readings are higher in the "North Room" where Country Cleaners is now conducting its operations.

In addition, if we refer back to Figure – 1 of the CEG report, we can see that the elevated readings are in the area of the samples taken around Vapor Point – 3 (VP 3) and Indoor Air 3 (IA-3).

Previous discussions with the owner of Country Cleaners indicated that although dry-cleaning operations are conducted off-site, spot cleaning does happen within the "North Room". Cleaning supplies used during this spot cleaning operation are placed in a dedicated receptacle that is then disposed of off-site in an approved manner by an outside company. Although good housekeeping procedures are used by Country Cleaners, they do not have any control over the cleanliness of the receptacle provided by the outside vendor for disposal of their spot cleaning residual materials.

Given this information we conclude that:

- the remediation effort has reached its cleanup objectives for PCE, and
- the residual PCE/TCE concentration is created by the day-to-day business activities of the dry cleaning operation which exists in the "North Room".

Proposed Next Steps

Considering the information and evaluations contained within these reports, we propose the following next steps:

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1. At the onset of the heating season, shutdown the system for six weeks and conduct another indoor air and subslab vapor quality test similar to those previously executed.
2. During this timeframe, perform a complete inventory of the Country Cleaner spot cleaning chemical inventory in order to evaluate its potential contribution to indoor air PCE/TCE concentrations.
3. Upon receipt of the indoor air and subslab vapor quality results, if the results show the existing trend, we propose to leave the sub slab vapor extraction system off, and retest indoor air and subslab vapor quality in one year, during the next heating season.
4. If at that time the indoor air and subslab vapor quality remains consistent with our findings, we would propose to leave the system off permenantly.

We would like to schedule the system shut down and prepare for retesting upon your agreement with the findings of these reports. We look forward to discussing these items with you as soon as conveniently possible.

Should you have any questions or comments please do not hesitate to call me.

Best Regards,

Andris H. Ledins

Digitally signed by Andris H. Ledins
DN: cn=Andris H. Ledins, o, ou, email=aledins57@gmail.com, c=US
Date: 2018.01.01 14:28:46 -05'00'

Andris H. Ledins, P.E.

CC: Amanda G. Benjamin-Smith
Keyvan Ghaytanchi
Michael J Cody

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ATTACHMENT 1

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CODY EHLERS GROUP

EHS CONSULTING AND SERVICES

935 WHITE PLAINS ROAD
TRUMBULL, CONNECTICUT 06611
PHONE: (203) 259-7722

December 22, 2017

Mr. Bert Brodsky
Owners Representative
BSI, LLC
26 Harbor Park Drive
Port Washington, New York 11050

RE: Revised Summary Report
Indoor Air and Sub-Slab Soil Gas Sampling Event
Former Chez Valet Dry Cleaners
3 Manorhaven Blvd.
Port Washington, New York 11050
NYSDEC Site # 1-30-169

Dear Mr. Brodsky:

Cody Ehlers Group (CEG) has been authorized to conduct the annual Indoor Air Quality (IAQ) and Sub-Slab Soil Gas Sampling event at the former Chez Valet Dry Cleaners, 3 Manorhaven Boulevard, Port Washington, New York. The purpose of the project is to support the formal closure of site remedial actions in accordance with the requirements of the Record of Decision (ROD) prepared for the Site by the New York State Department of Environmental Conservation (NYSDEC). This revised report includes revisions to the original October 26, 2017 report following the NYSDEC comments letter dated December 7, 2017.

Background and Purpose

The former Chez Valet building located in a well-developed commercial section of Port Washington (the Site or Property). The 0.30-acre Property contains a 6500-square foot, one-story building constructed in 1926. The remainder of the Property is covered by an asphalt-paved parking lot. The building is presently subdivided into three spaces and is fully occupied. It was formerly occupied by Chez Valet, which conducted dry cleaning operations from the 1970s until 2006. A nail salon, a kitchen interior remodeling store and a dry cleaner presently occupy the building.

Investigations conducted beginning in 2004 identified tetrachloroethene (PCE) in both soil vapor and groundwater at or near the site. The prior owner of the building, Southampton Masonry Tools, LLC, entered into an Order on Consent with the NYSDEC on August 15, 2008 to investigate and remediate the PCE. On June 1, 2016, the successor-in-interest to Southampton Masonry Tools, LLC, 1-3 Manorhaven Boulevard, LLC, entered into an Order on Consent with NYSDEC in order to complete the requirements of the ROD. A brief summary of the remedial measures taken since 2008 are presented below.

In February 2009, the Responsible Party began Interim Remedial Measures (IRMs) that included the install and operation of a soil vapor extraction/sub-slab depressurization system (SVE/SSD) within the footprint of the building. The SVE/SSD system was designed to remove the targeted volatile organic compounds (VOCs) identified during the investigative work, in particular tetrachloroethene (PCE) and its breakdown products and impurities.

Studies conducted as required by the 2008 Order on Consent were concluded in 2011. These studies concluded that historical releases of dry cleaning solvents had resulted in the presence of chlorinated solvents beneath the building and within the Chez Valet space. In March 2011, based on the results of the investigations at the site, the NYSDEC issued a ROD for this Site. The NYSDEC proposed a No Further Action remedy with the continued operation of the SVE/SSD system and continued monitoring of groundwater contaminant trends, as well as the implementation of Institutional and Engineering Controls (ICs/ECs). The Department stated that this remedy is protective of human health and the environment and satisfies the remediation objectives of the ROD.

The ROD required that the SVE/SSD system performance be monitored to evaluate its effectiveness in removing the targeted VOCs from the Property. Two evaluation methods were used. First, Severn Trent personnel collected monthly field measurements of the VOC concentrations using a photoionization detector (PID). The measurements were collected from sampling ports of the untreated soil gas collected by the system prior to carbon treatment and from the post-carbon treated emissions.

Severn Trent supplemented the monthly field measurements with annual sampling and analysis of six air samples. Samples were collected from:

- Ambient air outside of the building,
- Sub-slab vapor samples from beneath the concrete floor of the building, and
- Indoor air samples collected within the building.

The sample results were compared to criteria and guidance values set by the New York State Department of Health (NYSDOH) in its *"Guidance for Evaluating Soil and Vapor Intrusion in the State of New York"*, October 2006.

Previous analytical testing has been done beginning in February 2009 through February 2016. As far back as early 2012, Severn Trent concluded that the field measurements and the laboratory analytical results showed that the PCE had been remediated to below the 2006 NYEDOH 100 ug/m^3 Standard Criteria and Guidance Value. In May 2017, NYSDOH revised the SCG for PCE downward to 30 ug/m^3 and also revised the SCG for trichloroethylene (TCE) downward from 5 to 2 ug/m^3.

Scope of Work

The scope of work was developed previously and agreed to by Brian Jankauskas, the NYSDEC case manager for this Site. The NYSDEC has previously approved a Site Management Plan (SMP), which is available for review, as necessary. The assignment has been performed in accordance with the SMP.

The scope of work included the collection of six air quality samples as follows:

Location/Sample Type

- Outdoor/Ambient Air Sample collected from a location outside (west of) the Chez Valet facility.
- Sampling Point VP-4 within the hair styling salon.
- Sampling Point VP-3 within the former dry cleaner shop.
- Indoor Air Sample IA-4.
- Indoor Air Sample IA-4 duplicate
- Indoor Air Sample IA-3.

The locations of the six samples are depicted on the attached Figure 1.

The SVE/SSD system was shut down on February 17, 2017. The system was reactivated on April 4, 2017 at 11 AM following the completion of the sampling event. The six samples were collected using laboratory-provided, individually certified Summa canisters. Sample collection, handling and preservation protocols followed the NYSDEC and NYS Department of Health protocols as outlined in the SMP. Kyle Kreter, CEG field scientist, collected the samples on March 24, 2017. The samples were delivered to Phoenix Environmental Laboratories, Inc., Manchester, Connecticut 06045. Phoenix is a NYSDEC-approved laboratory (#11301).

Each sample was analyzed for TO-15 volatile organic compounds (VOCs) by Phoenix. The analytical results are summarized on the attached Table 1.

Summary of Analytical Results

A copy of the Phoenix Environmental analytical data package is attached to this letter report. As required by NYSDEC, a third-party data validation firm validated the analytical results. New Environmental Horizons, Inc., Skillman, New Jersey, prepared the Data Usability Summary Report (DUSR), which validated the analytical results. New Environmental Horizons, Inc. determined that there were no deficiencies in the data that would require affect the usability of the analytical result(s). The DUSR will be delivered to the NYSDEC using the current NYSDEC-required digital deliverables format.

- The attached table presents the results for VOCs that were either detected above their respective reporting levels (RLs) or are chlorinated VOCs and could therefore be considered to be impurities or breakdown products of PCE. The revised NYSDOH SCGs published in May 2017 for PCE and TCE are included in the table.

- One or more VOCs that could be attributed to petroleum-related releases are present in the ambient air sample as well as other samples. Additionally, compounds used in aerosol cans as propellants are also present in several samples. (one of these VOCs is carbon tetrachloride (CT), present in all six samples at <0.090 ug/m^3). The Agency for Toxic Substances and Disease Registry (ATSDR) states that CT concentrations in air of 0.1 ug/m^3 are common around the world, with somewhat higher levels often found (0.2-0.6 ppb) in cities.

- Lastly, a number of VOCs considered to be likely laboratory-introduced contaminants are also present in one or more samples. The ROD only identifies PCE and its possible breakdown products or impurities as contaminants of concern at this Site.

- PCE was detected in all six samples including ambient (background) air sampled outside of the building. Detected values ranged between 0.25 and 23.4 ug/m^3. These values range from 0.8 to 100 times below the 30 ug/ m^3 SCG.

- TCE, which is sometimes present as an impurity in industrial grade PCE, was present in two soil gas samples at 0.57-5.08 ug/m^3. TCE was also

present in indoor air sample IA-3 at 33.8 ug/m^3, above the SCG for TCE, which is 5 ug/m^3.

- The most recent IAQ sampling event supports the previous Severn Trent Services conclusion that the principal contaminant of concern, PCE, has been remediated within the building to less than the 30 ug/ m^3 SCG.

Following your review of this summary report, Andy Ledins will forward it along with the DUSR and the Phoenix Environmental Laboratories, Inc. data package to the NYSDEC.

Please do not hesitate to contact Andy Ledins or me with any questions.

Very truly yours,

Michael Cody
Project Director

Attachments

CC: A. Ledins

Figure

SMALL OUTSIDE AREA STRUCTURES REMOVED

VP – 2 [PCE]
- 2/09 – 677 mcg/m³

VP – 2 [TCE]
- 2/09 – 0.97 mcg/m³

Ambient Air (outside) [PCE]
- 2/09 – ND
- 8/13 – 0.48 mcg/m³
- 4/14 – ND
- 4/15 - ND
- 1/16 - 3.4
- 3/17 – 0.25

VP 2

Ambient Air (outside) [TCE]
- 2/09 – ND
- 8/13 – ND mcg/m³
- 4/14 – ND
- 4/15 - ND
- 1/16 – 1.4
- 3/17 – < 0.25

INTERIOR WALLS REMOVED

Indoor Air (Salon) [TCE]
- 2/09 – 1.45 mcg/m³
- 4/11 – ND
- 8/13 – ND
- 4/14 – ND
- 4/15 – ND
- 1/16 – 0.23, ND (DUP)
- 3/17 – < 0.25

Indoor Air (Salon) [PCE]
- 2/09 – 2.51 mcg/m³
- 4/11 – ND
- 8/13 – ND
- 4/14 – 0.25
- 4/15 – ND
- 1/16 – 0.78
- 3/17 – 0.98

VP – 1 [TCE]
- 2/09 – ND mcg/m³

VP – 1 [PCE]
- 2/09 – 4690 mcg/m³

VP 1

Indoor Air IA-3 [PCE]
- 8/13 – 11 mcg/m³
- 4/14 – non-detect
- 4/15 – 61
- 1/16 – 12
- 3/17 – 5.64

Indoor Air IA-3 [TCE]
- 8/13 – ND mcg/m³
- 4/14 – ND
- 4/15 – 180
- 1/16 – 19
- 3/17 – 33.8

VP 3

VP-3 [PCE]
- 2/09 - 13700 mcg/m³
- 8/13 – 1400
- 4/14 – 700
- 4/15 – 330
- 1/16 – 140
- 3/17 - 23

VP-3 [TCE]
- 2/09 – 12.5 mcg/m³
- 8/13 – ND
- 4/14 – ND
- 4/15 – 7.3
- 1/16 – 3.7
- 3/17 – 5.08

VP – 4 [PCE]
- 2/09 – 2900 mcg/m³
- 8/13 – 220
- 4/14 – 44
- 4/15 – 130
- 1/16 – 84
- 3/17 – .055

VP – 4 [TCE]
- 2/09 – 3.65 mcg/m³
- 8/13 – ND
- 4/14 – ND
- 4/15 – ND
- 1/16 – 0.30
- 3/17 – 0.57

VP 4

VP – 5 [TCE]
- 2/09 – 0.97 mcg/m³

VP – 5 [PCE]
- 2/09 – 46.1 mcg/m³

VP 5

VP – 6 [TCE]
- 2/09 – 1.34 mcg/m³

VP – 6 [PCE]
- 2/09 – ND mcg/m³

VP 6

VP 7

A

B

C

D

22ft. 6in.

55ft. 8in.

21ft. 0in.

18ft. 0in.

33ft. 0in.

2ft. 6in.

2ft. 2in.

3ft. 4in.

15ft. 0in.

1ft. 9in.

2ft. 0in.

AREA

WELL

N

EVERGREEN 3 MANORHAVEN BLVD.		SIZE	FSCM NO	FIGURE - 1	REV
DRAWN	ANDRIS LEDINS				
ISSUED	2/8/11	SCALE	SCHEMATIC		SHEET 1A 10F 6

Table

IAQ Analyses
Former Chez Valet Dry Cleaners
1-3 Manorhaven Blvd.
Port Washington, NY

Phoenix Environmental Laboratories, Inc. 587 East Middle Turnpike P.O. Box 370 Manchester, CT 06040 (860) 645-1102 Project Id : CHEZ VALET		Lab Sample Id Collection Date Client Id Matrix		NYSDOH SCG (5/2017) UPDATE	BX94098 3/24/17 AMBIENT AIR (OUTSIDE) Air				BX94099 3/24/17 IA-3 Air				BX94103 3/24/17 IA-1 Air				BX94101 3/24/17 IA-1 DUP Air				BX94102 3/24/17 VP-1 Air				BX94100 3/24/17 VP-3 Air			
Type	**Volatiles (TO15) By TO15**	CAS	Units		Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
C	Carbon Tetrachloride	56-23-5	ug/m3		0.48	0.25		0.25	0.53	0.25		0.25	0.55	0.25		0.25	0.55	0.25		0.25	0.53	0.25		0.25	0.52	0.25		0.25
C	Chloromethane	74-87-3	ug/m3		< 1.00	1.00	U	1.00	2.31	1.00		1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
C	Cis-1,2-Dichloroethene	156-59-2	ug/m3		< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
C	Tetrachloroethene	127-18-4	ug/m3	30	0.25	0.25		0.25	5.64	0.25		0.25	0.98	0.25		0.25	0.74	0.25		0.25	0.55	0.25		0.25	23.4	0.25		0.25
C	Trans-1,2-Dichloroethene	156-60-5	ug/m3		< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
C	Trichloroethene	79-01-6	ug/m3	2	< 0.25	0.25	U	0.25	33.8	0.25		0.25	< 0.25	0.25	U	0.25	< 0.25	0.25	U	0.25	0.57	0.25		0.25	5.08	0.25		0.25
C	Vinyl Chloride	75-01-4	ug/m3		< 0.25	0.25	U	0.25	< 0.25	0.25	U	0.25	< 0.25	0.25	U	0.25	< 0.25	0.25	U	0.25	< 0.25	0.25	U	0.25	< 0.25	0.25	U	0.25
L	2-Hexanone(MBK)	591-78-6	ug/m3		< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	1.29	1.00		1.00	2.17	1.00		1.00
L	Acetone	67-64-1	ug/m3		4.87	1.00	S	1.00	17.3	1.00		1.00	92.3	1.00		1.00	84.5	1.00		1.00	88.1	1.00		1.00	76.7	1.00		1.00
L	Chloroform	67-66-3	ug/m3		< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	3.41	1.00		1.00	3.22	1.00		1.00	2.02	1.00		1.00	< 1.00	1.00	U	1.00
L	Dichlorodifluoromethane	75-71-8	ug/m3		2.21	1.00		1.00	2.16	1.00		1.00	2.12	1.00		1.00	2.13	1.00		1.00	2.53	1.00		1.00	3.01	1.00		1.00
L	Ethyl acetate	141-78-6	ug/m3		< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	6.09	1.00		1.00	5.44	1.00		1.00	6.45	1.00		1.00	3.64	1.00		1.00
L	Isopropylalcohol	67-63-0	ug/m3		1.18	1.00		1.00	7.86	1.00		1.00	540	1.00	J	1.00	472	1.00	J	1.00	283	1.00	J	1.00	22.4	1.00		1.00
L	Methyl Ethyl Ketone	78-93-3	ug/m3	60	< 1.00	1.00	U	1.00	1.38	1.00		1.00	1.8	1.00		1.00	1.69	1.00		1.00	4.86	1.00		1.00	7.52	1.00		1.00
L	Methylene Chloride	75-09-2	ug/m3		< 1.00	1.00	U	1.00	14.9	1.00		1.00	< 1.00	1.00	U	1.00	1.37	1.00	S	1.00	< 1.00	1.00	U	1.00	1.27	1.00	S	1.00
L	Tetrahydrofuran	109-99-9	ug/m3		< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	1.38	1.00		1.00	1.67	1.00		1.00
L	Trichlorofluoromethane	75-69-4	ug/m3		1.21	1.00		1.00	1.3	1.00		1.00	1.29	1.00		1.00	1.18	1.00		1.00	1.29	1.00		1.00	1.28	1.00		1.00
p	1,2,4-Trimethylbenzene	95-63-6	ug/m3		< 1.00	1.00	U	1.00	2.71	1.00		1.00	1.07	1.00		1.00	1.05	1.00		1.00	1.54	1.00		1.00	1.73	1.00		1.00
P	4-Isopropyltoluene	99-87-6	ug/m3		< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	1.04	1.00		1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
P	Benzene	71-43-2	ug/m3		< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	1.04	1.00		1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00
P	Ethanol	64-17-5	ug/m3		5.07	1.00		1.00	78	1.00	J	1.00	8,000	1.00	J	1.00	7,480	1.00	J	1.00	4,030	1.00	J	1.00	124	1.00	J	1.00
P	Heptane	142-82-5	ug/m3		< 1.00	1.00	U	1.00	1.35	1.00		1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	1.03	1.00		1.00	1.06	1.00		1.00
P	m,p-Xylene	179601-23-1	ug/m3		< 1.00	1.00	U	1.00	2.83	1.00		1.00	1.64	1.00		1.00	1.49	1.00		1.00	2.72	1.00		1.00	2.87	1.00		1.00
P	o-Xylene	95-47-6	ug/m3		< 1.00	1.00	U	1.00	2.01	1.00		1.00	< 1.00	1.00	U	1.00	< 1.00	1.00	U	1.00	1.26	1.00		1.00	1.53	1.00		1.00
P	Toluene	108-88-3	ug/m3		< 1.00	1.00	U	1.00	15.1	1.00		1.00	3.47	1.00		1.00	3.45	1.00		1.00	4.67	1.00		1.00	5.12	1.00		1.00

15.1 Compound detected at indicated value

Qualifiers

U The compound was anlayzed for but not detected at or above the MDL.
The number immediately preceding the "U" represents the PQL reporting level corrected for percent solids, weight and/or volume calculations, and dilution factors.

J The value is estimated. This flag is used
a) on form 1 when the compound is reported above the MDL, but below the PQL, and
b) on the Tentatively Identified Compounds (TIC) form for all compounds identified.

S This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.

Type of Contaminant
C chlorinated volatile organic compound
L Laboratory artifact
P Petroleum-related volatile organic compound

Phoenix Environmental Laboratories, Inc.
Data Package

CODY EHLERS GROUP

PHOENIX
Environmental Laboratories, Inc.

Wednesday, March 29, 2017

Attn: Mr. Mike Cody
Cody Ehlers Group
140 Sherman St.
Fairfield, CT 06824

Project ID: CHEZ VALET
Sample ID#s: BX94098 - BX94103

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

March 29, 2017

SDG I.D.: GBX94098

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 29, 2017

FOR: Attn: Mr. Mike Cody
Cody Ehlers Group
140 Sherman St.
Fairfield, CT 06824

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	KK	03/24/17	14:30
Location Code:	CEG	Received by:	LB	03/27/17	14:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	221				

Laboratory Data

SDG ID: GBX94098
Phoenix ID: BX94098

Project ID: CHEZ VALET
Client ID: AMBIENT AIR (OUTSIDE)

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)											
1,1,1,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	03/27/17	KCA	1	1
1,1,1-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	03/27/17	KCA	1	
1,1,2,2-Tetrachloroethane	ND		*0.146*	0.146	ND	*1.00*	1.00	03/27/17	KCA	1	
1,1,2-Trichloroethane	ND		*0.183*	0.183	ND	*1.00*	1.00	03/27/17	KCA	1	
1,1-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	03/27/17	KCA	1	
1,1-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	03/27/17	KCA	1	
1,2,4-Trichlorobenzene	ND		*0.135*	0.135	ND	*1.00*	1.00	03/27/17	KCA	1	
1,2,4-Trimethylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	03/27/17	KCA	1	
1,2-Dibromoethane(EDB)	ND		*0.130*	0.130	ND	*1.00*	1.00	03/27/17	KCA	1	
1,2-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	03/27/17	KCA	1	
1,2-Dichloroethane	ND		*0.247*	0.247	ND	*1.00*	1.00	03/27/17	KCA	1	
1,2-dichloropropane	ND		*0.217*	0.217	ND	*1.00*	1.00	03/27/17	KCA	1	
1,2-Dichlorotetrafluoroethane	ND		*0.143*	0.143	ND	*1.00*	1.00	03/27/17	KCA	1	
1,3,5-Trimethylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	03/27/17	KCA	1	
1,3-Butadiene	ND		*0.452*	0.452	ND	*1.00*	1.00	03/27/17	KCA	1	
1,3-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	03/27/17	KCA	1	
1,4-Dichlorobenzene	ND		*0.166*	0.166	ND	*1.00*	1.00	03/27/17	KCA	1	
1,4-Dioxane	ND		*0.278*	0.278	ND	*1.00*	1.00	03/27/17	KCA	1	
2-Hexanone(MBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	03/27/17	KCA	1	1
4-Ethyltoluene	ND		*0.204*	0.204	ND	*1.00*	1.00	03/27/17	KCA	1	1
4-Isopropyltoluene	ND		*0.182*	0.182	ND	*1.00*	1.00	03/27/17	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND		*0.244*	0.244	ND	*1.00*	1.00	03/27/17	KCA	1	
Acetone	2.05	S	*0.421*	0.421	4.87	*1.00*	1.00	03/27/17	KCA	1	
Acrylonitrile	ND		*0.461*	0.461	ND	*1.00*	1.00	03/27/17	KCA	1	
Benzene	ND		*0.313*	0.313	ND	*1.00*	1.00	03/27/17	KCA	1	
Benzyl chloride	ND		*0.193*	0.193	ND	*1.00*	1.00	03/27/17	KCA	1	

Project ID: CHEZ VALET

Phoenix I.D.: BX94098

Client ID: AMBIENT AIR (OUTSIDE)

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	0.149	ND	*1.00*	1.00	03/27/17	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	03/27/17	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	03/27/17	KCA	1	
Carbon Disulfide	ND	*0.321*	0.321	ND	*1.00*	1.00	03/27/17	KCA	1	
Carbon Tetrachloride	0.077	*0.040*	0.040	0.48	*0.25*	0.25	03/27/17	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	03/27/17	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	03/27/17	KCA	1	
Chloroform	ND	*0.205*	0.205	ND	*1.00*	1.00	03/27/17	KCA	1	
Chloromethane	ND	*0.485*	0.485	ND	*1.00*	1.00	03/27/17	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	03/27/17	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	03/27/17	KCA	1	
Cyclohexane	ND	*0.291*	0.291	ND	*1.00*	1.00	03/27/17	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	03/27/17	KCA	1	
Dichlorodifluoromethane	0.448	*0.202*	0.202	2.21	*1.00*	1.00	03/27/17	KCA	1	
Ethanol	2.69	*0.531*	0.531	5.07	*1.00*	1.00	03/27/17	KCA	1	1
Ethyl acetate	ND	*0.278*	0.278	ND	*1.00*	1.00	03/27/17	KCA	1	1
Ethylbenzene	ND	*0.230*	0.230	ND	*1.00*	1.00	03/27/17	KCA	1	
Heptane	ND	*0.244*	0.244	ND	*1.00*	1.00	03/27/17	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	03/27/17	KCA	1	
Hexane	ND	*0.284*	0.284	ND	*1.00*	1.00	03/27/17	KCA	1	
Isopropylalcohol	0.479	*0.407*	0.407	1.18	*1.00*	1.00	03/27/17	KCA	1	
Isopropylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/27/17	KCA	1	
m,p-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	03/27/17	KCA	1	
Methyl Ethyl Ketone	ND	*0.339*	0.339	ND	*1.00*	1.00	03/27/17	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	03/27/17	KCA	1	
Methylene Chloride	ND	*0.288*	0.288	ND	*1.00*	1.00	03/27/17	KCA	1	
n-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	03/27/17	KCA	1	1
o-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	03/27/17	KCA	1	
Propylene	ND	*0.581*	0.581	ND	*1.00*	1.00	03/27/17	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	03/27/17	KCA	1	1
Styrene	ND	*0.235*	0.235	ND	*1.00*	1.00	03/27/17	KCA	1	
Tetrachloroethene	0.037	*0.037*	0.037	0.25	*0.25*	0.25	03/27/17	KCA	1	
Tetrahydrofuran	ND	*0.339*	0.339	ND	*1.00*	1.00	03/27/17	KCA	1	1
Toluene	ND	*0.266*	0.266	ND	*1.00*	1.00	03/27/17	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	03/27/17	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	03/27/17	KCA	1	
Trichloroethene	ND	*0.047*	0.047	ND	*0.25*	0.25	03/27/17	KCA	1	
Trichlorofluoromethane	0.216	*0.178*	0.178	1.21	*1.00*	1.00	03/27/17	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	03/27/17	KCA	1	
Vinyl Chloride	ND	*0.098*	0.098	ND	*0.25*	0.25	03/27/17	KCA	1	
QA/QC Surrogates										
% Bromofluorobenzene	104	*%*	%	104	*%*	%	03/27/17	KCA	1	

Ver 1

Project ID: CHEZ VALET
Phoenix I.D.: BX94098
Client ID: AMBIENT AIR (OUTSIDE)

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

March 29, 2017

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 29, 2017

FOR: Attn: Mr. Mike Cody
Cody Ehlers Group
140 Sherman St.
Fairfield, CT 06824

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	KK	03/24/17	14:45
Location Code:	CEG	Received by:	LB	03/27/17	14:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	483				

Laboratory Data

SDG ID: GBX94098
Phoenix ID: BX94099

Project ID: CHEZ VALET
Client ID: IA-3

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	03/27/17	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	03/27/17	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	03/27/17	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	03/27/17	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	03/27/17	KCA	1	
1,1-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	03/27/17	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	03/27/17	KCA	1	
1,2,4-Trimethylbenzene	0.551	*0.204*	0.204	2.71	*1.00*	1.00	03/27/17	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	03/27/17	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/27/17	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	03/27/17	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	03/27/17	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	03/27/17	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/27/17	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	03/27/17	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/27/17	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/27/17	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	03/27/17	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	03/27/17	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/27/17	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	03/27/17	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	03/27/17	KCA	1	
Acetone	7.30	*0.421*	0.421	17.3	*1.00*	1.00	03/27/17	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	03/27/17	KCA	1	
Benzene	ND	*0.313*	0.313	ND	*1.00*	1.00	03/27/17	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	03/27/17	KCA	1	

Project ID: CHEZ VALET
Client ID: IA-3

Phoenix I.D.: BX94099

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	03/27/17	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	03/27/17	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	03/27/17	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	03/27/17	KCA	1	
Carbon Tetrachloride	0.084		*0.040*	0.040	0.53	*0.25*	0.25	03/27/17	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	03/27/17	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	03/27/17	KCA	1	
Chloroform	ND		*0.205*	0.205	ND	*1.00*	1.00	03/27/17	KCA	1	
Chloromethane	1.12		*0.485*	0.485	2.31	*1.00*	1.00	03/27/17	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	03/27/17	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	03/27/17	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND	*1.00*	1.00	03/27/17	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	03/27/17	KCA	1	
Dichlorodifluoromethane	0.438		*0.202*	0.202	2.16	*1.00*	1.00	03/27/17	KCA	1	
Ethanol	41.4	E	*0.531*	0.531	78.0	*1.00*	1.00	03/27/17	KCA	1	1
Ethyl acetate	ND		*0.278*	0.278	ND	*1.00*	1.00	03/27/17	KCA	1	1
Ethylbenzene	ND		*0.230*	0.230	ND	*1.00*	1.00	03/27/17	KCA	1	
Heptane	0.330		*0.244*	0.244	1.35	*1.00*	1.00	03/27/17	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	03/27/17	KCA	1	
Hexane	ND		*0.284*	0.284	ND	*1.00*	1.00	03/27/17	KCA	1	
Isopropylalcohol	3.20		*0.407*	0.407	7.86	*1.00*	1.00	03/27/17	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	03/27/17	KCA	1	
m,p-Xylene	0.651		*0.230*	0.230	2.83	*1.00*	1.00	03/27/17	KCA	1	
Methyl Ethyl Ketone	0.467		*0.339*	0.339	1.38	*1.00*	1.00	03/27/17	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	03/27/17	KCA	1	
Methylene Chloride	4.29		*0.288*	0.288	14.9	*1.00*	1.00	03/27/17	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	03/27/17	KCA	1	1
o-Xylene	0.464		*0.230*	0.230	2.01	*1.00*	1.00	03/27/17	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	03/27/17	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	03/27/17	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	03/27/17	KCA	1	
Tetrachloroethene	0.832		*0.037*	0.037	5.64	*0.25*	0.25	03/27/17	KCA	1	
Tetrahydrofuran	ND		*0.339*	0.339	ND	*1.00*	1.00	03/27/17	KCA	1	1
Toluene	4.02		*0.266*	0.266	15.1	*1.00*	1.00	03/27/17	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	03/27/17	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	03/27/17	KCA	1	
Trichloroethene	6.29		*0.047*	0.047	33.8	*0.25*	0.25	03/27/17	KCA	1	
Trichlorofluoromethane	0.232		*0.178*	0.178	1.30	*1.00*	1.00	03/27/17	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	03/27/17	KCA	1	
Vinyl Chloride	ND		*0.098*	0.098	ND	*0.25*	0.25	03/27/17	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	108		*%*	%	108	*%*	%	03/27/17	KCA	1	

Ver 1

Project ID: CHEZ VALET
Client ID: IA-3

Phoenix I.D.: BX94099

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 29, 2017
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 29, 2017

FOR: Attn: Mr. Mike Cody
Cody Ehlers Group
140 Sherman St.
Fairfield, CT 06824

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	KK	03/24/17	14:45
Location Code:	CEG	Received by:	LB	03/27/17	14:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	224				

Laboratory Data

SDG ID: GBX94098
Phoenix ID: BX94100

Project ID: CHEZ VALET
Client ID: VP-3

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	03/28/17	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	03/28/17	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	03/28/17	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	03/28/17	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	03/28/17	KCA	1	
1,1-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	03/28/17	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	03/28/17	KCA	1	
1,2,4-Trimethylbenzene	0.352	*0.204*	0.204	1.73	*1.00*	1.00	03/28/17	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	03/28/17	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/28/17	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	03/28/17	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	03/28/17	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	03/28/17	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/28/17	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	03/28/17	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/28/17	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/28/17	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	03/28/17	KCA	1	
2-Hexanone(MBK)	0.531	*0.244*	0.244	2.17	*1.00*	1.00	03/28/17	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/28/17	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	03/28/17	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	03/28/17	KCA	1	
Acetone	32.3	*0.421*	0.421	76.7	*1.00*	1.00	03/28/17	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	03/28/17	KCA	1	
Benzene	ND	*0.313*	0.313	ND	*1.00*	1.00	03/28/17	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	03/28/17	KCA	1	

Project ID: CHEZ VALET
Client ID: VP-3

Phoenix I.D.: BX94100

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	03/28/17	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	03/28/17	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	03/28/17	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	03/28/17	KCA	1	
Carbon Tetrachloride	0.083		*0.040*	0.040	0.52	*0.25*	0.25	03/28/17	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	03/28/17	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	03/28/17	KCA	1	
Chloroform	ND		*0.205*	0.205	ND	*1.00*	1.00	03/28/17	KCA	1	
Chloromethane	ND		*0.485*	0.485	ND	*1.00*	1.00	03/28/17	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	03/28/17	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	03/28/17	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND	*1.00*	1.00	03/28/17	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	03/28/17	KCA	1	
Dichlorodifluoromethane	0.609		*0.202*	0.202	3.01	*1.00*	1.00	03/28/17	KCA	1	
Ethanol	66.1	E	*0.531*	0.531	124	*1.00*	1.00	03/28/17	KCA	1	1
Ethyl acetate	1.01		*0.278*	0.278	3.64	*1.00*	1.00	03/28/17	KCA	1	1
Ethylbenzene	ND		*0.230*	0.230	ND	*1.00*	1.00	03/28/17	KCA	1	
Heptane	0.260		*0.244*	0.244	1.06	*1.00*	1.00	03/28/17	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	03/28/17	KCA	1	
Hexane	ND		*0.284*	0.284	ND	*1.00*	1.00	03/28/17	KCA	1	
Isopropylalcohol	9.10		*0.407*	0.407	22.4	*1.00*	1.00	03/28/17	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	03/28/17	KCA	1	
m,p-Xylene	0.662		*0.230*	0.230	2.87	*1.00*	1.00	03/28/17	KCA	1	
Methyl Ethyl Ketone	2.55		*0.339*	0.339	7.52	*1.00*	1.00	03/28/17	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	03/28/17	KCA	1	
Methylene Chloride	0.365	S	*0.288*	0.288	1.27	*1.00*	1.00	03/28/17	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	03/28/17	KCA	1	1
o-Xylene	0.352		*0.230*	0.230	1.53	*1.00*	1.00	03/28/17	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	03/28/17	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	03/28/17	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	03/28/17	KCA	1	
Tetrachloroethene	3.45		*0.037*	0.037	23.4	*0.25*	0.25	03/28/17	KCA	1	
Tetrahydrofuran	0.567		*0.339*	0.339	1.67	*1.00*	1.00	03/28/17	KCA	1	1
Toluene	1.36		*0.266*	0.266	5.12	*1.00*	1.00	03/28/17	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	03/28/17	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	03/28/17	KCA	1	
Trichloroethene	0.946		*0.047*	0.047	5.08	*0.25*	0.25	03/28/17	KCA	1	
Trichlorofluoromethane	0.228		*0.178*	0.178	1.28	*1.00*	1.00	03/28/17	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	03/28/17	KCA	1	
Vinyl Chloride	ND		*0.098*	0.098	ND	*0.25*	0.25	03/28/17	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	108		*%*	%	108	*%*	%	03/28/17	KCA	1	

Ver 1

Project ID: CHEZ VALET
Client ID: VP-3

Phoenix I.D.: BX94100

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 29, 2017
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 29, 2017

FOR: Attn: Mr. Mike Cody
Cody Ehlers Group
140 Sherman St.
Fairfield, CT 06824

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	KK	03/24/17	15:00
Location Code:	CEG	Received by:	LB	03/27/17	14:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	21326				

Laboratory Data

SDG ID: GBX94098
Phoenix ID: BX94101

Project ID: CHEZ VALET
Client ID: IA-1 DUP

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	03/27/17	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	03/27/17	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	03/27/17	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	03/27/17	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	03/27/17	KCA	1	
1,1-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	03/27/17	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	03/27/17	KCA	1	
1,2,4-Trimethylbenzene	0.213	*0.204*	0.204	1.05	*1.00*	1.00	03/27/17	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	03/27/17	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/27/17	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	03/27/17	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	03/27/17	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	03/27/17	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/27/17	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	03/27/17	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/27/17	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/27/17	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	03/27/17	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	03/27/17	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/27/17	KCA	1	1
4-Isopropyltoluene	0.190	*0.182*	0.182	1.04	*1.00*	1.00	03/27/17	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	03/27/17	KCA	1	
Acetone	35.6	*0.421*	0.421	84.5	*1.00*	1.00	03/27/17	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	03/27/17	KCA	1	
Benzene	ND	*0.313*	0.313	ND	*1.00*	1.00	03/27/17	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	03/27/17	KCA	1	

Project ID: CHEZ VALET
Client ID: IA-1 DUP

Phoenix I.D.: BX94101

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	03/27/17	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	03/27/17	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	03/27/17	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	03/27/17	KCA	1	
Carbon Tetrachloride	0.088		*0.040*	0.040	0.55	*0.25*	0.25	03/27/17	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	03/27/17	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	03/27/17	KCA	1	
Chloroform	0.659		*0.205*	0.205	3.22	*1.00*	1.00	03/27/17	KCA	1	
Chloromethane	ND		*0.485*	0.485	ND	*1.00*	1.00	03/27/17	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	03/27/17	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	03/27/17	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND	*1.00*	1.00	03/27/17	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	03/27/17	KCA	1	
Dichlorodifluoromethane	0.431		*0.202*	0.202	2.13	*1.00*	1.00	03/27/17	KCA	1	
Ethanol	3970	E	*0.531*	0.531	7480	*1.00*	1.00	03/27/17	KCA	1	1
Ethyl acetate	1.51		*0.278*	0.278	5.44	*1.00*	1.00	03/27/17	KCA	1	1
Ethylbenzene	ND		*0.230*	0.230	ND	*1.00*	1.00	03/27/17	KCA	1	
Heptane	ND		*0.244*	0.244	ND	*1.00*	1.00	03/27/17	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	03/27/17	KCA	1	
Hexane	ND		*0.284*	0.284	ND	*1.00*	1.00	03/27/17	KCA	1	
Isopropylalcohol	192	E	*0.407*	0.407	472	*1.00*	1.00	03/27/17	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	03/27/17	KCA	1	
m,p-Xylene	0.344		*0.230*	0.230	1.49	*1.00*	1.00	03/27/17	KCA	1	
Methyl Ethyl Ketone	0.575		*0.339*	0.339	1.69	*1.00*	1.00	03/27/17	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	03/27/17	KCA	1	
Methylene Chloride	0.394	S	*0.288*	0.288	1.37	*1.00*	1.00	03/27/17	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	03/27/17	KCA	1	1
o-Xylene	ND		*0.230*	0.230	ND	*1.00*	1.00	03/27/17	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	03/27/17	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	03/27/17	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	03/27/17	KCA	1	
Tetrachloroethene	0.109		*0.037*	0.037	0.74	*0.25*	0.25	03/27/17	KCA	1	
Tetrahydrofuran	ND		*0.339*	0.339	ND	*1.00*	1.00	03/27/17	KCA	1	1
Toluene	0.917		*0.266*	0.266	3.45	*1.00*	1.00	03/27/17	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	03/27/17	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	03/27/17	KCA	1	
Trichloroethene	ND		*0.047*	0.047	ND	*0.25*	0.25	03/27/17	KCA	1	
Trichlorofluoromethane	0.211		*0.178*	0.178	1.18	*1.00*	1.00	03/27/17	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	03/27/17	KCA	1	
Vinyl Chloride	ND		*0.098*	0.098	ND	*0.25*	0.25	03/27/17	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	109		*%*	%	109	*%*	%	03/27/17	KCA	1	

Ver 1

Project ID: CHEZ VALET
Client ID: IA-1 DUP

Phoenix I.D.: BX94101

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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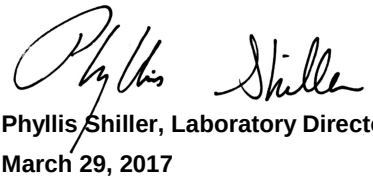

Phyllis Shiller, Laboratory Director
March 29, 2017
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 29, 2017

FOR: Attn: Mr. Mike Cody
Cody Ehlers Group
140 Sherman St.
Fairfield, CT 06824

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	KK	03/24/17	15:00
Location Code:	CEG	Received by:	LB	03/27/17	14:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	12859				

Laboratory Data

SDG ID: GBX94098
Phoenix ID: BX94102

Project ID: CHEZ VALET
Client ID: VP-1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	03/28/17	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	03/28/17	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	03/28/17	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	03/28/17	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	03/28/17	KCA	1	
1,1-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	03/28/17	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	03/28/17	KCA	1	
1,2,4-Trimethylbenzene	0.314	*0.204*	0.204	1.54	*1.00*	1.00	03/28/17	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	03/28/17	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/28/17	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	03/28/17	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	03/28/17	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	03/28/17	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/28/17	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	03/28/17	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/28/17	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/28/17	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	03/28/17	KCA	1	
2-Hexanone(MBK)	0.315	*0.244*	0.244	1.29	*1.00*	1.00	03/28/17	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/28/17	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	03/28/17	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	03/28/17	KCA	1	
Acetone	37.1	*0.421*	0.421	88.1	*1.00*	1.00	03/28/17	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	03/28/17	KCA	1	
Benzene	ND	*0.313*	0.313	ND	*1.00*	1.00	03/28/17	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	03/28/17	KCA	1	

Project ID: CHEZ VALET
Client ID: VP-1

Phoenix I.D.: BX94102

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	03/28/17	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	03/28/17	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	03/28/17	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	03/28/17	KCA	1	
Carbon Tetrachloride	0.085		*0.040*	0.040	0.53	*0.25*	0.25	03/28/17	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	03/28/17	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	03/28/17	KCA	1	
Chloroform	0.413		*0.205*	0.205	2.02	*1.00*	1.00	03/28/17	KCA	1	
Chloromethane	ND		*0.485*	0.485	ND	*1.00*	1.00	03/28/17	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	03/28/17	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	03/28/17	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND	*1.00*	1.00	03/28/17	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	03/28/17	KCA	1	
Dichlorodifluoromethane	0.511		*0.202*	0.202	2.53	*1.00*	1.00	03/28/17	KCA	1	
Ethanol	2140	E	*0.531*	0.531	4030	*1.00*	1.00	03/28/17	KCA	1	1
Ethyl acetate	1.79		*0.278*	0.278	6.45	*1.00*	1.00	03/28/17	KCA	1	1
Ethylbenzene	ND		*0.230*	0.230	ND	*1.00*	1.00	03/28/17	KCA	1	
Heptane	0.251		*0.244*	0.244	1.03	*1.00*	1.00	03/28/17	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	03/28/17	KCA	1	
Hexane	ND		*0.284*	0.284	ND	*1.00*	1.00	03/28/17	KCA	1	
Isopropylalcohol	115	E	*0.407*	0.407	283	*1.00*	1.00	03/28/17	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	03/28/17	KCA	1	
m,p-Xylene	0.627		*0.230*	0.230	2.72	*1.00*	1.00	03/28/17	KCA	1	
Methyl Ethyl Ketone	1.65		*0.339*	0.339	4.86	*1.00*	1.00	03/28/17	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	03/28/17	KCA	1	
Methylene Chloride	ND		*0.288*	0.288	ND	*1.00*	1.00	03/28/17	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	03/28/17	KCA	1	1
o-Xylene	0.291		*0.230*	0.230	1.26	*1.00*	1.00	03/28/17	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	03/28/17	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	03/28/17	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	03/28/17	KCA	1	
Tetrachloroethene	0.081		*0.037*	0.037	0.55	*0.25*	0.25	03/28/17	KCA	1	
Tetrahydrofuran	0.469		*0.339*	0.339	1.38	*1.00*	1.00	03/28/17	KCA	1	1
Toluene	1.24		*0.266*	0.266	4.67	*1.00*	1.00	03/28/17	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	03/28/17	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	03/28/17	KCA	1	
Trichloroethene	0.106		*0.047*	0.047	0.57	*0.25*	0.25	03/28/17	KCA	1	
Trichlorofluoromethane	0.230		*0.178*	0.178	1.29	*1.00*	1.00	03/28/17	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	03/28/17	KCA	1	
Vinyl Chloride	ND		*0.098*	0.098	ND	*0.25*	0.25	03/28/17	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	106		*%*	%	106	*%*	%	03/28/17	KCA	1	

Ver 1

Project ID: CHEZ VALET
Client ID: VP-1

Phoenix I.D.: BX94102

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
March 29, 2017
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 29, 2017

FOR: Attn: Mr. Mike Cody
Cody Ehlers Group
140 Sherman St.
Fairfield, CT 06824

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	KK	03/24/17	15:00
Location Code:	CEG	Received by:	LB	03/27/17	14:38
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	19930				

Laboratory Data

SDG ID: GBX94098
Phoenix ID: BX94103

Project ID: CHEZ VALET
Client ID: IA-1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	03/27/17	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	03/27/17	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	03/27/17	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	03/27/17	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	03/27/17	KCA	1	
1,1-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	03/27/17	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	03/27/17	KCA	1	
1,2,4-Trimethylbenzene	0.218	*0.204*	0.204	1.07	*1.00*	1.00	03/27/17	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	03/27/17	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/27/17	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	03/27/17	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	03/27/17	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	03/27/17	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/27/17	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	03/27/17	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/27/17	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	03/27/17	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	03/27/17	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	03/27/17	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	03/27/17	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	03/27/17	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	03/27/17	KCA	1	
Acetone	38.9	*0.421*	0.421	92.3	*1.00*	1.00	03/27/17	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	03/27/17	KCA	1	
Benzene	0.327	*0.313*	0.313	1.04	*1.00*	1.00	03/27/17	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	03/27/17	KCA	1	

Ver 1

Project ID: CHEZ VALET
Client ID: IA-1

Phoenix I.D.: BX94103

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	0.149	ND	*1.00*	1.00	03/27/17	KCA	1	
Bromoform	ND		*0.097*	0.097	ND	*1.00*	1.00	03/27/17	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND	*1.00*	1.00	03/27/17	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND	*1.00*	1.00	03/27/17	KCA	1	
Carbon Tetrachloride	0.087		*0.040*	0.040	0.55	*0.25*	0.25	03/27/17	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND	*1.00*	1.00	03/27/17	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND	*1.00*	1.00	03/27/17	KCA	1	
Chloroform	0.699		*0.205*	0.205	3.41	*1.00*	1.00	03/27/17	KCA	1	
Chloromethane	ND		*0.485*	0.485	ND	*1.00*	1.00	03/27/17	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	03/27/17	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	03/27/17	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND	*1.00*	1.00	03/27/17	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND	*1.00*	1.00	03/27/17	KCA	1	
Dichlorodifluoromethane	0.428		*0.202*	0.202	2.12	*1.00*	1.00	03/27/17	KCA	1	
Ethanol	4250	E	*0.531*	0.531	8000	*1.00*	1.00	03/27/17	KCA	1	1
Ethyl acetate	1.69		*0.278*	0.278	6.09	*1.00*	1.00	03/27/17	KCA	1	1
Ethylbenzene	ND		*0.230*	0.230	ND	*1.00*	1.00	03/27/17	KCA	1	
Heptane	ND		*0.244*	0.244	ND	*1.00*	1.00	03/27/17	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND	*1.00*	1.00	03/27/17	KCA	1	
Hexane	ND		*0.284*	0.284	ND	*1.00*	1.00	03/27/17	KCA	1	
Isopropylalcohol	220	E	*0.407*	0.407	540	*1.00*	1.00	03/27/17	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND	*1.00*	1.00	03/27/17	KCA	1	
m,p-Xylene	0.377		*0.230*	0.230	1.64	*1.00*	1.00	03/27/17	KCA	1	
Methyl Ethyl Ketone	0.612		*0.339*	0.339	1.80	*1.00*	1.00	03/27/17	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND	*1.00*	1.00	03/27/17	KCA	1	
Methylene Chloride	ND		*0.288*	0.288	ND	*1.00*	1.00	03/27/17	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	03/27/17	KCA	1	1
o-Xylene	ND		*0.230*	0.230	ND	*1.00*	1.00	03/27/17	KCA	1	
Propylene	ND		*0.581*	0.581	ND	*1.00*	1.00	03/27/17	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND	*1.00*	1.00	03/27/17	KCA	1	1
Styrene	ND		*0.235*	0.235	ND	*1.00*	1.00	03/27/17	KCA	1	
Tetrachloroethene	0.145		*0.037*	0.037	0.98	*0.25*	0.25	03/27/17	KCA	1	
Tetrahydrofuran	ND		*0.339*	0.339	ND	*1.00*	1.00	03/27/17	KCA	1	1
Toluene	0.922		*0.266*	0.266	3.47	*1.00*	1.00	03/27/17	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND	*1.00*	1.00	03/27/17	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND	*1.00*	1.00	03/27/17	KCA	1	
Trichloroethene	ND		*0.047*	0.047	ND	*0.25*	0.25	03/27/17	KCA	1	
Trichlorofluoromethane	0.230		*0.178*	0.178	1.29	*1.00*	1.00	03/27/17	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND	*1.00*	1.00	03/27/17	KCA	1	
Vinyl Chloride	ND		*0.098*	0.098	ND	*0.25*	0.25	03/27/17	KCA	1	
QA/QC Surrogates											
% Bromofluorobenzene	107		*%*	%	107	*%*	%	03/27/17	KCA	1	

Ver 1

Project ID: CHEZ VALET
Client ID: IA-1

Phoenix I.D.: BX94103

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

E = Estimated value quantitated above calibration range for this compound.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 29, 2017
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Wednesday, March 29, 2017

Criteria: None

State: NY

Sample Criteria Exceedances Report

GBX94098 - CEG

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

CHAIN OF CUSTODY RECORD
AIR ANALYSES

PHOENIX *Environmental Laboratories, Inc.*

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

800-827-5426
email: greg@phoenixlabs.com

P.O. # | Page 1 of 1

Data Delivery:
☐ Fax #:
☒ Email:
☐ Phone #:

Report to: Mike Cody
Customer: Cody Ehlers Group
Address: 935 White Plains Rd. Suite 205
Trumbull, CT 06611

Invoice to: Cody Ehlers Group

Sampled by: KYLE KRETER

Project Name: Chez Valet

Requested Deliverable:
RCP ☐ ASP CAT B ☐
MCP ☐ NJ Deliverables ☐

State where samples collected: NY

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
94098	AMBIENT AIR (outside)	221	6.0	-30	-5	5385	10-8	6:30	14:30	3/24/17	-30	-6					X
94099	[redacted] IA-3	483			-8	5396		6:45	14:45		-29	-7					
94100	VP-3	224			-8	4978		6:15	14:45		-30	-7					
94101	IA-1 Dup	21326			-9	5389		7:00	15:00		-29	-7					
94102	VP-1	12859			-11	5356		7:00	15:00		-30	-10					
94103	IA-1	19930			-10	4991		7:00	15:00		-30	-8					
	6 x Individual Certified																
	6L Cans + SIM regs.																

Relinquished by:	Accepted by:	Date:	Time:
		3/25/17	3:25 PM
		3/25/17	2:48 PM

Data Format:
Excel ☑ Equis ☐ GISKey ☐
PDF ☑ Other: ☐

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:
Data Package needs to be compatible with NYDEC digital deliverables format have G. Lawrence call M. Cody

Requested Criteria

Quote Number:

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Signature: Date:

ATTACHMENT 2

Andris H Ledins, PE, 2 South Farm Road, Sands Point, NY 11050
516-790-3596 Phone, 720-559-4199 Fax, aledins57@gmail.com

Data Usability Summary Report (DUSR)

NYSDEC ASP Category B

Client/Company:	Cody Ehlers Group, Trumbull, Connecticut (CEG)
Site/Project Name:	Chez Valet Cleaners
Laboratory:	Phoenix Environmental Laboratories, Inc. Manchester, Connecticut
SDGs/Lab Project #:	GBX94098
Date(s) of Collection:	March 24, 2017
Number and type Samples & analyses:	1 ambient air, 3 indoor air, and 2 subslab soil vapor samples for 66 project-specific VOCs by Method TO-15
Senior Data Reviewers:	Dr. Nancy C. Rothman, New Environmental Horizons, Inc. Susan D. Chapnick, New Environmental Horizons, Inc.
Date Completed:	May 9, 2017

This third-party Data Usability Summary Report (DUSR) is based on guidance developed by the New York State Department of Conservation (NYSDEC), June 1999, for technical review of analytical data and in compliance with DER-10 requirements (DER-10 / Technical Guidance for Site Investigation and Remediation; New York State Department of Environmental Conservation, DEC Program Policy, May 3, 2010). The objective of the DUSR is to determine whether or not the data as presented meet NYSDEC ASP 2005 or EPA method QC acceptance criteria and are usable for project decisions.

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I. Required DUSR Questions

1. ***Is the data package complete as defined under the requirements for the most current NYSDEC ASP Category B or USEPA CLP deliverables?***

   Yes.

2. ***Have all holding times been met?***

   Yes.

3. ***Do all the QC data: blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?***

   Yes. Some QC exceptions resulted in qualification of data as noted in the Data Validation Checklists (DV Checklists).

4. ***Have all of the data been generated using established and agreed upon analytical protocols?***

   Yes. Analytical data were generated using established EPA Methods (see analytical references in Section II below). Deviations from EPA and NYSDEC ASP 2005 QC protocols are discussed in the DV Checklists of this DUSR.

5. ***Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?***

   Yes. The raw data were checked to verify that detected results met retention time and mass spectral criteria, where applicable, for qualitative identification. A spot check was performed to verify quantitative accuracy for reporting of all results (see the DV Checklist).

6. ***Have the correct data qualifiers been used and are they consistent with the most current NYSDEC ASP?***

   Yes. The laboratory used the correct data qualifiers in reporting of results. Data qualifiers were changed for several results during this review, as discussed in the DV Checklist and Table 2 of this DUSR.

7. ***Have any quality control (QC) exceedances been specifically noted in the DUSR and have the corresponding QC summary sheets from the data package been attached to the DUSR?***

   Yes. QC exceedances are specified in the DV Checklists. QC summary sheets from the data package have not been attached; however, all QC exceedances that required data qualification are summarized in Table 2 of the DUSR and flagged in the validated electronic data deliverable (EDD).

II. Sample Descriptions and Analytical Parameters

The sample IDs, date of sampling, identification of MS/MSD/MD, FD, EB, TB, if applicable and the analytical parameters reviewed in this DUSR are listed in Table 1. Any deviations noted for sample collection or receipt (*e.g.*, temperature or preservation issues) are included in the DV Checklists.

Table 1. Sample Descriptions and Analytical Parameters

Sample ID	Lab ID	Collection Date	Matrix	Analytical Parameters	Sample Type
AMBIENT AIR (OUTSIDE)	BX94098	3/24/2017	Ambient Air	VOCs	Field Sample
IA-1	BX94103	3/24/2017	Indoor Air	VOCs	Field Sample
IA-1 DUP	BX94101	3/24/2017	Indoor Air	VOCs	Field Duplicate of IA-1 DUP
IA-3	BX94099	3/24/2017	Soil Vapor	VOCs	Field Sample
VP-1	BX94102	3/24/2017	Soil Vapor	VOCs	Field Sample
VP-3	BX94100	3/24/2017	Soil Vapor	VOCs	Field Sample

Analytical method references:

VOCs: 66 project-specific VOCs by EPA Method TO-15 using simultaneous full scan and selected ion monitoring (SIM) detection.

III. Data Deficiencies, Analytical Protocol Deviations, and Quality Control Problems

The following QC elements, as applicable to the analytical methods, were reviewed during this DUSR:

- Data package completeness and reporting protocols
- Sample receipt, holding times, and preservation criteria
- Calibration criteria (instrument tuning, initial and continuing calibration verifications)
- Method, field, and instrument blank results
- Laboratory Control Sample (LCS) Recoveries
- Surrogate and Internal Standard (IS) Recoveries
- Sample/Laboratory Duplicate (LD) or sample/Field Duplicate (FD) Relative Percent Differences (RPDs)
- Sample result reporting (including reporting limits and units)
- Other method-specific QC if applicable and reported
- Deficiencies or protocol deviations as noted in the Laboratory Narrative

During this review of VOCs, several results were estimated (J or UJ) due to QC issues. Table 2 summarizes the actions taken during this review. NEH generated a validated electronic data file (EDD) based on the Equis EDD received from CEG for this SDG. All results were considered acceptable compared to NYSDEC ASP 2005 and method criteria and usable for project decisions, with the understanding of the potential uncertainty (bias) in the qualified results.

As required by the DUSR, the DV Checklist attached to this DUSR report documents the QC reviewed and the issues that required action or affected the data certainty in terms of the project data quality objectives (DQO) of accuracy, precision, representativeness, comparability, and sensitivity. The DQO of completeness can be evaluated by the project manager after all data are generated.

Sensitivity was considered acceptable in that all non-detects for methylene chloride, tetrachloroethene, and trichloroethene were below the NYSDOH Air Guidelines. There were no sensitivity requirements for the other VOC compounds reported.

Table 2. Summary of Data Validation Actions

Field Sample ID	Analyte	Qualifier	Bias	Validation Comments
AMBIENT AIR (OUTSIDE)	Acetone	J	H	Possible lab contaminant
IA-1 DUP VP-3	Methylene Chloride	J	H	Possible lab contaminant
IA-1 IA-1 DUP VP-1	Ethanol Isopropyl alcohol	J	I	Result uncertain above the calibration range
IA-3 VP-3	Ethanol	J	I	Result uncertain above the calibration range
All Samples	Benzyl Chloride	UJ	I	Initial Calibration outside criteria
All Samples	Acrylonitrile	UJ	L	Low Calibration verification

Qualifiers: U = Analyte is non-detect at the "reporting_detection_limit" value; UJ = Non-detect is estimated; J = Result is estimated; R = Result is rejected and is unusable for project decisions.

Bias: L = Low; H = High; I = Indeterminate

Date Sampled: 3/24/17

No. Samples 3 IA + 1 AA +2 SV

Method of Analysis: TO-15 SIM

Data Element Acceptable	Canister Receipt	HT	GC/MS Tunes + Calibrations	Internal Stds + Surrogates	LCS	Lab Dup (LCS and LD)	Field Duplicates	RL & Quant.
Yes	√	√		√	√	NA		
No			Estimate (UJ) 12 results					Accept 3 "S" & 8 "E" values as "J" data

Other Issues : None

Data Package Completeness:

1. Were all required forms (results, summary QC, COC), as required to validate the data in accordance with the QAPP and EPA DV guidance present in the data package? Yes. A full data deliverable (NYSDEC Category B), including results, summary QC, and all raw data, was provided for review.
2. Were all result forms for all samples listed on the chain-of-custody present in data package? Yes.

Sample receipt: The 6 6-L canisters were received intact and in good condition on 3/27/17. There were no COC issues noted.

Certification: Canisters were Batch Certified pre-cleaned on 3/1/17 & 3/13/17. Canisters sent to the field for this project, along with several other canisters, were cleaned in two batches (#1019 and #1022) and then canisters 746 and 702, respectively, from the batches were analyzed for all TO-15 target compounds and were found to have no detects > RL. Batch certification acceptable - no action required

Sample Integrity: The canisters were shipped out to the field each at 30 "Hg vacuum. Field receipt vacuums were 29 - 30 ”Hg, and all samples were collected for 8 hours each. Tracer gas was not used during collection of the Soil Vapor samples (verified by e-mail communication with Cody Ehlers Group). All field final and lab receipt vacuums were within ± 5 "Hg of each other; therefore, sample integrity acceptable, no action required.

Date: ***5/7/17***

Data Reviewer: ***Nancy C. Rothman, Ph.D.***

Associated Blanks: Method Blank: BX94269 BLANK
EB = none

Blank ID	Contaminant / Level (µg/m^3)		Action Level DF=		Sample and reported result (µg/m3)	Corrected Database Result
BX94269 BLANK	None				No Blank Action Required	

Additional Notes:

Holding Time (HT): Samples were analyzed by 3/28/17; therefore HT was met. No Action required.

BFB Tunes: Instrument CHEM20 3/23/17 (ICAL) & 3/27/17. Samples were analyzed within 12-hr of tune; however several ICAL standards and closing CCVs were analyzed outside 12 hrs but within TO-15 method required tune of 24 hrs. Since lab met TO-15 tune time criteria, no action required. Method TO-15 tunes was acquired properly and met criteria ; therefore, No Action Required.

ICAL : Instrument CHEM20 Full Scan and SIM performed on 3/23/17 (split GC column system with a full scan detector at the end of one column and SIM detector on the end of the other GC Column allowing full scan and SIM analysis to be done at the same time). Full Scan = 8- or 9-level calibration from 0.1 or 0.2 to 40 ppbV for all 66 Target compounds plus surrogate and SIM = 8-level calibration from 0.035 to 5 ppbV for 37 of the Target compounds. All %RSD ≤ 30% for all 66 Target Compounds by both detection methods except Benzyl Chloride %RSD = 33.66% by SIM. Since all samples reported Benzyl Chloride by SIM, actin required. RLs are not based on the lowest concentration standard for ICALs, rather, lab reported all RLs for DF=1 analyses at 1 µg/m3 for all compounds except Tetrachloroethene, Carbon Tetrachloride, Vinyl Chloride and Trichloroethene, which were reported with RL = 0.25 µg/m3 . All compounds had these fixed RLs reported within the instrument calibration range (e.g., either by full scan or sim). Note, the MDL and PQL given on the Form 1 hardcopy data and the "method_detection_limit" "reporting_detection_limit" in the EDD are equivalent.
****ACTION: Benzyl Chloride estimated (UJ) in all samples with indeterminate bias since the Initial Calibration was outside criteria***

CCVs: 2 CCVs per day (one for SIM and another for full scan) for analysis on 3/27/17 plus closing CCV on 3/28/17. % Recovery 70-130% for all Target compounds except acrylonitrile %D = 37% and 1,2,4-trichlorobenzene %D = -30.6% in opening CCV and 1,2,4-trichlorobenzene %D = -30.6% in closing CCV. A positive %D indicates sensitivity to detection of compound decreased on day of CCV as compared to sensitivity during the ICAL and negative %D indicates and increase in sensitivity to detection. Since 1,2,4-Trichlorobenzene was non-detect in all samples, no action for increased sensitivity in opening and closing CCV.
****ACTION: Acrylonitrile estimated (UJ) in all samples with possible low bias due to low calibration verification.***

Additional Notes:

Surrogates & Internal Standards **:** Surrogate Bromofluorobenzene (BFB) and 3 IS' (Bromochloromethane, 1,4-Difluorobenzene, and Chlorobenzene-d5). Surrogate recovery and all IS areas and RTs were within criteria in all analyses; therefore, No Action Required.

LCS/LCSD : BX94269 LCS (no LCSD) - %Recovery acceptable for all 66 Targets in LCS (all reported for full scan analysis). Lab demonstrated acceptable accuracy for analysis of the Target compounds in the absence of the site matrix. No Acton required.

Lab Duplicate (LD): was identified as BX94269 DUP; however, this analysis was performed on a sample not associated with the samples sent to the lab for this project (i.e., Batch QC performed). Therefore, since the results of this LD will not affect the samples reported, no action required. Lab was method compliant with the analysis of the LD. Precision for project evaluated through FD evaluation.

Compound Reporting: the lab reported results for 66 Target VOCs, which represents their standard TO-15 list. The lab reported 37 compounds by SIM analysis and the 29 compounds by full scan analysis. As these include the 3 compounds for which NYSDOH has Air Guideline Levels, data were accepted as reported - No Action required.

Qualifier Action: There were no "J" results reported (values < RL). The lab flagged 3 detected results for methylene chloride and acetone with a "S". These "S" data were accepted as estimated (J) with a possible high bias, unless other issues affect the data, since these are possible lab contaminants and the lab is unsure of whether the detects were actually associated with the site samples. There were also 8 "E" qualifiers added to the results for ethanol and isopropyl alcohol since these compounds were detected above the instrument calibration range. The "E" data were accepted as estimated (J) results with indeterminate bias due to the uncertainty in quantitation at a level exceeding the calibration range. There were no other qualifiers (except "U") reported on the data.

Sensitivity: All reporting limits for Methylene Chloride, Trichloroethene, and Tetrachloroethene were at a level below the NYSDOH Air Guideline Values shown in the table on the last page of this checklist. All other RLs were supported by the lowest concentration standard analyzed during the ICAL.

Date: ***5/7/17***
Data Reviewer: ***Nancy C. Rothman, Ph.D.***

Additional Notes:

Calculation check: VP-3; Tetrachloroethene

200 mL analyzed so effective DF = 1; MWt = 165.85

Sample Response = 82898; IS Response = 456658@ 10; RRF ICAL = 0.526 (full scan)

$$\text{Conc.} = \frac{82898 \times 10 \times 1}{456658 \times 0.526} = 3.45 \text{ ppbV}$$

$\mu g/m^3$ = (ppbv x Mwt x DF) / 24.45 = (3.45 x 165.85 x 1)/24.45 = 23.4 $\mu g/m^3$ √

The sample chromatograms, mass spectra of detects and quantitation reports were scanned and data appeared to have been reported correctly. The laboratory did not report Tentatively Identified Compounds (TICs) as these were not requested; however, some samples of interest did appear to contained extra peaks.

Narrative: The narrative did not mention any issues that were not already addressed in this review.

Field Duplicates: IA-1 and IA-1 DUP. A comparison of the detected results for this FD pair shown below:

Field Duplicate Evaluation_ Sample IDs: Sample = IA-1 FD = IA-1 DUP

Analyte Name	DF = 1 RL (µg/m³)	Sample Result µg/m³	Q	Result Level	FD Result µg/m³	Q	FD Level	RPD	Action
Toluene	1	3.47		< 5xRL	3.45		< 5xRL	0.6%	None
Tetrachloroethene	0.25	0.98		< 5xRL	0.74		< 5xRL	27.9%	None *
Ethyl acetate	1	6.09		> 5xRL	5.44		> 5xRL	11.3%	None
m,p-Xylene	1	1.64		< 5xRL	1.49		< 5xRL	9.6%	None
Carbon Tetrachloride	0.25	0.55		< 5xRL	0.55		< 5xRL	0.0%	None
Ethanol	1	8000	J	> 5xRL	7480	J	> 5xRL	6.7%	None
Isopropylalcohol	1	540	J	> 5xRL	472	J	> 5xRL	13.4%	None
Acetone	1	92.3		> 5xRL	84.5		> 5xRL	8.8%	None
Chloroform	1	3.41		< 5xRL	3.22		< 5xRL	5.7%	None
Benzene	1	1.04		< 5xRL	1	U	RL	NA	None
Methylene Chloride	1	1	U	RL	1.37	J	< 5xRL	NA	None
Trichlorofluoromethane	1	1.29		< 5xRL	1.18		< 5xRL	8.9%	None
Dichlorodifluoromethane	1	2.12		< 5xRL	2.13		< 5xRL	0.5%	None
Methyl Ethyl Ketone	1	1.8		< 5xRL	1.69		< 5xRL	6.3%	None
1,2,4-Trimethylbenzene	1	1.07		< 5xRL	1.05		< 5xRL	1.9%	None
4-Isopropyltoluene	1	1	U	RL	1.04		< 5xRL	3.9%	None

* Action only taken for RPD > 20% if one or both results are > 5 x RL or if one result ND and other results > 5 x RL; Q = Validator Qualifier; NA = Not Applicable since RPD not calculated for non-detected data

FD precision was acceptable for all Target VOCs in the FD pair of IA-1 and IA-1 DUP - no action required

Sensitivity Requirements and Actions

Target Analyte Name		NYSDOH Air Guideline Value (µg/m^3)
Methylene Chloride		60
Trichloroethene (TCE)		2
Tetrachloroethene (PCE)		30

Canister Integrity:	If certification forms indicate issues, J/U or UJ results in samples; if Flow controller RPD > 20% for pre- and post-flow calibrations, J detect/UJ non-detects
Canister Vacuum (Vac):	Initial Field Vac < 25" Hg, J/UJ all results; Lab Receipt Vac > 15" Hg, J/UJ results; Lab Receipt Vac > ± 5" Hg of Final Field Vac, J/UJ results
Hold Time (HT):	HT > 30 days, J detects/ UJ non-detects
Blank Actions:	Action Level = 5 x Level in Blank; Sample-specific Blank Action Level = Action Level x (Sample DF/Blank DF)
	Method Blank (MB): Result < RL, U result at RL; RL<Result<Blank Action, U result at level reported
	Equipment Blank (EB): Result<Blank Action, EB result at level reported
BFB Tune:	SW-846 method 8260B or TO-15 tune criteria not met, professional judgment on R of all data; samples analyzed > 12-hours after tune; professional judgment on J/UJ or R of results
LCS and CCV:	Percent Recovery (%Rec) <10%, J detects, R non-detects; 10% < %Rec <70%; J/UJ all associated data; %Rec >130%, J detects - no action for non-detects
Initial Calibration (ICAL):	%RSD > 30%, J/UJ associated results
Internal Standard (IS):	RT > ±0.33 min of IS RT in daily CCV, J/UJ associated results;
	Area < 25% Area in CCV, J detects, R non-detects (or professional judgment); 25%< Area < 60% of CCV Area, J/UJ associated results; Area > 140% of CCV Area, J detects, no action for non-detects
Surrogates:	%Rec <10%, J detects, R non-detects; 10% < %Rec <70%; J/UJ all associated data; %Rec >130%, J detects - no action for non-detects
Laboratory Duplicates:	LCS/LCSD RPD or Sample/LD RPD > 25% for detects > 5x RL, J associated data; professional judgment for results < 5 x RL
Field Duplicates:	RPD > 20% for detects > 5x RL, J associated data; professional judgment for results < 5 x RL
RLs + Quant:	Compound reported outside calibration range (< RL or at ppbV level > sample-specific highest ICAL standard for compound), J data. Note if RL > Air Guideline values derived by NYSDOH
References:	NYSDOH*, Guidance for Evaluating Soil Vapor Intrusion in the State of New York,* October 2006 with updates through 2015*;* NYSDEC Analytical Services Protocol, June 2005 with NYSDEC Modifications to the EPA Region 9 TO-15 QA/QC Criteria, February 2008; USEPA Region II SOP HW-31, Validating Air Samples, Volatile Organic Analysis of Ambient Air in Canisters by Method TO-15, Rev. 6, June 2014; and Method TO-15, Determination of Volatile Organic Compounds (VOCs) in Air Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS), Publication EPA/625/R-96/010b, January 1999.

Date: ***5/7/17***
Data Reviewer: ***Nancy C. Rothman, Ph.D.***

ATTACHMENT 3

Andris H Ledins, PE, 2 South Farm Road, Sands Point, NY 11050
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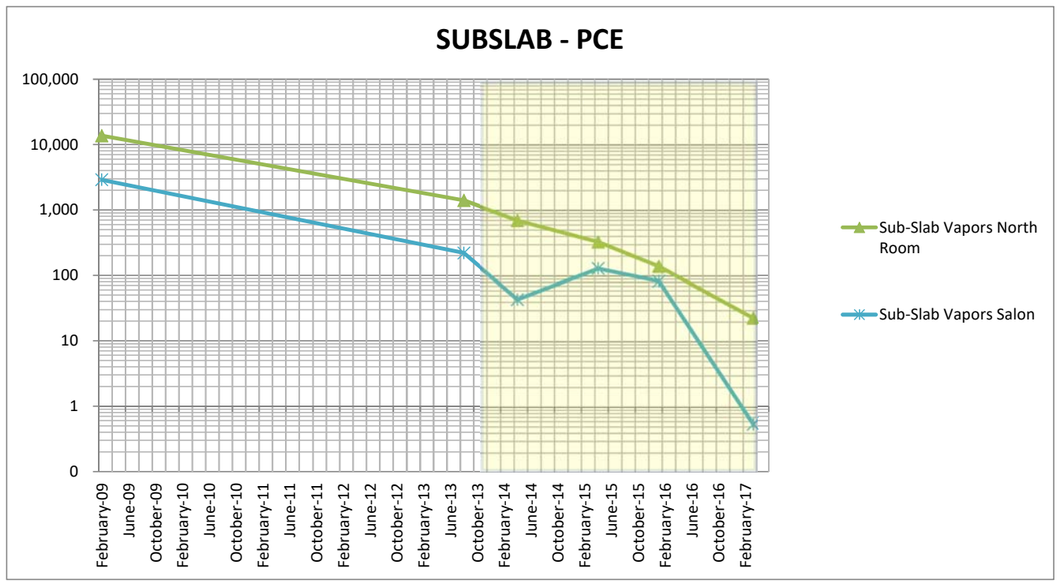
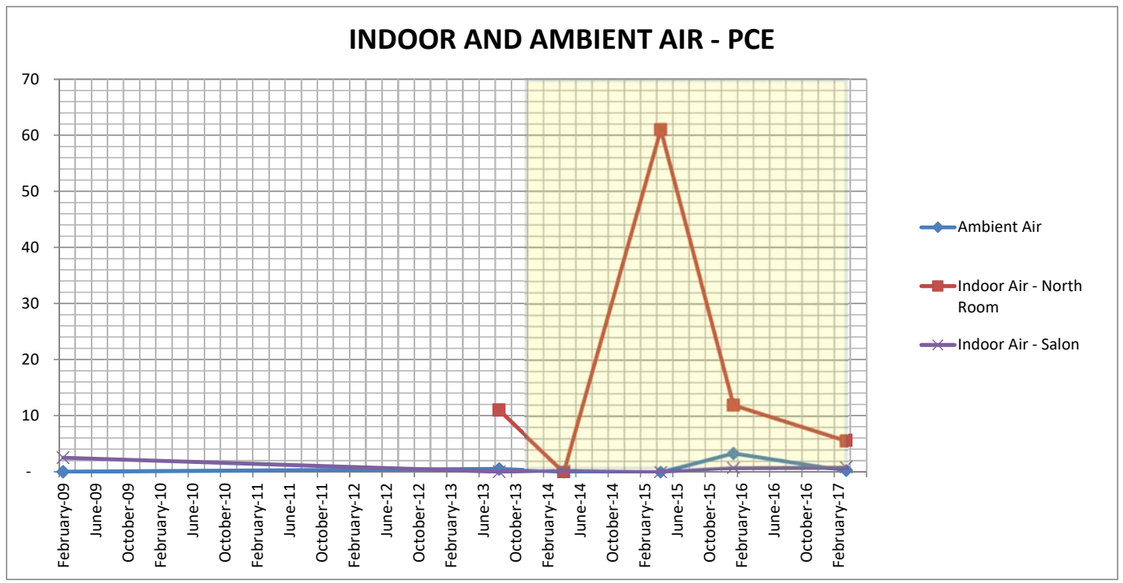
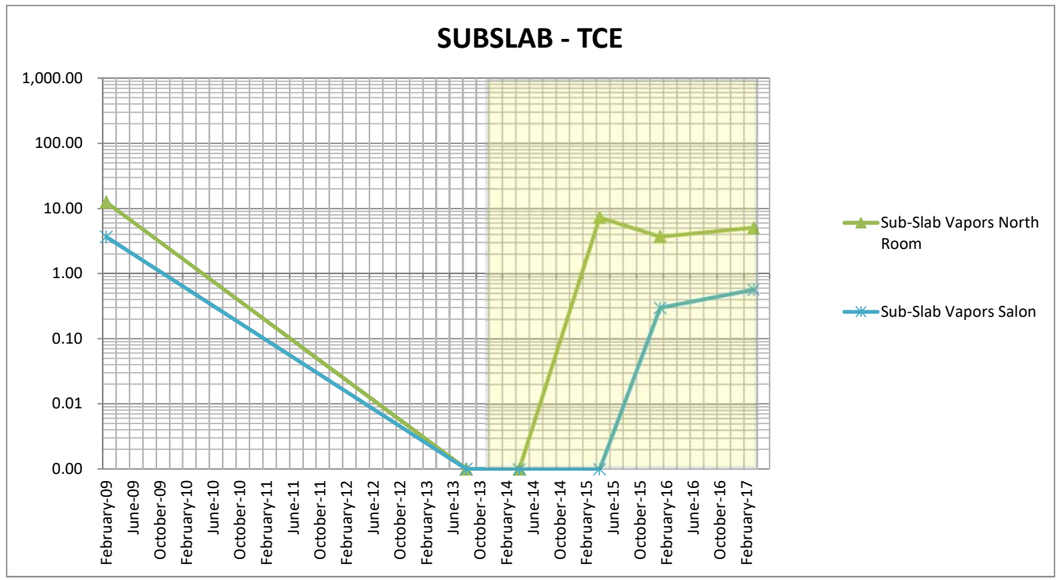
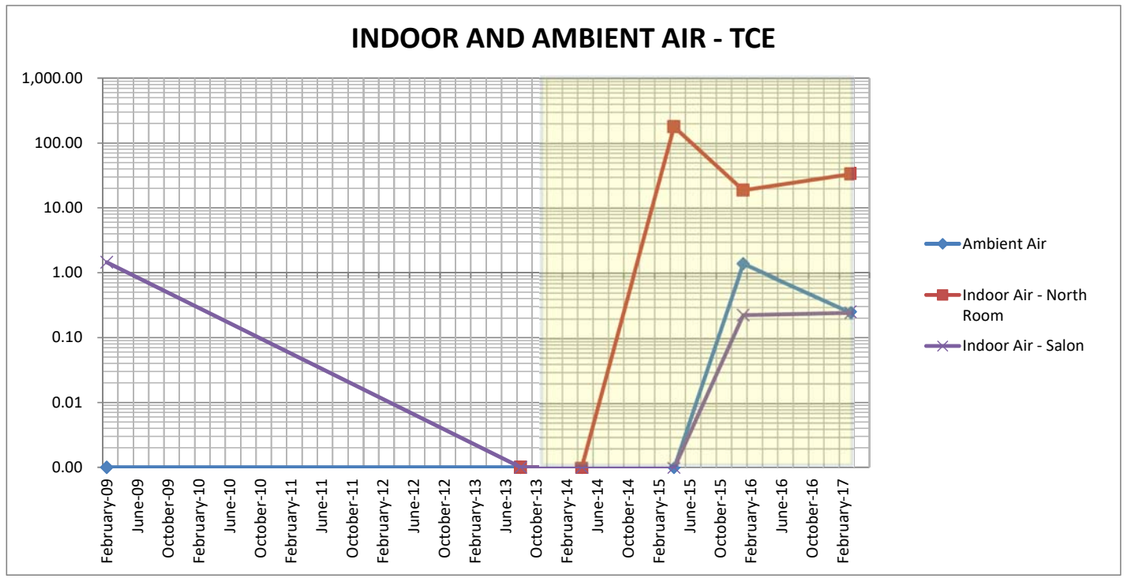
Chez Valet
Historical PCE and TCE Trends
Indoor Air and Sub-Slab
(mcg/m^3)









NOTE: THE TCE INDOOR AIR CONCENTRATIONS IN THE "NON PRESENT DAY CLEANER OPERATIONS ROOMS" IS LESS THAN 0.25 mcg/m^3

Note:
Yellow highlighted area represents timeframe after which Country Cleaners started operation in the NorthRoom.