PRECISION
ENVIRONMENTAL SERVICES, INC.
831 RT. 67, LOT 38 A
BALLSTON SPA, NY 12020
TEL: 518-885-4399
FAX: 518-885-4416
CERTIFIED WOMEN-OWNED BUSINESS ENTERPRISE

25 YEARS 1991 - 2016

February 27, 2023

Via Electronic Mail: rachel.savarie@dec.ny.gov

Rachel K. Savarie, P.E.
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7014

RE: Report of Findings
Lubricant Packaging Co. Site
17 Industrial Place, Middletown, NY
NYSDEC Site No.: 336034

Rachel Savarie:

Precision Environmental Services, Inc. (PES), has prepared this letter report to document sampling activities on and off the 17 Industrial Place property (hereafter referred to as 'the Site') (see – Figure 1, for site location detail). The work described within this report was performed on behalf of the New York State Department of Environmental Conservation (NYSDEC) and completed in accordance with Prime Contract C100614. The work scope included the collection of sub-slab vapor intrusion (SVI) samples at 79 Industrial Place.

Sub-Slab Vapor Intrusion Sampling – 79 Industrial Place

On January 25 and 26, 2023 PES performed sub-slab and indoor air sampling at 79 Industrial Place. PES sampled three sub-slab points (SS-SV-05, SS-SV-06 and SS-SV-07) all of which were previously installed by CDM Smith in 2019. PES also sampled indoor air locations IA-05, IA-06 and IA-07, along with one outdoor ambient air sample (AA-02). Locations are included on Figure 2.

Prior to commencement of sub-slab sampling a helium tracer test was performed at each location to confirm that there was no potential surface air infiltration and that all were viable for sampling. The procedure for helium tracer gas testing was conducted in accordance with the NYSDOH guidance document and PES Work Plan Standard Operating Procedures (SOP) as follows:

- Each soil vapor sampling tube was run through a hole in the bottom of a pre-prepared enclosure that was placed over the borehole.
- Helium gas was released through a sample port into the enclosure until a concentration of greater than or equal to 80% was attained. The helium enriched space was monitored and confirmed with a helium gas tracer meter.
- After confirming 80% or greater helium presence in the enclosure, the soil vapor sampling tube (Teflon® coated interior) was purged using a low-flow sample pump. The tube was

screened for helium and VOCs using a PPBRae. Tracer gas testing was performed at all locations. All helium detections were measure at 10% or less, as required by the NYSDOH guidance.

After completion of the tracer test, approximately three air volumes of gas were purged from each sub-slab point. PID readings were observed directly from the tubing and recorded. The end of the tubing was then connected directly to the intake valve of the Summa® canister regulator. All measurements and detailed from the sampling are included on Table 1. PES completed an indoor air quality questionnaire and building inventory form that is included as Attachment A.

All sub-slab, indoor air, and outdoor ambient air samples were collected using 6-Liter Summa® canisters equipped with 24-hour laboratory calibrated regulators. Summa® canisters were laboratory certified with initial vacuum ranging from -28 inches of mercury (inHg) to -30 inHg. The sub-slab samples were collected concurrently with the indoor air and ambient outdoor air samples. The sub-slab samples had final vacuum readings between -2 inHg to -22 inHg.

After the samples were collected, the sample tubing was removed, and the permanent ports were sealed. Air samples were analyzed by Phoenix for VOCs using EPA Method TO-15. A photolog is included at Attachment B showing each of the sample locations.

Sub-Slab Vapor Intrusion Sample Results

The soil vapor investigation results are presented on Tables 2A and 2B and the laboratory data package as Attachment C. The 2006 NYSDOH Vapor Intrusion Guidance presents the State of New York indoor air guidance values as well as the 2017 sub-slab vapor/indoor air matrices. Indoor air results were compared to Appendix C, Table C.2, EPA 2001: Building assessment and survey evaluation (BASE) database, Summa® canister method, 90th percentile, as well as Table 3.1, Air guidance values derived by the NYSDOH of the Final NYSDOH Soil Vapor Intrusion Guidance. Ambient air results were compared to Appendix C, Table C.2, EAP 2001: Building assessment and survey evaluation (BASE) database, Summa® canister method, 90th percentile. A comparison of the sub-slab soil vapor and indoor air results at each shared location is presented in Tables 2A and 2B, along with final action recommendations suggested by the NYSDOH matrices (Table 3).

<u>NYSDOH Matrix A Comparison</u>
All three sub-slab vapor samples recorded detectable levels for trichloroethene (TCE), SS-SV-05 at 0.74 micrograms per cubic meter (ug/m3), SS-SV-06 at 3.14 ug/m3, and SS-SV-07 at 0.36 ug/m3. Though co-located indoor air samples recorded detectable TCE concentrations, at two of the three locations, a no further action determination resulted. All three sub-slab vapor samples recorded detectable levels for carbon tetrachloride, SS-SV-05 at 0.45 ug/m3, SS-SV-06 at 0.45 ug/m3, and SS-SV-07 at 0.44 ug/m3. All three co-located indoor air samples recorded similar carbon tetrachloride concentrations with all locations less than 1 ug/m3, thus a no further action determination.

Based on the comparative results from the four co-located sample Matrix A analytes cis-1,2-Dichloroethene and 1,1-Dichloroethene do not warrant further action.

NYSDOH Matrix B Comparison

All three sub-slab vapor samples recorded detectable levels for PCE, SS-SV-05 at 0.79 ug/m3, SS-SV-06 at 0.52 ug/m3, and SS-SV-07 at 0.98 ug/m3. All three co-located indoor air samples recorded less than 1 ug/m3 PCE concentrations. When referencing the soil vapor/indoor air Matrix B, the NYSDOH guidance suggests no further action to address human health exposure. Two of the three sub-slab vapor samples recorded detectable levels for 1,1,1-TCA, SS-SV-05 at 22.3 ug/m3, and SS-SV-06 at 14.9 ug/m3. Co-located indoor air samples recorded low level 1,1,1-TCA concentrations or non-detectable levels. All locations required no further action based on the NYSDOH comparison determination. Based on the comparative results for Methylene Chloride, no further action is warranted.

NYSDOH Matrix C Comparison

No sub-slab vapor samples recorded detectable levels for Vinyl Chloride (VC). No co-located indoor air samples recorded detectable VC detections. Based on these results no further action if warranted based on the Matrix C Comparison.

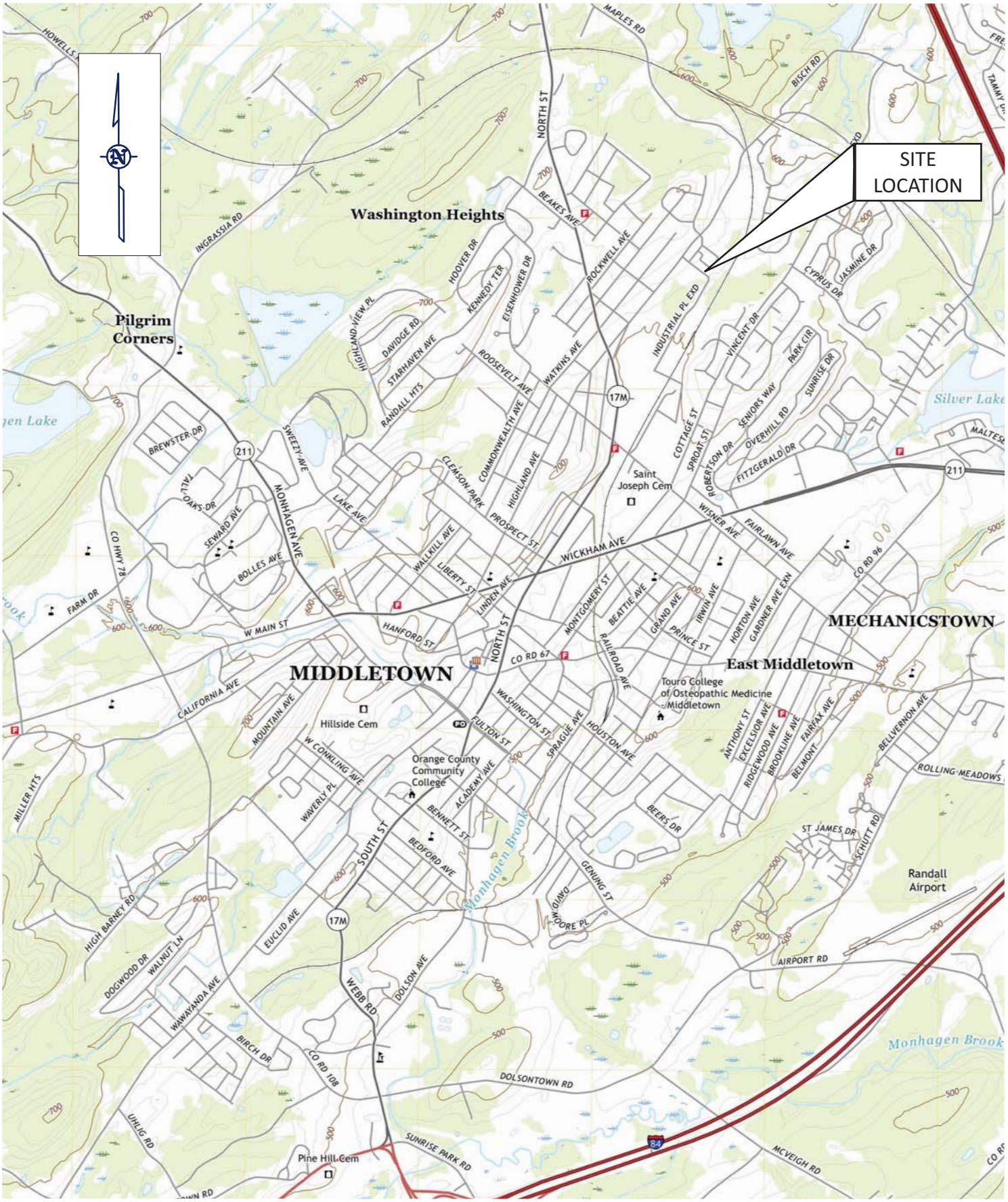
Should you have any questions regarding the above report, please feel free to contact the undersigned at 518-885-4399.

Sincerely.
PRECISION ENVIRONMENTAL SERVICES, INC.

Brian Neumann
Project Manager

Enclosures:
- Figures 1 and 2
- Tables 1, 2A, 2B and 3
- Attachment A: SVI Questionnaire
- Attachment B: Photolog
- Attachment C: Laboratory Analytical Report & DUSR

Figures



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Lubricant Packaging Co.
17 Industrial Place, Middletown, NY

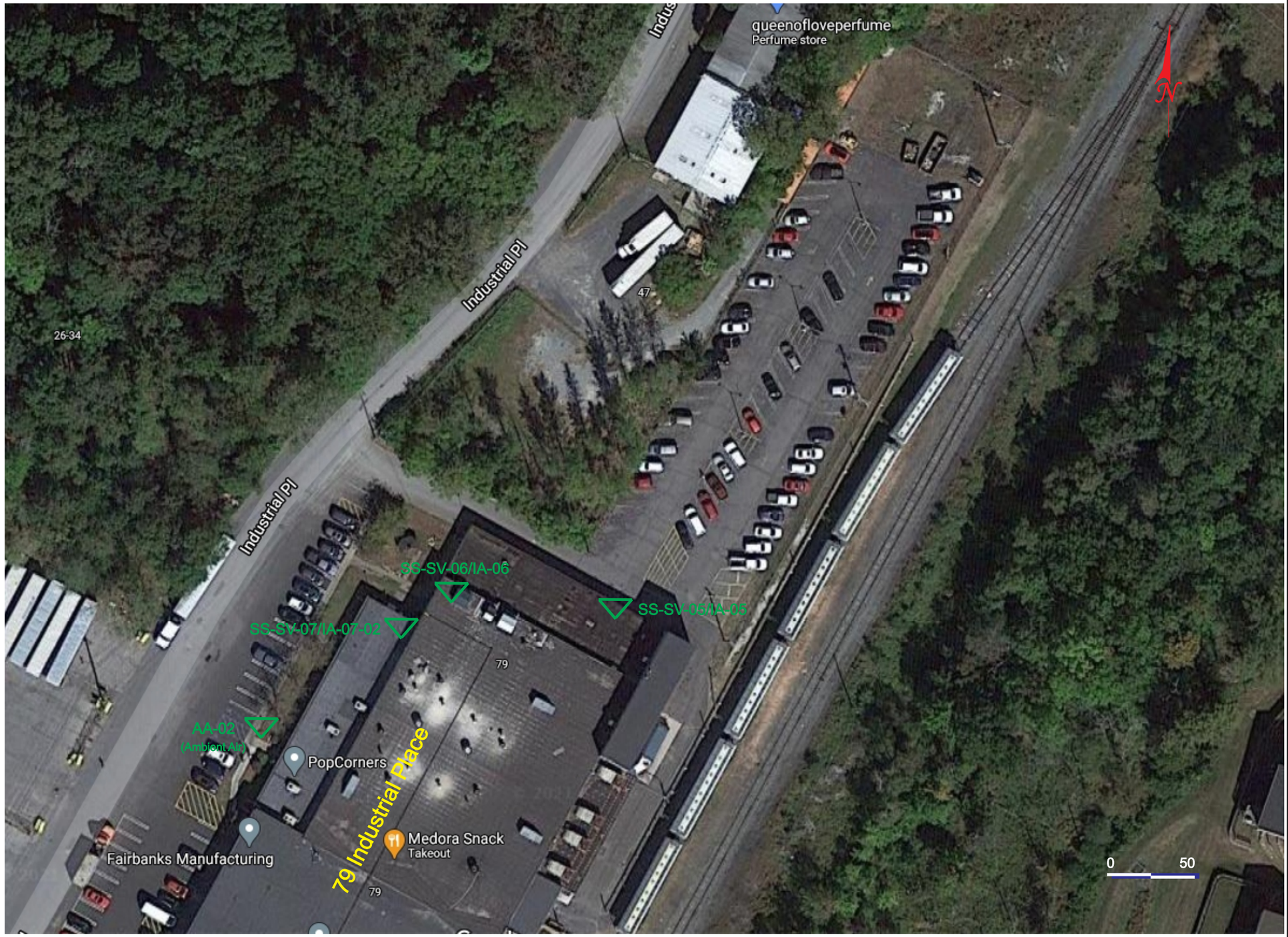
Date: Jan 2021

Map Courtesy of Google

SITE LOCATION MAP

NYSDEC Site #: 336034

Figure: 1



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CERTIFIED WOMEN-OWNED BUSINESS ENTERPRISE

SUB SLAB VAPOR INTRUSION SAMPLE LOCATIONS

LUBRICANT PACKAGING COMPANY

SITE #: 336034

LOCATION: 17 INDUST. PLACE, MIDDLETOWN, NY

DATE: 2.9.23	**REVISED BY: BN**
FIGURE: 2	**SCALE: AS SHOWN**

LEGEND

AA-02 Vapor Intrusion Sample Collection Location

NOTES:

- BASE MAP COMPOSED FROM 2011 AERIAL IMAGERY PROVIDED COURTESY GOOGLE MAPS
- ALL LOCATIONS ARE APPROXIMATE

Tables

TABLE 1

Sub-Slab and Indoor Air Sample Parameters
Lubricant Packaging Co.
NYSDEC Site No. 336034

Sample ID	Start Date	End Date	Time Started	Initial Pressure (in Hg)	Time Collected	Final Pressure (in Hg)	Canister ID	Flow Meter ID
SS-SV-05	1/25/2023	1/26/2023	1115	-30	1115	-15	28582	5618
Dup (at SS-SV-05)			--	-30	--	-15	28587	5618
IA-05			1117	-30	1117	-3	16010	10645
SS-SV-06			1038	-30	1038	-2	19887	10558
IA-06			1037	-30	1037	-5	224	10659
SS-SV-07			1011	-29	1011	-3	7641	10646
IA-07			1010	-30	1010	-2	13637	10640
AA-02			1125	-30	1125	-2	494	7040

TABLE 2A

Summary of Sub Slab and Indoor Air Quality Data
Lubricant Packaging Co.
NYSDEC Site No. 336034

Sample ID	EPA Indoor Air Statistical Value (1)	EPA Outdoor Air Statistical Value (1)	NYSDOH Air Guideline Value (2)	SV-05		Duplicate SV-05		SV-06		SV-07	
Sampling Date											
Unit											
Volatile Organic Compounds (TO-15)											
1,1,1-Trichloroethane	20.6	2.6	NL	**22.3**		**23.8**		**14.9**		1	U
1,1-Dichloroethane	<0.7	NL	NL	1	U	1	U	**1.92**		1	U
1,2,4-Trimethylbenzene	9.5	5.8	NL	**10.3**		**10.5**		**11.1**		**13.7**	
1,3,5-Trimethylbenzene	3.7	2.7	NL	**2.96**		**3.02**		**3.43**		**4.24**	
4-Methyl-2-pentanone (MIBK)	NL	NL	NL	**1.74**		**1.97**		**1.58**		**1.67**	
Acetone	98.9	43.7	NL	**38**		**40.1**		**33**		**49.9**	
Benzene	9.4	6.6	NL	**1.47**		**1.49**		**1.11**		**1.04**	
Carbon tetrachloride	<1.3	0.7	NL	**0.45**		**0.48**		**0.45**		**0.44**	
cis-1,2-Dichloroethene	<1.9	<1.8	NL	**0.34**	**J**	**0.44**	**J**	0.1	U	**0.27**	
Dichlorodifluoromethane	16.5	8.1	NL	**2.12**		**2.04**		**2.43**		**2.17**	
Ethanol	210	57	NL	**35.2**		**36.5**		**65.3**		**79.8**	**J**
Ethyl acetate	5.4	1.5	NL	1	U	1	U	**2**		1	U
Ethylbenzene	5.7	3.5	NL	**5.38**		**5.68**		**5.38**		**7.03**	
4-Ethyltoluene	NL	NL	NL	**9.09**		**9.24**		**10.3**		**12.7**	
Heptane	NL	NL	NL	**2.77**		**2.77**		**1.87**		**1.63**	
Hexane	10.2	6.4	NL	**1.05**		**1.09**		**1.08**		1	U
2-Hexanone (MBK)	NL	NL	NL	1	U	1	U	**1.29**		1	U
Isopropylalcohol	NL	NL	NL	**4.64**		**4.72**		**12.5**		**12.7**	
Isopropylbenzene	NL	NL	NL	**1.88**		**1.89**		**1.12**		**1.13**	
Methyl Ethyl Ketone	NL	NL	NL	**18.9**		**20.5**		**20.1**		**18.8**	
Xylenes, Total	30.1	17.4	NL	**32.31**		**33.67**		**29.4**		**37.9**	
Naphthalene	NL	NL	NL	**56**		4.4	U	1	U	2.1	U
t-Butyl alcohol	NL	NL	NL	**28**		**22**		**2.4**		**2.8**	
Tetrachloroethene	15.9	6.5	30	**0.79**		**0.91**		**0.52**		**0.98**	
Tetrahydrofuran	NL	NL	NL	**71.9**		**74.3**		**51.9**		**39.2**	
Toluene	43	33.7	NL	**18.8**		**19.3**		**12**		**16.7**	
trans-1,2-Dichloroethene	NL	NL	NL	1	U	1	U	1	U	**1.03**	
Trichloroethene	4.2	1.3	2	**0.74**		**0.63**		**3.14**		**0.36**	
Trichlorofluoromethane	18.1	4.3	NL	**1.09**		**1.15**		**1.15**		**1.11**	

Lab Qualifiers:

U - Analyte included in the analysis, but not detected

J - Result is less than the reporting limit, but greater than or equal to the method detection level

Notes:

Only those analytes detected at one or more sample locations are presented on this table.

(1) - Final New York State Department of Health Soil Vapor Intrusion Guidance, October 2006. Appendix C Table C2-EPA 2001: Building assessment and survey evaluation (BASE) database, SUMMA® canister method, 90th percentile for indoor and outdoor air.

(2) - Final New York State Department of Health Soil Vapor Intrusion Guidance, October 2006. Table 3.1 Air Guideline Values Derived by the NYSDOH, Revised May 2017.

ug/m3 - microgram per cubic meter

NL - Not Listed

TABLE 2B

Summary of Sub Slab and Indoor Air Quality Data
Lubricant Packaging Co.
NYSDEC Site No. 336034

											Outdoor Ambient Air	
Sample ID	**EPA Indoor Air Statistical Value**	**EPA Outdoor Air Statistical Value**	**NYSDOH Air Guideline Value**	**IA-05**		**IA-06**		**IA-07**		**AA-02**	
Sampling Date											
Unit											
Volatile Organic Compounds (TO-15)											
1,1,1-Trichloroethane	20.6	2.6	NL	1	U	**1.06**		1	U	1	U
4-Methyl-2-pentanone (MIBK)	NL	NL	NL	**1.51**	**J**	1	U	1	U	1	U
Acetone	98.9	43.7	NL	**57.7**	**J**	**19.1**		**132**	J	**6.22**	**J**
Carbon tetrachloride	<1.3	0.7	NL	**0.47**	**J**	**0.48**		**0.47**		**0.47**	**J**
Chloromethane	3.7	3.7	NL	**1.38**	**J**	**1.25**		**1.06**		**1.12**	**J**
cis-1,2-Dichloroethene	<1.9	<1.8	NL	**0.35**	**J**	1	U	0.1	U	**0.31**	**J**
Dichlorodifluoromethane	16.5	8.1	NL	**2.21**	**J**	**2.29**		**2.27**		**2.42**	**J**
Ethanol	210	57	NL	**66.1**	**J**	**205**	**J**	**3160**	**J**	**6.08**	**J**
Ethyl acetate	5.4	1.5	NL	1	U	**4.86**		1	U	1	U
Heptane	NL	NL	NL	**1.15**	**J**	**1.32**		1	U	1	U
Isopropylalcohol	NL	NL	NL	**31.9**	**J**	**77.9**		**617**	**J**	**1.7**	**J**
Methyl Ethyl Ketone	NL	NL	NL	**2.54**	**J**	**2.18**		**1.16**		**1.48**	**J**
Xylenes, Total	30.1	17.4	NL	**2.94**	**J**	**2.11**		**1.38**		**1.5**	**J**
Tetrachloroethene	15.9	6.5	30	**0.77**	**J**	**0.41**		**0.7**		**0.77**	**J**
Tetrahydrofuran	NL	NL	NL	**2.98**	**J**	**3.01**		**2.13**		**3.01**	**J**
Toluene	43	33.7	NL	**14.2**	**J**	**2.03**		**2.67**		**1.65**	**J**
Trichloroethene	4.2	1.3	2	1	U	**0.26**		**0.21**		1	U
Trichlorofluoromethane	18.1	4.3	NL	**1.23**	**J**	**1.35**		**1.17**		**1.28**	**J**

Lab Qualifiers:

U - Analyte included in the analysis, but not detected

J - Result is less than the reporting limit, but greater than or equal to the method detection level

Notes:

Only those analytes detected at one or more sample locations are presented on this table.

(1) - Final New York State Department of Health Soil Vapor Intrusion Guidance, October 2006. Appendix C Table C2-EPA 2001: Building assessment and survey evaluation (BASE) database, SUMMA® canister method, 90th percentile for indoor and outdoor air.

(2) - Final New York State Department of Health Soil Vapor Intrusion Guidance, October 2006. Table 3.1 Air Guideline Values Derived by the NYSDOH, Revised May 2017.

ug/m3 - microgram per cubic meter

NL - Not Listed

TABLE 3

Soil Vapor Intrusion Investigation Recommendations Based on NYSDOH Decision Matrix
Lubricant Packaging Co.
NYSDEC Site No. 336034

Location	Analyte	Sub Slab Air Concentration	Indoor Air Concentration	Matrix A, B and C Recommended Action
SS-SV-05/IA-05	1,1,1-Trichloroethane	22.3/23.8	<1	No Further Action
	Carbon tetrachloride	0.45/0.48	0.47**J**	No Further Action
	cis-1,2-Dichloroethene	0.34**J**/0.44**J**	0.35**J**	No Further Action
	1,1-Dichloroethene	<0.2/<0.2	<0.2	No Further Action
	Methylene chloride	<3/<3	<3	No Further Action
	Tetrachloroethene	0.79/0.91	0.77**J**	No Further Action
	Viynl chloride	<0.2/<0.2	<0.2	No Further Action
	Trichloroethene	0.74/0.63	<0.1	No Further Action
SS-SV-06/IA-06	1,1,1-Trichloroethane	14.9	1.06	No Further Action
	Carbon tetrachloride	0.45	0.48	No Further Action
	cis-1,2-Dichloroethene	<0.2	<0.2	No Further Action
	1,1-Dichloroethene	<0.2	<0.2	No Further Action
	Methylene chloride	<3	<3	No Further Action
	Tetrachloroethene	0.52	0.41	No Further Action
	Viynl chloride	<0.2	<0.2	No Further Action
	Trichloroethene	3.14	0.26	No Further Action
SS-SV-07/IA-07	1,1,1-Trichloroethane	<1	<1	No Further Action
	Carbon tetrachloride	0.44	0.47	No Further Action
	cis-1,2-Dichloroethene	0.27	<0.2	No Further Action
	1,1-Dichloroethene	<0.2	<0.2	No Further Action
	Methylene chloride	<3	<3	No Further Action
	Tetrachloroethene	0.98	0.7	No Further Action
	Viynl chloride	<0.2	<0.2	No Further Action
	Trichloroethene	0.36	0.21	No Further Action

Notes:
Samples collected from Janurary 25-26, 2023.
Action levels based on NYSDOH Matrices A, B and C, dated May 2017.
All concentrations in ug/m3.
J - Result is less than the reporting limit, but greater than or equal to the method detection level
Duplicate collected at SS-SV-05 location shown as second concentration above.

Attachment A

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Brian Neuman & Pat Sokolowski Date/Time Prepared January 25-26, 2023

Preparer's Affiliation Precision Environmental Services Phone No. 518-885-4399

Purpose of Investigation SVI Investigation

1. OCCUPANT:

Interviewed: Y / N YES

Last Name: Henry Mikayla First Name: _____

Address: 79 Industrial Place, Middletown, NY of Pepsico/Frito Lays

County: Orange

Home Phone: NA Office Phone: 845-341-0002, Ext 1370221

Number of Occupants/persons at this location Unknwn Age of Occupants Unknwn

2. OWNER OR LANDLORD: (Check if same as occupant X)

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	Commercial/Multi-use
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Pepsico/Frito Lays (facility makes chips)

Does it include residences (i.e., multi-use)? Y / N If yes, how many? _____

Other characteristics:

Number of floors 1 Building age Unkwn

Is the building insulated? Y / N How air tight? Tight / Average / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe: NA

Airflow between floors

Airflow near source

Outdoor air infiltration

Infiltration into air ducts

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

Highlights are 1st and only flr, no basement

a. Above grade construction:	wood frame	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other _____
c. Basement floor:	concrete	dirt	stone	other _____
d. Basement floor:	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	sealed	sealed with Unknwn	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with Unknwn	
h. The basement is:	wet	damp	dry	moldy
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: 0 (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

_____

_____

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Natural Gas

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other_____
Air conditioning:	Central Air	Window units	Open Windows	None

Are there air distribution ducts present? Y / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	No basement
1st Floor	office space, shop, storage, warehouse & food manufacturing
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / N

b. Does the garage have a separate heating unit? Y / N / NA

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / NA
Please specify

d. Has the building ever had a fire? Y / N When? Unknwn

e. Is a kerosene or unvented gas space heater present? Y / N Where?

f. Is there a workshop or hobby/craft area? Y / N Where & Type? East side of bldg interior

g. Is there smoking in the building? Y / N How frequently? Outside stations only

h. Have cleaning products been used recently? Y / N When & Type? Everyday incl sanitizers

i. Have cosmetic products been used recently? Y / N When & Type?

j. Has painting/staining been done in the last 6 months? Y / N Where & When? Unknwn

k. Is there new carpet, drapes or other textiles? Y / N Where & When? _____

l. Have air fresheners been used recently? Y / N When & Type? Office space

m. Is there a kitchen exhaust fan? Y / N If yes, where vented? _____

n. Is there a bathroom exhaust fan? Y / N If yes, where vented? Outside

o. Is there a clothes dryer? Y / N If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / N When & Type? _____

Are there odors in the building? Y / N
If yes, please describe: Food odor due to chip manufacturing

Do any of the building occupants use solvents at work? Y / N
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) No
Yes, use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y / N Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: Public Water Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: Public Sewer Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: NA

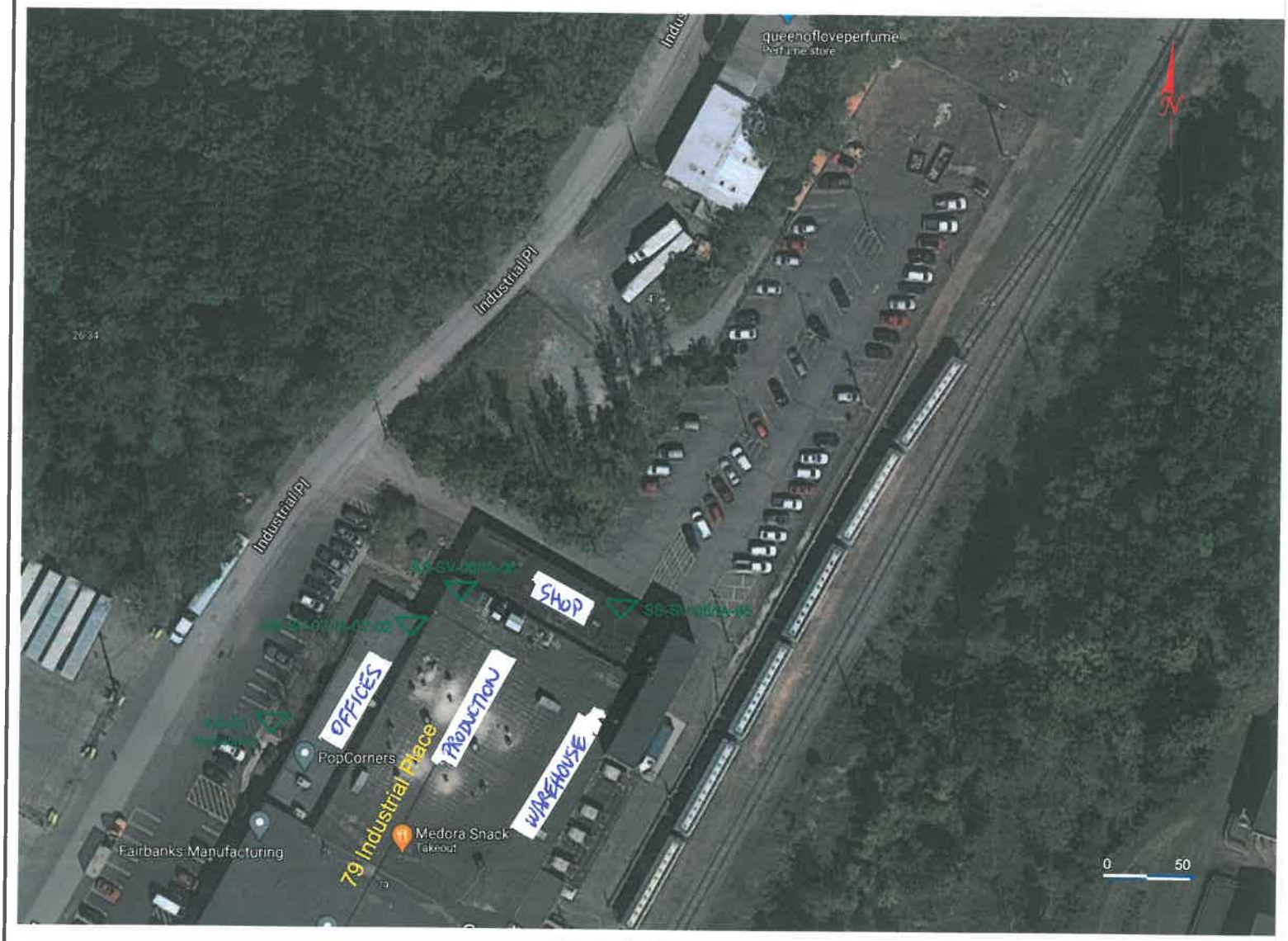
b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

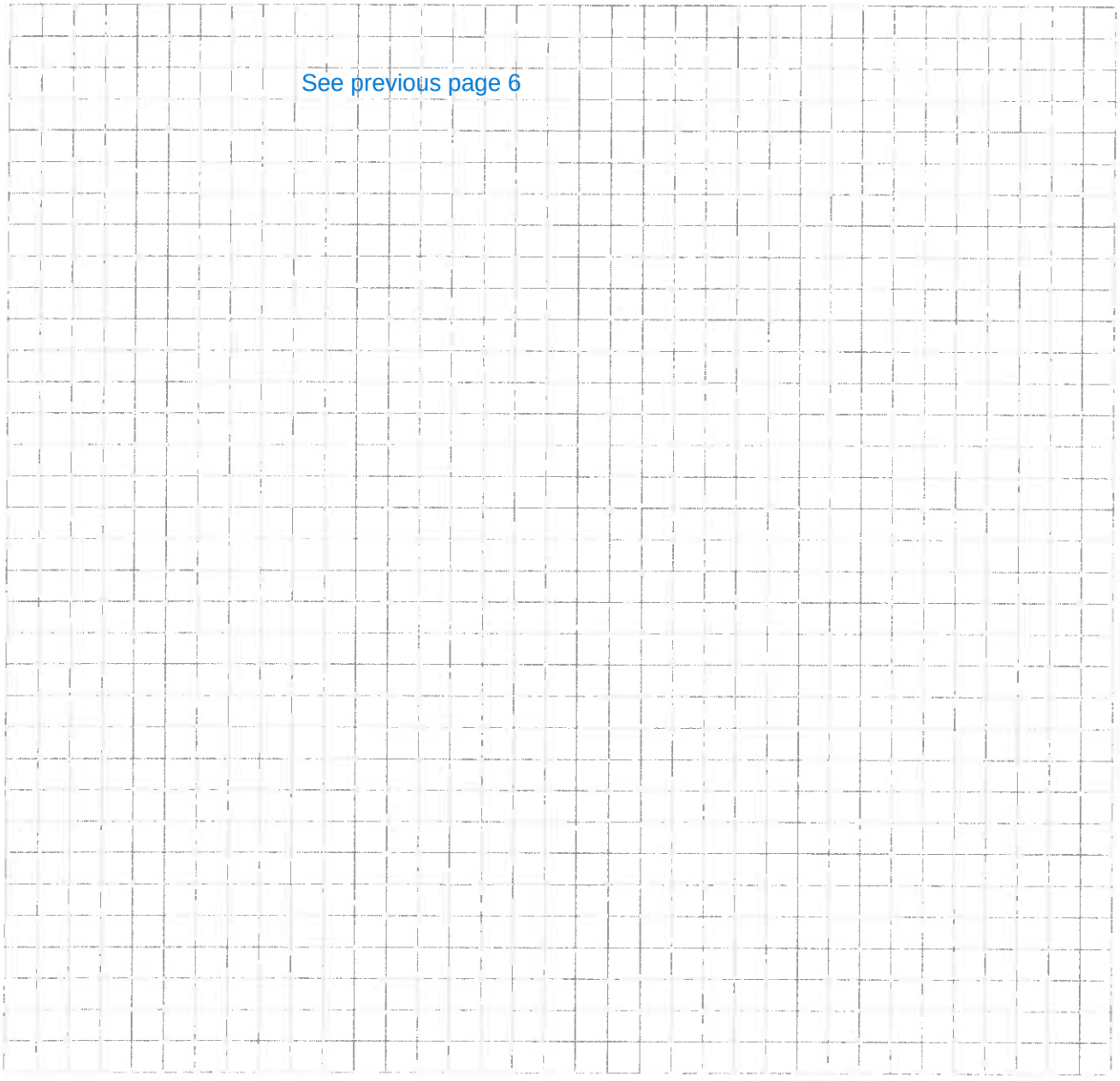
Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: Honeywell MiniRAE Lite

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y / N
Conf Rm	Purell Surface Cleaner	1	Used	Primary chemical is alcohol	0 ppb	Y

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Attachment B

Photograph 1: Shop storage rack

Photograph 2: Shop sample with duplicate collection.

Photograph 3: Conference room samples

Photograph 4: Surface sanitizer in conference room

Photograph 5: Helium test pre sample collection fire closet

Photograph 6: Fire closet sampling

Attachment C

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

February 22, 2023

Mr. Brian Neumann
Project Manager
Precision Environmental Services, Inc.
Curtis Industrial Park
831 Rt. 67, Lot 38A
Ballston Spa, New York 12020

Re: Data Usability Summary Report
Lubricant Packaging Co., Site No. 336034
January 2023 Soil Vapor/Air Sampling Event

Dear Mr. Neumann:

The data usability summary report and data validation summary are attached to this letter for the Lubricant Packaging Co, January 2023 soil vapor/air sampling event. The data for Phoenix Environmental Laboratories, Inc. SDG number: GCN30990 are acceptable with some minor issues identified in the validation summaries. There are no data that were qualified as rejected, unusable (R) in the data pack.

A list of common data validation acronyms and data validation qualifiers are attached to this letter to assist you interpreting the validation summaries. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist Precision Environmental Services, Inc.

Sincerely,
Alpha Geoscience

Donald Anné
Senior Chemist

DCA:dca
attachments

z:\projects\2021\21600-21620\21611-lubricant packaging co\temp-review\lubricant packaging-231.ltr.docx

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

Data Usability Summary Report for
Phoenix Environmental Laboratories, Inc.
SDG: GCN30990

7 Soil Vapor/Air Samples and 1 Field Duplicate
Collected January 25, 2023

Prepared by: Donald Anné
February 22, 2023

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results for 7 soil vapor/air samples and 1 field duplicate analyzed for TO15 volatiles.

The overall performances of the analyses are acceptable. Phoenix Environmental Laboratories, Inc. did fulfill the requirements of the analytical method.

The data are acceptable with some minor issues that are identified in the accompanying data validation reviews. The following data were flagged:

- The positive volatile results for ethanol in samples SS-SV-07, IA-06, and IA-07 were quantitated using data that were extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. The results for ethanol marked "E" in the samples were qualified as estimated (J).

- The positive volatile results for isopropyl alcohol and acetone in sample IA-07 were quantitated using data that were extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. The results for isopropyl alcohol and acetone marked "E" in the sample were qualified as estimated (J).

- The positive volatile results for 15 compounds were qualified as estimated (J) in sample IA-05 because the laboratory reported no residual vacuum in the sample, as required.

- The positive volatile results for 13 compounds were qualified as estimated (J) in sample AA-02 because the laboratory reported no residual vacuum in the sample, as required.

- The positive volatile results for cis-1,2-dichloroethene were qualified as estimated (J) in samples SS-SV-05 and DUP because the relative percent difference for cis-1,2-dichloroethene was above the allowable maximum in the soil field duplicate pairs SS-SV-05/DUP.

All data are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation review.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

Qualified Data Section

PHOENIX

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

February 07, 2023

FOR: Attn: Brian Neumann
Precision Env. Services, Inc.
831 Route 67 Lot 38A
Ballston Spa, NY 12020

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	PS	01/25/23	10:11
Location Code:	PRECISIN-DEC	Received by:	B	01/26/23	17:23
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	7641				

Laboratory Data

SDG ID: GCN30990
Phoenix ID: CN30990

Project ID: LUB PACKAGING CO
Client ID: SS-SV-07

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	01/29/23	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	01/29/23	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	01/29/23	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	01/29/23	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	01/29/23	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	01/29/23	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	01/29/23	KCA	1	
1,2,4-Trimethylbenzene	2.79	*0.204*	0.204	13.7	*1.00*	1.00	01/29/23	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	01/29/23	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	01/29/23	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	01/29/23	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	01/29/23	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	01/29/23	KCA	1	
1,3,5-Trimethylbenzene	0.864	*0.204*	0.204	4.24	*1.00*	1.00	01/29/23	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	01/29/23	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	01/29/23	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	01/29/23	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	01/29/23	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	01/29/23	KCA	1	1
4-Ethyltoluene	2.59	*0.204*	0.204	12.7	*1.00*	1.00	01/29/23	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	01/29/23	KCA	1	1
4-Methyl-2-pentanone(MIBK)	0.408	*0.244*	0.244	1.67	*1.00*	1.00	01/29/23	KCA	1	
Acetone	21.0	*0.421*	0.421	49.9	*1.00*	1.00	01/29/23	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	01/29/23	KCA	1	
Benzene	0.326	*0.313*	0.313	1.04	*1.00*	1.00	01/29/23	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	01/29/23	KCA	1	

Project ID: LUB PACKAGING CO
Client ID: SS-SV-07

Phoenix I.D.: CN30990

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	01/29/23	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	01/29/23	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	01/29/23	KCA	1	
Carbon Disulfide	ND	*0.321*	0.321	ND	*1.00*	1.00	01/29/23	KCA	1	
Carbon Tetrachloride	0.070	*0.032*	0.032	0.44	*0.20*	0.20	01/29/23	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	01/29/23	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	01/29/23	KCA	1	
Chloroform	ND	*0.205*	0.205	ND	*1.00*	1.00	01/29/23	KCA	1	
Chloromethane	ND	*0.485*	0.485	ND	*1.00*	1.00	01/29/23	KCA	1	
Cis-1,2-Dichloroethene	0.067	*0.051*	0.051	0.27	*0.20*	0.20	01/29/23	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	01/29/23	KCA	1	
Cyclohexane	ND	*0.291*	0.291	ND	*1.00*	1.00	01/29/23	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	01/29/23	KCA	1	
Dichlorodifluoromethane	0.439	*0.202*	0.202	2.17	*1.00*	1.00	01/29/23	KCA	1	
Ethanol	42.4 J E	*0.531*	0.531	79.8 J	*1.00*	1.00	01/29/23	KCA	1	1
Ethyl acetate	ND	*0.278*	0.278	ND	*1.00*	1.00	01/29/23	KCA	1	1
Ethylbenzene	1.62	*0.230*	0.230	7.03	*1.00*	1.00	01/29/23	KCA	1	
Heptane	0.397	*0.244*	0.244	1.63	*1.00*	1.00	01/29/23	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	01/29/23	KCA	1	
Hexane	ND	*0.284*	0.284	ND	*1.00*	1.00	01/29/23	KCA	1	
Isopropylalcohol	5.18	*0.407*	0.407	12.7	*1.00*	1.00	01/29/23	KCA	1	
Isopropylbenzene	0.229	*0.204*	0.204	1.13	*1.00*	1.00	01/29/23	KCA	1	
m,p-Xylene	5.84	*0.230*	0.230	25.3	*1.00*	1.00	01/29/23	KCA	1	
Methyl Ethyl Ketone	6.37	*0.339*	0.339	18.8	*1.00*	1.00	01/29/23	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	01/29/23	KCA	1	
Methylene Chloride	ND	*0.863*	0.863	ND	*3.00*	3.00	01/29/23	KCA	1	
n-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	01/29/23	KCA	1	1
o-Xylene	2.90	*0.230*	0.230	12.6	*1.00*	1.00	01/29/23	KCA	1	
Propylene	ND	*0.581*	0.581	ND	*1.00*	1.00	01/29/23	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	01/29/23	KCA	1	1
Styrene	ND	*0.235*	0.235	ND	*1.00*	1.00	01/29/23	KCA	1	
Tetrachloroethene	0.144	*0.037*	0.037	0.98	*0.25*	0.25	01/29/23	KCA	1	
Tetrahydrofuran	13.3	*0.339*	0.339	39.2	*1.00*	1.00	01/29/23	KCA	1	1
Toluene	4.44	*0.266*	0.266	16.7	*1.00*	1.00	01/29/23	KCA	1	
Trans-1,2-Dichloroethene	0.259	*0.252*	0.252	1.03	*1.00*	1.00	01/29/23	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	01/29/23	KCA	1	
Trichloroethene	0.067	*0.037*	0.037	0.36	*0.20*	0.20	01/29/23	KCA	1	
Trichlorofluoromethane	0.197	*0.178*	0.178	1.11	*1.00*	1.00	01/29/23	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	01/29/23	KCA	1	
Vinyl Chloride	ND	*0.078*	0.078	ND	*0.20*	0.20	01/29/23	KCA	1	
QA/QC Surrogates/Internals										
% Bromofluorobenzene	109	*%*	%	109	*%*	%	01/29/23	KCA	1	
% IS-1,4-Difluorobenzene	92	*%*	%	92	*%*	%	01/29/23	KCA	1	
% IS-Bromochloromethane	96	*%*	%	96	*%*	%	01/29/23	KCA	1	
% IS-Chlorobenzene-d5	100	*%*	%	100	*%*	%	01/29/23	KCA	1	

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 the primary accrediting authority (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 L=Biased Low 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 you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
February 07, 2023
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

February 07, 2023

FOR: Attn: Brian Neumann
Precision Env. Services, Inc.
831 Route 67 Lot 38A
Ballston Spa, NY 12020

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	PS	01/25/23	10:37
Location Code:	PRECISIN-DEC	Received by:	B	01/26/23	17:23
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	224				

Laboratory Data

SDG ID: GCN30990
Phoenix ID: CN30991

Project ID: LUB PACKAGING CO
Client ID: IA-06

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	01/27/23	KCA	1	1
1,1,1-Trichloroethane	0.195	*0.183*	0.183	1.06	*1.00*	1.00	01/27/23	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	01/27/23	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	01/27/23	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	01/27/23	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	01/27/23	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	01/27/23	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	01/27/23	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	01/27/23	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	01/27/23	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	01/27/23	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	01/27/23	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	01/27/23	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	01/27/23	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	01/27/23	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	01/27/23	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	01/27/23	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	01/27/23	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	01/27/23	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	01/27/23	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	01/27/23	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	01/27/23	KCA	1	
Acetone	8.05	*0.421*	0.421	19.1	*1.00*	1.00	01/27/23	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	01/27/23	KCA	1	
Benzene	ND	*0.313*	0.313	ND	*1.00*	1.00	01/27/23	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	01/27/23	KCA	1	

Project ID: LUB PACKAGING CO
Client ID: IA-06

Phoenix I.D.: CN30991

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	01/27/23	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	01/27/23	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	01/27/23	KCA	1	
Carbon Disulfide	ND	*0.321*	0.321	ND	*1.00*	1.00	01/27/23	KCA	1	
Carbon Tetrachloride	0.077	*0.032*	0.032	0.48	*0.20*	0.20	01/27/23	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	01/27/23	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	01/27/23	KCA	1	
Chloroform	ND	*0.205*	0.205	ND	*1.00*	1.00	01/27/23	KCA	1	
Chloromethane	0.605	*0.485*	0.485	1.25	*1.00*	1.00	01/27/23	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	01/27/23	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	01/27/23	KCA	1	
Cyclohexane	ND	*0.291*	0.291	ND	*1.00*	1.00	01/27/23	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	01/27/23	KCA	1	
Dichlorodifluoromethane	0.464	*0.202*	0.202	2.29	*1.00*	1.00	01/27/23	KCA	1	
Ethanol	109 J E	*0.531*	0.531	205 J	*1.00*	1.00	01/27/23	KCA	1	1
Ethyl acetate	1.35	*0.278*	0.278	4.86	*1.00*	1.00	01/27/23	KCA	1	1
Ethylbenzene	ND	*0.230*	0.230	ND	*1.00*	1.00	01/27/23	KCA	1	
Heptane	0.322	*0.244*	0.244	1.32	*1.00*	1.00	01/27/23	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	01/27/23	KCA	1	
Hexane	ND	*0.284*	0.284	ND	*1.00*	1.00	01/27/23	KCA	1	
Isopropylalcohol	31.7	*0.407*	0.407	77.9	*1.00*	1.00	01/27/23	KCA	1	
Isopropylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	01/27/23	KCA	1	
m,p-Xylene	0.487	*0.230*	0.230	2.11	*1.00*	1.00	01/27/23	KCA	1	
Methyl Ethyl Ketone	0.739	*0.339*	0.339	2.18	*1.00*	1.00	01/27/23	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	01/27/23	KCA	1	
Methylene Chloride	ND	*0.863*	0.863	ND	*3.00*	3.00	01/27/23	KCA	1	
n-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	01/27/23	KCA	1	1
o-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	01/27/23	KCA	1	
Propylene	ND	*0.581*	0.581	ND	*1.00*	1.00	01/27/23	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	01/27/23	KCA	1	1
Styrene	ND	*0.235*	0.235	ND	*1.00*	1.00	01/27/23	KCA	1	
Tetrachloroethene	0.061	*0.037*	0.037	0.41	*0.25*	0.25	01/27/23	KCA	1	
Tetrahydrofuran	1.02	*0.339*	0.339	3.01	*1.00*	1.00	01/27/23	KCA	1	1
Toluene	0.538	*0.266*	0.266	2.03	*1.00*	1.00	01/27/23	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	01/27/23	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	01/27/23	KCA	1	
Trichloroethene	0.048	*0.037*	0.037	0.26	*0.20*	0.20	01/27/23	KCA	1	
Trichlorofluoromethane	0.240	*0.178*	0.178	1.35	*1.00*	1.00	01/27/23	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	01/27/23	KCA	1	
Vinyl Chloride	ND	*0.078*	0.078	ND	*0.20*	0.20	01/27/23	KCA	1	
QA/QC Surrogates/Internals										
% Bromofluorobenzene	107	*%*	%	107	*%*	%	01/27/23	KCA	1	
% IS-1,4-Difluorobenzene	103	*%*	%	103	*%*	%	01/27/23	KCA	1	
% IS-Bromochloromethane	106	*%*	%	106	*%*	%	01/27/23	KCA	1	
% IS-Chlorobenzene-d5	107	*%*	%	107	*%*	%	01/27/23	KCA	1	

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 the primary accrediting authority (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 L=Biased Low 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 you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
February 07, 2023
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX
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

February 07, 2023

FOR: Attn: Brian Neumann
Precision Env. Services, Inc.
831 Route 67 Lot 38A
Ballston Spa, NY 12020

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	PS	01/25/23	10:10
Location Code:	PRECISIN-DEC	Received by:	B	01/26/23	17:23
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	13637				

Laboratory Data

SDG ID: GCN30990
Phoenix ID: CN30992

Project ID: LUB PACKAGING CO
Client ID: IA-07

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	01/27/23	KCA	1	1
1,1,1-Trichloroethane	ND		*0.183*	0.183	ND		*1.00*	1.00	01/27/23	KCA	1	
1,1,2,2-Tetrachloroethane	ND		*0.146*	0.146	ND		*1.00*	1.00	01/27/23	KCA	1	
1,1,2-Trichloroethane	ND		*0.183*	0.183	ND		*1.00*	1.00	01/27/23	KCA	1	
1,1-Dichloroethane	ND		*0.247*	0.247	ND		*1.00*	1.00	01/27/23	KCA	1	
1,1-Dichloroethene	ND		*0.051*	0.051	ND		*0.20*	0.20	01/27/23	KCA	1	
1,2,4-Trichlorobenzene	ND		*0.135*	0.135	ND		*1.00*	1.00	01/27/23	KCA	1	
1,2,4-Trimethylbenzene	ND		*0.204*	0.204	ND		*1.00*	1.00	01/27/23	KCA	1	
1,2-Dibromoethane(EDB)	ND		*0.130*	0.130	ND		*1.00*	1.00	01/27/23	KCA	1	
1,2-Dichlorobenzene	ND		*0.166*	0.166	ND		*1.00*	1.00	01/27/23	KCA	1	
1,2-Dichloroethane	ND		*0.247*	0.247	ND		*1.00*	1.00	01/27/23	KCA	1	
1,2-dichloropropane	ND		*0.217*	0.217	ND		*1.00*	1.00	01/27/23	KCA	1	
1,2-Dichlorotetrafluoroethane	ND		*0.143*	0.143	ND		*1.00*	1.00	01/27/23	KCA	1	
1,3,5-Trimethylbenzene	ND		*0.204*	0.204	ND		*1.00*	1.00	01/27/23	KCA	1	
1,3-Butadiene	ND		*0.452*	0.452	ND		*1.00*	1.00	01/27/23	KCA	1	
1,3-Dichlorobenzene	ND		*0.166*	0.166	ND		*1.00*	1.00	01/27/23	KCA	1	
1,4-Dichlorobenzene	ND		*0.166*	0.166	ND		*1.00*	1.00	01/27/23	KCA	1	
1,4-Dioxane	ND		*0.278*	0.278	ND		*1.00*	1.00	01/27/23	KCA	1	
2-Hexanone(MBK)	ND		*0.244*	0.244	ND		*1.00*	1.00	01/27/23	KCA	1	1
4-Ethyltoluene	ND		*0.204*	0.204	ND		*1.00*	1.00	01/27/23	KCA	1	1
4-Isopropyltoluene	ND		*0.182*	0.182	ND		*1.00*	1.00	01/27/23	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND		*0.244*	0.244	ND		*1.00*	1.00	01/27/23	KCA	1	
Acetone	55.5	J E	*0.421*	0.421	132	J	*1.00*	1.00	01/27/23	KCA	1	
Acrylonitrile	ND		*0.461*	0.461	ND		*1.00*	1.00	01/27/23	KCA	1	
Benzene	ND		*0.313*	0.313	ND		*1.00*	1.00	01/27/23	KCA	1	
Benzyl chloride	ND		*0.193*	0.193	ND		*1.00*	1.00	01/27/23	KCA	1	

Project ID: LUB PACKAGING CO
Client ID: IA-07

Phoenix I.D.: CN30992

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	01/27/23	KCA	1	
Bromoform	ND		*0.097*	0.097	ND		*1.00*	1.00	01/27/23	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND		*1.00*	1.00	01/27/23	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND		*1.00*	1.00	01/27/23	KCA	1	
Carbon Tetrachloride	0.074		*0.032*	0.032	0.47		*0.20*	0.20	01/27/23	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND		*1.00*	1.00	01/27/23	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND		*1.00*	1.00	01/27/23	KCA	1	
Chloroform	ND		*0.205*	0.205	ND		*1.00*	1.00	01/27/23	KCA	1	
Chloromethane	0.514		*0.485*	0.485	1.06		*1.00*	1.00	01/27/23	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.051*	0.051	ND		*0.20*	0.20	01/27/23	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND		*1.00*	1.00	01/27/23	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND		*1.00*	1.00	01/27/23	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND		*1.00*	1.00	01/27/23	KCA	1	
Dichlorodifluoromethane	0.460		*0.202*	0.202	2.27		*1.00*	1.00	01/27/23	KCA	1	
Ethanol	1680	J E	*0.531*	0.531	3160	J	*1.00*	1.00	01/27/23	KCA	1	1
Ethyl acetate	ND		*0.278*	0.278	ND		*1.00*	1.00	01/27/23	KCA	1	1
Ethylbenzene	ND		*0.230*	0.230	ND		*1.00*	1.00	01/27/23	KCA	1	
Heptane	ND		*0.244*	0.244	ND		*1.00*	1.00	01/27/23	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND		*1.00*	1.00	01/27/23	KCA	1	
Hexane	ND		*0.284*	0.284	ND		*1.00*	1.00	01/27/23	KCA	1	
Isopropylalcohol	251	J E	*0.407*	0.407	617	J	*1.00*	1.00	01/27/23	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND		*1.00*	1.00	01/27/23	KCA	1	
m,p-Xylene	0.317		*0.230*	0.230	1.38		*1.00*	1.00	01/27/23	KCA	1	
Methyl Ethyl Ketone	0.394		*0.339*	0.339	1.16		*1.00*	1.00	01/27/23	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND		*1.00*	1.00	01/27/23	KCA	1	
Methylene Chloride	ND		*0.863*	0.863	ND		*3.00*	3.00	01/27/23	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND		*1.00*	1.00	01/27/23	KCA	1	1
o-Xylene	ND		*0.230*	0.230	ND		*1.00*	1.00	01/27/23	KCA	1	
Propylene	ND		*0.581*	0.581	ND		*1.00*	1.00	01/27/23	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND		*1.00*	1.00	01/27/23	KCA	1	1
Styrene	ND		*0.235*	0.235	ND		*1.00*	1.00	01/27/23	KCA	1	
Tetrachloroethene	0.103		*0.037*	0.037	0.70		*0.25*	0.25	01/27/23	KCA	1	
Tetrahydrofuran	0.723		*0.339*	0.339	2.13		*1.00*	1.00	01/27/23	KCA	1	1
Toluene	0.710		*0.266*	0.266	2.67		*1.00*	1.00	01/27/23	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND		*1.00*	1.00	01/27/23	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND		*1.00*	1.00	01/27/23	KCA	1	
Trichloroethene	0.040		*0.037*	0.037	0.21		*0.20*	0.20	01/27/23	KCA	1	
Trichlorofluoromethane	0.209		*0.178*	0.178	1.17		*1.00*	1.00	01/27/23	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND		*1.00*	1.00	01/27/23	KCA	1	
Vinyl Chloride	ND		*0.078*	0.078	ND		*0.20*	0.20	01/27/23	KCA	1	
QA/QC Surrogates/Internals												
% Bromofluorobenzene	112		*%*	%	112		*%*	%	01/27/23	KCA	1	
% IS-1,4-Difluorobenzene	101		*%*	%	101		*%*	%	01/27/23	KCA	1	
% IS-Bromochloromethane	105		*%*	%	105		*%*	%	01/27/23	KCA	1	
% IS-Chlorobenzene-d5	102		*%*	%	102		*%*	%	01/27/23	KCA	1	

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 the primary accrediting authority (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 L=Biased Low 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 you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
February 07, 2023
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX
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

February 07, 2023

FOR: Attn: Brian Neumann
Precision Env. Services, Inc.
831 Route 67 Lot 38A
Ballston Spa, NY 12020

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	PS	01/25/23	11:17
Location Code:	PRECISIN-DEC	Received by:	B	01/26/23	17:23
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	16010				

Laboratory Data

SDG ID: GCN30990
Phoenix ID: CN30993

Project ID: LUB PACKAGING CO
Client ID: IA-05

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	01/27/23	KCA	1	1
1,1,1-Trichloroethane	ND		*0.183*	0.183	ND		*1.00*	1.00	01/27/23	KCA	1	
1,1,2,2-Tetrachloroethane	ND		*0.146*	0.146	ND		*1.00*	1.00	01/27/23	KCA	1	
1,1,2-Trichloroethane	ND		*0.183*	0.183	ND		*1.00*	1.00	01/27/23	KCA	1	
1,1-Dichloroethane	ND		*0.247*	0.247	ND		*1.00*	1.00	01/27/23	KCA	1	
1,1-Dichloroethene	ND		*0.051*	0.051	ND		*0.20*	0.20	01/27/23	KCA	1	
1,2,4-Trichlorobenzene	ND		*0.135*	0.135	ND		*1.00*	1.00	01/27/23	KCA	1	
1,2,4-Trimethylbenzene	ND		*0.204*	0.204	ND		*1.00*	1.00	01/27/23	KCA	1	
1,2-Dibromoethane(EDB)	ND		*0.130*	0.130	ND		*1.00*	1.00	01/27/23	KCA	1	
1,2-Dichlorobenzene	ND		*0.166*	0.166	ND		*1.00*	1.00	01/27/23	KCA	1	
1,2-Dichloroethane	ND		*0.247*	0.247	ND		*1.00*	1.00	01/27/23	KCA	1	
1,2-dichloropropane	ND		*0.217*	0.217	ND		*1.00*	1.00	01/27/23	KCA	1	
1,2-Dichlorotetrafluoroethane	ND		*0.143*	0.143	ND		*1.00*	1.00	01/27/23	KCA	1	
1,3,5-Trimethylbenzene	ND		*0.204*	0.204	ND		*1.00*	1.00	01/27/23	KCA	1	
1,3-Butadiene	ND		*0.452*	0.452	ND		*1.00*	1.00	01/27/23	KCA	1	
1,3-Dichlorobenzene	ND		*0.166*	0.166	ND		*1.00*	1.00	01/27/23	KCA	1	
1,4-Dichlorobenzene	ND		*0.166*	0.166	ND		*1.00*	1.00	01/27/23	KCA	1	
1,4-Dioxane	ND		*0.278*	0.278	ND		*1.00*	1.00	01/27/23	KCA	1	
2-Hexanone(MBK)	ND		*0.244*	0.244	ND		*1.00*	1.00	01/27/23	KCA	1	1
4-Ethyltoluene	ND		*0.204*	0.204	ND		*1.00*	1.00	01/27/23	KCA	1	1
4-Isopropyltoluene	ND		*0.182*	0.182	ND		*1.00*	1.00	01/27/23	KCA	1	1
4-Methyl-2-pentanone(MIBK)	0.370	J	*0.244*	0.244	1.51	J	*1.00*	1.00	01/27/23	KCA	1	
Acetone	24.3	J	*0.421*	0.421	57.7	J	*1.00*	1.00	01/27/23	KCA	1	
Acrylonitrile	ND		*0.461*	0.461	ND		*1.00*	1.00	01/27/23	KCA	1	
Benzene	ND		*0.313*	0.313	ND		*1.00*	1.00	01/27/23	KCA	1	
Benzyl chloride	ND		*0.193*	0.193	ND		*1.00*	1.00	01/27/23	KCA	1	

Project ID: LUB PACKAGING CO
Client ID: IA-05

Phoenix I.D.: CN30993

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	01/27/23	KCA	1	
Bromoform	ND		*0.097*	0.097	ND		*1.00*	1.00	01/27/23	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND		*1.00*	1.00	01/27/23	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND		*1.00*	1.00	01/27/23	KCA	1	
Carbon Tetrachloride	0.075	J	*0.032*	0.032	0.47	J	*0.20*	0.20	01/27/23	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND		*1.00*	1.00	01/27/23	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND		*1.00*	1.00	01/27/23	KCA	1	
Chloroform	ND		*0.205*	0.205	ND		*1.00*	1.00	01/27/23	KCA	1	
Chloromethane	0.668	J	*0.485*	0.485	1.38	J	*1.00*	1.00	01/27/23	KCA	1	
Cis-1,2-Dichloroethene	0.089	J	*0.051*	0.051	0.35	J	*0.20*	0.20	01/27/23	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND		*1.00*	1.00	01/27/23	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND		*1.00*	1.00	01/27/23	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND		*1.00*	1.00	01/27/23	KCA	1	
Dichlorodifluoromethane	0.447	J	*0.202*	0.202	2.21	J	*1.00*	1.00	01/27/23	KCA	1	
Ethanol	35.1	J	*0.531*	0.531	66.1	J	*1.00*	1.00	01/27/23	KCA	1	1
Ethyl acetate	ND		*0.278*	0.278	ND		*1.00*	1.00	01/27/23	KCA	1	1
Ethylbenzene	ND		*0.230*	0.230	ND		*1.00*	1.00	01/27/23	KCA	1	
Heptane	0.281	J	*0.244*	0.244	1.15	J	*1.00*	1.00	01/27/23	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND		*1.00*	1.00	01/27/23	KCA	1	
Hexane	ND		*0.284*	0.284	ND		*1.00*	1.00	01/27/23	KCA	1	
Isopropylalcohol	13.0	J	*0.407*	0.407	31.9	J	*1.00*	1.00	01/27/23	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND		*1.00*	1.00	01/27/23	KCA	1	
m,p-Xylene	0.678	J	*0.230*	0.230	2.94	J	*1.00*	1.00	01/27/23	KCA	1	
Methyl Ethyl Ketone	0.861	J	*0.339*	0.339	2.54	J	*1.00*	1.00	01/27/23	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND		*1.00*	1.00	01/27/23	KCA	1	
Methylene Chloride	ND		*0.863*	0.863	ND		*3.00*	3.00	01/27/23	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND		*1.00*	1.00	01/27/23	KCA	1	1
o-Xylene	ND		*0.230*	0.230	ND		*1.00*	1.00	01/27/23	KCA	1	
Propylene	ND		*0.581*	0.581	ND		*1.00*	1.00	01/27/23	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND		*1.00*	1.00	01/27/23	KCA	1	1
Styrene	ND		*0.235*	0.235	ND		*1.00*	1.00	01/27/23	KCA	1	
Tetrachloroethene	0.113	J	*0.037*	0.037	0.77	J	*0.25*	0.25	01/27/23	KCA	1	
Tetrahydrofuran	1.01	J	*0.339*	0.339	2.98	J	*1.00*	1.00	01/27/23	KCA	1	1
Toluene	3.76	J	*0.266*	0.266	14.2	J	*1.00*	1.00	01/27/23	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND		*1.00*	1.00	01/27/23	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND		*1.00*	1.00	01/27/23	KCA	1	
Trichloroethene	ND		*0.037*	0.037	ND		*0.20*	0.20	01/27/23	KCA	1	
Trichlorofluoromethane	0.219	J	*0.178*	0.178	1.23	J	*1.00*	1.00	01/27/23	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND		*1.00*	1.00	01/27/23	KCA	1	
Vinyl Chloride	ND		*0.078*	0.078	ND		*0.20*	0.20	01/27/23	KCA	1	
QA/QC Surrogates/Internals												
% Bromofluorobenzene	109		*%*	%	109		*%*	%	01/27/23	KCA	1	
% IS-1,4-Difluorobenzene	101		*%*	%	101		*%*	%	01/27/23	KCA	1	
% IS-Bromochloromethane	103		*%*	%	103		*%*	%	01/27/23	KCA	1	
% IS-Chlorobenzene-d5	103		*%*	%	103		*%*	%	01/27/23	KCA	1	

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 the primary accrediting authority (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 L=Biased Low 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:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
February 07, 2023
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX
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

February 07, 2023

FOR: Attn: Brian Neumann
Precision Env. Services, Inc.
831 Route 67 Lot 38A
Ballston Spa, NY 12020

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	PS	01/25/23	11:25
Location Code:	PRECISIN-DEC	Received by:	B	01/26/23	17:23
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	494				

Laboratory Data

SDG ID: GCN30990
Phoenix ID: CN30994

Project ID: LUB PACKAGING CO
Client ID: AA-02

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	01/27/23	KCA	1	1
1,1,1-Trichloroethane	ND		*0.183*	0.183	ND		*1.00*	1.00	01/27/23	KCA	1	
1,1,2,2-Tetrachloroethane	ND		*0.146*	0.146	ND		*1.00*	1.00	01/27/23	KCA	1	
1,1,2-Trichloroethane	ND		*0.183*	0.183	ND		*1.00*	1.00	01/27/23	KCA	1	
1,1-Dichloroethane	ND		*0.247*	0.247	ND		*1.00*	1.00	01/27/23	KCA	1	
1,1-Dichloroethene	ND		*0.051*	0.051	ND		*0.20*	0.20	01/27/23	KCA	1	
1,2,4-Trichlorobenzene	ND		*0.135*	0.135	ND		*1.00*	1.00	01/27/23	KCA	1	
1,2,4-Trimethylbenzene	ND		*0.204*	0.204	ND		*1.00*	1.00	01/27/23	KCA	1	
1,2-Dibromoethane(EDB)	ND		*0.130*	0.130	ND		*1.00*	1.00	01/27/23	KCA	1	
1,2-Dichlorobenzene	ND		*0.166*	0.166	ND		*1.00*	1.00	01/27/23	KCA	1	
1,2-Dichloroethane	ND		*0.247*	0.247	ND		*1.00*	1.00	01/27/23	KCA	1	
1,2-dichloropropane	ND		*0.217*	0.217	ND		*1.00*	1.00	01/27/23	KCA	1	
1,2-Dichlorotetrafluoroethane	ND		*0.143*	0.143	ND		*1.00*	1.00	01/27/23	KCA	1	
1,3,5-Trimethylbenzene	ND		*0.204*	0.204	ND		*1.00*	1.00	01/27/23	KCA	1	
1,3-Butadiene	ND		*0.452*	0.452	ND		*1.00*	1.00	01/27/23	KCA	1	
1,3-Dichlorobenzene	ND		*0.166*	0.166	ND		*1.00*	1.00	01/27/23	KCA	1	
1,4-Dichlorobenzene	ND		*0.166*	0.166	ND		*1.00*	1.00	01/27/23	KCA	1	
1,4-Dioxane	ND		*0.278*	0.278	ND		*1.00*	1.00	01/27/23	KCA	1	
2-Hexanone(MBK)	ND		*0.244*	0.244	ND		*1.00*	1.00	01/27/23	KCA	1	1
4-Ethyltoluene	ND		*0.204*	0.204	ND		*1.00*	1.00	01/27/23	KCA	1	1
4-Isopropyltoluene	ND		*0.182*	0.182	ND		*1.00*	1.00	01/27/23	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND		*0.244*	0.244	ND		*1.00*	1.00	01/27/23	KCA	1	
Acetone	2.62	J	*0.421*	0.421	6.22	J	*1.00*	1.00	01/27/23	KCA	1	
Acrylonitrile	ND		*0.461*	0.461	ND		*1.00*	1.00	01/27/23	KCA	1	
Benzene	ND		*0.313*	0.313	ND		*1.00*	1.00	01/27/23	KCA	1	
Benzyl chloride	ND		*0.193*	0.193	ND		*1.00*	1.00	01/27/23	KCA	1	

Project ID: LUB PACKAGING CO
Client ID: AA-02

Phoenix I.D.: CN30994

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	01/27/23	KCA	1	
Bromoform	ND		*0.097*	0.097	ND		*1.00*	1.00	01/27/23	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND		*1.00*	1.00	01/27/23	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND		*1.00*	1.00	01/27/23	KCA	1	
Carbon Tetrachloride	0.074	J	*0.032*	0.032	0.47	J	*0.20*	0.20	01/27/23	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND		*1.00*	1.00	01/27/23	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND		*1.00*	1.00	01/27/23	KCA	1	
Chloroform	ND		*0.205*	0.205	ND		*1.00*	1.00	01/27/23	KCA	1	
Chloromethane	0.544	J	*0.485*	0.485	1.12	J	*1.00*	1.00	01/27/23	KCA	1	
Cis-1,2-Dichloroethene	0.079	J	*0.051*	0.051	0.31	J	*0.20*	0.20	01/27/23	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND		*1.00*	1.00	01/27/23	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND		*1.00*	1.00	01/27/23	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND		*1.00*	1.00	01/27/23	KCA	1	
Dichlorodifluoromethane	0.490	J	*0.202*	0.202	2.42	J	*1.00*	1.00	01/27/23	KCA	1	
Ethanol	3.23	J	*0.531*	0.531	6.08	J	*1.00*	1.00	01/27/23	KCA	1	1
Ethyl acetate	ND		*0.278*	0.278	ND		*1.00*	1.00	01/27/23	KCA	1	1
Ethylbenzene	ND		*0.230*	0.230	ND		*1.00*	1.00	01/27/23	KCA	1	
Heptane	ND		*0.244*	0.244	ND		*1.00*	1.00	01/27/23	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND		*1.00*	1.00	01/27/23	KCA	1	
Hexane	ND		*0.284*	0.284	ND		*1.00*	1.00	01/27/23	KCA	1	
Isopropylalcohol	0.694	J	*0.407*	0.407	1.70	J	*1.00*	1.00	01/27/23	KCA	1	
Isopropylbenzene	ND		*0.204*	0.204	ND		*1.00*	1.00	01/27/23	KCA	1	
m,p-Xylene	0.346	J	*0.230*	0.230	1.50	J	*1.00*	1.00	01/27/23	KCA	1	
Methyl Ethyl Ketone	0.503	J	*0.339*	0.339	1.48	J	*1.00*	1.00	01/27/23	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND		*1.00*	1.00	01/27/23	KCA	1	
Methylene Chloride	ND		*0.863*	0.863	ND		*3.00*	3.00	01/27/23	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND		*1.00*	1.00	01/27/23	KCA	1	1
o-Xylene	ND		*0.230*	0.230	ND		*1.00*	1.00	01/27/23	KCA	1	
Propylene	ND		*0.581*	0.581	ND		*1.00*	1.00	01/27/23	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND		*1.00*	1.00	01/27/23	KCA	1	1
Styrene	ND		*0.235*	0.235	ND		*1.00*	1.00	01/27/23	KCA	1	
Tetrachloroethene	0.113	J	*0.037*	0.037	0.77	J	*0.25*	0.25	01/27/23	KCA	1	
Tetrahydrofuran	1.02	J	*0.339*	0.339	3.01	J	*1.00*	1.00	01/27/23	KCA	1	1
Toluene	0.439	J	*0.266*	0.266	1.65	J	*1.00*	1.00	01/27/23	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND		*1.00*	1.00	01/27/23	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND		*1.00*	1.00	01/27/23	KCA	1	
Trichloroethene	ND		*0.037*	0.037	ND		*0.20*	0.20	01/27/23	KCA	1	
Trichlorofluoromethane	0.228	J	*0.178*	0.178	1.28	J	*1.00*	1.00	01/27/23	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND		*1.00*	1.00	01/27/23	KCA	1	
Vinyl Chloride	ND		*0.078*	0.078	ND		*0.20*	0.20	01/27/23	KCA	1	
QA/QC Surrogates/Internals												
% Bromofluorobenzene	107		*%*	%	107		*%*	%	01/27/23	KCA	1	
% IS-1,4-Difluorobenzene	99		*%*	%	99		*%*	%	01/27/23	KCA	1	
% IS-Bromochloromethane	101		*%*	%	101		*%*	%	01/27/23	KCA	1	
% IS-Chlorobenzene-d5	101		*%*	%	101		*%*	%	01/27/23	KCA	1	

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 the primary accrediting authority (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 L=Biased Low 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:

The canister was received under no vacuum, therefore sample results may not be representative.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
February 07, 2023
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX
Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 07, 2023

FOR: Attn: Brian Neumann
Precision Env. Services, Inc.
831 Route 67 Lot 38A
Ballston Spa, NY 12020

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	PS	01/25/23	16:38
Location Code:	PRECISIN-DEC	Received by:	B	01/26/23	17:23
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	19887				

Laboratory Data

SDG ID: GCN30990
Phoenix ID: CN30995

Project ID: LUB PACKAGING CO
Client ID: SS-SV-06

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	01/29/23	KCA	1	1
1,1,1-Trichloroethane	2.74	*0.183*	0.183	14.9	*1.00*	1.00	01/29/23	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	01/29/23	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	01/29/23	KCA	1	
1,1-Dichloroethane	0.474	*0.247*	0.247	1.92	*1.00*	1.00	01/29/23	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	01/29/23	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	01/29/23	KCA	1	
1,2,4-Trimethylbenzene	2.25	*0.204*	0.204	11.1	*1.00*	1.00	01/29/23	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	01/29/23	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	01/29/23	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	01/29/23	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	01/29/23	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	01/29/23	KCA	1	
1,3,5-Trimethylbenzene	0.698	*0.204*	0.204	3.43	*1.00*	1.00	01/29/23	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	01/29/23	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	01/29/23	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	01/29/23	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	01/29/23	KCA	1	
2-Hexanone(MBK)	0.314	*0.244*	0.244	1.29	*1.00*	1.00	01/29/23	KCA	1	1
4-Ethyltoluene	2.09	*0.204*	0.204	10.3	*1.00*	1.00	01/29/23	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	01/29/23	KCA	1	1
4-Methyl-2-pentanone(MIBK)	0.386	*0.244*	0.244	1.58	*1.00*	1.00	01/29/23	KCA	1	
Acetone	13.9	*0.421*	0.421	33.0	*1.00*	1.00	01/29/23	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	01/29/23	KCA	1	
Benzene	0.348	*0.313*	0.313	1.11	*1.00*	1.00	01/29/23	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	01/29/23	KCA	1	

Project ID: LUB PACKAGING CO
Client ID: SS-SV-06

Phoenix I.D.: CN30995

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	01/29/23	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	01/29/23	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	01/29/23	KCA	1	
Carbon Disulfide	ND	*0.321*	0.321	ND	*1.00*	1.00	01/29/23	KCA	1	
Carbon Tetrachloride	0.072	*0.032*	0.032	0.45	*0.20*	0.20	01/29/23	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	01/29/23	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	01/29/23	KCA	1	
Chloroform	ND	*0.205*	0.205	ND	*1.00*	1.00	01/29/23	KCA	1	
Chloromethane	ND	*0.485*	0.485	ND	*1.00*	1.00	01/29/23	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	01/29/23	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	01/29/23	KCA	1	
Cyclohexane	ND	*0.291*	0.291	ND	*1.00*	1.00	01/29/23	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	01/29/23	KCA	1	
Dichlorodifluoromethane	0.491	*0.202*	0.202	2.43	*1.00*	1.00	01/29/23	KCA	1	
Ethanol	34.7	*0.531*	0.531	65.3	*1.00*	1.00	01/29/23	KCA	1	1
Ethyl acetate	0.554	*0.278*	0.278	2.00	*1.00*	1.00	01/29/23	KCA	1	1
Ethylbenzene	1.24	*0.230*	0.230	5.38	*1.00*	1.00	01/29/23	KCA	1	
Heptane	0.457	*0.244*	0.244	1.87	*1.00*	1.00	01/29/23	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	01/29/23	KCA	1	
Hexane	0.308	*0.284*	0.284	1.08	*1.00*	1.00	01/29/23	KCA	1	
Isopropylalcohol	5.07	*0.407*	0.407	12.5	*1.00*	1.00	01/29/23	KCA	1	
Isopropylbenzene	0.228	*0.204*	0.204	1.12	*1.00*	1.00	01/29/23	KCA	1	
m,p-Xylene	4.56	*0.230*	0.230	19.8	*1.00*	1.00	01/29/23	KCA	1	
Methyl Ethyl Ketone	6.83	*0.339*	0.339	20.1	*1.00*	1.00	01/29/23	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	01/29/23	KCA	1	
Methylene Chloride	ND	*0.863*	0.863	ND	*3.00*	3.00	01/29/23	KCA	1	
n-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	01/29/23	KCA	1	1
o-Xylene	2.22	*0.230*	0.230	9.6	*1.00*	1.00	01/29/23	KCA	1	
Propylene	ND	*0.581*	0.581	ND	*1.00*	1.00	01/29/23	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	01/29/23	KCA	1	1
Styrene	ND	*0.235*	0.235	ND	*1.00*	1.00	01/29/23	KCA	1	
Tetrachloroethene	0.077	*0.037*	0.037	0.52	*0.25*	0.25	01/29/23	KCA	1	
Tetrahydrofuran	17.6	*0.339*	0.339	51.9	*1.00*	1.00	01/29/23	KCA	1	1
Toluene	3.19	*0.266*	0.266	12.0	*1.00*	1.00	01/29/23	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	01/29/23	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	01/29/23	KCA	1	
Trichloroethene	0.585	*0.037*	0.037	3.14	*0.20*	0.20	01/29/23	KCA	1	
Trichlorofluoromethane	0.204	*0.178*	0.178	1.15	*1.00*	1.00	01/29/23	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	01/29/23	KCA	1	
Vinyl Chloride	ND	*0.078*	0.078	ND	*0.20*	0.20	01/29/23	KCA	1	
QA/QC Surrogates/Internals										
% Bromofluorobenzene	108	*%*	%	108	*%*	%	01/29/23	KCA	1	
% IS-1,4-Difluorobenzene	94	*%*	%	94	*%*	%	01/29/23	KCA	1	
% IS-Bromochloromethane	96	*%*	%	96	*%*	%	01/29/23	KCA	1	
% IS-Chlorobenzene-d5	100	*%*	%	100	*%*	%	01/29/23	KCA	1	

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

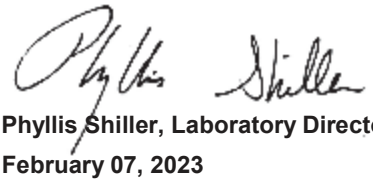
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low 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:

The canister was received under no vacuum, therefore sample results may not be representative.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director
February 07, 2023
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

February 07, 2023

FOR: Attn: Brian Neumann
Precision Env. Services, Inc.
831 Route 67 Lot 38A
Ballston Spa, NY 12020

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	PS	01/25/23	11:15
Location Code:	PRECISIN-DEC	Received by:	B	01/26/23	17:23
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	28582				

Laboratory Data

SDG ID: GCN30990
Phoenix ID: CN30996

Project ID: LUB PACKAGING CO
Client ID: SS-SV-05

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	01/29/23	KCA	1	1
1,1,1-Trichloroethane	4.09	*0.183*	0.183	22.3	*1.00*	1.00	01/29/23	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	01/29/23	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	01/29/23	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	01/29/23	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	01/29/23	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	01/29/23	KCA	1	
1,2,4-Trimethylbenzene	2.09	*0.204*	0.204	10.3	*1.00*	1.00	01/29/23	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	01/29/23	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	01/29/23	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	01/29/23	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	01/29/23	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	01/29/23	KCA	1	
1,3,5-Trimethylbenzene	0.603	*0.204*	0.204	2.96	*1.00*	1.00	01/29/23	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	01/29/23	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	01/29/23	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	01/29/23	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	01/29/23	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	01/29/23	KCA	1	1
4-Ethyltoluene	1.85	*0.204*	0.204	9.09	*1.00*	1.00	01/29/23	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	01/29/23	KCA	1	1
4-Methyl-2-pentanone(MIBK)	0.424	*0.244*	0.244	1.74	*1.00*	1.00	01/29/23	KCA	1	
Acetone	16.0	*0.421*	0.421	38.0	*1.00*	1.00	01/29/23	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	01/29/23	KCA	1	
Benzene	0.460	*0.313*	0.313	1.47	*1.00*	1.00	01/29/23	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	01/29/23	KCA	1	

Project ID: LUB PACKAGING CO
Client ID: SS-SV-05

Phoenix I.D.: CN30996

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	01/29/23	KCA	1	
Bromoform	ND		*0.097*	0.097	ND		*1.00*	1.00	01/29/23	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND		*1.00*	1.00	01/29/23	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND		*1.00*	1.00	01/29/23	KCA	1	
Carbon Tetrachloride	0.071		*0.032*	0.032	0.45		*0.20*	0.20	01/29/23	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND		*1.00*	1.00	01/29/23	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND		*1.00*	1.00	01/29/23	KCA	1	
Chloroform	ND		*0.205*	0.205	ND		*1.00*	1.00	01/29/23	KCA	1	
Chloromethane	ND		*0.485*	0.485	ND		*1.00*	1.00	01/29/23	KCA	1	
Cis-1,2-Dichloroethene	0.085	J	*0.051*	0.051	0.34	J	*0.20*	0.20	01/29/23	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND		*1.00*	1.00	01/29/23	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND		*1.00*	1.00	01/29/23	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND		*1.00*	1.00	01/29/23	KCA	1	
Dichlorodifluoromethane	0.429		*0.202*	0.202	2.12		*1.00*	1.00	01/29/23	KCA	1	
Ethanol	18.7		*0.531*	0.531	35.2		*1.00*	1.00	01/29/23	KCA	1	1
Ethyl acetate	ND		*0.278*	0.278	ND		*1.00*	1.00	01/29/23	KCA	1	1
Ethylbenzene	1.24		*0.230*	0.230	5.38		*1.00*	1.00	01/29/23	KCA	1	
Heptane	0.676		*0.244*	0.244	2.77		*1.00*	1.00	01/29/23	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND		*1.00*	1.00	01/29/23	KCA	1	
Hexane	0.298		*0.284*	0.284	1.05		*1.00*	1.00	01/29/23	KCA	1	
Isopropylalcohol	1.89		*0.407*	0.407	4.64		*1.00*	1.00	01/29/23	KCA	1	
Isopropylbenzene	0.382		*0.204*	0.204	1.88		*1.00*	1.00	01/29/23	KCA	1	
m,p-Xylene	5.41		*0.230*	0.230	23.5		*1.00*	1.00	01/29/23	KCA	1	
Methyl Ethyl Ketone	6.42		*0.339*	0.339	18.9		*1.00*	1.00	01/29/23	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND		*1.00*	1.00	01/29/23	KCA	1	
Methylene Chloride	ND		*0.863*	0.863	ND		*3.00*	3.00	01/29/23	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND		*1.00*	1.00	01/29/23	KCA	1	1
o-Xylene	2.03		*0.230*	0.230	8.81		*1.00*	1.00	01/29/23	KCA	1	
Propylene	ND		*0.581*	0.581	ND		*1.00*	1.00	01/29/23	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND		*1.00*	1.00	01/29/23	KCA	1	1
Styrene	ND		*0.235*	0.235	ND		*1.00*	1.00	01/29/23	KCA	1	
Tetrachloroethene	0.116		*0.037*	0.037	0.79		*0.25*	0.25	01/29/23	KCA	1	
Tetrahydrofuran	24.4		*0.339*	0.339	71.9		*1.00*	1.00	01/29/23	KCA	1	1
Toluene	4.98		*0.266*	0.266	18.8		*1.00*	1.00	01/29/23	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND		*1.00*	1.00	01/29/23	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND		*1.00*	1.00	01/29/23	KCA	1	
Trichloroethene	0.137		*0.037*	0.037	0.74		*0.20*	0.20	01/29/23	KCA	1	
Trichlorofluoromethane	0.195		*0.178*	0.178	1.09		*1.00*	1.00	01/29/23	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND		*1.00*	1.00	01/29/23	KCA	1	
Vinyl Chloride	ND		*0.078*	0.078	ND		*0.20*	0.20	01/29/23	KCA	1	
QA/QC Surrogates/Internals												
% Bromofluorobenzene	107		*%*	%	107		*%*	%	01/29/23	KCA	1	
% IS-1,4-Difluorobenzene	95		*%*	%	95		*%*	%	01/29/23	KCA	1	
% IS-Bromochloromethane	97		*%*	%	97		*%*	%	01/29/23	KCA	1	
% IS-Chlorobenzene-d5	100		*%*	%	100		*%*	%	01/29/23	KCA	1	

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 the primary accrediting authority (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 L=Biased Low 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:

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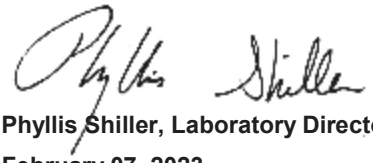

Phyllis Shiller, Laboratory Director
February 07, 2023
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX
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

February 07, 2023

FOR: Attn: Brian Neumann
Precision Env. Services, Inc.
831 Route 67 Lot 38A
Ballston Spa, NY 12020

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	PS	01/25/23	
Location Code:	PRECISIN-DEC	Received by:	B	01/26/23	17:23
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	28587				

Laboratory Data

SDG ID: GCN30990
Phoenix ID: CN30997

Project ID: LUB PACKAGING CO
Client ID: 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	01/31/23	KCA	1	1
1,1,1-Trichloroethane	4.36	*0.183*	0.183	23.8	*1.00*	1.00	01/31/23	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	01/31/23	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	01/31/23	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	01/31/23	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	01/31/23	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	01/31/23	KCA	1	
1,2,4-Trimethylbenzene	2.13	*0.204*	0.204	10.5	*1.00*	1.00	01/31/23	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	01/31/23	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	01/31/23	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	01/31/23	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	01/31/23	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	01/31/23	KCA	1	
1,3,5-Trimethylbenzene	0.615	*0.204*	0.204	3.02	*1.00*	1.00	01/31/23	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	01/31/23	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	01/31/23	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	01/31/23	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	01/31/23	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	01/31/23	KCA	1	1
4-Ethyltoluene	1.88	*0.204*	0.204	9.24	*1.00*	1.00	01/31/23	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	01/31/23	KCA	1	1
4-Methyl-2-pentanone(MIBK)	0.482	*0.244*	0.244	1.97	*1.00*	1.00	01/31/23	KCA	1	
Acetone	16.9	*0.421*	0.421	40.1	*1.00*	1.00	01/31/23	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	01/31/23	KCA	1	
Benzene	0.467	*0.313*	0.313	1.49	*1.00*	1.00	01/31/23	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	01/31/23	KCA	1	

Project ID: LUB PACKAGING CO
Client ID: DUP

Phoenix I.D.: CN30997

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	01/31/23	KCA	1	
Bromoform	ND		*0.097*	0.097	ND		*1.00*	1.00	01/31/23	KCA	1	
Bromomethane	ND		*0.258*	0.258	ND		*1.00*	1.00	01/31/23	KCA	1	
Carbon Disulfide	ND		*0.321*	0.321	ND		*1.00*	1.00	01/31/23	KCA	1	
Carbon Tetrachloride	0.076		*0.032*	0.032	0.48		*0.20*	0.20	01/31/23	KCA	1	
Chlorobenzene	ND		*0.217*	0.217	ND		*1.00*	1.00	01/31/23	KCA	1	
Chloroethane	ND		*0.379*	0.379	ND		*1.00*	1.00	01/31/23	KCA	1	
Chloroform	ND		*0.205*	0.205	ND		*1.00*	1.00	01/31/23	KCA	1	
Chloromethane	ND		*0.485*	0.485	ND		*1.00*	1.00	01/31/23	KCA	1	
Cis-1,2-Dichloroethene	0.110	J	*0.051*	0.051	0.44	J	*0.20*	0.20	01/31/23	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	0.221	ND		*1.00*	1.00	01/31/23	KCA	1	
Cyclohexane	ND		*0.291*	0.291	ND		*1.00*	1.00	01/31/23	KCA	1	
Dibromochloromethane	ND		*0.118*	0.118	ND		*1.00*	1.00	01/31/23	KCA	1	
Dichlorodifluoromethane	0.412		*0.202*	0.202	2.04		*1.00*	1.00	01/31/23	KCA	1	
Ethanol	19.4		*0.531*	0.531	36.5		*1.00*	1.00	01/31/23	KCA	1	1
Ethyl acetate	ND		*0.278*	0.278	ND		*1.00*	1.00	01/31/23	KCA	1	1
Ethylbenzene	1.31		*0.230*	0.230	5.68		*1.00*	1.00	01/31/23	KCA	1	
Heptane	0.676		*0.244*	0.244	2.77		*1.00*	1.00	01/31/23	KCA	1	
Hexachlorobutadiene	ND		*0.094*	0.094	ND		*1.00*	1.00	01/31/23	KCA	1	
Hexane	0.309		*0.284*	0.284	1.09		*1.00*	1.00	01/31/23	KCA	1	
Isopropylalcohol	1.92		*0.407*	0.407	4.72		*1.00*	1.00	01/31/23	KCA	1	
Isopropylbenzene	0.384		*0.204*	0.204	1.89		*1.00*	1.00	01/31/23	KCA	1	
m,p-Xylene	5.66		*0.230*	0.230	24.6		*1.00*	1.00	01/31/23	KCA	1	
Methyl Ethyl Ketone	6.94		*0.339*	0.339	20.5		*1.00*	1.00	01/31/23	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	0.278	ND		*1.00*	1.00	01/31/23	KCA	1	
Methylene Chloride	ND		*0.863*	0.863	ND		*3.00*	3.00	01/31/23	KCA	1	
n-Butylbenzene	ND		*0.182*	0.182	ND		*1.00*	1.00	01/31/23	KCA	1	1
o-Xylene	2.09		*0.230*	0.230	9.07		*1.00*	1.00	01/31/23	KCA	1	
Propylene	ND		*0.581*	0.581	ND		*1.00*	1.00	01/31/23	KCA	1	1
sec-Butylbenzene	ND		*0.182*	0.182	ND		*1.00*	1.00	01/31/23	KCA	1	1
Styrene	ND		*0.235*	0.235	ND		*1.00*	1.00	01/31/23	KCA	1	
Tetrachloroethene	0.134		*0.037*	0.037	0.91		*0.25*	0.25	01/31/23	KCA	1	
Tetrahydrofuran	25.2		*0.339*	0.339	74.3		*1.00*	1.00	01/31/23	KCA	1	1
Toluene	5.12		*0.266*	0.266	19.3		*1.00*	1.00	01/31/23	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	0.252	ND		*1.00*	1.00	01/31/23	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	0.221	ND		*1.00*	1.00	01/31/23	KCA	1	
Trichloroethene	0.117		*0.037*	0.037	0.63		*0.20*	0.20	01/31/23	KCA	1	
Trichlorofluoromethane	0.204		*0.178*	0.178	1.15		*1.00*	1.00	01/31/23	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	0.131	ND		*1.00*	1.00	01/31/23	KCA	1	
Vinyl Chloride	ND		*0.078*	0.078	ND		*0.20*	0.20	01/31/23	KCA	1	
QA/QC Surrogates/Internals												
% Bromofluorobenzene	110		*%*	%	110		*%*	%	01/31/23	KCA	1	
% IS-1,4-Difluorobenzene	101		*%*	%	101		*%*	%	01/31/23	KCA	1	
% IS-Bromochloromethane	102		*%*	%	102		*%*	%	01/31/23	KCA	1	
% IS-Chlorobenzene-d5	103		*%*	%	103		*%*	%	01/31/23	KCA	1	

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 the primary accrediting authority (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 L=Biased Low 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:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
February 07, 2023
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

TO-15

Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method TO-15 Volatiles Data
for Phoenix Environmental Laboratories, Inc.
SDG: GCN30990

7 Soil Vapor/Air Samples and 1 Field Duplicate
Collected January 25, 2023

Prepared by: Donald Anné
February 22, 2023

Holding Times: The sample was analyzed within recommended USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for target compounds were above the allowable minimum (0.010), as required.

The %D for ethanol was above the allowable maximum (30%) on 01-27-23 (0127_01.D). The %D for carbon disulfide was above the allowable maximum (30%) on 01-30-23 (0130_01.D). Positive results for ethanol and carbon disulfide should be considered estimated (J) in associated samples.

Blanks: The analysis of intra-lab blank reported target compounds as not detected. The analyses of the cleaned canisters reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil vapor/air samples.

Laboratory Duplicate Sample: The relative percent differences for applicable compounds were below the allowable maximum for laboratory duplicate samples SS-SV-07 and IA-06.

Laboratory Control Sample: The percent recoveries for target compounds were within QC limits for air/vapor samples CN30990 LCS, CN30991 LCS, and CN31981 LCS.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

Field Duplicates: The relative percent difference for cis-1,2-dichloroethene was above the allowable maximum (25%) for soil vapor field duplicate pair SS-SV-05/DUP (attached table). Positive result for cis-1,2-dichloroethene should be considered estimated (J) in samples SS-SV-05 and DUP.

Compound ID: Checked compounds were within quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

The results for ethanol in samples SS-SV-07, IA-06, and IA-07; results for isopropyl alcohol in sample IA-07; and the result for acetone in sample IA-07 were quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. The results for these compounds that is flagged as 'E' in the sample should be considered estimated (J).

Canister Pressure: The laboratory did not report the received a residual vacuum for samples AA-02 and SS-SV-06. Positive results for samples AA-02 and SS-SV-06 should be considered estimated (J).

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

NY # 11301

Canister Sampling Information

February 07, 2023

FOR: Attn: Brian Neumann
Precision Env. Services, Inc.
831 Route 67 Lot 38A
Ballston Spa, NY 12020

Location Code: PRECISIN-DEC

Project ID: LUB PACKAGING CO

SDG I.D.: GCN30990

						Laboratory					Field			
Client Id	Lab Id	Canister Id	Canister Type	Reg. Id	Chk Out Date	Out Hg	In Hg	Out Flow	In Flow	Flow RPD	Start Hg	End Hg	Sampling Start Date	Sampling End Date
SS-SV-07	CN30990	7641	6.0L	10646	01/12/23	-30	-4	3.6	3.6	0.0	-29	-3	01/25/23 10:11	01/25/23 10:11
IA-06	CN30991	224	6.0L	10659	01/12/23	-30	-4	3.7	3.7	0.0	-30	-5	01/25/23 10:37	01/25/23 10:37
IA-07	CN30992	13637	6.0L	10640	01/12/23	-30	-3	3.8	3.8	0.0	-30	-2	01/25/23 10:10	01/25/23 10:10
IA-05	CN30993	16010	6.0L	10645	01/12/23	-30	-3	3.7	3.7	0.0	-30	-3	01/25/23 11:17	01/25/23 11:17
AA-02	CN30994	494	6.0L	7040	01/12/23	-30	0	3.8	3.7	2.7	-30	-2	01/25/23 11:25	01/25/23 11:25
SS-SV-06	CN30995	19887	6.0L	10558	01/12/23	-30	0	3.7	3.5	5.6	-30	-2	01/25/23 10:38	01/25/23 10:38
SS-SV-05	CN30996	28582	6.0L	5618	01/12/23	-30	-13	7.7	8.1	5.1	-30	-15	01/25/23 11:15	01/25/23 11:15
DUP	CN30997	28587	6.0L	NA	01/12/23	-30	-13				-30	-15	01/25/23 00:00	01/25/23 00:00

7A
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: PRECISIN-DEC

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCN30990

Instrument: CHEM20 Calibration Date: 01/27/23 Time: 13:50

Lab File Id: 0127_01.D Init. Calib. Date(s): 01/26/23 01/27/23

Heated Purge (Y/N): Y Init. Calib. Times: 17:27 00:07

GC Column: RTX-1 60M Method File: 20_AIR_0126.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Propylene	0.759	0.775		-2.1	30
Dichlorodifluoromethane	3.754	4.174		-11.2	30
Chloromethane	1.635	1.931		-18.1	30
1,2-Dichlorotetrafluoroethane	5.385	5.889		-9.4	30
Vinyl Chloride	1.830	2.117		-15.7	30
1,3-Butadiene	1.387	1.700		-22.6	30
Bromomethane	1.971	2.205		-11.9	30
Chloroethane	0.845	1.043		-23.4	30
Ethanol	0.565	0.794		-40.5 #	30
Acetone	3.231	3.728		-15.4	30
Trichlorofluoromethane	5.772	6.587		-14.1	30
Isopropylalcohol	3.681	4.140		-12.5	30
Acrylonitrile	1.361	1.756		-29.0	30
1,1-Dichloroethene	3.004	3.796		-26.4	30
Methylene Chloride	2.318	2.983		-28.7	30
Carbon Disulfide	4.888	6.004		-22.8	30
Trichlorotrifluoroethane	4.262	5.201		-22.0	30
Trans-1,2-Dichloroethene	1.344	1.383		-2.9	30
1,1-Dichloroethane	1.752	1.931		-10.2	30
Methyl tert-butyl ether(MTBE)	2.505	2.343		6.5	30
Methyl Ethyl Ketone	2.044	2.196		-7.4	30
Cis-1,2-Dichloroethene	1.338	1.354		-1.2	30
Hexane	1.499	1.481		1.2	30
Chloroform	2.276	2.379		-4.5	30
Ethyl acetate	0.422	0.451		-6.9	30
Tetrahydrofuran	1.111	1.092		1.7	30
1,2-Dichloroethane	1.526	1.597		-4.7	30
1,1,1-Trichloroethane	2.454	2.475		-0.9	30
Benzene	3.104	3.159		-1.8	30
Carbon Tetrachloride	2.435	2.600		-6.8	30
Cyclohexane	1.269	1.342		-5.8	30
1,2-dichloropropane	0.326	0.328		-0.6	30
Bromodichloromethane	0.671	0.647		3.6	30
Trichloroethene	0.452	0.419		7.3	30
1,4-Dioxane	0.191	0.178		6.8	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: PRECISIN-DEC

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCN30990

Instrument: CHEM20 Calibration Date: 01/27/23 Time: 13:50

Lab File Id: 0127_01.D Init. Calib. Date(s): 01/26/23 01/27/23

Heated Purge (Y/N): Y Init. Calib. Times: 17:27 00:07

GC Column: RTX-1 60M Method File: 20_AIR_0126.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Heptane	0.479	0.488		-1.9	30
cis-1,3-Dichloropropene	0.475	0.423		10.9	30
4-Methyl-2-pentanone(MIBK)	0.709	0.683		3.7	30
trans-1,3-Dichloropropene	0.426	0.392		8.0	30
1,1,2-Trichloroethane	0.368	0.382		-3.8	30
Toluene	1.079	1.068		1.0	30
Dibromochloromethane	0.749	0.696		7.1	30
2-Hexanone(MBK)	0.641	0.614		4.2	30
1,2-Dibromoethane(EDB)	0.629	0.597		5.1	30
Tetrachloroethene	0.569	0.550		3.3	30
1,1,1,2-Tetrachloroethane	0.998	1.019		-2.1	30
Chlorobenzene	1.775	1.898		-6.9	30
Ethylbenzene	2.655	2.790		-5.1	30
m,p-Xylene	2.100	1.813		13.7	30
Bromoform	1.318	1.376		-4.4	30
Styrene	1.599	1.627		-1.8	30
1,1,2,2-Tetrachloroethane	1.825	1.961		-7.5	30
o-Xylene	2.253	2.376		-5.5	30
Isopropylbenzene	3.216	3.447		-7.2	30
4-Ethyltoluene	3.387	3.755		-10.9	30
1,3,5-Trimethylbenzene	2.497	2.774		-11.1	30
1,2,4-Trimethylbenzene	2.912	3.015		-3.5	30
Benzyl chloride	1.628	1.432		12.0	30
1,3-Dichlorobenzene	1.926	2.093		-8.7	30
1,4-Dichlorobenzene	2.004	2.062		-2.9	30
sec-Butylbenzene	4.260	4.435		-4.1	30
4-Isopropyltoluene	3.958	4.080		-3.1	30
1,2-Dichlorobenzene	1.851	2.127		-14.9	30
n-Butylbenzene	3.277	3.396		-3.6	30
1,2,4-Trichlorobenzene	1.085	1.054		2.9	30
Hexachlorobutadiene	1.384	1.653		-19.4	30
1,2-Dichlorotetrafluoroethane(sim)	5.138	5.342		-4.0	30
Vinyl Chloride(sim)	1.920	2.110		-9.9	30
Bromomethane(sim)	1.964	2.000		-1.8	30
Trichlorofluoromethane(sim)	5.615	6.599		-17.5	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: PRECISIN-DEC

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCN30990

Instrument: CHEM20 Calibration Date: 01/27/23 Time: 13:50

Lab File Id: 0127_01.D Init. Calib. Date(s): 01/26/23 01/27/23

Heated Purge (Y/N): Y Init. Calib. Times: 17:27 00:07

GC Column: RTX-1 60M Method File: 20_AIR_0126.M

COMPOUND		RRF	RRF1	RRF MIN	%D	% D LIMITS
1,2-Dichloroethane(sim)		1.517	1.449		4.5	30
1,1,1-Trichloroethane(sim)		2.406	2.476		-2.9	30
Benzene(sim)		3.104	2.865		7.7	30
Carbon Tetrachloride(sim)		2.383	2.593		-8.8	30
1,1-Dichloroethene(sim)		2.998	3.443		-14.8	30
Trichlorotrifluoroethane(sim)		4.142	5.129		-23.8	30
Trans-1,2-Dichloroethene(sim)		1.362	1.255		7.9	30
1,1-Dichloroethane(sim)		1.848	1.875		-1.5	30
Cis-1,2-Dichloroethene(sim)		1.313	1.228		6.5	30
Chloroform(sim)		2.336	2.405		-3.0	30
1,2-dichloropropane(sim)		0.377	0.365		3.2	30
Bromodichloromethane(sim)		0.640	0.647		-1.1	30
Trichloroethene(sim)		0.485	0.470		3.1	30
1,4-Dioxane(sim)	qfi	1.000	1.05		-5.0	20
cis-1,3-Dichloropropene(sim)		0.492	0.496		-0.8	30
1,1,2-Trichloroethane(sim)		0.375	0.382		-1.9	30
Dibromochloromethane(sim)		0.731	0.783		-7.1	30
1,2-Dibromoethane(EDB)(sim)		0.617	0.597		3.2	30
Tetrachloroethene(sim)		0.635	0.647		-1.9	30
Bromoform(sim)		1.571	1.635		-4.1	30
m,p-Xylene(sim)		2.149	2.318		-7.9	30
1,1,2,2-Tetrachloroethane(sim)		2.041	2.120		-3.9	30
Benzyl chloride(sim)		1.354	1.433		-5.8	30
1,3-Dichlorobenzene(sim)		2.276	2.422		-6.4	30
1,4-Dichlorobenzene(sim)		1.988	2.062		-3.7	30
sec-Butylbenzene(sim)		4.513	5.074		-12.4	30
4-Isopropyltoluene(sim)		3.796	4.114		-8.4	30
1,2-Dichlorobenzene(sim)		2.260	2.385		-5.5	30
n-Butylbenzene(sim)		2.893	3.397		-17.4	30
1,2,4-Trichlorobenzene(sim)		1.150	1.266		-10.1	30
Hexachlorobutadiene(sim)	qfi	1.000	1.07		-7.0	20
% Bromofluorobenzene		1.212	1.360		-12.2	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7A
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: PRECISIN-DEC

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCN30990

Instrument: CHEM20 Calibration Date: 01/30/23 Time: 11:03

Lab File Id: 0130_01.D Init. Calib. Date(s): 01/26/23 01/27/23

Heated Purge (Y/N): Y Init. Calib. Times: 17:27 00:07

GC Column: RTX-1 60M Method File: 20_AIR_0126.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Propylene	0.759	0.748		1.4	30
Dichlorodifluoromethane	3.754	3.913		-4.2	30
Chloromethane	1.635	1.717		-5.0	30
1,2-Dichlorotetrafluoroethane	5.385	5.425		-0.7	30
Vinyl Chloride	1.830	2.021		-10.4	30
1,3-Butadiene	1.387	1.518		-9.4	30
Bromomethane	1.971	2.004		-1.7	30
Chloroethane	0.845	0.929		-9.9	30
Ethanol	0.565	0.696		-23.2	30
Acetone	3.231	3.419		-5.8	30
Trichlorofluoromethane	5.772	5.835		-1.1	30
Isopropylalcohol	3.681	4.106		-11.5	30
Acrylonitrile	1.361	1.515		-11.3	30
1,1-Dichloroethene	3.004	3.530		-17.5	30
Methylene Chloride	2.318	2.627		-13.3	30
Carbon Disulfide	4.888	2.568		47.5 #	30
Trichlorotrifluoroethane	4.262	3.268		23.3	30
Trans-1,2-Dichloroethene	1.344	1.374		-2.2	30
1,1-Dichloroethane	1.752	1.862		-6.3	30
Methyl tert-butyl ether(MTBE)	2.505	2.428		3.1	30
Methyl Ethyl Ketone	2.044	2.077		-1.6	30
Cis-1,2-Dichloroethene	1.338	1.421		-6.2	30
Hexane	1.499	1.527		-1.9	30
Chloroform	2.276	2.433		-6.9	30
Ethyl acetate	0.422	0.410		2.8	30
Tetrahydrofuran	1.111	1.144		-3.0	30
1,2-Dichloroethane	1.526	1.599		-4.8	30
1,1,1-Trichloroethane	2.454	2.362		3.7	30
Benzene	3.104	3.128		-0.8	30
Carbon Tetrachloride	2.435	2.459		-1.0	30
Cyclohexane	1.269	1.309		-3.2	30
1,2-dichloropropane	0.326	0.318		2.5	30
Bromodichloromethane	0.671	0.625		6.9	30
Trichloroethene	0.452	0.384		15.0	30
1,4-Dioxane	0.191	0.174		8.9	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: PRECISIN-DEC

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCN30990

Instrument: CHEM20 Calibration Date: 01/30/23 Time: 11:03

Lab File Id: 0130_01.D Init. Calib. Date(s): 01/26/23 01/27/23

Heated Purge (Y/N): Y Init. Calib. Times: 17:27 00:07

GC Column: RTX-1 60M Method File: 20_AIR_0126.M

COMPOUND	RRF	RRF1	RRF MIN	%D	% D LIMITS
Heptane	0.479	0.439		8.4	30
cis-1,3-Dichloropropene	0.475	0.415		12.6	30
4-Methyl-2-pentanone(MIBK)	0.709	0.683		3.7	30
trans-1,3-Dichloropropene	0.426	0.380		10.8	30
1,1,2-Trichloroethane	0.368	0.343		6.8	30
Toluene	1.079	0.962		10.8	30
Dibromochloromethane	0.749	0.682		8.9	30
2-Hexanone(MBK)	0.641	0.557		13.1	30
1,2-Dibromoethane(EDB)	0.629	0.583		7.3	30
Tetrachloroethene	0.569	0.522		8.3	30
1,1,1,2-Tetrachloroethane	0.998	0.996		0.2	30
Chlorobenzene	1.775	1.881		-6.0	30
Ethylbenzene	2.655	2.660		-0.2	30
m,p-Xylene	2.100	1.683		19.9	30
Bromoform	1.318	1.305		1.0	30
Styrene	1.599	1.520		4.9	30
1,1,2,2-Tetrachloroethane	1.825	1.843		-1.0	30
o-Xylene	2.253	2.342		-4.0	30
Isopropylbenzene	3.216	3.192		0.7	30
4-Ethyltoluene	3.387	3.330		1.7	30
1,3,5-Trimethylbenzene	2.497	2.656		-6.4	30
1,2,4-Trimethylbenzene	2.912	2.791		4.2	30
Benzyl chloride	1.628	1.311		19.5	30
1,3-Dichlorobenzene	1.926	2.051		-6.5	30
1,4-Dichlorobenzene	2.004	1.595		20.4	30
sec-Butylbenzene	4.260	4.117		3.4	30
4-Isopropyltoluene	3.958	3.823		3.4	30
1,2-Dichlorobenzene	1.851	1.849		0.1	30
n-Butylbenzene	3.277	3.070		6.3	30
1,2,4-Trichlorobenzene	1.085	0.807		25.6	30
Hexachlorobutadiene	1.384	1.443		-4.3	30
1,2-Dichlorotetrafluoroethane(sim)	5.138	4.878		5.1	30
Vinyl Chloride(sim)	1.920	1.889		1.6	30
Bromomethane(sim)	1.964	1.805		8.1	30
Trichlorofluoromethane(sim)	5.615	5.858		-4.3	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

7B
AIR CONTINUING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: PRECISIN-DEC

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GCN30990

Instrument: CHEM20 Calibration Date: 01/30/23 Time: 11:03

Lab File Id: 0130_01.D Init. Calib. Date(s): 01/26/23 01/27/23

Heated Purge (Y/N): Y Init. Calib. Times: 17:27 00:07

GC Column: RTX-1 60M Method File: 20_AIR_0126.M

COMPOUND		RRF	RRF1	RRF MIN	%D	% D LIMITS
1,2-Dichloroethane(sim)		1.517	1.440		5.1	30
1,1,1-Trichloroethane(sim)		2.406	2.410		-0.2	30
Benzene(sim)		3.104	2.818		9.2	30
Carbon Tetrachloride(sim)		2.383	2.464		-3.4	30
1,1-Dichloroethene(sim)		2.998	3.181		-6.1	30
Trichlorotrifluoroethane(sim)		4.142	3.192		22.9	30
Trans-1,2-Dichloroethene(sim)		1.362	1.238		9.1	30
1,1-Dichloroethane(sim)		1.848	1.832		0.9	30
Cis-1,2-Dichloroethene(sim)		1.313	1.280		2.5	30
Chloroform(sim)		2.336	2.313		1.0	30
1,2-dichloropropane(sim)		0.377	0.353		6.4	30
Bromodichloromethane(sim)		0.640	0.622		2.8	30
Trichloroethene(sim)		0.485	0.454		6.4	30
1,4-Dioxane(sim)	qfi	1.000	1.03		-3.0	20
cis-1,3-Dichloropropene(sim)		0.492	0.488		0.8	30
1,1,2-Trichloroethane(sim)		0.375	0.344		8.3	30
Dibromochloromethane(sim)		0.731	0.752		-2.9	30
1,2-Dibromoethane(EDB)(sim)		0.617	0.586		5.0	30
Tetrachloroethene(sim)		0.635	0.612		3.6	30
Bromoform(sim)		1.571	1.546		1.6	30
m,p-Xylene(sim)		2.149	2.157		-0.4	30
1,1,2,2-Tetrachloroethane(sim)		2.041	2.008		1.6	30
Benzyl chloride(sim)		1.354	1.311		3.2	30
1,3-Dichlorobenzene(sim)		2.276	2.148		5.6	30
1,4-Dichlorobenzene(sim)		1.988	1.595		19.8	30
sec-Butylbenzene(sim)		4.513	4.685		-3.8	30
4-Isopropyltoluene(sim)		3.796	3.824		-0.7	30
1,2-Dichlorobenzene(sim)		2.260	2.141		5.3	30
n-Butylbenzene(sim)		2.893	3.071		-6.2	30
1,2,4-Trichlorobenzene(sim)		1.150	1.090		5.2	30
Hexachlorobutadiene(sim)	qfi	1.000	0.94		6.0	20
% Bromofluorobenzene		1.212	1.361		-12.3	30

(*) Recommended RRF not met (+) %D exceeds criteria % (#) %D exceeds (maximum) criteria

%D: 20% of target compounds are allowed to be above criteria %, but must be less than the (maximum) %D

(#) Maximum %D not met.

Field Duplicate Calculation Section

Volatiles TO-15

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. GCN30990

S1= SS-SV-05 **S2=** DUP

Analyte	S1	S2	RPD (%)	
Dichlorodifluoromethane	0.429	0.412	4%	
Ethanol	18.7	19.4	4%	
Acetone	16	16.9	5%	
Trichlorofluoromethane	ND	0.204	NC	
Isopropylalcohol	1.89	1.92	2%	
Methyl Ethyl Ketone	6.42	6.94	8%	
Hexane	0.298	0.309	4%	
Tetrahydrofuran	24.4	25.2	3%	
1,1,1-Trichloroethane	4.09	4.36	6%	
Benzene	0.46	0.467	2%	
Heptane	0.676	0.676	0%	
4-Methyl-2-pentanone	0.424	0.482	13%	
Toluene	4.98	5.12	3%	
Ethylbenzene	1.24	1.31	5%	
p/m-Xylene	5.41	5.66	5%	
o-Xylene	2.03	2.09	3%	
Isopropylbenzene	0.382	0.384	1%	
4-Ethyltoluene	1.85	1.88	2%	
1,3,5-Trimethylbenzene	0.603	0.615	2%	
1,2,4-Trimethylbenzene	2.09	2.13	2%	
Trichlorofluoromethane(sim)	0.195	ND	NC	
Carbon Tetrachloride(sim)	0.071	0.076	7%	
Cis-1,2-Dichloroethene(sim)	0.085	0.11	26%	*
Trichloroethene(sim)	0.137	0.117	16%	
Tetrachloroethene(sim)	0.116	0.134	14%	

* RPD is above the allowable maximum (25%).

All results are in ppv v/v.

Bold numbers were values that are below the CRQL or above the high standard.
ND - Not detected.
NC - Not calculated, both results must be within the linear range for valid RPDs to be calculated.

Alpha Geoscience: Acronyms and Definitions

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U	=	Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
R	=	Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
N	=	Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
J	=	Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
J-	=	Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.
J+	=	Analyte is present. Reported value may be biased high andassociated with a higher level of uncertainty than is normally expected with the analytical method.
UJ	=	Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.