June 26, 2026

Mr. Peter Krog II
320 Roberts Road Freezer, LLC
4 Centre Drive
Orchard Park, New York 14127

RE: 2025 Indoor Air and Sub-Slab Soil Vapor Sampling
Former Edgewood Warehouse Site (320 Roberts Road Freezer)
320 South Roberts Road, Dunkirk, New York (BCP Site #C907032)

Dear Mr. Krog:

On February 18, 2025, The New York State Department of Environmental Conservation (NYSDEC) and New York State Department of Health (NYSDOH) issued a response letter to the *Site Management – 2024 Indoor Air and Sub-Slab Sampling* report submitted by LaBella on November 8, 2024. According to the letter, NYSDOH requested that either additional indoor air/outdoor air and sub-slab vapor sampling be completed annually for IA-01/SS-01, IA-02/SS-02, IA-03/SS-03, and IA-04/SS-04 (and the source of Trichloroethene detected in indoor air sample IA-02 be identified) or that the sub-slab depressurization system (SSDS) be activated.. The approach selected was to complete an additional round of air sampling in an effort to satisfy the NYSDEC/NYSDOH requirements. The following sections summarize the scope of work completed and the results from the 2025 supplemental indoor air and sub-slab soil vapor sampling.

BACKGROUND

The Former Edgewood Warehouse Site NYSDEC Site (Site #C907032) was remediated pursuant to a Brownfield Cleanup Agreement (BCA) ratified with the NYSDEC in January 2018 and amended in December 2019 and June 2019. Figure 1 depicts the location of this 7.94-acre site within the City of Dunkirk, Chautauqua County, New York. The property was remediated in 2018-2019 in accordance with a NYSDEC-approved Remedial Work Plan (RWP) and was redeveloped with a new temperature-controlled warehouse facility. The remedy for the Site included the mitigation of potential soil vapor intrusion into the new freezer warehouse facility through the installation of a passive Sub-Slab Depressurization System (SSDS). The passive SSDS includes a clean aggregate gas permeable layer overlain by a polyethylene vapor barrier under the building floor slabs, and perforated fabric wrapped pipes buried in pea stone connected to polyvinyl chloride (PVC) riser vent pipes on the exterior of the building. The system was designed to be capable of activation should conditions warrant.

LaBella completed post-construction indoor air sampling in November 2020. The results of the post-construction indoor air sampling were included in the *2021 Periodic Review Report* dated April 19, 2021, revised June 10, 2021. Based on the results of the indoor air sampling, the NYSDEC request further evaluation of indoor air quality and sub-slab soil vapor in their June 22, 2021, PRR response letter. LaBella prepared and submitted a *Supplemental Indoor Air and Sub-Slab Sampling Work Plan* submitted September 29, 2021, to the NYSDEC and received subsequent approval. The supplemental air sampling was completed in February 2022. During the supplemental air sampling

in February 2022, sub-slab vapor samples from two sub slab locations (SS-2 and SS-3) were not obtained due to the presence of water in the stainless-steel tubing installed under the building slab as part of the SSDS. The NYSDEC issued a response letter dated June 21, 2022, requesting the resampling of indoor air and sub-slab samples from the SS-2/IA-2 and SS-3/IA-3 indoor air and sub-slab locations. Additional supplemental air sampling was completed in April 2023 from the SS-2/IA-2 and SS-3/IA-3 locations. The NYSDEC issued a response letter to the *Additional Supplemental Indoor Air and Sub-Slab Sampling Report* on January 26, 2024, requesting an additional round of sub-slab vapor, indoor air, and outdoor air sampling be completed, or that the SSDS be activated, based on elevated concentrations of 2-butanone detected in the sub-slab and indoor air samples.

SCOPE OF SERVICES

LaBella completed the following major tasks associated with the 2025 indoor air and sub-slab sampling:

- Mobilized to the Site on April 17, 2025, for the collection of sub-slab, indoor air, and outdoor air samples, as specified in the Department's letter.
- Air samples were collected utilizing batch-certified summa canisters equipped with a laboratory calibrated regulator. Sample collection periods ranged from approximately five hours and 55 minutes to seven hours and 25 minutes.
- Purging occurred at each sub-slab location prior to collecting the sample. The sampling locations were screened with a photoionization detector (PID) prior to sample collection. No elevated PID readings were observed. A leak test was not performed prior to sample collection.
- The following table indicates the sample IDs and corresponding sample locations. It should be noted that the sample IDs for the East and West freezer (IA-01/SS-01 and IA-02/SS-02) differ from previous sampling events.

Freezer Warehouse	IA-01 2025 SS-01 2025	Eastern freezer unit
Freezer Warehouse	IA-02 2025 SS-02 2025	Western freezer unit
Shipping Receiving Area	IA-03 2025 SS-03 2025	Loading dock area
Offices	IA-04 2025 SS-04 2025	Office area

Due to the low temperatures (-20°F) inside of the freezer unit, the Summa canisters associated with indoor air samples IA-01 and IA-02 were placed on the north exterior of the freezer facility proximate the man doors. Tubing was connected to the regulators on the canisters and run inside of the freezer units through the doorways, which were kept closed during the sampling period. The sub-slab samples were intended to be collected from monitoring points located on the exterior of the building, connected to stainless steel tubing that extends under the building and was installed with the SSDS during building construction. However, water was encountered in the monitoring point lines at SS-01, SS-02, and SS-03. The water was unable to be completely removed from the tubing, so the sample collection locations were switched from the exterior monitoring point to the corresponding exterior vent risers for the respective portions of the SSDS. The tubing was run down through the vents to a depth beneath the building slab. The vent risers used for the collection of the SS-01, SS-02, and SS-03 samples are connected to the same portions of the SSDS as the stainless-steel monitoring points. Water present in the monitoring point tubing may be due to

condensation or perched water in the tubing from building construction. The sub-slab air sample from the West Freezer area (SS-02) was not able to be analyzed due to a malfunctioning regulatory preventing proper sample collection. The indoor air and sub-slab sample locations were selected to coincide with the previous sampling locations. The locations of the 2025 indoor air and sub-slab samples and previous sample locations are depicted on Figure 2.

- One outdoor background air sample was collected from an upwind location, west of the Site Building. The approximate sample location is depicted on Figure 2.
- The sample IDs, locations, canisters numbers, start times, initial vacuum readings, end times, and end vacuum readings were recorded on field sampling logs included in Attachment 1.
- Air samples were submitted under proper chain of custody procedures to Pace Analytical, a New York State Department of Health Environmental Laboratory Approval Program certified laboratory for analysis of volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) method TO-15.
- A New York State Department of Health (NYSDOH) Indoor Air Quality Questionnaire and Building Inventory was completed in accordance with NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006 and is included in Attachment 1.

NYSDOH QUESTIONNAIRE AND BUILDING INVENTORY

Per the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006, an Indoor Air Quality Questionnaire and Building Inventory was completed for the freezer facility and is included in Attachment 1. The Site building is an active freezer storage facility with temperature-controlled freezer units and loading dock areas. The office area has HVAC and the heat was on during sampling. The following observations were made during the completion of the NYSDOH Indoor Air Quality Questionnaire: containers of general cleaning supplies, hand sanitizers, food-grade chain grease, and expandable foam sealer were observed stored in the janitor's closet in the Office Area. The facility was fully operational at the time of the sampling. The freezer units had frozen food products in them, and propane-powered forklifts were transporting pallets of product around at the time of the sampling.

LABORATORY ANALYTICAL RESULTS

The indoor air sample results were compared to the 90th percentile values from the United States Environmental Protection Agency USEPA 2001 Building Assessment and Survey Evaluation (BASE) Database values identified within the 2006 NYSDOH Soil Vapor Intrusion (SVI) Guidance. [It should be noted that the BASE database is referenced to provide a relative benchmark for comparison to the indoor air sampling data but does not represent regulatory standards or compliance values.] The sub-slab soil vapor, indoor air and outdoor air analytical results are summarized in Table 1, and analytical laboratory report is included in Attachment 2.

The following VOCs were detected at concentrations exceeding their respective USEPA BASE Database (90th percentile) values:

- **1,1,1-Trichloroethane:**
  - IA-04 (23.7 µg/m^3 compared to 90th percentile value of 20.6 µg/m^3)
    - *Compound was detected in the corresponding sub-slab soil vapor sample at a lower concentration, which indicates a potential indoor air source.*

- 1,1-Dichloroethane:
  - IA-04 (7.33 µg/m³ compared to 90th percentile value of <0.7 µg/m³)
    - *Concentration was lower in the corresponding sub-slab soil vapor sample, which does not indicate a vapor intrusion concern*
- 2-Butanone (MEK):
  - IA-01 (119 µg/m³ compared to 90th percentile value of 12 µg/m³)
    - *Concentration was lower in the corresponding sub-slab soil vapor sample, which does not indicate a vapor intrusion concern.*
  - IA-02 (47.2 µg/m³ compared to 90th percentile value of 12 µg/m³)
    - *Due to a flow controller issue, no corresponding sub-slab soil vapor sample was collected during this sampling event.*
  - IA-03 (38.3 µg/m³ compared to 90th percentile value of 12 µg/m³)
    - *Concentration was lower in the corresponding sub-slab soil vapor sample, which does not indicate a vapor intrusion concern.*
- Acetone:
  - IA-01 (175 µg/m³ compared to 90th percentile value of 98.9 µg/m³)
    - *Acetone is a common laboratory reagent and is not a contaminant of concern for the Site. The acetone exceedance is presumably related to laboratory contamination.*
- Cis-1,2-Dichloroethene:
  - IA-04 (5.04 µg/m³ compared to 90th percentile value of <1.9 µg/m³)
    - *Compound was not detected in the corresponding sub-slab soil vapor sample, which indicates a potential indoor air source.*
- Ethanol:
  - IA-01 (226 µg/m³ compared to 90th percentile value of 210 µg/m³)
  - IA-02 (339 µg/m³ compared to 90th percentile value of 210 µg/m³)
  - IA-03 (597 µg/m³ compared to 90th percentile value of 210 µg/m³)
    - *Concentrations were lower in the corresponding sub-slab soil vapor samples with the exception of SS-01, which does not indicate a vapor intrusion concern.*
- Isopropanol:
  - IA-04 (317 µg/m³ compared to 90th percentile value of 250 µg/m³)
    - *Concentration was lower in the corresponding sub-slab soil vapor sample, which does not indicate a vapor intrusion concern.*

- Trichloroethene (TCE):
  - IA-04 (10.5 µg/m³ compared to 90th percentile value of 4.2 µg/m³)
    - *Compound was not detected in the corresponding sub-slab soil vapor sample, which indicates a potential indoor air source.*

The concentration of TCE in indoor air sample, IA-04 (10.5 µg/m³), exceeded its respective NYSDOH Air Guideline Value of 2 µg/m³. [LaBella notes that TCE was not detected in the corresponding sub-slab soil vapor sample (SS-04), which indicates a potential indoor air source.] No additional exceedances of the guidance values listed in Table 3.1 of the NYSDOH Guidance Document were detected.

Parameters within indoor air samples exceeding USEPA BASE 90th percentile values all fall below the Occupation Safety and Health Administration (OSHA) Permissible Exposure Limit for an 8-hour Time Weighted Average (TWA) workday.

When comparing the sample results to the NYSDOH Decision Matrices, 1,1,1 Trichloroethane, Cis-1,2-Dichloroethene, and Trichloroethene (TCE) in IA-04 and Heptane in IA-02 and IA-03 are recommended to identify the source, resample, or mitigate.

LaBella notes that the most recent indoor air and sub-slab soil vapor concentrations for 2-Butanone (2.53 – 119 µg/m^3) are generally lower than those detected in April 2024 (1.4 – 1,600 µg/m^3) and significantly lower than those detected in April 2023 (301– 3,540 µg/m^3).

CONCLUSIONS AND RECOMMENDATIONS

The results of the supplemental indoor air and sub-slab soil vapor sampling indicate that contaminant concentrations in indoor air are below the NYSDOH Air Guidance Values identified in Table 3.1 of the NYSDOH Guidance Document, except for TCE in one indoor air sample (IA-04, office area). However, TCE was not detected in the corresponding sub-slab sample (SS-04), or the outdoor air sample (OA-1), which suggests an indoor air source rather than a vapor intrusion concern. The chemical product inventory did not reveal any obvious sources of TCE. Additionally, when results from IA-04 are compared to the NYSDOH Decision Matrices, 1,1,1 Trichloroethane and Cis-1,2-Dichloroethene are recommended to identify the source, resample, or mitigate. Concentrations in the corresponding sub-slab sample were detected at lower concentrations or not detected.

When comparing the sample results to the NYSDOH Decision Matrices, Heptane in IA-02 and IA-03 are recommended to identify the source, resample, or mitigate. Heptane in the sub-slab sample SS-03 was detected at a concentration significantly lower than the indoor air concentration, suggesting an indoor air source rather than a vapor intrusion concern.

During the 2024 sampling event TCE was identified in the indoor air sample from the East Freezer area (IA-02 2024). No obvious potential sources were identified in this area. Resampling of the East Freezer area conducted in 2025 was non detect for TCE in the indoor air.

2-Butanone (MEK) was detected in each of the indoor air and sub-slab soil vapor samples analyzed by the laboratory. LaBella notes that the concentrations of 2-Butanone detected in the indoor air samples exceeded or were detected at similar concentration to their corresponding sub-slab samples, and the compound was not detected in the outdoor air sample. Suggesting a potential indoor air source rather than a vapor intrusion concern. MEK is commonly used as an industrial solvent/adhesive but was not previously identified as a contaminant of concern for the Site. While the chemical product inventory did not reveal any obvious sources of MEK, such may have been used during construction of the building. Concentrations of 2-Butanone have continued to decrease significantly since 2023.

Based on the results of the sub-slab and indoor air samples no apparent indications of vapor intrusion into the indoor air were identified and the SSDS appears to be functioning properly. Activation of the SSDS does not appear warranted at this time. Potential indoor air sources of 1,1,1 Trichloroethane, Cis-1,2-Dichloroethene, and TCE in the office area and Heptane in the West Freezer and Loading Dock areas should be evaluated, or resampling of the indoor air in these locations should be conducted. This report and the sample results should be forwarded to the NYSDEC for review and comment.

Thank you for the opportunity to service your environmental needs. Please do not hesitate to contact me should you have any questions.

Respectfully submitted,

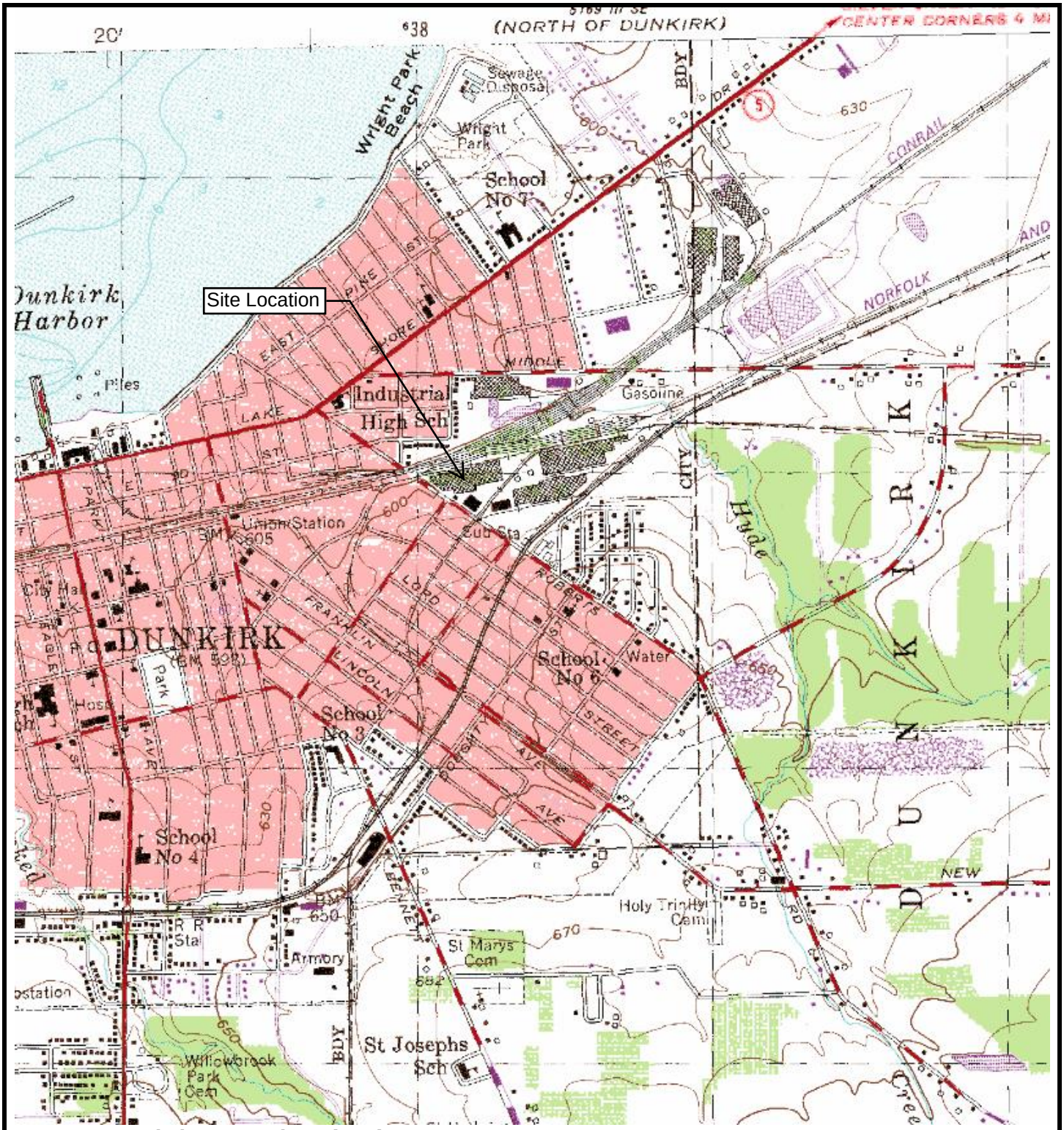
LaBella Associates



Stephen Campana, PG
Project Manager

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FIGURES



7.5-minute, Dunkirk, New York quadrangle USGS Map

N

Not To Scale

FIGURE 1

SITE LOCATION MAP

Former Edgewood Warehouse Site
320 South Roberts Road
Dunkirk, New York

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PROJECT NO.

2203235

LEGEND

FABRIC WRAPPED 4 INCH HDPE PERFORATED PIPE PLACED WITHIN MIDDLE OF PEA STONE TRENCH

4 INCH SOLID SCH 40 PVC PIPE PLACED WITHIN MIDDLE OF PEA STONE TRENCH, SLOPED AWAY FROM VERTICAL RISER AT 1/4 INCH PER FOOT TO ALLOW FOR DRAINAGE.

1/4 INCH STAINLESS STEEL MONITORING POINTS PLACED WITHIN MIDDLE OF PEA STONE TRENCH, FABRIC WRAPPED AT END TERMINATING IN PEA STONE TRENCH.

Air Sampling Legend

- Indoor Air Sample Location (April 2023/2024/2025)
- Sub-Slab Vapor Sample Location (April 2023/2024/2025)
- Outdoor Air Sample Location (April 2023/2024/2025)
- Stainless Steel Monitoring Point Tubing

NOTES:

1. 1/4 INCH STAINLESS STEEL MONITORING POINTS MOUNTED APPROXIMATELY 3 FEET ABOVE FINAL GROUND SURFACE AGAINST AN EXTERIOR WALL. REFER TO DETAIL 1: PROFILE AT MONITORING POINT.
2. 1/4 STAINLESS STEEL TUBING TERMINATED IN MIDDLE OF SUBBASE STONE WITH FABRIC WRAPPED END.
3. 4 INCH SCHEDULE 40 PVC RISER LOCATED 6 INCHES FROM WALL AND VENTED UP ALONG THE EXTERIOR OF THE WALL AND TERMINATED AT LEAST 10 FEET ABOVE THE GROUND SURFACE. REFER TO DETAIL 8: RISER PROFILE.
4. 4 INCH SCHEDULE 40 PVC TO 4 INCH HDPE PERFORATED PIPE CONNECTION. REFER TO DETAIL 4: DETAIL AT HEADER.
5. 4 INCH HDPE PIPE WRAPPED IN FABRIC AND PLACED IN PEA STONE TRENCH. REFER TO DETAIL 7 & 10: MATERIAL PROFILE
6. 4 INCH SOLID PVC EXTENDING MINIMUM 2 FEET ON INTERIOR OF FOUNDATION WALL, GROUTED IN PLACE TO FORM WATER TIGHT CONNECTION. REFER TO DETAIL 6: TYPICAL HORIZONTAL PIPE PENETRATION.
7. PIPING MOVED AS NEEDED IN FIELD TO AVOID PLUMBING. CONTACT ENGINEER TO CONFIRM PIPING MODIFICATIONS ARE ACCEPTABLE.
8. INSTALLED 4" CAP AT EACH VAPOR COLLECTION PIPE TERMINATION.
9. ALL SUB-SLAB VAPOR COLLECTION PIPING IS GEOTEXTILE-WRAPPED 4 INCH PERFORATED CORRUGATED HDPE.
10. HEADER PIPING SHOWN IS 4 INCH SCHEDULE 40 PVC.
11. PEA STONE SHALL CONSIST OF WASHED MATERIAL THAT WILL PASS THROUGH A 2 INCH SIEVE AND BE RETAINED BY A 1/4 INCH SIEVE.
12. SEALED ALL PENETRATIONS AND GAPS WITH AN ELASTOMERIC JOINT SEALANT.
13. THIS DRAWING IS NOT TO INTENDED TO PROVIDE STRUCTURAL INFORMATION. REFER TO STRUCTURAL DRAWINGS.
14. SYSTEM INSTALLED AS PASSIVE. FANS WILL BE INSTALLED AND THE SYSTEM MADE ACTIVE IF PASSIVE SYSTEM IS NOT EFFECTIVE IN MITIGATING VAPOR INTRUSION INTO THE BUILDING.

SS-2R (2024)

Sub-slab sample collected through vent pipe due to water in stainless steel line.

OA-1 (2023/2024)

SS-01 (2025)

SS-02 (2025)

Sub-slab sample collected through vent pipe due to water in stainless steel line.

IA-2 (2022)

IA-2R (2023/2024)

IA-01 (2025)

SS-02 (2022) Not able to be collected
SS-2R (2023)

IA-2 (2022): NYSDOH Decision Matrices recommend to identify the source, resample, or mitigate for Cyclohexane
IA-2R (2023): NYSDOH Decision Matrices recommend to identify the source, resample, or mitigate for 1,2,4-Trimethylbenzene and Xylenes
IA-2R (2024): NYSDOH Decision Matrices recommend to identify the source, resample, or mitigate for Trichloroethene
IA-02 (2024): Trichoroethene exceeds NYSDOH Table 3.1 Guidance Value. Identify potential source(s)/Resample. 2025 indoor air sample was non detect.

IA-04 (2022):NYSDOH Decision Matrices recommend to identify the source, resample, or mitigate for Methylene Chloride
IA-04 (2025): Trichoroethene exceeds NYSDOH Table 3.1 Guidance Value. Identify potential source(s). NYSDOH Decision Matrices recommend to identify the source, resample, or mitigate for 1,1,1 Trichloroethane and Cis-1,2-Dichloroethene

OA-1 (2025)

IA-04 (2022/2025)

SS-04 (2022/2025)

IA-02 (2025): NYSDOH Decision Matrices recommend to identify the source, resample, or mitigate for Heptane

IA-02 (2025)

SS-01 (2022): NYSDOH Decision Matrices recommend to identify the source, resample, or mitigate for Cyclohexane and to mitigate for 1,1,1-Trichloroethane, and Trichloroethene

SS-01 (2022)

IA-03 (2022): NYSDOH Decision Matrices recommend to identify the source, resample, or mitigate for Cyclohexane and Heptane
IA-03 (2025): NYSDOH Decision Matrices recommend to identify the source, resample, or mitigate for Heptane

IA-01 (2022)

IA-03 (2022)

IA-3R (2023)

IA-3 (2024)

IA-03 (2025)

Sub-slab sample collected through vent pipe due to water in stainless steel line.

SS-3R/SS-3/SS-03 (2023/2024/2025)

IA-01 (2022): NYSDOH Decision Matrices recommend to mitigate for 1,1,1-Trichloroethane and Trichloroethene

SS-03(2022) Not able to be collected

OFFICE
CONF. RM
5' EXIT HALLWAY
LAV.
LAV.
GENERAL OFFICE AREA
IT RM.
JAN.CL.
BREAK ROOM
LOCKERS (40)
MEN'S
WOMEN'S
MGR. OFFICE
RE-PACK 2,240 SF (+40 FT)
LAV.
VEST.
SHIPPING OFFICE
S/R DOCK AREA 2,000 SF (+80 FT)
OFFICE
ENGINE/MECH. 2,000 SF

0' 25' 75'

N

NO.	REVISION	BY	DATE
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It is a violation of New York Education Law Article 145 Sec.7209, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter any item on this plan in any way. If any item bearing the stamp of a licensed architect, professional engineer, or land surveyor is altered, the altering architect, engineer, or land surveyor shall affix to the item altered his or her seal and the notation "Altered by" followed by his or her signature and date of such alteration, and a specific description of the alteration.

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Developers
Engineers
Contractors

PROJECT/CLIENT
FORMER EDGEWOOD WAREHOUSE SITE
NYSDEC BCP #C907032
320 SOUTH ROBERTS ROAD
CHAUTAUQUA COUNTY
DUNKIRK, NY

DRAWING TITLE
INDOOR AIR SAMPLING
LOCATION MAP

ISSUED FOR

DESIGNED BY: AB
DRAWN BY: AB
REVIEWED BY: DN

DATE: SEPTEMBER, 2019

J:\The Krog Group\2017\1845 - Former Edgewood Warehouse\Reports\BCP\Draft Appendices\Supporting Documents\Appendix A - Figures\Figure 2 - IA Sampling Locations.dwg, 10/7/2019 8:39:39 AM, Adobe PDF

PROJECT/DRAWING NUMBER
2203235

Figure 2

LaBella
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TABLE

Table 1
Summary of Volatile Organic Compounds in Sub-Slab Soil Vapor, Indoor Air and Outdoor Air
2025 Supplemental Indoor Air and Sub-Slab Sampling
320 Roberts Road Freezer
320 South Roberts Road, Dunkirk, New York

SAMPLE ID:	SS-01	IA-01	SS-02	IA-02	SS-03	IA-03	SS-04	IA-04	OA	NYSDOH Air Guideline Value [1]	Table C2 USEPA BASE Database-90th Percentile [2]	OSHA PEL (8-hour TWA) [3]
COLLECTION DATE:	4/17/2025	4/17/2025	4/17/2025	4/17/2025	4/17/2025	4/17/2025	4/17/2025	4/17/2025	4/17/2025			
SAMPLE MATRIX:	SOIL VAPOR	INDOOR AIR	SOIL VAPOR	INDOOR AIR	SOIL VAPOR	INDOOR AIR	SOIL VAPOR	INDOOR AIR	OUTDOOR AIR			
VOLATILE ORGANIC COMPOUNDS												
1,1,1-Trichloroethane (1,1,1-TCA)	<	0.12	Not Analyzed*	0.24	<	0.327	3.17	23.7	<	NL	20.6	1,900,000
1,1-Dichloroethane	<	<	Not Analyzed*	<	<	<	<	7.33	<	NL	<0.7	400,000
1,2,4-Trimethylbenzene	1.13	1.12	Not Analyzed*	<	1.25	<	1.02	<	<	NL	9.5	NL
1,3-Butadiene	<	5.18	Not Analyzed*	<	<	<	<	<	<	NL	<3.0	2,210
1,3-Dichlorobenzene	4.82	<	Not Analyzed*	<	8.96	<	3.65	<	<	NL	<2.4	NL
2,2,4-Trimethylpentane	1.44	<	Not Analyzed*	1.55	1.5	0.972	0.934	<	<	NL	NL	NL
2-Butanone (methyl ethyl ketone or MEK)	29.8	119	Not Analyzed*	47.2	7.9	38.3	21.3	2.53	<	NL	12	590,000
2-Hexanone	<	5.53	Not Analyzed*	<	<	<	<	<	<	NL	NL	410,000
Acetone	283	175	Not Analyzed*	8.55	240	57.5	96.4	24.7	8.86	NL	98.9	2,400,000
Benzene	1.2	0.99	Not Analyzed*	<	1.24	<	0.92	<	<	NL	9.4	3,195
Carbon tetrachloride	<	0.239	Not Analyzed*	0.409	<	0.491	<	0.44	0.421	NL	<1.3	62,920
Chloroform	<	<	Not Analyzed*	<	<	<	<	1.08	<	NL	1.1	240,000
Chloromethane	2.48	1.66	Not Analyzed*	1.38	5.99	1.64	0.599	1.27	1.28	NL	3.7	NL
cis-1,2-Dichloroethene (cis 1,2-DCE)	3	<	Not Analyzed*	<	<	0.119	<	5.04	<	NL	<1.9	NL
Cyclohexane	0.805	2.39	Not Analyzed*	2.54	0.757	3.38	<	<	<	NL	NL	1,050,000
Dichlorodifluoromethane (Freon 12)	2.19	5.83	Not Analyzed*	6.33	2.18	7.71	2.7	2.17	2.19	NL	16.5	4,950,000
Ethanol	301	226	Not Analyzed*	339	416	597	135	188	<	NL	210	1,900,000
Ethyl Acetate	<	<	Not Analyzed*	<	<	3.71	<	<	<	NL	5.4	1,400,000
Ethylbenzene	1.09	1.03	Not Analyzed*	<	<	<	<	<	<	NL	5.7	435,000
Heptane	1.79	2.68	Not Analyzed*	45.5	1.78	128	1.50	1.55	<	NL	NL	2,000,000
Isopropanol	16.4	54.3	Not Analyzed*	73.7	117	122	11.1	317	5.11	NL	250	980,000
n-Hexane	5.39	2.49	Not Analyzed*	1.91	38.1	1.07	2.02	0.885	0.705	NL	10.2	1,800,000
o-Xylene	1.53	1.4	Not Analyzed*	<	1.29	<	1.23	<	<	NL	7.9	435,000
p/m-Xylene	4.07	3.24	Not Analyzed*	<	2.91	<	2.99	<	<	NL	22.2	435,000
Tertiary butyl Alcohol	6.52	1.6	Not Analyzed*	<	8.79	1.52	2.24	<	<	NL	NL	300,000
Tetrachloroethene (PCE)	95.6	0.339	Not Analyzed*	0.244	<	1.17	<	0.773	<	30	15.9	678,323
Toluene	7.69	3.43	Not Analyzed*	2.7	4.3	<	4.52	2.89	<	NL	43	750,000
Trichloroethene (TCE)	2.39	<	Not Analyzed*	0.167	<	0.607	<	**10.5**	<	2	4.2	537,423
Trichlorofluoromethane (Freon 11)	1.14	1.33	Not Analyzed*	1.36	<	1.69	1.47	1.2	1.19	NL	18.1	5,600,000
Vinyl chloride	<	<	Not Analyzed*	<	1.58	<	<	<	<	NL	<1.9	2,556

Notes:
Concentrations listed are in micrograms per cubic meter ($\mu g/m^3$)
Samples analyzed for VOCs by USEPA Method TO-15
NL = Not Listed
NA = Not Applicable
"<" Indicates the analyte was not detected above the laboratory method detection limit

* SS-02 was not analyzed due to an issue with the flow regulator, which prevented the Summa canister from filling up with sufficient sample

Bold concentrations are above their respective NYSDOH Air Guideline Values

Blue concentrations are above their respective USEPA BASE Database 90th percentile values for indoor air

(1) *New York State Department of Health (NYSDOH), Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, October 2006 and subsequent updates. [Note: This Guidance provides Air Guidance Values for several parameters. Air Guideline Values obtained from Table 3.1. In addition, for compounds not listed in the matrices, an overall site approach is employed which utilizes the United States Environmental Protection Agency (USEPA) Building Assessment and Survey Evaluation (BASE) Database (see 2. below) as typical background for commercial buildings and also uses the outdoor air sample, refer to Guidance document for details.]

(2) United States Environmental Protection Agency (USEPA) Building Assessment and Survey Evaluation (BASE) Database (90th Percentile). As recommended in Section 3.2.4 of the NYSDOH Guidance (Refer to Footnote "1") this database is referenced for the indoor air sampling results. This database is also referenced to provide initial benchmarks for comparison to the air sampling data and does not represent regulatory standards or compliance values.

(3) Permissible Exposure Limits (PELs), 8-hour time-weighted average (TWA), from Occupational Safety and Health Administration (OSHA) Tables Z-1/Z-2

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Table 2
Summary of Volatile Organic Compounds in Sub-Slab Soil Vapor, Indoor Air and Outdoor Air
Supplememental Indoor Air and Sub-Slab Sampling
320 Roberts Road Freezer
320 South Roberts Road, Dunkirk, New York

SAMPLE ID:	IA-01	IA-02	SS-01	SS-02	IA-02	IA-2R	IA-2	IA-01	SS-02	SS-2R	SS-2R	SS-01	IA-03	IA-3R	IA-3	IA-03	SS-03	SS-3R	SS-3R	SS-03	IA-04	IA-04	SS-04	SS-04	OA-01	OA-2023	OA-1	OA	NYSDOH Air Guidance Values (1)	NYSDOH Guidance Table C2 USEPA BASE Database - 90th Percentile (2)
COLLECTION DATE:	2/22/2022	4/17/2025	2/22/2022	4/17/2025	2/22/2022	4/5/2023	4/9/2024	4/17/2025	2/22/2022	4/5/2023	4/9/2024	4/17/2025	2/22/2022	4/5/2023	4/9/2024	4/17/2025	2/22/2022	4/5/2023	4/9/2024	4/17/2025	2/22/2022	4/17/2025	2/22/2022	4/17/2025	2/22/2022	4/5/2023	4/9/2024	4/17/2025		
SAMPLE MATRIX:	INDOOR AIR	INDOOR AIR	SOIL VAPOR	SOIL VAPOR	INDOOR AIR	INDOOR AIR	INDOOR AIR	INDOOR AIR	SOIL VAPOR	SOIL VAPOR	SOIL VAPOR	SOIL VAPOR	INDOOR AIR	INDOOR AIR	INDOOR AIR	INDOOR AIR	SOIL VAPOR	SOIL VAPOR	SOIL VAPOR	SOIL VAPOR	INDOOR AIR	INDOOR AIR	SOIL VAPOR	SOIL VAPOR	OUTDOOR AIR	OUTDOOR AIR	OUTDOOR AIR	OUTDOOR AIR		
LOCATION:	WEST FREEZER				EAST FREEZER								LOADING DOCK								OFFICE AREA									
VOLATILE ORGANIC COMPOUNDS																														
1,1,1-Trichloroethane	0.382 J	0.24	1960 J	Not Analyzed*	0.398 J	0.153	<	0.12	NA	158	77	<	0.382 J	0.18	<	0.327	NA	< UJ	<	<	<	23.7	119 J	3.17	<	<	< UJ	<	NL	20.6
1,1,2,2-Tetrachloroethane	<	<	<	Not Analyzed*	<	<	<	<	NA	<	<	<	<	<	<	<	NA	<	<	<	<	<	<	<	<	<	< UJ	<	NL	NL
1,1,2-Trichloroethane	<	<	<	Not Analyzed*	<	<	<	<	NA	<	<	<	<	<	<	<	NA	<	<	<	<	<	<	<	<	<	< UJ	<	NL	<1.5
1,1-Dichloroethane	<	<	63.1 J	Not Analyzed*	<	<	<	<	NA	<	1.5	<	<	<	<	<	NA	<	<	<	<	7.33	1.35 J	<	<	<	< UJ	<	NL	<0.7
1,1-Dichloroethene	<	<	<	Not Analyzed*	<	<	<	<	NA	<	<	<	<	<	<	<	NA	<	<	<	<	<	<	<	<	<	< UJ	<	0.2**	<1.4
1,2,4-Trichlorobenzene	<	<	<	Not Analyzed*	<	<	<	<	NA	<	<	<	<	<	<	<	NA	<	<	<	<	<	<	<	<	<	< UJ	<	NL	<6.8
1,2,4-Trimethylbenzene	<	<	<	Not Analyzed*	<	13.7	0.59 J	1.12	NA	<	0.79	1.13	<	<	<	<	NA	< UJ	0.54 J	1.25	<	<	<	1.02	<	<	< UJ	<	NL	9.5
1,2-Dibromoethane	<	<	<	Not Analyzed*	<	<	<	<	NA	<	<	<	<	<	<	<	NA	<	<	<	<	<	<	<	<	<	< UJ	<	NL	<1.5
1,2-Dichlorobenzene	<	<	<	Not Analyzed*	<	<	<	<	NA	<	<	<	<	<	<	<	NA	<	<	<	<	<	<	<	<	<	< UJ	<	NL	<1.2
1,2-Dichloroethane	<	<	<	Not Analyzed*	<	<	<	<	NA	<	<	<	<	<	<	<	NA	<	<	<	<	<	<	<	<	<	< UJ	<	NL	<0.9
1,2-Dichloropropane	<	<	<	Not Analyzed*	<	<	<	<	NA	<	<	<	<	<	<	<	NA	<	<	<	<	<	<	<	<	<	< UJ	<	NL	<1.6
1,3,5-Trimethylbenzene	<	<	<	Not Analyzed*	<	3.62	<	<	NA	<	<	<	<	<	<	<	NA	< UJ	<	<	<	<	<	<	<	<	< UJ	<	NL	3.7
1,3-Butadiene	<	<	<	Not Analyzed*	<	0.577	<	5.18	NA	<	<	<	<	<	<	<	NA	< UJ	<	<	<	<	<	<	<	<	< UJ	<	NL	NL
1,3-Dichlorobenzene	<	<	<	Not Analyzed*	<	<	4.2	<	NA	<	2.7	4.82	<	<	<	<	NA	<	8.4	8.96	<	<	<	3.65	<	<	< UJ	<	NL	<2.4
1,4-Dichlorobenzene	<	<	<	Not Analyzed*	<	<	<	<	NA	<	<	<	<	<	<	<	NA	<	<	<	<	<	<	<	<	<	< UJ	<	NL	5.5
1,4-Dioxane	<	<	<	Not Analyzed*	<	<	<	<	NA	<	<	<	<	<	<	<	NA	<	<	<	<	<	<	<	<	<	< UJ	<	NL	NL
2,2,4-Trimethylpentane	<	1.55	<	Not Analyzed*	<	2.83	0.56 J	<	NA	<	0.61 J	1.44	<	<	<	0.972	NA	< UJ	0.7	1.5	<	<	<	0.934	<	<	< UJ	<	NL	NL
2-Butanone	552 JD	47.2	<	Not Analyzed*	543 JD	301 D	250	119	NA	2420 D	1600	29.8	752 JD	425 D	12	38.3	NA	3540 JD	1000	7.9	17.2 J	2.53	2.01 J	21.3	3.01 J	<	1.4 J	<	NL	12
2-Hexanone	<	<	<	Not Analyzed*	<	2.82	<	5.53	NA	430	<	<	<	<	<	<	NA	414 J	<	<	<	<	<	<	<	<	<	<	NL	NL
3-Chloropropene	<	<	<	Not Analyzed*	<	<	<	<	NA	<	<	<	<	<	<	<	NA	<	<	<	<	<	<	<	<	<	<	<	NL	NL
4-Ethyltoluene	<	<	<	Not Analyzed*	<	1.39	<	<	NA	<	<	<	<	<	<	<	NA	< UJ	<	<	<	<	<	<	<	<	<	<	NL	3.6
4-Methyl-2-pentanone	<	<	<	Not Analyzed*	<	<	<	<	NA	NA	0.61 J	<	<	<	<	<	NA	NA	0.7 J	<	<	<	<	<	2.06 J	2.06 J	< UJ	<	NL	6
Acetone	107 J	8.55	131 J	Not Analyzed*	221 J	177 J	410	173	NA	466 J	2100	283	106 J	48.7 J	38	57.5	NA	827 J	1900	240	12.1 J	24.7	122 J	96.4	6.58 J	6.49	31 J	8.86	NL	98.9
Benzene	<	<	<	Not Analyzed*	<	2.66	0.83	0.99	NA	<	1.2	1.2	<	<	<	<	NA	< UJ	1.5	1.24	<	<	<	0.92	<	<	0.61 J	<	NL	9.4
Benzyl chloride	<	<	<	Not Analyzed*	<	<	<	<	NA	<	<	<	<	<	<	<	NA	<	<	<	<	<	<	<	<	<	<	<	NL	<6.8
Bromodichloromethane	<	<	<	Not Analyzed*	<	<	<	<	NA	<	<	<	<	<	<	<	NA	<	<	<	<	<	<	<	<	<	<	<	NL	NL
Bromoform	<	<	<	Not Analyzed*	<	<	<	<	NA	<	<	<	<	<	<	<	NA	<	<	<	<	<	<	<	<	<	<	<	NL	NL
Bromomethane	<	<	<	Not Analyzed*	<	<	<	<	NA	<	<	<	<	<	<	<	NA	<	<	<	<	<	<	<	<	<	<	<	NL	<1.7
Carbon disulfide	<	<	<	Not Analyzed*	<	8.69	<	<	NA	<	0.47	<	0.875 J	0.875	<	<	NA	< UJ	0.47	<	1.05 J	<	<	<	0.685 J	<	< UJ	<	NL	4.2
Carbon tetrachloride	0.384 J	0.409	<	Not Analyzed*	0.377 J	0.39	0.44	0.239	NA	<	<	<	0.409 J	0.403	0.5	0.491	NA	< UJ	<	<	0.51 J	0.44	<	<	0.516 J	0.409	0.5 J	0.421	NL	<1.3
Chlorobenzene	<	<	<	Not Analyzed*	<	<	<	<	NA	<	<	<	<	<	<	<	NA	<	<	<	<	<	<	<	<	<	<	<	NL	<0.9
Chloroethane	<	<	<	Not Analyzed*	<	<	0.53	<	NA	<	<	<	<	<	<	<	NA	<	1.1	<	<	<	<	<	<	<	< UJ	<	NL	<1.1
Chloroform	2.48 J	<	6.79 J	Not Analyzed*	2.55 J	1.11	<	<	NA	<	0.68 J	<	2.67 J	1.6	<	<	NA	< UJ	<	<	2.27 J	1.08	<	<	<	<	< UJ	<	NL	1.1
Chloromethane	1.71 J	1.38	<	Not Analyzed*	1.7 J	2.0	1.5	1.66	NA	<	1.8	2.48	1.8 J	1.28	1.2	1.64	NA	< UJ	3.2	5.99	1.27 J	1.27	<	0.599	1.14 J	1.35	1.1 J	1.28	NL	3.7
cis-1,2-Dichloroethene	0.079 J	<	<	Not Analyzed*	0.099 J	0.091	<	<	NA	<	<	3	0.131 J	0.186	<	0.119	NA	< UJ	<	<	<	5.04	<	<	<	<	0.28 J	<	NL	<1.9
cis-1,3-Dichloropropene	<	<	<	Not Analyzed*	<	<	<	<	NA	<	<	<	<	<	<	<	NA	<	<	<	<	<	<	<	<	<	<	<	NL	<2.3
Cyclohexane	10.3 J	2.54	<	Not Analyzed*	11.3 J	2.52	<	2.39	NA	<	<	0.805	10.8 J	2.54	0.76 J	3.38	NA	< UJ	<	0.757	<	<	<	<	<	<	< UJ	<	NL	NL
Dibromochloromethane	<	<	<	Not Analyzed*	<	<	<	<	NA	<	<	<	<	<	<	<	NA	<	<	<	<	<	<	<	<	<	<	<	NL	NL
Dichlorodifluoromethane	3.5 J	6.33	13.3 J	Not Analyzed*	0.989 UJ	2.93	4.8	5.8	NA	<	4.0	2.19	0.989 UJ	2.77	3.8	7.71	NA	< UJ	3.7	2.18	2.5 J	2.17	2.94 J	2.7	2.55 J	2.31	2.7 J	2.19	NL	16.5
Ethanol	654 J	339	73.5 J	Not Analyzed*	524 J	480	<	226	NA	<	<	301	746 J	575	<	197	NA	260 J	<	416	614 J	188	111 J	135	<	<	<	<	NL	210
Ethyl Acetate	33.2 J	<	<	Not Analyzed*	22.1 J	6.52	1.5	<	NA	<	2.3	<	37.5 J	9.44	2.3	3.71	NA	< UJ	3.4	<	<	<	<	<	<	<	0.4 J	<	NL	5.4
Ethylbenzene	<	<	<	Not Analyzed*	<	8.56	<	1.03	NA	<	<	1.09	<	<	<	<	NA	< UJ	<	<	<	<	<	<	<	<	<	<	NL	5.7
Freon-113 (1,1,2-Trichlorotrifluoroethane)	<	<	<	Not Analyzed*	<	<	<	<	NA	<	<	<	<	<	<	<	NA	<	<	<	<	<	<	<	<	<	<	<	NL	NL
Freon-114 (1,2-Dichlorotetrafluoroethane)	<	<	<	Not Analyzed*	<	<	<	<	NA	<	<	<	<	<	<	<	NA	<	<	<	<	<	<	<	<	<	<	<	NL	<6.8
Heptane	5.37 J	45.5	<	Not Analyzed*	6.39 J	18.9	3.8	2.68	NA	18.6	<	1.79	34.1 J	17.2	3.8	128	NA	13.5 J	<	1.78	<	1.55	1.02 J	1.50	<	<	< UJ	<	NL	NL
Hexachlorobutadiene		<	<	Not Analyzed*	<	<	<	<	NA	<	<	<	<	<	<	<	NA	<	<	<	<	<	<	<	<	<	<	<	NL	<6.8
Isopropanol	37.1 J	73.7	<	Not Analyzed*	24.5 J	22.2	<	54.3	NA	<	22 J	16.4	36.1 J	37.4	<	122	NA	< UJ	44 J	117	3.86 J	317	4.13 J	11.1	<	<	2.1 J	5.11	NL	250
Methyl tert butyl ether	8.4 J	<	<	Not Analyzed*	4.87 J	4.87	<	<	NA	<	<	<	<	<	<	<	NA	<	<	<	<	<	4.36 J	<	<	<	<	<	NL	11.5
Methylene chloride	<	<	<	Not Analyzed*	2.24 J	2.24	6.3	<	NA	<	11	<	<	<	4.2	<	NA	<	3.5	<	12.8 J	<	<	<	30.3 J	< J	17 J	<	60	10
n-Hexane	1.47 J	1.91	<	Not Analyzed*	1.47 J	4.48	<	2.49	NA	<	<	5.39	1.54 J	2.39	1.2	1.07	NA	< UJ	<	38.1	<	0.885	<	2.02	<	<	0.6 J	0.705	NL	10.2
o-Xylene	<	<	<	Not Analyzed*	<	16.9	<	1.4	NA	<	0.48 J	1.53	<	<	<	<	NA	< UJ	0.48 J	1.29	<	<	<	1.23	<	<	< UJ	<	NL	7.9
p/m-Xylene	<	<	<	Not Analyzed*	2.21 J	28.9	0.87	3.24	NA	15.5	1.2 J	4.07	<	<	1.2 J	<	NA	< UJ	1.2 J	2.91	<	<	<	2.99	<	<	< UJ	<	NL	22.2
Styrene	<	<	<	Not Analyzed*	<	19.5	<	<	NA	21	<	<	<	<	<	<	NA	< UJ	<	<	<	<	<	<	<	<	<	<	NL	1.9
Tertiary butyl Alcohol	22.6 J	<	<	Not Analyzed*	5.82 J	6.0	<	1.6	NA	<	<	6.52	<	<	<	1.52	NA	24.8 J	<	8.79	<	<	11.6 J	2.24	<	<	<	<	NL	NL
Tetrachloroethene	0.176 J	0.244	<	Not Analyzed*	0.373 J	0.922	<	0.339	NA	<	<	95.6	1.25 J	1.65	1.9 J	1.17	NA	< UJ	<	<	<	0.773	<	<	<	<	< UJ	<	30	15.9
Tetrahydrofuran	<	<	<	Not Analyzed*	<	5.04	<	<	NA	<	<	<	<	<	1.9	<	NA	< UJ	<	<	<	<	4.81 J	<	<	<	< UJ	<	NL	NL
Toluene	3.29 J	2.7	<	Not Analyzed*	8.52 J	17.00	1.5	3.43	NA	16.5	2.5	7.69	7.20 J	1.48	0.98 J	<	NA	10.8 J	2.2	4.3	<	2.89	5.69 J	4.52	<	<	1.1 J	<	NL	43
trans-1,2-Dichloroethene	<	<	<	Not Analyzed*	<	<	<	<	NA	<	<	<	<	<	<	<	NA	<	<	<	<	<	<	<	<	<	<	<	NL	NL
trans-1,3-Dichloropropene	<	<	<	Not Analyzed*	<	<	<	<	NA	<	<	<	<	<	<	<	NA	<	<	<	<	<	<	<	<	<	<	<	NL	<1.3
Trichloroethene	0.167 J	0.167	96.2 J	Not Analyzed*	0.22 J	<	2.4	<	NA	<	<	2.39	0.317 J	0.457	0.75	0.607	NA	< UJ	<	<	<	10.5	8.17 J	<	<	<	0.81 J	<	2.0	4.2
Trichlorofluoromethane	1.73 J	1.36	9.1 J	Not Analyzed*	1.66 J	2.63	1.3	1.33	NA	<	1.9	1.14	1.59 J	2.55	1.2 J	1.69	NA	< UJ	1.2	<	1.2 J	1.2	2.74 J	1.47	1.25 J	1.15	1.3 J	1.19	NL	18.1
Vinyl bromide	<	<	<	Not Analyzed*	<	<	<	<	NA	<	<	<	<	<	<	<	NA	<	<	<	<	<	<	<	<	<	<	<	NL	NL
Vinyl chloride	<	<	<	Not Analyzed*	<	0.135	<	<	NA	<	<	<	<	<	<	<	NA	< UJ	<	1.58	0.064 J	<	<	<	<	<	<	<	NL	< 1.9
Propylene	-	-	-	-	-	-	180	-	NA	-	510 J	-	-	-	<	-	NA	-	710 J	-	-	-	-	-	-	-	< UJ	-	NL	NL

Notes:
Concentrations in micrograms per cubic meter (ug/m^3)
Samples analyzed for VOCs by USEPA Method TO-15 .
D qualifier indicates the sample results are obtained from a dilution.
J qualifier indicates the sample results are considered an estimate.
UJ qualifier indicates the sample result was edited to non detect at the reporting limit by the validator
"<" indicates concentration was not detected above the laboratory method detection limit.

(1) *New York State Department of Health (NYSDOH), Guidance for Evaluating Soil Vapor Intrusion in the State of New York* , October 2006 and subsequent updates. [Note: This Guidance provides Air Guidance Values for several parameters. Air Guideline Values obtained from Table 3.1. In addition, for compounds not listed in the matrices, an overall site approach is employed which utilizes the United States Environmental Protection Agency (USEPA) Building Assessment and Survey Evaluation (BASE) Database (see 2. below) as typical background for commercial buildings and also uses the outdoor air sample, refer to Guidance document for details.]

(2) USEPA BASE Database (90th Percentile). As recommended in Section 3.2.4 of the NYSDOH Guidance (Refer to Footnote "1"), this database is referenced for the indoor air sampling results. This database is also referenced to provide initial benchmarks for comparison to the air sampling data and does not represent regulatory standards or compliance values.

(3) Samples were collected over a 8-hr time period.

Red values are above Air Guideline Derived by NYSDOH in Table 3.1 of NYSDOH Guidance titled "Evaluating Soil Vapor Intrusion in the State of New York", October 2006 (and subsequent updates).
Blue values are above the NYSDEC Guidance Table C2 USEPA BASE Database 90th Percentile Value for indoor air.

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ATTACHMENT 1

Field Sampling Logs & NYSDOH Indoor Air Quality Questionnaire and Building Inventory

AIR SAMPLING FIELD REPORT

AIR SAMPLING POINT: IA-01 (2025)

Project:	Former Edgewood Warehouse Site	LaBella Project No.:	2203235
Site Location:	320 South Roberts Road, Dunkirk, NY	LaBella Representative:	G. Hadley
Client:	320 Robberts Road Freezer, LLC	Weather:	54°, Sunny

General Information

Sample Canister Location: Eastern freezer warehouse

Sample Source: x Indoor Air ____ Sub-Slab ____ Exterior Ambient Air ____ Exterior Soil Gas ____ Other

Shipping Date: 4/17/2025 Laboratory: Pace Analytical

Canister Type: ____ 1.0 L Summa Canister x 2.7 L Summa Canister Other (specify): ____

Canister Serial No.: 3159 Flow Controller Serial No.: 01213

Time	Vacuum Reading (inHg)	Notes
14:30	-16.31	
15:30	-12.52	
16:30	-9.44	

Sampling Information

Sample Date: 4/17/2025 Sampler: G. Hadley

Sample Height / Depth: ____

	Start	Stop
Canister Pressure Gauge Reading:	-29.2	-9.30
Sample Time:	10:00	16:40

Comments:

AIR SAMPLING FIELD REPORT

AIR SAMPLING POINT: SS-01 (2025)

Project:	Former Edgewood Warehouse Site	LaBella Project No.:	2203235
Site Location:	320 South Roberts Road, Dunkirk, NY	LaBella Representative:	G. Hadley
Client:	320 Robberts Road Freezer, LLC	Weather:	54°, Sunny

General Information

Sample Canister Location: Eastern freezer warehouse

Sample Source: ____ Indoor Air x Sub-Slab ____ Exterior Ambient Air ____ Exterior Soil Gas ____ Other

Shipping Date: 4/17/2025 Laboratory: Pace Analytical

Canister Type: ____ 1.0 L Summa Canister x 2.7 L Summa Canister Other (specify): ____

Canister Serial No.: 3755 Flow Controller Serial No.: 01284

Time	Vacuum Reading (inHg)	Notes
14:30	-18.19	
15:30	-14.73	
16:30	-11.79	

Sampling Information

Sample Date: 4/17/2025 Sampler: G. Hadley

Sample Height / Depth: ____

	Start	Stop
Canister Pressure Gauge Reading:	-29.1	-10.61
Sample Time:	10:35	16:57

Comments:

Sub-slab sample collected from vent riser pipe due to presence of water in stainless steel line

AIR SAMPLING FIELD REPORT

AIR SAMPLING POINT

IA-02 (2025)

Project:	Former Edgewood Warehouse Site	LaBella Project No.:	2203235
Site Location:	320 South Roberts Road, Dunkirk, NY	LaBella Representative:	G. Hadley
Client:	320 Robberts Road Freezer, LLC	Weather:	54°, Sunny

General Information

Sample Canister Location: Western freezer warehouse

Sample Source: x Indoor Air ____ Sub-Slab ____ Exterior Ambient Air ____ Exterior Soil Gas

____ Other

Shipping Date: 4/17/2025 Laboratory: Pace Analytical

Canister Type: ____ 1.0 L Summa Canister x 2.7 L Summa Canister Other (specify): ____

Canister Serial No.: 2787 Flow Controller Serial No.: 01883

Time	Vacuum Reading (inHg)	Notes
14:30	-18.40	
15:30	-14.98	
16:30	-11.80	

Sampling Information

Sample Date: 4/17/2025 Sampler: G. Hadley

Sample Height / Depth: ____

	Start	Stop
Canister Pressure Gauge Reading:	-29.3	-10.45
Sample Time:	10:25	17:00

Comments:

AIR SAMPLING FIELD REPORT

AIR SAMPLING POINT: SS-02 (2025)

Project:	Former Edgewood Warehouse Site	LaBella Project No.:	2203235
Site Location:	320 South Roberts Road, Dunkirk, NY	LaBella Representative:	G. Hadley
Client:	320 Robberts Road Freezer, LLC	Weather:	54°, Sunny

General Information

Sample Canister Location: Western freezer warehouse

Sample Source: ____ Indoor Air x Sub-Slab ____ Exterior Ambient Air ____ Exterior Soil Gas ____ Other

Shipping Date: 4/17/2025 Laboratory: Pace Analytical

Canister Type: ____ 1.0 L Summa Canister x 2.7 L Summa Canister Other (specify): ____

Canister Serial No.: 2182 Flow Controller Serial No.: 0984

Time	Vacuum Reading (inHg)	Notes
14:30	-29.65	
15:30	-29.65	
16:30	-29.65	

Sampling Information

Sample Date: 4/17/2025 Sampler: G. Hadley

Sample Height / Depth: ____

	Start	Stop
Canister Pressure Gauge Reading:	-29.65	-29.65
Sample Time:	10:15	14:30

Comments:

Attempted to collect sub-slab sample from vent riser pipe due to presence of water in stainless steel line. Due to regulator malfunction, no viable sample was obtained.

AIR SAMPLING FIELD REPORT

AIR SAMPLING POINT

IA-03 (2025)

Project:	Former Edgewood Warehouse Site	LaBella Project No.:	2203235
Site Location:	320 South Roberts Road, Dunkirk, NY	LaBella Representative:	G. Hadley
Client:	320 Robberts Road Freezer, LLC	Weather:	54°, Sunny

General Information

Sample Canister Location: Loading dock area

Sample Source: x Indoor Air ____ Sub-Slab ____ Exterior Ambient Air ____ Exterior Soil Gas

____ Other

Shipping Date: 4/17/2025 Laboratory: Pace Analytical

Canister Type: ____ 1.0 L Summa Canister x 2.7 L Summa Canister Other (specify): ____

Canister Serial No.: 2041 Flow Controller Serial No.: 01310

Time	Vacuum Reading (inHg)	Notes
14:30	-19.72	
15:30	-16.21	
16:30	-14.20	

Sampling Information

Sample Date: 4/17/2025 Sampler: G. Hadley

Sample Height / Depth: ____

	Start	Stop
Canister Pressure Gauge Reading:	-29.2	-12.01
Sample Time:	10:50	17:15

Comments:

AIR SAMPLING FIELD REPORT

AIR SAMPLING POINT: SS-03 (2025)

Project:	Former Edgewood Warehouse Site	LaBella Project No.:	2203235
Site Location:	320 South Roberts Road, Dunkirk, NY	LaBella Representative:	G. Hadley
Client:	320 Robberts Road Freezer, LLC	Weather:	54°, Sunny

General Information

Sample Canister Location: Loading dock area

Sample Source: ____ Indoor Air x Sub-Slab ____ Exterior Ambient Air ____ Exterior Soil Gas ____ Other

Shipping Date: 4/17/2025 Laboratory: Pace Analytical

Canister Type: ____ 1.0 L Summa Canister x 2.7 L Summa Canister Other (specify): ____

Canister Serial No.: 2825 Flow Controller Serial No.: 0233

Time	Vacuum Reading (inHg)	Notes
14:30	-20.00	
15:30	-16.59	
16:30	-13.50	

Sampling Information

Sample Date: 4/17/2025 Sampler: G. Hadley

Sample Height / Depth: ____

	Start	Stop
Canister Pressure Gauge Reading:	-29.2	-12.16
Sample Time:	10:45	17:05

Comments:

Sub-slab sample collected from vent riser pipe due to presence of water in stainless steel line

AIR SAMPLING FIELD REPORT

AIR SAMPLING POINT

IA-04 (2025)

Project:	Former Edgewood Warehouse Site	LaBella Project No.:	2203235
Site Location:	320 South Roberts Road, Dunkirk, NY	LaBella Representative:	G. Hadley
Client:	320 Robberts Road Freezer, LLC	Weather:	54°, Sunny

General Information

Sample Canister Location: Office area

Sample Source: x Indoor Air ____ Sub-Slab ____ Exterior Ambient Air ____ Exterior Soil Gas

____ Other

Shipping Date: 4/17/2025 Laboratory: Pace Analytical

Canister Type: ____ 1.0 L Summa Canister x 2.7 L Summa Canister Other (specify): ____

Canister Serial No.: 3212 Flow Controller Serial No.: 0400

Time	Vacuum Reading (inHg)	Notes
14:30	-14.59	
15:30	-11.56	
16:30	-9.75	

Sampling Information

Sample Date: 4/17/2025 Sampler: G. Hadley

Sample Height / Depth: ____

	Start	Stop
Canister Pressure Gauge Reading:	-29.3	-9.18
Sample Time:	09:20	16:45

Comments:

AIR SAMPLING FIELD REPORT

AIR SAMPLING POINT

SS-04 (2025)

Project:	Former Edgewood Warehouse Site	LaBella Project No.:	2203235
Site Location:	320 South Roberts Road, Dunkirk, NY	LaBella Representative:	G. Hadley
Client:	320 Robberts Road Freezer, LLC	Weather:	54°, Sunny

General Information

Sample Canister Location: Office area

Sample Source: ____ Indoor Air x Sub-Slab ____ Exterior Ambient Air ____ Exterior Soil Gas ____ Other

Shipping Date: 4/17/2025 Laboratory: Pace Analytical

Canister Type: ____ 1.0 L Summa Canister x 2.7 L Summa Canister Other (specify): ____

Canister Serial No.: 425 Flow Controller Serial No.: 0958

Time	Vacuum Reading (inHg)	Notes
14:30	-12.37	
15:30	-9.23	
16:30	-8.02	

Sampling Information

Sample Date: 4/17/2025 Sampler: G. Hadley

Sample Height / Depth: ____

	Start	Stop
Canister Pressure Gauge Reading:	-29.1	-8.02
Sample Time:	09:30	16:00

Comments:

LaBella
Powered by partnership.

AIR SAMPLING FIELD REPORT

AIR SAMPLING POINT

OA (2025)

Project:	Former Edgewood Warehouse Site	LaBella Project No.:	2203235
Site Location:	320 South Roberts Road, Dunkirk, NY	LaBella Representative:	G. Hadley
Client:	320 Robberts Road Freezer, LLC	Weather:	54°, Sunny

General Information

Sample Canister Location: West exterior of building

Sample Source: ____ Indoor Air ____ Sub-Slab x Exterior Ambient Air ____ Exterior Soil Gas

____ Other

Shipping Date: 4/17/2025 Laboratory: Pace Analytical

Canister Type: ____ 1.0 L Summa Canister x 2.7 L Summa Canister Other (specify): ____

Canister Serial No.: 3423 Flow Controller Serial No.: 01377

Time	Vacuum Reading (inHg)	Notes
14:30	-17.80	
15:30	-14.72	
16:30	-11.89	

Sampling Information

Sample Date: 4/17/2025 Sampler: G. Hadley

Sample Height / Depth: ____

	Start	Stop
Canister Pressure Gauge Reading:	-29.1	-10.72
Sample Time:	11:00	16:45

Comments:

OSR – 3

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 Gabriel Hadley Date/Time Prepared 4/17/2025

Preparer's Affiliation Consultant Phone No. 716-598-6945

Purpose of Investigation Supplemental air sampling to comply with DEC request.

Weather 54, sunny; heat was on and doors/windows were closed

1. OCCUPANT:

Interviewed: Y (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

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

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

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) N/A

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) Freezer warehouse

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

Other characteristics:

Number of floors 1 Building age_____

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:

Airflow between floors

N/A

Airflow near source

N/A

Outdoor air infiltration

N/A

Infiltration into air ducts

N/A

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

a. Above grade construction:	wood frame	(concrete)	stone	brick
b. Basement type:	full	crawlspace	slab	other NONE
c. Basement floor:	concrete	dirt	stone	other NONE
d. Basement floor:	uncovered	covered	covered with NONE	
e. Concrete floor:	unsealed	(sealed)	sealed with Concrete Sealer	
f. Foundation walls:	(poured)	block	stone	other _____
g. Foundation walls:	(unsealed)	sealed	sealed with _____	
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: NA (feet)

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

Several utility Penetrations in slab including floor drains
Some cracks to concrete floor (minor) Sampling locations Predetermined

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	Steam 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: Unknown

Boiler/furnace located in: Basement Outdoors (Main Floor) Other_____

Air conditioning: (Central Air) Window units Open Windows None

Powerful
Freezer
Warehouse
W/ Rooftop unit

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	N/A
1st Floor	Freezer warehouse, offices, loading zone
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?_____

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? _____

g. Is there smoking in the building? Y (N) How frequently? _____

h. Have cleaning products been used recently? Y / N When & Type? unknown

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

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

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

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

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? Exterior

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? Unknown

Are there odors in the building? Y / (N)
If yes, please describe: _____

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

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) NA

a. Provide reasons why relocation is recommended: _____

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

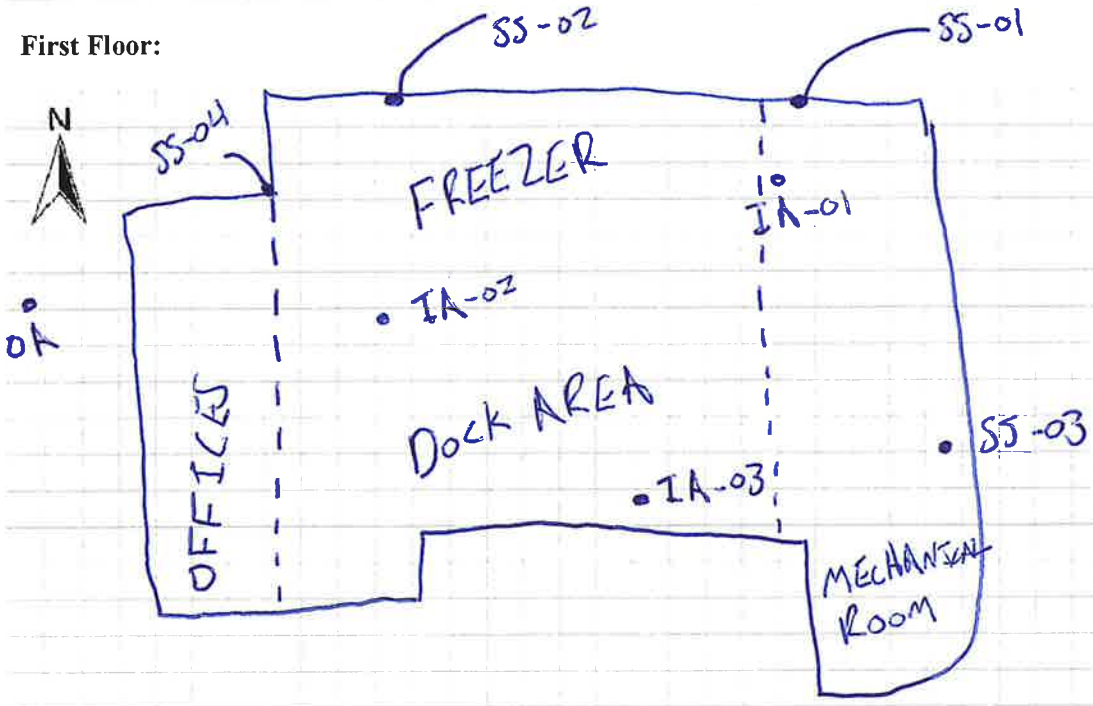
11. FLOOR PLANS

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.

Basement:



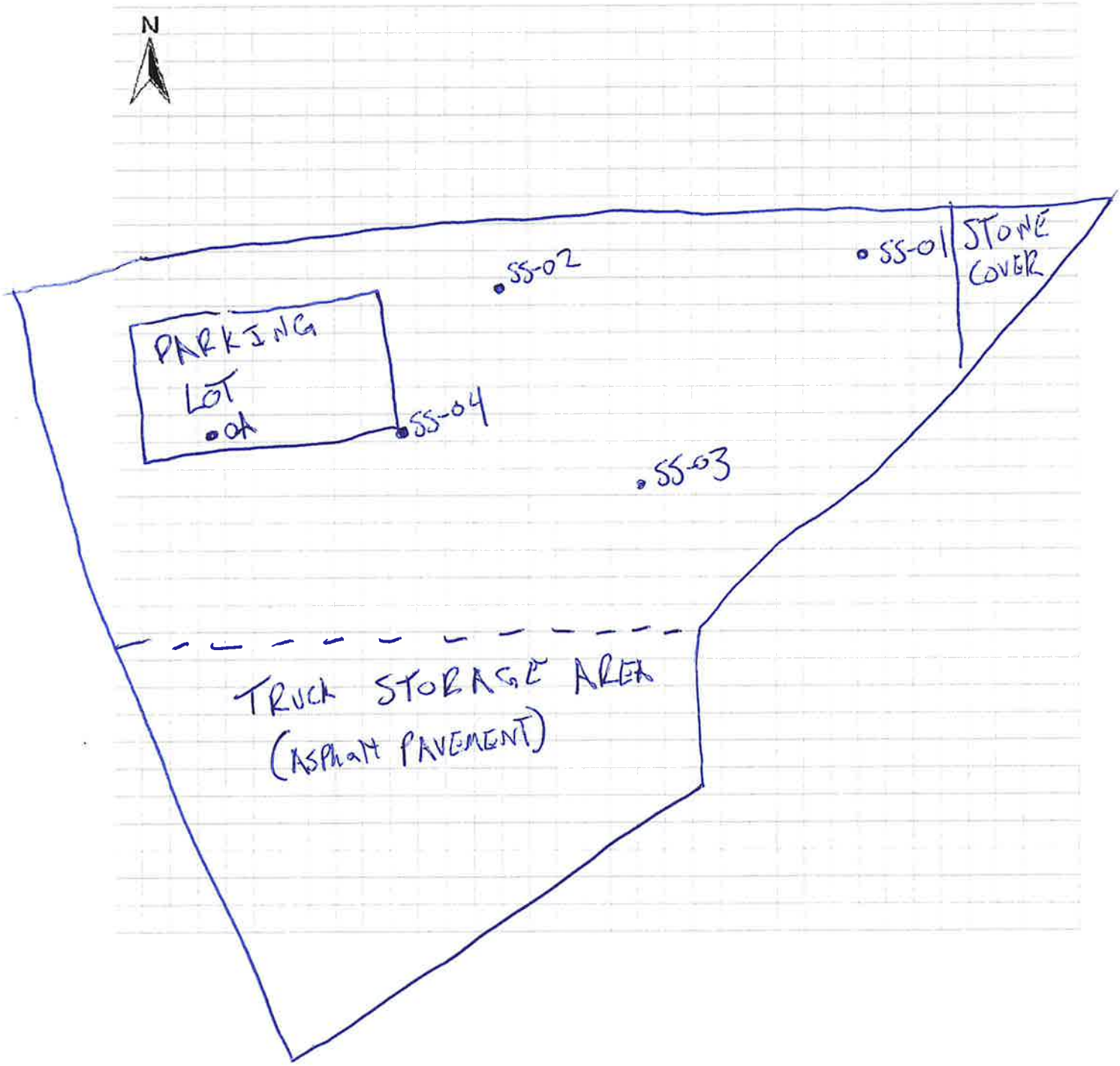
First Floor:



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.



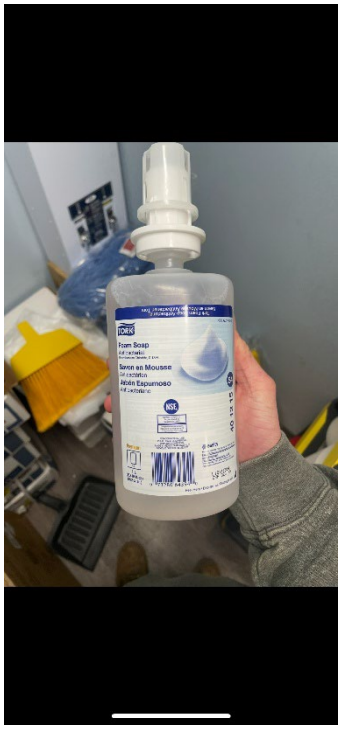
13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: N/A

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

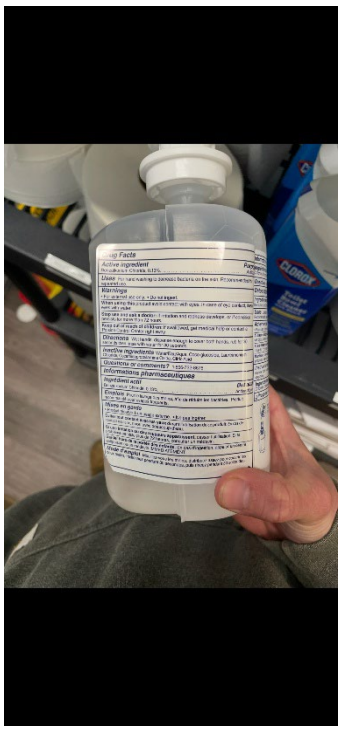
Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
Janitor's closet	TORK Foam Soap	1 L	UO	See attached photos	N/A	Y
Janitor's closet	TORK Hand Sanitizer	1 L	UO	See attached photos & SDS	N/A	Y
Janitor's closet	Lysol PRO Disinfiectant	19 fl. oz.	UO	See attached photos & SDS	N/A	Y
Janitor's closet	Clorox Toilet Bowl Cleaner	24 fl. oz.	UO	See attached photos & SDS	N/A	Y
Janitor's closet	Arocep Ultra Bleach	1 gal.	UO	See attached photos & SDS	N/A	Y
Janitor's closet	Pure Bright Germicidal Bleach	1 gal.	UO	See attached photos & SDS	N/A	Y
Janitor's closet	Sprayway SW-050 Glass Cleaner	19 fl. oz.	UO	See attached photos & SDS	N/A	Y
Janitor's closet	Sprayon Food Grade Chain Lubricant	15 fl. oz.	UO	See attached photos & SDS	N/A	Y
Janitor's closet	LPS Heavy Duty Silicone Lubricant	13 fl oz.	UO	See attached photos & SDS	N/A	Y
Janitor's closet	Sani Sanitizing Wipes	9.44 oz	UO	See attached photos	N/A	Y
Janitor's closet	DAP Max 3X Fill Expanding Sealant	12 fl. oz.	UO	See attached photos & SDS	N/A	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.



TORK Foam Soap

DATE: 4/17/2025

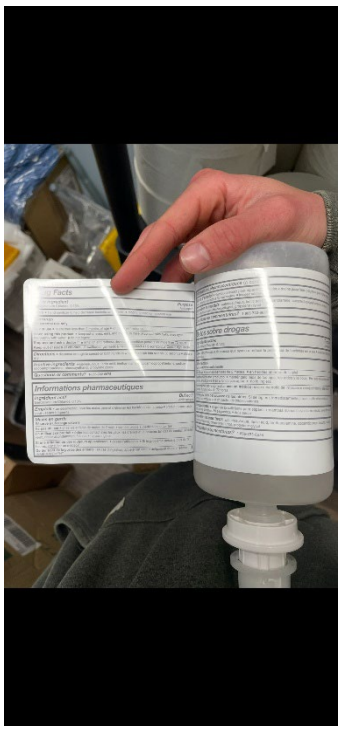


TORK Foam Soap

DATE: 4/17/2025



TORK Hand Sanitizer DATE: 4/17/2025



TORK Hand Sanitizer DATE: 4/17/2025



Lysol PRO Disinfectant DATE: 4/17/2025



Lysol PRO Disinfectant DATE: 4/17/2025



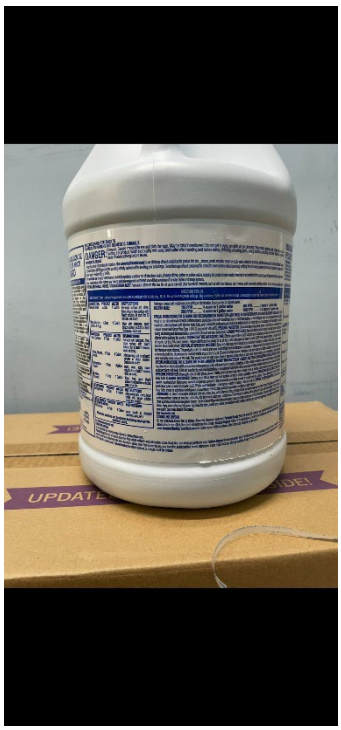
Clorox Toilet Cleaner DATE: 4/17/2025



Clorox Toilet Cleaner DATE: 4/17/2025



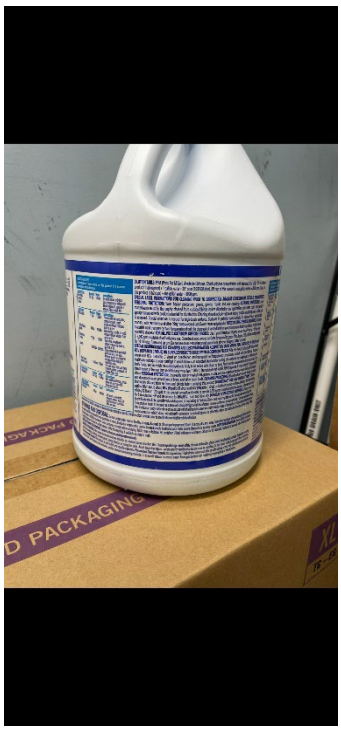
Arocep Ultra Bleach DATE: 4/17/2025



Arocep Ultra Bleach DATE: 4/17/2025



Pure Bright Bleach DATE: 4/17/2025



Pure Bright Bleach DATE: 4/17/2025



Glass cleaner DATE: 4/17/2025



Glass cleaner DATE: 4/17/2025



Sprayon Chain Lubricant DATE: 4/17/2025



Sprayon Chain Lubricant DATE: 4/17/2025



LPS Silicone Lubricant DATE: 4/17/2025

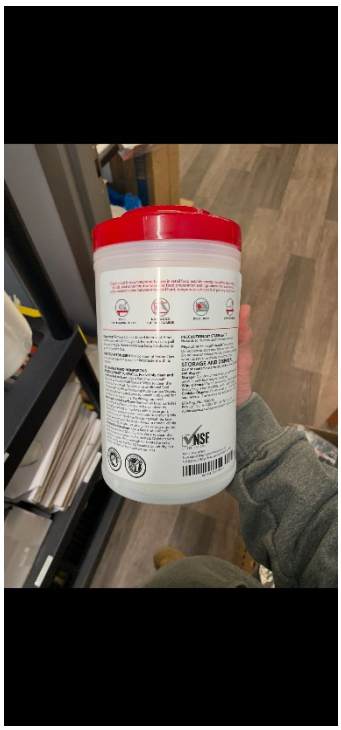




LPS Silicone Lubricant DATE: 4/17/2025



Sanitizing wipes DATE: 4/17/2025



Sanitizing wipes DATE: 4/17/2025



DAP Expanding Sealant DATE: 4/17/2025





DAP Expanding Sealant DATE: 4/17/2025

401813 Tork Hand Sanitizing Alcohol-Free Foam

Safety Data Sheet

Date of issue: 01/30/2023 Revision date: N/A Version: 0

SECTION 1: Identification

1.1. Product identifier

Product Name 401813 Tork Hand Sanitizing Alcohol-Free Foam

Alternate Names 401813 Tork Hand Sanitizing Alcohol-Free Foam

1.2. Recommended use of the chemical and restictions on use

Recommended use Hand sanitizer - Foam

Restriction on use Use only as directed.

1.3. Details of the supplier of the safety data sheet

Company Name Essity Professional Hygiene North America

P.O. Box 2400
Neenah, WI 54957-2400

1.4. Emergency telephone number

CHEMTREC 1-800-424-9300 (24-Hour)

Customer Service: Essity Professional Hygiene North America 1-866-722-8675

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not classified.
The product contains no substances which at their given concentration, are considered to be hazardous to health

2.2. GHS Label elements, including precautionary statements

Hazard statements
Not classified.

2.3. Other information

Causes mild skin irritation.

Unknown acute toxicity 0 % of the mixture consists of ingredient(s) of unknown toxicity
0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable.

3.2. Mixture

Chemical name	CAS No	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Benzalkonium Chloride 0.13% w/w	68391-01-5	0.1 - 1	-	-
Water	7732-18-5	80 - 100	-	-
Lactic Acid	50-21-5	1 - 5	-	-
Triethanolamine	102-71-6	1 - 5	-	-
Cocamidopropyl Betaine	61789-40-0	0.1 – 1	-	-
Sodium Cocoamphoacetate	68390-66-9	0.1 - 1	-	-
Phenoxyethanol	122-99-6	0.1 - 1	-	-
Propylene Glycol	57-55-6	0.1 - 1	-	-

Public

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Remove to fresh air.
Eyes	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin	Wash skin with soap and water.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.
Specific hazards arising from the chemical	No information available.
Hazardous Combustion Products	Carbon oxides.
Explosion Data	
Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measure

6.1. Personal precautions, protective equipment and emergency procedure

Avoid contact with eyes.

6.2. Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits There is no exposure data pertaining to the Product. This section reflects exposure data pertaining to individual ingredients.

Exposure

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Triethanolamine 102-71-6	TWA: 5 mg/m^3	-	

Chemical name	Alberta	British Columbia	Ontario TWAEV	Quebec
Triethanolamine	TWA: 5 mg/m^3	TWA: 5 mg/m^3	TWA: 0.5 ppm	TWA: 5 mg/m^3

102-71-6			TWA: 3.1 mg/m^3	
Phenoxyethanol 122-99-6	-	-	TWA: 25 ppm TWA: 141 mg/m^3 Skin	-
Propylene Glycol 57-55-6	-	-	TWA: 10 mg/m^3 TWA: 50 ppm TWA: 155 mg/m^3	-

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

8.2. Protection measures

Engineering controls Showers
Eyewash stations
Ventilation systems.

Eye/face protection No special protective equipment required.

Skin and body protection No special protective equipment required.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Water-Thin Liquid

Appearance Clear, Colorless to Light Yellow, Water-Thin Liquid

Odor Fragrance Free

Color Colorless to Light Yellow

Odor Threshold No data available

Property	Values	Remarks Method
pH	3.8	-
Melting / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash Point	No data available	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air	-	None known
Upper flammability limit	No data available	-
Lower flammability limit	No data available	-
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	1.007	-
Water Solubility	No data available	-
Solubility(ies)	No data available	None known
Partition coefficient: n-octanol/water	0	-
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known

9.2. Other information

Explosive properties	No information available
Oxidizing properties	No information available
Softening Point	No information available
Molecular Weight	No information available
VOC Content (%)	No information available
Liquid Density	No information available
Bulk Density	No information available
Particle Size	No information available
Particle Size Distribution	No information available

SECTION 10: Stability and reactivity

10.1. Reactivity
No data available.

10.2. Chemical stability
Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions
None under normal processing.

10.4. Hazardous Polymerization
Hazardous polymerization does not occur.

10.5. Conditions to avoid
None known.

10.6. Incompatible materials
None known.

10.7. Hazardous decomposition products
Carbon oxides.

When used in accordance with the directions

SECTION 11: Toxicological information

There is no data for this product. The information included in this section describes the potential hazards of the individual ingredients.

11.1. Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available.
Eye contact	Specific test data for the substance or mixture is not available.
Skin contact	Specific test data for the substance or mixture is not available.
Ingestion	Specific test data for the substance or mixture is not available.

11.2 Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	No information available

11.3 Numerical measures of toxicity

Acute toxicity

Unknown acute toxicity. 0 % of the mixture consists of ingredient(s) of unknown toxicity
0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Product Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Benzalkonium Chloride	= 850 mg/kg (Rat)	= 2300 mg/kg (Rabbit)	-
Water	> 90 mL/kg (Rat)	-	-
Lactic Acid	= 3543 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 7.94 mg/L (Rat) 4 h
Triethanolamine	= 4190 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-
Cocamidopropyl Betaine	> 10000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-
Phenoxyethanol	= 1850 mg/kg (Rat)	= 5 mL/kg (Rabbit)	> 0.057 mg/L (Rat) 8 h
Propylene Glycol	= 20 g/kg (Rat)	= 20800 mg/kg (Rabbit)	-

11.4 Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation No information available

Serious eye damage/eye irritation No information available

Respiratory or skin sensitization No information available

Germ cell mutagenicity No information available

Carcinogenicity The table below indicates whether each agency has listed any ingredients as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Triethanolamine 102-71-6	-	Group 3 - Not Classifiable as to Carcinogenicity in Humans	-	-

Reproductive toxicity No information available

STOT - single exposure No information available

STOT - repeated exposure No information available

Aspiration hazard No information available

SECTION 12: Ecological information

12.1. Toxicity

There is no ecological data on the Product. The Product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices.

12.2. Ecotoxicity

The environmental impact of this product has not been fully investigated.

12.3. Persistence and Degradability

No information available.

12.4. Bioaccumulation

No information available.

12.5. Mobility

No information available.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Do not reuse empty containers.
California Waste Codes	311

This product contains one or more substances that are listed with the State of California as a hazardous waste.

SECTION 14: Transport information

DOT	NOT REGULATED
Proper Shipping Name	NOT REGULATED
Hazard Class	N/A
TDG	Not applicable
MEX	Not applicable
ICAO	Not applicable
IATA	Not applicable
Proper Shipping Name	NOT REGULATED
Hazard Class	N/A
IMDG/IMO	Not applicable
Hazard Class	N/A
RID	Not applicable
ADR	Not applicable
ADN	Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer	Not applicable
The Stockholm Convention on Persistent Organic Pollutants	Not applicable
The Rotterdam Convention	Not applicable

International Inventories

TSCA	All components of this product are either listed or exempt from listing on TSCA inventory.
DSL/NDSL	Contact supplier for inventory compliance status.
EINECS/ELINCS	Contact supplier for inventory compliance status.
ENCS	Contact supplier for inventory compliance status.
KECL	Contact supplier for inventory compliance status.
PICCS	Contact supplier for inventory compliance status.
AICS	Contact supplier for inventory compliance status.

Legend

TSCA	United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL	Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS	European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS	Japan Existing and New Chemical Substances
KECL	Korean Existing and Evaluated Chemical Substances
PICCS	Philippines Inventory of Chemicals and Chemical Substances
AICS	Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313 Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	CAS No	Weight-%	SARA 313 – Threshold Values %

Phenoxyethanol - 122-99-6	122-99-6	0 - 10	1.0

SARA 311/312 Hazard Categories Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

CWA (Clean Water Act) This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65 - NONE This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations
This product may contain substances regulated by state right-to-know regulations.

Chemical name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Triethanolamine 102-71-6	X	X	X	-	-
Phenoxyethanol 122-99-6	X	-	X	X	X
Propylene Glycol 57-55-6	X	-	X	-	-

SECTION 16: Other

NFPA	**Health hazards 1**	**Flammability 0**	**Instability 0**	**Physical and Chemical Properties - N/A**
HMIS	**Health hazards 1**	**Flammability 0**	**Physical hazards 0**	**Personal Protection X**

General Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Disclaimer:

The information and recommendations contained in the Safety Data Sheet (SDS) are supplied pursuant to 29 CFR 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. The information and recommendations set forth herein are presented in good faith and believed to be correct as of this date hereof.

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No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, are made hereunder with respect to information or the product to which the information refers. The information as supplied herein is simply to be informative

and intended solely to alert the user of the substance which is the subject matter of this SDS. The ultimate compliance with federal, state or local regulations concerning the use of this compound, or compliance with respect to product liability, rests solely upon the purchaser thereof.

Essity Professional Hygiene North America (Essity PHNA) markets its products for sale in the United States and Canada only. Essity PHNA makes no representations or warranties regarding compliance with any regulations or laws of any other country.

End of Document

Conforms to USDOL OSHA 29CFR 1910.1200 HAZCOM

SAFETY DATA SHEET

Professional LYSOL® Disinfectant Spray - Original

1. Product and company identification

Product name : Professional LYSOL® Disinfectant Spray - Original

Distributed by : Reckitt Benckiser LLC.
Morris Corporate Center IV
399 Interpace Parkway (P.O. Box 225)
Parsippany, New Jersey 07054-0225
+1 973 404 2600

Reckitt Benckiser (Canada) Inc.
1680 Tech Avenue, Unit #2
Mississauga, Ontario L4W 5S9
CANADA
Telephone: +1 905 283 7000

Emergency telephone number (Medical) : 1-800-338-6167

Emergency telephone number (Transport) : 1-800-424-9300 (U.S. & Canada) CHEMTREC
Outside U.S. and Canada (North America), call Chemtrec:703-527-3887

Website: : **http://www.rbnainfo.com**

Product use : Disinfectant. Surface cleaning Consumer use

This SDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is greater potential for large-scale or prolonged exposure, in accordance with the requirements of USDOL Occupational Safety and Health Administration.

This SDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulations, and shown in Section 15 of this SDS.

SDS # : D8403460

Formulation # : FF0175933

EPA ID No. : 777-99-675

Relevant identified uses of the substance or mixture and uses advised against

Identified uses
Disinfectant. Consumer uses

2. Hazards identification

Classification of the substance or mixture : FLAMMABLE AEROSOLS - Category 1
GASES UNDER PRESSURE - Compressed gas
EYE IRRITATION - Category 2B

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
Causes eye irritation.

Precautionary statements

General : Not applicable.

Prevention : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Wash hands thoroughly after handling. Pressurized container: Do not pierce or burn, even after use.

Response : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

Storage : Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 50 °C/122 °F.

Disposal : Not applicable.

Supplemental label elements : None known.

Hazards not otherwise classified : None known.

3. Composition/information on ingredients

Substance/mixture : Mixture

Ingredient name	%	CAS number
Ethanol	30 - 60	64-17-5
Butane	5 - 10	106-97-8
propane	1 - 5	74-98-6

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

4. First aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : Causes eye irritation.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:
irritation
watering
redness

Inhalation : Adverse symptoms may include the following:
respiratory tract irritation
coughing

Skin contact : No specific data.

Ingestion : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : Extremely flammable aerosol. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurized contents and propellant. If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

6. Accidental release measures

Large spill : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing gas. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous.

Conditions for safe storage, including any incompatibilities : Do not store above the following temperature: 50°C (122°F). Store in accordance with local regulations. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Protect from sunlight. Eliminate all ignition sources. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Recommended Storage Temperature for 2 weeks : 18.6 °C

8. Exposure controls/personal protection

Control

Occupational exposure limits

Ingredient name	Exposure limits
Ethyl alcohol	**ACGIH TLV (United States, 1/2022).** STEL: 1000 ppm 15 minutes. **OSHA PEL 1989 (United States, 3/1989).** TWA: 1000 ppm 8 hours. TWA: 1900 mg/m³ 8 hours. **NIOSH REL (United States, 10/2020).** TWA: 1000 ppm 10 hours. TWA: 1900 mg/m³ 10 hours. **OSHA PEL (United States, 5/2018).** TWA: 1000 ppm 8 hours. TWA: 1900 mg/m³ 8 hours.
butane	**OSHA PEL 1989 (United States, 3/1989).** TWA: 800 ppm 8 hours. TWA: 1900 mg/m³ 8 hours. **NIOSH REL (United States, 10/2020).** TWA: 800 ppm 10 hours. TWA: 1900 mg/m³ 10 hours.

8. Exposure controls/personal protection

	ACGIH TLV (United States, 1/2022). **[Butane] Explosive potential.** STEL: 1000 ppm 15 minutes.
propane	**OSHA PEL 1989 (United States, 3/1989).** TWA: 1800 mg/m³ 8 hours. TWA: 1000 ppm 8 hours. **NIOSH REL (United States, 10/2020).** TWA: 1000 ppm 10 hours. TWA: 1800 mg/m³ 10 hours. **OSHA PEL (United States, 5/2018).** TWA: 1000 ppm 8 hours. TWA: 1800 mg/m³ 8 hours. **ACGIH TLV (United States, 1/2022). Oxygen Depletion [Asphyxiant]. Explosive potential.**

Appropriate engineering controls : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

8. Exposure controls/personal protection

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state : Liquid. [Aerosol.]

Color : Clear.

Odor : Fragrant.

Odor threshold : Not available.

pH : 10.5 to 11.8 [Conc. (% w/w): 100%]

Melting point/freezing point : Not available.

Boiling point, initial boiling point, and boiling range : Not available.

Flash point : Closed cup: 18.6°C (65.5°F) [Flammable.]

Evaporation rate : Not available.

Flammability : Not available.

Lower and upper explosion limit/flammability limit : Not available.

Vapor pressure : Not available.

Relative vapor density : Not available.

Relative density : 0.8667 to 0.8697

Solubility(ies) :

Media	Result
cold water hot water	Easily soluble Easily soluble

Solubility in water : Not available.

Partition coefficient: n-octanol/water : Not applicable.

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Heat of combustion : 17.99 kJ/g

Viscosity : Not available.

Particle characteristics

Median particle size : Not applicable.

Aerosol product

Type of aerosol : Spray

10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : Avoid all possible sources of ignition (spark or flame).

Incompatible materials : No specific data.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Pro LDS Original Scent_FF0175933 (D8403460) NA	LC50 Inhalation Vapor	Rat - Male, Female	>2.75 mg/l	4 hours
	LD50 Dermal	Rat - Male	>5000 mg/kg	-
	LD50 Oral	Rat - Male	>5000 mg/kg	-
Ethanol	LC50 Inhalation Vapor	Rat	124700 mg/m³	4 hours
	LD50 Oral	Rat	7 g/kg	-
Butane	LC50 Inhalation Vapor	Rat	658000 mg/m³	4 hours

Conclusion/Summary : Not harmful. Bridging principle "Substantially similar mixtures"

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Pro LDS Original Scent_FF0175933 (D8403460) NA	Eyes - Mild irritant	Rabbit	-	-	21 days
	Skin - Primary dermal irritation index (PDII)	Rabbit	0	-	21 days
Ethanol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Eyes - Moderate irritant	Rabbit	-	0.066666667 minutes 100 mg	-
	Eyes - Moderate irritant	Rabbit	-	100 uL	-
	Skin - Mild irritant	Rabbit	-	400 mg	-
	Skin - Moderate irritant	Rabbit	-	24 hours 20 mg	-

Conclusion/Summary

Skin : Non-irritant to skin. Bridging principle "Substantially similar mixtures"

Eyes : Irritating to eyes. Bridging principle "Substantially similar mixtures"

Respiratory : Based on available data, the classification criteria are not met.

Sensitization

11. Toxicological information

Product/ingredient name	Route of exposure	Species	Result
Pro LDS Original Scent_FF0175933 (D8403460) NA	skin	Guinea pig	Not sensitizing

Conclusion/Summary

Skin : Non-sensitizer. Bridging principle "Substantially similar mixtures"

Respiratory : Based on available data, the classification criteria are not met.

Mutagenicity

Not available.

Conclusion/Summary : Based on available data, the classification criteria are not met.

Carcinogenicity

Not available.

Conclusion/Summary : Based on available data, the classification criteria are not met.

Classification

Product/ingredient name	OSHA	IARC	NTP
Ethanol	-	1	-

Reproductive toxicity

Not available.

Conclusion/Summary : Based on available data, the classification criteria are not met.

Teratogenicity

Not available.

Conclusion/Summary : Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : Causes eye irritation.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

11. Toxicological information

Eye contact : Adverse symptoms may include the following:
irritation
watering
redness

Inhalation : Adverse symptoms may include the following:
respiratory tract irritation
coughing

Skin contact : No specific data.

Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

Conclusion/Summary : Based on available data, the classification criteria are not met.

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
Ethanol	7000	N/A	N/A	124.7	N/A
Butane	N/A	N/A	N/A	658	N/A

12. Ecological information

Toxicity

12. Ecological information

Product/ingredient name	Result	Species	Exposure
Ethanol	Acute EC50 3306 mg/l Marine water	Algae - Ulva pertusa	96 hours
	Acute EC50 1074 mg/l Fresh water	Crustaceans - Cypris subglobosa	48 hours
	Acute LC50 5680 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 11000000 µg/l Marine water	Fish - Alburnus alburnus	96 hours
	Chronic NOEC 4.995 mg/l Marine water	Algae - Ulva pertusa	96 hours
	Chronic NOEC 100 ul/L Fresh water	Daphnia - Daphnia magna - Neonate	21 days

Conclusion/Summary : Based on available data, the classification criteria are not met.

Persistence and degradability

Conclusion/Summary : Based on available data, the classification criteria are not met.

Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
Ethanol	-0.35	-	low
Butane	2.89	-	low
propane	1.09	-	low

Mobility in soil

Soil/water partition coefficient (K_{OC}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Do not puncture or incinerate container.

14. Transport information

	DOT Classification	TDG Classification	IMDG	IATA
UN number	UN1950	UN1950	UN1950	UN1950
UN proper shipping name	Aerosols	AEROSOLS	AEROSOLS	Aerosols, flammable

14. Transport information

Transport hazard class(es)	2.1 	2.1 	2.1 	2.1 
Packing group	-	-	-	-
Environmental hazards	No.	No.	No.	No.

Additional information

DOT Classification : **Limited quantity**

TDG Classification : **Limited quantity**

IMDG : **Limited quantity**

IATA : **Limited quantity**

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to IMO instruments : Not available.

15. Regulatory information

U.S. Federal regulations :

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : 343638.1 lbs / 156011.7 kg [47470.6 gal / 179695.6 L]

SARA 311/312

Classification : FLAMMABLE AEROSOLS - Category 1
GASES UNDER PRESSURE - Compressed gas
EYE IRRITATION - Category 2B

Composition/information on ingredients

15. Regulatory information

Name	%	Classification
Ethanol	30 - 60	FLAMMABLE LIQUIDS - Category 2 EYE IRRITATION - Category 2A
Butane	5 - 10	FLAMMABLE GASES - Category 1 GASES UNDER PRESSURE - Compressed gas
propane	1 - 5	FLAMMABLE GASES - Category 1 GASES UNDER PRESSURE - Compressed gas

State regulations

Massachusetts : The following components are listed: Ethanol; Butane; PROPANE

New York : None of the components are listed.

New Jersey : The following components are listed: Ethanol; Butane; PROPANE

Pennsylvania : The following components are listed: Ethanol; Butane; PROPANE

California Prop. 65

⚠ This product does not require a Safe Harbor warning under California Prop. 65.

Label elements

CCCR

Signal word : CAUTION

Hazard statements : Causes moderate eye irritation. FLAMMABLE CONTENTS UNDER PRESSURE

Precautionary measures : KEEP OUT OF REACH OF CHILDREN. Do not spray in eyes, on skin or on clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Keep away from heat, sparks and open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting.

EPA

Signal word: : CAUTION

Hazard statements : Causes moderate eye irritation. EXTREMELY FLAMMABLE. CONTAINER MAY EXPLODE IF HEATED.

Special Inert substance. :

Precautionary measures : KEEP OUT OF REACH OF CHILDREN. Do not spray in eyes, on skin or on clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Keep away from heat, sparks and open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting.

Skin sensitizer :

Additional information / Recommendations

Additional information : No known significant effects or critical hazards.

Recommendations : No known significant effects or critical hazards.

15. Regulatory information

Recommendations : No known significant effects or critical hazards.

16. Other information

Hazardous Material Information System (U.S.A.)

Health	/	1
Flammability		3
Physical hazards		0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

National Fire Protection Association (U.S.A.)



NFPA (30B) aerosol Flammability Level I

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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

Date of issue : 3/17/2023

Date of previous issue : No previous validation

Version : 1

16. Other information

Prepared by : Reckitt Benckiser India Ltd
Plot No 48
Sector - 32
Institutional Area
Gurgaon, Haryana
India - 122001

Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

RB is a member of the CSPA Product Care Product Stewardship Program.

SAFETY DATA SHEET

Issuing Date January 5, 2015 **Revision Date** New **Revision Number** 0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name **Clorox® Toilet Bowl Cleaner - with Bleach - Fresh Scent**

Other means of identification

EPA Registration Number 5813-89

Recommended use of the chemical and restrictions on use

Recommended use Disinfecting toilet bowl cleaner with bleach

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Address
The Clorox Company
1221 Broadway
Oakland, CA 94612

Phone: 1-510-271-7000

Emergency telephone number

Emergency Phone Numbers For Medical Emergencies, call: 1-800-446-1014
For Transportation Emergencies, call Chemtrec: 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1

GHS Label elements, including precautionary statements

Emergency Overview

Signal word **Danger**

Hazard Statements
Causes severe skin burns and eye damage
Causes serious eye damage



Appearance Clear, green **Physical State** Viscous liquid **Odor** Crisp, green, floral, bleach

Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling.
Wear protective gloves, protective clothing, face protection, and eye protection such as safety glasses.

Precautionary Statements - Response
Immediately call a poison center or doctor.
If swallowed: Rinse mouth. Do NOT induce vomiting.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
Wash contaminated clothing before reuse.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
Specific treatment (see supplemental first aid instructions on this label).
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Precautionary Statements - Storage
Store locked up.

Precautionary Statements - Disposal
Dispose of contents in accordance with all applicable federal, state, and local regulations.

Hazards not otherwise classified (HNOC)
Although not expected, heart conditions or chronic respiratory problems such as asthma, chronic bronchitis, or obstructive lung disease may be aggravated by exposure to high concentrations of vapor or mist.

Unknown Toxicity
0.11% of the mixture consists of ingredient(s) of unknown toxicity.

Other information
Very toxic to aquatic life.
Toxic to aquatic life with long lasting effects.

Interactions with Other Chemicals
Reacts with other household chemicals such as other toilet bowl cleaners, rust removers, acids, or products containing ammonia to produce hazardous irritating gases, such as chlorine and other chlorinated compounds.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade Secret
Sodium hypochlorite	7681-52-9	1 - 5	*
Sodium cocoate	91032-12-1	0.5 - 1.5	*
Sodium hydroxide	1310-73-2	0.1 - 1	*
Myristamine oxide	3332-27-2	0.1 - 1	*
Lauramine oxide	1643-20-5	0.1 - 1	*

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures

General Advice Call a poison control center or doctor immediately for treatment advice. Show this safety data sheet to the doctor in attendance.

Eye Contact Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin Contact Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Inhalation Move to fresh air. If breathing is affected, call a doctor.

Ingestion Call a poison control center or doctor immediately for treatment advice. Have person sip a glassful of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Protection of First-aiders Avoid contact with skin, eyes, and clothing. Use personal protective equipment as required. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects Burning of eyes and skin.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically. Use of gastric lavage or emesis is contraindicated.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media
CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical
This product causes burns to eyes, skin, and mucous membranes. Thermal decomposition can release sodium chlorate and irritating gases and vapors.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with eyes, skin, and clothing. Ensure adequate ventilation. Use personal protective equipment as required. For spills of multiple products, responders should evaluate the MSDSs of the products for incompatibility with sodium hypochlorite. Breathing protection should be worn in enclosed and/or poorly-ventilated areas until hazard assessment is complete.

Other Information Refer to protective measures listed in Sections 7 and 8.

Environmental precautions

Environmental Precautions See Section 12 for ecological Information.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes, and clothing. Do not eat, drink, or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Store in a location inaccessible to children. Tightly close cap between uses.

Incompatible Products Other toilet bowl cleaners, rust removers, acids, or products containing ammonia.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m^3	TWA: 2 mg/m^3	IDLH: 10 mg/m^3 Ceiling: 2 mg/m^3
Sodium hypochlorite 7681-52-9	None	None	None
Sodium cocoate 91032-12-1	None	None	None
Myristamine oxide 3332-27-2	None	None	None
Lauramine oxide 1643-20-5	None	None	None

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection If splashes are likely to occur: Wear safety glasses with side shields (or goggles) or face shield.

Skin and Body Protection Wear rubber or neoprene gloves and protective clothing such as long-sleeved shirt.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures Wash hands after direct contact. Do not wear product-contaminated clothing for prolonged periods. Remove and wash contaminated clothing before re-use. Do not eat, drink, or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Viscous liquid		
Appearance	Clear	**Odor**	Crisp, green, floral, bleach
Color	Pale green	**Odor Threshold**	No information available

Property	**Values**	**Remarks/ Method**
pH	12.5 - 13.5	None known
Melting/freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash Point	Not flammable	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
Upper flammability limit	No data available	None known
Lower flammability limit	No data available	None known
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	~1.05	None known
Water Solubility	Soluble in water	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	~1000 cP	None known
Explosive Properties	Not explosive	
Oxidizing Properties	No data available	

Other Information

Softening Point	No data available
VOC Content (%)	No data available
Particle Size	No data available
Particle Size Distribution	No data available

10. STABILITY AND REACTIVITY

Reactivity
Reacts with other household chemicals such as other toilet bowl cleaners, rust removers, acids, or products containing ammonia to produce hazardous irritating gases, such as chlorine and other chlorinated compounds.

Chemical stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal processing.

Conditions to avoid
None known based on information supplied.

Incompatible materials
Other toilet bowl cleaners, rust removers, acids, or products containing ammonia.

Hazardous Decomposition Products
None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information .

Inhalation Exposure to vapor or mist may irritate respiratory tract and cause coughing. Inhalation of high concentrations may cause pulmonary edema.

Eye Contact Corrosive. May cause severe damage to eyes.

Skin Contact May cause severe irritation to skin. Prolonged contact may cause burns to skin.

Ingestion Ingestion may cause burns to gastrointestinal tract and respiratory tract, nausea, vomiting, and diarrhea.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium hypochlorite 7681-52-9	8200 mg/kg (Rat)	>10000 mg/kg (Rabbit)	-
Sodium hydroxide 1310-73-2	-	1350 mg/kg (Rabbit)	-

Information on toxicological effects

Symptoms May cause redness and tearing of the eyes. May cause burns to eyes. May cause redness or burns to skin. Inhalation may cause coughing.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.

Mutagenic Effects No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Sodium hypochlorite 7681-52-9	-	Group 3	-	-

IARC (International Agency for Research on Cancer)
Group 3 - Not Classifiable as to Carcinogenicity in Humans

Reproductive Toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.
Chronic Toxicity Carcinogenic potential is unknown.
Target Organ Effects Respiratory system, eyes, skin, gastrointestinal tract (GI).

Aspiration Hazard No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document
No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity
Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Persistence and Degradability
No information available.

Bioaccumulation
No information available.

Other adverse effects
No information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods
Dispose of in accordance with all applicable federal, state, and local regulations.

Contaminated Packaging
Do not reuse empty containers. Dispose of in accordance with all applicable federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT LIMITED QUANTITY.

TDG

UN-No	UN1760
Proper Shipping Name	CORROSIVE LIQUID, N.O.S.
Hazard Class	8
Packing Group	II
Description	UN1760, CORROSIVE LIQUID, N.O.S. (SODIUM HYPOCHLORITE, SODIUM HYDROXIDE), 8, II, MARINE POLLUTANT

ICAO

UN-No	UN1760
Proper Shipping Name	CORROSIVE LIQUID, N.O.S.
Hazard Class	8
Packing Group	II
Description	UN1760, CORROSIVE LIQUID, N.O.S. (SODIUM HYPOCHLORITE, SODIUM HYDROXIDE), 8, II, MARINE POLLUTANT

IATA

UN-No	UN1760
Proper Shipping Name	CORROSIVE LIQUID, N.O.S.
Hazard Class	8
Packing Group	II
Description	UN1760, CORROSIVE LIQUID, N.O.S. (SODIUM HYPOCHLORITE, SODIUM HYDROXIDE), 8, II, MARINE POLLUTANT

IMDG/IMO

UN-No	UN1760
Proper Shipping Name	CORROSIVE LIQUID, N.O.S.
Hazard Class	UN1760
Packing Group	CORROSIVE LIQUID, N.O.S.
EmS No.	F-A, S-B
Marine Pollutant	Product is a marine pollutant according to the criteria set by IMDG/IMO
Description	UN1760, CORROSIVE LIQUID, N.O.S. (SODIUM HYPOCHLORITE, SODIUM HYDROXIDE), 8, II, MARINE POLLUTANT

15. REGULATORY INFORMATION

Chemical Inventories

TSCA	All components of this product are either on the TSCA 8(b) Inventory or otherwise exempt from listing.
DSL/NDSL	All components are on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act
This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hypochlorite 7681-52-9	100 lb			X
Sodium hydroxide 1310-73-2	1000 lb			X

CERCLA
This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Sodium hypochlorite 7681-52-9	100 lb	–	RQ 100 lb final RQ RQ 45.4 kg final RQ
Sodium hydroxide 1310-73-2	1000 lb	–	RQ 1000 lb final RQ RQ 454 kg final RQ

EPA Statement
This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

> **DANGER: CORROSIVE.** Causes irreversible eye damage. Causes skin irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not get in eyes, on skin, or on clothing. For prolonged use, wear gloves. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse. Use only in well-ventilated areas.

US State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Sodium hypochlorite 7681-52-9	X	X	X	X	
Sodium hydroxide 1310-73-2	X	X	X	X	

International Regulations

Canada
WHMIS Hazard Class
E - Corrosive material



16. OTHER INFORMATION

NFPA	**Health Hazard**	3	**Flammability** 0	**Instability** 0	**Physical and Chemical Hazards**	-
HMIS	**Health Hazard**	3	**Flammability** 0	**Physical Hazard** 0	**Personal Protection**	B

Prepared By
Product Stewardship
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

Revision Date New

Revision Note New

Reference 1088678/50916001.002

General Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

Safety Data Sheet

Issue Date: 23-10-2019 **Revision Date:** **Version** 1

1. IDENTIFICATION

Product Identifier
Product Name AROCEP GERMICIDAL ULTRA 6.0% Bleach

Other means of identification
SDS # CPD-007AR

Registration Number(s) EPA Registration: 55852-5

Recommended use of the chemical and restrictions on use
Recommended Use Bleach.

Details of the supplier of the safety data sheet
Supplier Address
Champion Packaging & Distribution
1840 International pkwy
Woodbridge, IL 60517

Emergency Telephone Number
Company Phone Number 630-972-0100
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Clear to yellow liquid **Physical State** Liquid **Odor** Pungent, irritating, that of household bleach

Classification

Skin corrosion/irritation	Category 1 Sub-category C
Serious eye damage/eye irritation	Category 1

Signal Word
Danger

Hazard Statements
Causes severe skin burns and eye damage



Precautionary Statements - Prevention
Do not breathe dust/fume/gas/mist/vapors/spray
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response
Immediately call a poison center or doctor/physician
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a poison center or doctor/physician
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Immediately call a poison center or doctor/physician
IF SWALLOWED: rinse mouth. Do NOT induce vomiting

Precautionary Statements - Storage
Store locked up

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Other Hazards
Very toxic to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Sodium hypochlorite	7681-52-9	1-10

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

General Advice Immediately call a poison center or doctor/physician.

Eye Contact Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye. Immediately call a poison center or doctor/physician.

Skin Contact Immediately flush with soap and water.

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.

Ingestion Immediately call a poison center or doctor/physician. Rinse mouth. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Never give anything by mouth to an unconscious person.

Most important symptoms and effects

Symptoms Causes severe skin burns and eye damage. Respiratory tract irritant. Ingestion can cause corrosion of the mucous membranes.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical
Not considered to be a fire hazard. Not considered to be an explosion hazard.

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Use personal protective equipment as required.
Environmental Precautions	See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Clean-Up	Move unprotected personnel upwind out of danger. Dilute with water and flush to local sewer system, if permitted. Solid waste must be disposed of in a permitted waste management facility. Ensure compliance with local, state and federal regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling	Handle in accordance with good industrial hygiene and safety practice. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing and eye/face protection.

Conditions for safe storage, including any incompatibilities

Storage Conditions	Store locked up. Store in a cool, dry, well-ventilated place. Protect container from physical damage. Store away from incompatible materials.
Incompatible Materials	Reacts vigorously with Amine, Ammonium Acetate, Ammonium Oxalate, Acids and most organics.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Appropriate engineering controls

Engineering Controls	Local exhaust ventilation recommended. Eyewash stations. Showers.

Individual protection measures, such as personal protective equipment

Eye/Face Protection	Use chemical safety goggles impervious to product. Contact lenses should not be worn when working with this material.
Skin and Body Protection	Wear impervious protective clothing including boots, gloves, lab coat, apron, or coveralls to prevent skin contact.

Respiratory Protection (NIOSH Approved) Recommended for all personnel working in or about an area of potential exposure.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid		
Appearance	Clear to yellow liquid	**Odor**	Pungent, irritating, that of household bleach
Color	Clear to yellow	**Odor Threshold**	Not determined

Property	**Values**	**Remarks • Method**
pH	12.75	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	Decomposes prior to boiling	
Flash Point	Not determined	
Evaporation Rate	Not Applicable	
Flammability (Solid, Gas)	Liquid- Not applicable	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Approximately that of air	
Vapor Density	Not determined	
Specific Gravity	1.096	at 15.6°C (60°F)
Water Solubility	Completely soluble	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal conditions.

Chemical Stability
Stable under ordinary conditions of use and storage. Unstable at elevated temperatures.

Possibility of Hazardous Reactions
None under normal processing.

Hazardous Polymerization This substance does not polymerize.

Conditions to Avoid
Excessive heat and fire. Incompatible Materials.

Incompatible Materials
Reacts vigorously with Amine, Ammonium Acetate, Ammonium Oxalate, Acids and most organics.

Hazardous Decomposition Products
Decomposes under various mechanisms. May generate chlorine or oxygen which can be toxic and explosive, respectively.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Causes severe eye damage.

Skin Contact Causes severe skin burns.

Inhalation Do not inhale.

Ingestion Do not ingest.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium hypochlorite 7681-52-9	= 8200 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	-

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Group 3 IARC components are "not classifiable as human carcinogens".

Chemical Name	ACGIH	IARC	NTP	OSHA
Sodium hypochlorite 7681-52-9		Group 3		

Legend

IARC (International Agency for Research on Cancer)

Group 3 IARC components are "not classifiable as human carcinogens"

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic life with long lasting effects.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium hypochlorite 7681-52-9	0.095: 24 h Skeletonema costatum mg/L EC50	0.06 - 0.11: 96 h Pimephales promelas mg/L LC50 flow-through 4.5 - 7.6: 96 h Pimephales promelas mg/L LC50 static 0.4 - 0.8: 96 h Lepomis macrochirus mg/L LC50 static 0.28 - 1: 96 h Lepomis macrochirus mg/L LC50 flow-through 0.05 - 0.771: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.03 - 0.19: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 0.18 - 0.22: 96 h Oncorhynchus mykiss mg/L LC50 static		2.1: 96 h Daphnia magna mg/L EC50 0.033 - 0.044: 48 h Daphnia magna mg/L EC50 Static

Persistence/Degradability
Not determined.

Bioaccumulation
Not determined.

Mobility
Not determined

Other Adverse Effects
Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT Not regulated

IATA
Proper Shipping Name The product as packaged is not approved for air transportation.

IMDG
UN/ID No UN3082
Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s. (Sodium hypochlorite)
Hazard Class 9
Packing Group III
Marine Pollutant Sodium hypochlorite
Description For combination packagings (e.g. boxes) containing inner packagings (e.g. bottles) of 5 L (1.33 gal) or less, the product is shipped as a limited quantity per IMDG Code Chapter 3.4.

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Sodium hypochlorite	Present	X		Present		Present	X	Present	X	X

Legend:
TSCA *- United States Toxic Substances Control Act Section 8(b) Inventory*
DSL/NDSL *- Canadian Domestic Substances List/Non-Domestic Substances List*
EINECS/ELINCS *- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
ENCS *- Japan Existing and New Chemical Substances*
IECSC *- China Inventory of Existing Chemical Substances*
KECL *- Korean Existing and Evaluated Chemical Substances*
PICCS *- Philippines Inventory of Chemicals and Chemical Substances*
AICS *- Australian Inventory of Chemical Substances*

US Federal Regulations

CERCLA

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sodium hypochlorite 7681-52-9	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ

SARA 313
Not determined

CWA (Clean Water Act)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hypochlorite	100 lb			X

US State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium hypochlorite 7681-52-9	X	X	X

16. OTHER INFORMATION

NFPA	**Health Hazards**	**Flammability**	**Instability**	**Special Hazards**
	1	0	0	Not determined
HMIS	**Health Hazards**	**Flammability**	**Physical Hazards**	**Personal Protection**
	1	0	0	Not determined

Issue Date: 01-May-2007
Revision Date: 02-Dec-2014
Revision Note: New format

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

KIK CUSTOM PRODUCTS

SAFETY DATA SHEET

11-Jul-2016

1. IDENTIFICATION

Product identifier

Product Name Pure Bright Germicidal Ultra Bleach

Other means of identification

Product UPC 59647-21014

Product Code 11008635042

Recommended use of the chemical and restrictions on use

Recommended Use Disinfectant. Cleaning agent. Chlorine-based bleaching agents.

Uses advised against Do not mix with other chemicals

Details of the supplier of the safety data sheet

Manufacturer Address

KIK International LLC
33 Macintosh Blvd.
Concord, Ontario
Canada L4K 4L5
1-800-479-6603

Emergency telephone number

Emergency Telephone Poison Control Center (Medical) : (866) 366-5048
Chemtrec (Transportation) 1-800-424-9300, 703-527-3887

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1

Label elements

Emergency Overview

Danger

Hazard statements

Causes skin irritation
Causes serious eye damage



Color light yellow **Physical state** liquid **Odor** Chlorine

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response
Immediately call a POISON CENTER or doctor/physician
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a POISON CENTER or doctor/physician
IF ON SKIN: Wash with plenty of soap and water
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash before reuse

Precautionary Statements - Storage
Keep out of reach of children. Store in a well-ventilated place. Store in a closed container. Protect from sunlight.

Hazards not otherwise classified (HNOC)
Not applicable

Other Information
0% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical Name	CAS No.	Weight-%
Sodium hypochlorite	7681-52-9	6

4. FIRST AID MEASURES

Description of first aid measures

Eye contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.

Skin contact Wash skin with soap and water. If symptoms persist, call a physician.

Inhalation Remove to fresh air.

Ingestion Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically. Probable mucosal damage may contraindicate the use of gastric lavage.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media No information available.

Specific hazards arising from the chemical
No information available.

Explosion data
Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas.

Environmental precautions

Environmental precautions See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials Acids, Ammonia.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies. .

Appropriate engineering controls

Engineering Controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and body protection Wear protective gloves and protective clothing.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be

provided in accordance with current local regulations.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	liquid		
Appearance	clear, light yellow	**Odor**	Chlorine
Color	light yellow	**Odor threshold**	No information available

Property	**Values**	**Remarks • Method**
pH	12.0 - 12.5	
Melting point/freezing point	No information available	
Boiling point / boiling range	No information available	
Flash point	No information available	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Specific Gravity	~1.08	
Water solubility	Soluble in water	
Solubility in other solvents	No information available	
Partition coefficient	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	No information available	
Density	No information available	
Bulk density	No information available	
Explosive properties	No information available	
Oxidizing properties	No information available	

Other Information

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available

10. STABILITY AND REACTIVITY

Reactivity
No data available
Chemical stability
Stable under recommended storage conditions.
Possibility of Hazardous Reactions
None under normal processing.
Conditions to avoid
Do not mix with other chemicals. Extremes of temperature and direct sunlight.
Incompatible materials
Acids, Ammonia.
Hazardous Decomposition Products
None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation Inhalation of vapors in high concentration may cause irritation of respiratory system.

Eye contact Avoid contact with eyes. May cause burns.

Skin contact Avoid contact with skin. May cause irritation.

Ingestion May be harmful if swallowed.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium hypochlorite 7681-52-9	= 8200 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	-

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.
Germ cell mutagenicity No information available.
Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Sodium hypochlorite 7681-52-9	-	Group 3	-	-

IARC (International Agency for Research on Cancer)
Not classifiable as a human carcinogen

Reproductive toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration hazard No information available.

Numerical measures of toxicity - Product Information

12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic life with long lasting effects

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Sodium hypochlorite 7681-52-9	0.095: 24 h Skeletonema costatum mg/L EC50	0.06 - 0.11: 96 h Pimephales promelas mg/L LC50 flow-through 4.5 - 7.6: 96 h Pimephales promelas mg/L LC50 static 0.4 - 0.8: 96 h Lepomis macrochirus mg/L LC50 static 0.28 - 1: 96 h Lepomis macrochirus mg/L LC50 flow-through 0.05 - 0.771: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.03 - 0.19: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 0.18 - 0.22: 96 h Oncorhynchus mykiss mg/L LC50 static	0.033 - 0.044: 48 h Daphnia magna mg/L EC50 Static 2.1: 96 h Daphnia magna mg/L EC50

Persistence and degradability
No information available.

Bioaccumulation
No information available.

Mobility

No information available.

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Do not reuse container. Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

Note: Product classified as UN 3077 or UN 3082 that are shipped in containers not exceeding 5 kg or 5 L may ship as Not Subject to the provisions of the IMDG Code and Not Restricted under IATA. Refer to IMDG Ch 2.10 and IATA SP-197.

DOT Not regulated

IATA

UN/ID no.	3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SODIUM HYPOCHLORITE)
Hazard Class	9
Packing Group	III
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SODIUM HYPOCHLORITE), 9, III

IMDG

UN/ID no.	3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SODIUM HYPOCHLORITE)
Hazard Class	9
Packing Group	III
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SODIUM HYPOCHLORITE), 9, III
Marine pollutant	This material meets the definition of a marine pollutant

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/NDSL	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hypochlorite 7681-52-9	100 lb	-	-	X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sodium hypochlorite 7681-52-9	100 lb	-	RQ 100 lb final RQ RQ 45.4 kg final RQ

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium hypochlorite 7681-52-9	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number 70271-13

EPA Statement

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Difference between SDS and EPA Pesticide label

DANGER: Corrosive. May cause severe skin and eye irritation or chemical burns to broken skin. Causes eye damage. Wear safety glasses and rubber gloves when handling this product. Wash after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Avoid breathing vapors. Vacate poorly ventilated areas as soon as possible. Do not return until strong odors have dissipated.

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NFPA	**Health hazards** 2	**Flammability** 0	**Instability** 1	**Physical and Chemical Properties** -
HMIS	**Health hazards** 2	**Flammability** 0	**Physical hazards** 1	**Personal protection** B

Prepared By	Regulatory Affairs
Revision Date	11-Jul-2016
Revision Note	No information available

Disclaimer

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with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

SAFETY DATA SHEET

1. Identification

Product identifier: SW050W GLASS CLEANER

Other means of identification
SDS number: RE1000000059

Recommended restrictions
Product Use: Cleaner
Restrictions on use: Not known.

Manufacturer/Importer/Distributor Information

Manufacturer

Company Name:	Sprayway, Inc.
Address:	1000 INTEGRAM DR Pacific,MO 63069
Telephone:	630-628-3000
Fax:	

Emergency telephone number: 1-866-836-8855

2. Hazard(s) identification

Hazard Classification

Physical Hazards

Gases under pressure	Compressed gas

Label Elements

Hazard Symbol:



Signal Word: Warning

Hazard Statement: Contains gas under pressure; may explode if heated.

Precautionary Statements

Storage: Protect from sunlight. Store in a well-ventilated place.

Hazard(s) not otherwise classified (HNOC): None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Ethanol	64-17-5	1 - <5%
Ethanol, 2-butoxy-	111-76-2	1 - <5%
Propane	74-98-6	1 - <5%
Butane	106-97-8	1 - <5%
2-Propanol, 2-methyl-	75-65-0	0 - <0.1%
Acetic acid, phenylmethyl ester	140-11-4	0 - <0.1%
1,2-Benzenedicarboxylic acid, 1,2-diethyl ester	84-66-2	0 - <0.1%
Benzene, 1,1'-oxybis-	101-84-8	0 - <0.1%
Ethanone, 1-phenyl-	98-86-2	0 - <0.1%
Stoddard solvent	8052-41-3	0 - <0.1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

Inhalation: Move to fresh air.

Skin Contact: Wash skin thoroughly with soap and water. If skin irritation occurs: Get medical advice/attention.

Eye contact: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.

Most important symptoms/effects, acute and delayed

Symptoms: No data available.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: No data available.

5. Fire-fighting measures

General Fire Hazards: Use water spray to keep fire-exposed containers cool. Fight fire from a protected location. Stop flow of gas. Move containers from fire area if you can do so without risk.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical:	Pressurized container may explode when exposed to heat or flame.

Special protective equipment and precautions for firefighters

Special fire fighting procedures:	No data available.
Special protective equipment for fire-fighters:	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	No data available.
Methods and material for containment and cleaning up:	Stop the flow of material, if this is without risk. Absorb with sand or other inert absorbent.
Environmental Precautions:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages.

7. Handling and storage

Precautions for safe handling:	Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities:	Protect from sunlight. Store in a cool place. Aerosol Level 1

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Ethanol	TWA PEL	1,000 ppm 1,900 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	REL	1,000 ppm 1,900 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)

	PEL	1,000 ppm	1,900 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	1,000 ppm	1,900 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	1,000 ppm	1,900 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	STEL	1,000 ppm		US. ACGIH Threshold Limit Values (2009)
	AN ESL		1,880 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL		10,000 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	AN ESL		1,000 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL		18,800 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
Ethanol, 2-butoxy-	TWA	20 ppm		US. ACGIH Threshold Limit Values (2008)
	TWA	25 ppm	120 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	REL	5 ppm	24 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL	50 ppm	240 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA PEL	20 ppm	97 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	TWA	25 ppm	120 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	AN ESL		760 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	AN ESL		3,700 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL		2,900 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL		600 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
Propane	REL	1,000 ppm	1,800 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL	1,000 ppm	1,800 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA PEL	1,000 ppm	1,800 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	TWA	1,000 ppm	1,800 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	TWA	1,000 ppm	1,800 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
Butane	REL	800 ppm	1,900 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	TWA	800 ppm	1,900 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	STEL	1,000 ppm		US. ACGIH Threshold Limit Values (03 2018)
	TWA	800 ppm	1,900 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	AN ESL		3,000 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	AN ESL		7,100 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	TWA PEL	800 ppm	1,900 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)

	ST ESL		66,000 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL		28,000 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
2-Propanol, 2-methyl-	STEL	150 ppm	450 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	REL	100 ppm	300 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	TWA	100 ppm	300 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	150 ppm	450 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	150 ppm	450 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	TWA PEL	100 ppm	300 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	TWA	100 ppm	300 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	STEL	150 ppm	450 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	ST ESL		200 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	AN ESL		20 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	AN ESL		62 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	PEL	100 ppm	300 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	100 ppm		US. ACGIH Threshold Limit Values (2008)
	ST ESL		620 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
Acetic acid, phenylmethyl ester	TWA	10 ppm		US. ACGIH Threshold Limit Values (2008)
	TWA PEL	10 ppm	61 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	ST ESL		100 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	AN ESL		10 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL		610 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	AN ESL		61 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
1,2-Benzenedicarboxylic acid, 1,2-diethyl ester	REL		5 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	TWA		5 mg/m3	US. ACGIH Threshold Limit Values (2008)
	TWA PEL		5 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	TWA		5 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA		5 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	ST ESL		50 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	AN ESL		5 µg/m3	US. Texas. Effects Screening Levels (Texas

				Commission on Environmental Quality) (11 2016)
Benzene, 1,1'-oxybis- - Vapor.	STEL	2 ppm		US. ACGIH Threshold Limit Values (03 2018)
	TWA	1 ppm		US. ACGIH Threshold Limit Values (03 2018)
	PEL	1 ppm	7 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA PEL	1 ppm	7 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	REL	1 ppm	7 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	TWA	1 ppm	7 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
Benzene, 1,1'-oxybis-	ST ESL		70 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	AN ESL		7 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
Benzene, 1,1'-oxybis- - Vapor.	TWA	1 ppm	7 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
Benzene, 1,1'-oxybis-	ST ESL		10 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	AN ESL		1 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
Ethanone, 1-phenyl-	TWA	10 ppm	50 mg/m3	US. OARS. WEELs Workplace Environmental Exposure Level Guide (2007)
	ST ESL		490 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	TWA	10 ppm		US. ACGIH Threshold Limit Values (2008)
	TWA PEL	10 ppm	49 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	AN ESL		49 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL		100 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	AN ESL		10 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
Stoddard solvent	TWA	100 ppm		US. ACGIH Threshold Limit Values (2008)
	REL		350 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL	500 ppm	2,900 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	Ceil_Time		1,800 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	TWA PEL	100 ppm	525 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	AN ESL		350 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	TWA	100 ppm	525 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	TWA	100 ppm	525 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	ST ESL		3,500 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL		670 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	AN ESL		67 ppb	US. Texas. Effects Screening Levels (Texas

			Commission on Environmental Quality) (11 2016)

Biological Limit Values

Chemical Identity	Exposure Limit Values	Source
Ethanol, 2-butoxy- (Butoxyacetic acid (BAA), with hydrolysis: Sampling time: End of shift.)	200 mg/g (Creatinine in urine)	ACGIH BEL (03 2013)

Appropriate Engineering Controls No data available.

Individual protection measures, such as personal protective equipment

General information: Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection: Wear goggles/face shield.

Skin Protection

Hand Protection: No data available.

Other: No data available.

Respiratory Protection: In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.

Hygiene measures: Observe good industrial hygiene practices.

9. Physical and chemical properties

Appearance

Physical state: liquid
Form: Gases under pressure Spray Aerosol
Color: No data available.
Odor: No data available.
Odor threshold: No data available.
pH: 9.1 - 10.1
Melting point/freezing point: No data available.
Initial boiling point and boiling range: Estimated 100 °C
Flash Point: No data available.
Evaporation rate: No data available.
Flammability (solid, gas): Non-flammable Aerosol
Upper/lower limit on flammability or explosive limits
Flammability limit - upper (%): No data available.
Flammability limit - lower (%): No data available.
Explosive limit - upper (%): No data available.
Explosive limit - lower (%): No data available.
Vapor pressure: 551 - 689 kPa (21 °C)

Vapor density:	No data available.
Density:	0.97 g/cm3
Relative density:	No data available.
Solubility(ies)	
Solubility in water:	No data available.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.
Incompatible Materials:	No data available.
Hazardous Decomposition Products:	No data available.

11. Toxicological information

Information on likely routes of exposure

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral
Product: ATEmix: 60,310.88 mg/kg

Dermal
Product: ATEmix: 23,039.72 mg/kg

Inhalation
Product: ATEmix: 690.85 mg/l
ATEmix : 172.71 mg/l

Repeated dose toxicity
Product: No data available.

Skin Corrosion/Irritation
Product: No data available.

Serious Eye Damage/Eye Irritation
Product: No data available.

Respiratory or Skin Sensitization
Product: No data available.

Carcinogenicity
Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:
No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:
No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):
No carcinogenic components identified

Germ Cell Mutagenicity

In vitro
Product: No data available.

In vivo
Product: No data available.

Reproductive toxicity
Product: No data available.

Specific Target Organ Toxicity - Single Exposure
Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Aspiration Hazard
Product: No data available.

Other effects: No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish
Product: No data available.

Aquatic Invertebrates
Product: No data available.

Chronic hazards to the aquatic environment:

Fish
Product: No data available.

Aquatic Invertebrates
Product: No data available.

Toxicity to Aquatic Plants
Product: No data available.

Persistence and Degradability

Biodegradation
Product: No data available.

BOD/COD Ratio
Product: No data available.

Bioaccumulative potential
Bioconcentration Factor (BCF)
Product: No data available.

Partition Coefficient n-octanol / water (log Kow)
Product: No data available.

Mobility in soil: No data available.

Known or predicted distribution to environmental compartments

Ethanol	No data available.
Ethanol, 2-butoxy-	No data available.
Propane	No data available.
Butane	No data available.
2-Propanol, 2-methyl-	No data available.
Acetic acid, phenylmethyl ester	No data available.
1,2-Benzenedicarboxylic acid, 1,2-diethyl ester	No data available.
Benzene, 1,1'-oxybis-	No data available.
Ethanone, 1-phenyl-	No data available.
Stoddard solvent	No data available.

Other adverse effects: No data available.

13. Disposal considerations

Disposal instructions: Wash before disposal. Dispose to controlled facilities.

Contaminated Packaging: No data available.

14. Transport information

DOT

UN Number:	UN 1950
UN Proper Shipping Name:	
Transport Hazard Class(es)	
Class:	2.2
Label(s):	–
Packing Group:	II
Marine Pollutant:	No
Environmental Hazards:	No
Marine Pollutant	No
Special precautions for user:	Not regulated.

IMDG

UN Number:	UN 1950
UN Proper Shipping Name:	
Transport Hazard Class(es)	
Class:	2
Label(s):	–
EmS No.:	
Packing Group:	–
Environmental Hazards:	No
Marine Pollutant	No

Special precautions for user: Not regulated.

IATA

UN Number: UN 1950
Proper Shipping Name:
Transport Hazard Class(es):
Class: 2.2
Label(s): –
Packing Group: –

Environmental Hazards: No
Marine Pollutant No

Special precautions for user: Not regulated.
Cargo aircraft only: Forbidden.

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity	Reportable quantity
Ethanol	lbs. 100
Propane	lbs. 100
Butane	lbs. 100
2-Propanol, 2-methyl-	lbs. 100
1,3-Benzodioxole, 5-(2-propen-1-yl)-	lbs. 100
1,2-Benzenedicarboxylic acid, 1,2-diethyl ester	lbs. 1000
Ethanone, 1-phenyl-	lbs. 5000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Not listed.

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity	Reportable quantity
Ethanol	lbs. 100
Ethanol, 2-butoxy-	
Propane	lbs. 100
Butane	lbs. 100
2-Propanol, 2-methyl-	lbs. 100
1,3-Benzodioxole, 5-(2-propen-1-yl)-	lbs. 100
1,2-Benzenedicarboxylic acid, 1,2-diethyl ester	lbs. 1000
Ethanone, 1-phenyl-	lbs. 5000

SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity
Ethanol	10000 lbs
Ethanol, 2-butoxy-	10000 lbs
Propane	10000 lbs
Butane	10000 lbs
2-Propanol, 2-methyl-	10000 lbs
Acetic acid, phenylmethyl ester	10000 lbs
1,2-Benzenedicarboxylic acid, 1,2-diethyl ester	10000 lbs
Benzene, 1,1'-oxybis-	10000 lbs
Ethanone, 1-phenyl-	10000 lbs
Stoddard solvent	10000 lbs

SARA 313 (TRI Reporting)

Chemical Identity	Reporting threshold for other users	Reporting threshold for manufacturing and processing
Ethanol, 2-butoxy-	N230 lbs	N230 lbs.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):
Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

US State Regulations

US. California Proposition 65

No ingredient requiring a warning under CA Prop 65.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity
Ethanol
Ethanol, 2-butoxy-
Propane
Butane

US. Massachusetts RTK - Substance List

Chemical Identity
1,3-Benzodioxole, 5-(2-propen-1-yl)-

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity
Ethanol
Ethanol, 2-butoxy-
Propane
Butane

US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

Inventory Status:

Australia AICS:	On or in compliance with the inventory
EINECS, ELINCS or NLP:	On or in compliance with the inventory
Japan (ENCS) List:	Not in compliance with the inventory.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory
Canada NDSL Inventory:	Not in compliance with the inventory.
Philippines PICCS:	Not in compliance with the inventory.
US TSCA Inventory:	On or in compliance with the inventory
Japan ISHL Listing:	Not in compliance with the inventory.
Japan Pharmacopoeia Listing:	Not in compliance with the inventory.
Mexico INSQ:	Not in compliance with the inventory.
Canada DSL Inventory List:	Not in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory
New Zealand Inventory of Chemicals:	On or in compliance with the inventory
Ontario Inventory:	On or in compliance with the inventory
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory

16.Other information, including date of preparation or last revision

Issue Date:	04/22/2019
Revision Information:	No data available.
Version #:	1.0
Further Information:	No data available.
Disclaimer:	This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

SAFETY DATA SHEET

S00205000

Section 1. Identification

Product name : LU™205 Food Grade Chain Lubricant Aerosol

Product code : S00205000

Other means of identification : Not available.

Product type : Aerosol.

Relevant identified uses of the substance or mixture and uses advised against

Not applicable.

Manufacturer : Sprayon Products Group
101 W. Prospect Avenue,
Cleveland, Ohio 44115

Supplier : Compania Sherwin-Williams S.A. de C.V.
Poniente 140 No.595
Col. Industrial Vallejo, Del. Azcapotzalco
C.P. 02300, Ciudad de México, México

Emergency telephone number of the company : US / Canada: (216) 566-2917
Mexico: SETIQ 01-800-00-214-00 / (52) 55-5559-1588 24 hours / 365 days a year

Product Information Telephone Number : US / Canada: (800) 247-3266
Mexico: Not Available

Regulatory Information Telephone Number : US / Canada: (216) 566-2902
Mexico: Not Available

Transportation Emergency Telephone Number : US / Canada: (800) 424-9300
Mexico: SETIQ 01-800-00-214-00 / (52) 55-5559-1588 24 hours / 365 days a year

Section 2. Hazards identification

Classification of the substance or mixture : FLAMMABLE AEROSOLS - Category 1
GASES UNDER PRESSURE - Compressed gas
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
ASPIRATION HAZARD - Category 1

Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 15%
Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 15%
Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 7.6%

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H222 - Extremely flammable aerosol.
H280 - Contains gas under pressure; may explode if heated.
H304 - May be fatal if swallowed and enters airways.
H373 - May cause damage to organs through prolonged or repeated exposure.

Section 2. Hazards identification

Precautionary statements

Prevention : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 - Do not spray on an open flame or other ignition source.
P260 - Do not breathe dust or mist.
P251 - Pressurized container: Do not pierce or burn, even after use.

Response : P314 - Get medical attention if you feel unwell.
P301 + P310 + P331 - IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting.

Storage : P405 - Store locked up.
P410 - Protect from sunlight.
P412 - Do not expose to temperatures exceeding 50 °C/122 °F.
P403 - Store in a well-ventilated place.

Disposal : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements

DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. FOR INDUSTRIAL USE ONLY.

Please refer to the SDS for additional information. Keep out of reach of children. Keep upright in a cool, dry place. Do not discard empty can in trash compactor.

Hazards not otherwise classified : DANGER: Rags, steel wool, other waste soaked with this product, and sanding residue may spontaneously catch fire if improperly discarded. Immediately place rags, steel wool, other waste soaked with this product, and sanding residue in a sealed, water-filled, metal container. Dispose of in accordance with local fire regulations.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Other means of identification : Not available.

CAS number/other identifiers

Ingredient name	% by weight	CAS number
Propane	7.65	74-98-6
Butane	7.35	106-97-8

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention following exposure or if feeling unwell. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Section 4. First aid measures

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : May be fatal if swallowed and enters airways.

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:
irritation
redness

Inhalation : Adverse symptoms may include the following:
respiratory tract irritation
coughing

Skin contact : No specific data.

Ingestion : Adverse symptoms may include the following:
nausea or vomiting

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : Extremely flammable aerosol. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed.

Section 5. Fire-fighting measures

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurized contents and propellant. If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not breathe vapor or mist. Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing gas. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous.

Section 7. Handling and storage

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Protect from sunlight. Store locked up. Eliminate all ignition sources. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits (OSHA United States)

Ingredient name	Exposure limits
Propane	**NIOSH REL (United States, 10/2016).** TWA: 1000 ppm 10 hours. TWA: 1800 mg/m³ 10 hours. **OSHA PEL (United States, 6/2016).** TWA: 1000 ppm 8 hours. TWA: 1800 mg/m³ 8 hours.
Butane	**NIOSH REL (United States, 10/2016).** TWA: 800 ppm 10 hours. TWA: 1900 mg/m³ 10 hours. **ACGIH TLV (United States, 3/2016).** STEL: 1000 ppm 15 minutes.

Occupational exposure limits (Canada)

Ingredient name	Exposure limits
Propane	**CA Alberta Provincial (Canada, 4/2009).** 8 hrs OEL: 1000 ppm 8 hours. **CA British Columbia Provincial (Canada, 7/2016).** TWA: 1000 ppm 8 hours. **CA Québec Provincial (Canada, 1/2014).** TWAEV: 1000 ppm 8 hours. TWAEV: 1800 mg/m³ 8 hours. **CA Ontario Provincial (Canada, 7/2015).** TWA: 1000 ppm 8 hours. **CA Saskatchewan Provincial (Canada, 7/2013).** STEL: 1250 ppm 15 minutes. TWA: 1000 ppm 8 hours.
Butane	**CA Alberta Provincial (Canada, 4/2009).** 8 hrs OEL: 1000 ppm 8 hours. **CA British Columbia Provincial (Canada, 7/2016).** TWA: 600 ppm 8 hours. STEL: 750 ppm 15 minutes. **CA Québec Provincial (Canada, 1/2014).** TWAEV: 800 ppm 8 hours. TWAEV: 1900 mg/m³ 8 hours. **CA Ontario Provincial (Canada, 7/2015).** TWA: 800 ppm 8 hours. **CA Saskatchewan Provincial (Canada,**

	7/2013). STEL: 1250 ppm 15 minutes. TWA: 1000 ppm 8 hours.

Occupational exposure limits (Mexico)

Ingredient name	Exposure limits
Propane	**NOM-010-STPS-2014 (Mexico, 4/2016).** TWA: 1000 ppm 8 hours.
Butane	**NOM-010-STPS-2014 (Mexico, 4/2016).** TWA: 1000 ppm 8 hours.

Appropriate engineering controls : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Appearance

Physical state : Liquid.

Color : Not available.

Odor : Not available.

Odor threshold : Not available.

pH : Not available.

Melting point : Not available.

Boiling point : Not available.

Flash point : Closed cup: -29°C (-20.2°F) [Pensky-Martens Closed Cup]

Evaporation rate : Not available.

Flammability (solid, gas) : Not available.

Lower and upper explosive (flammable) limits : Lower: 1.9%
Upper: 9.5%

Vapor pressure : 101.3 kPa (760 mm Hg) [at 20°C]

Vapor density : 1.55 [Air = 1]

Relative density : 0.82

Solubility : Not available.

Partition coefficient: n-octanol/water : Not available.

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Viscosity : Kinematic (40°C (104°F)): <0.205 cm^2/s (<20.5 cSt)

Molecular weight : Not applicable.

Aerosol product

Type of aerosol : Spray

Heat of combustion : 41.836 kJ/g

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : Avoid all possible sources of ignition (spark or flame).

Incompatible materials : No specific data.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Butane	LC50 Inhalation Vapor	Rat	658000 mg/m³	4 hours

Irritation/Corrosion

Not available.

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Propane	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
Butane	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Propane	Category 2	Not determined	Not determined
Butane	Category 2	Not determined	Not determined

Aspiration hazard

Name	Result
Propane	ASPIRATION HAZARD - Category 1
Butane	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : May be fatal if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:
irritation
redness

Inhalation : Adverse symptoms may include the following:
respiratory tract irritation
coughing

Skin contact : No specific data.

Ingestion : Adverse symptoms may include the following:
nausea or vomiting

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General : May cause damage to organs through prolonged or repeated exposure.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Not available.

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Soil/water partition coefficient (K_{OC}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Do not puncture or incinerate container.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	UN1950	UN1950	UN1950	UN1950	UN1950
UN proper shipping name	AEROSOLS	AEROSOLS	AEROSOLS	AEROSOLS, flammable	AEROSOLS
Transport hazard class(es)	2.1 	2.1 	2.1 	2.1 	2.1 
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.
Additional information	- **ERG No.** 126	**ERG No.** 126	- **ERG No.** 126	-	**Emergency schedules** F-D, S-U

Special precautions for user : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

Transport in bulk according to Annex II of MARPOL and the IBC Code : Not available.

Proper shipping name : Not available.

Ship type : Not available.

Pollution category : Not available.

Section 15. Regulatory information

SARA 313

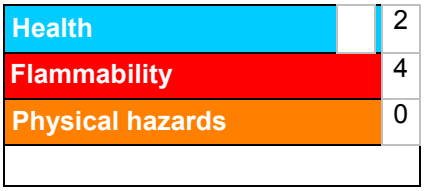
SARA 313 (40 CFR 372.45) supplier notification can be found on the Environmental Data Sheet.

California Prop. 65

Not applicable.

Section 16. Other information

Hazardous Material Information System (U.S.A.)



The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

Procedure used to derive the classification

Classification	Justification
FLAMMABLE AEROSOLS - Category 1 GASES UNDER PRESSURE - Compressed gas SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1	On basis of test data Calculation method Calculation method Calculation method

History

Date of printing : 9/8/2017

Date of issue/Date of revision : 9/8/2017

Date of previous issue : 4/19/2017

Version : 2

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

Notice to reader

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by Sherwin-Williams, including but not limited to the incorporation of non Sherwin-Williams products or the use or addition of products in proportions not specified by Sherwin-Williams. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use

Section 16. Other information

of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.

SAFETY DATA SHEET

1. Identification

Product identifier **LPS® DETEX® Food Grade Chain Lubricant**

Other means of identification

Part Number 06016

Recommended use A food grade chain lubricant for parts and equipment.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Manufacturer

Company name ITW Pro Brands

Address 4647 Hugh Howell Rd.
Tucker, GA 30084

Country (U.S.A.)
Tel: +1 770-243-8800

In Case of Emergency 1-800-424-9300 (inside U.S.)
+001 703-527-3887 (outside U.S.)

Website www.itwprobrands.com

E-mail lpssds@itwprobrands.com

2. Hazard(s) identification

Physical hazards	Flammable aerosols	Category 2
	Gases under pressure	Liquefied gas
Health hazards	Skin corrosion/irritation	Category 2
Environmental hazards	Not classified.	
OSHA defined hazards	Not classified.	

Label elements



Signal word Warning

Hazard statement Flammable aerosol. Contains gas under pressure; may explode if heated. Causes skin irritation.

Precautionary statement

Prevention Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Wash thoroughly after handling. Wear protective gloves.

Response If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

Storage Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 50°C/122°F.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC) Combustible.

Supplemental information None known.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
White Mineral Oil		8042-47-5	60 - 70
Polybutene (Isobutylene/butene copolymer)		9003-29-6	20 - 30
Petroleum Gases, Liquefied, Sweetened		68476-86-8	10 - 20
Hydrocarbons, C7, N-Alkanes, Isoalkanes, Cyclics		64742-49-0	1 - 5
N-hexane		110-54-3	< 0.1
pentane		109-66-0	< 0.1

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion Not likely, due to the form of the product. In the unlikely event of swallowing contact a physician or poison control center. Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Most important symptoms/effects, acute and delayed Skin irritation. May cause redness and pain.

Indication of immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Dry chemicals. Carbon dioxide (CO2).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Fire fighting equipment/instructions In case of fire: Stop leak if safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

General fire hazards Flammable aerosol. Contents under pressure. Pressurized container may explode when exposed to heat or flame. Will burn if involved in a fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. This product is miscible in water. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Close valve after each use and when empty. Protect containers from physical damage; do not drag, roll, slide, or drop. When moving containers, even for short distances, use a cart (trolley, hand truck, etc.) designed to transport containers. Suck back of water into the container must be prevented. Do not allow backfeed into the container. Purge air from system before introducing gas. Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Contact your gas supplier if in doubt. Do not re-use empty containers. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Level 3 Aerosol.

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store in tightly closed container. Store in a well-ventilated place. Stored containers should be periodically checked for general condition and leakage. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

U.S. - OSHA

Components	Type	Value	Form
White Mineral Oil (CAS 8042-47-5)	TWA	5 mg/m3	Oil mist.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
N-hexane (CAS 110-54-3)	PEL	1800 mg/m3
		500 ppm
pentane (CAS 109-66-0)	PEL	2950 mg/m3
		1000 ppm

US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants

Components	Type	Value
N-hexane (CAS 110-54-3)	PEL	180 mg/m3
		50 ppm
pentane (CAS 109-66-0)	PEL	1800 mg/m3
		600 ppm

ACGIH

Components	Type	Value	Form
White Mineral Oil (CAS 8042-47-5)	TWA	5 mg/m3	Respirable fraction.

US. ACGIH Threshold Limit Values

Components	Type	Value
N-hexane (CAS 110-54-3)	TWA	50 ppm
pentane (CAS 109-66-0)	TWA	1000 ppm

U.S. - NIOSH

Components	Type	Value	Form
White Mineral Oil (CAS 8042-47-5)	TWA	5 mg/m3	Mist.

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
N-hexane (CAS 110-54-3)	TWA	180 mg/m3
		50 ppm
pentane (CAS 109-66-0)	Ceiling	1800 mg/m3
		610 ppm
	TWA	350 mg/m3
		120 ppm

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
N-hexane (CAS 110-54-3)	0.5 mg/l	2,5-Hexanedione, without hydrolysis	Urine	*

* - For sampling details, please see the source document.

Exposure guidelines

US - California OELs: Skin designation

N-hexane (CAS 110-54-3) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

N-hexane (CAS 110-54-3) Danger of cutaneous absorption

Appropriate engineering controls Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles). Face shield is recommended.

Skin protection

Hand protection Wear appropriate chemical resistant gloves. Nitrile gloves are recommended.

Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state Gas.

Form Aerosol. Liquefied gas.

Color Clear. Colorless.

Odor Mild. Hydrocarbon-like.

Odor threshold Not established

pH	Not applicable
Melting point/freezing point	Not established
Initial boiling point and boiling range	345.2 °F (174 °C)
Flash point	-20.0 °F (-28.9 °C) Tag Closed Cup (dispensed liquid)
Evaporation rate	~8.1
Flammability (solid, gas)	Flammable gas.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	1 % (estimated)
Flammability limit - upper (%)	9.5 % (estimated)
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	2782 mm Hg @ 20ºC
Vapor density	~3 (air=1)
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not soluble in water
Partition coefficient (n-octanol/water)	Not established
Auto-ignition temperature	> 509 °F (> 265 °C)
Decomposition temperature	Not established
Viscosity	164 cP @ 25ºC
Other information	
Explosive properties	Not explosive.
Heat of combustion	> 30 kJ/g
Oxidizing properties	Not oxidizing.
Percent volatile	15 - 20 %
Specific gravity	0.85 - 0.87 @ 20ºC
VOC	17.7 % per State and Federal Consumer Product Regulations CARB

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Heat. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon oxides.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful.
Skin contact	Causes skin irritation.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity Not expected to be acutely toxic. Not expected to be acutely toxic.

Components	Species	Test Results
Hydrocarbons, C7, N-Alkanes, Isoalkanes, Cyclics (CAS 64742-49-0)		
Acute		
Dermal		
LD50	Rabbit	> 1900 mg/kg, 24 Hours
Oral		
LD50	Rat	> 2000 mg/kg
N-hexane (CAS 110-54-3)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg, 4 Hours
Inhalation		
Vapor		
LC50	Rat	> 32 mg/l, 4 Hours
Oral		
LD50	Rat	29000 mg/kg
pentane (CAS 109-66-0)		
Acute		
Inhalation		
Vapor		
LC50	Rat	> 25 mg/l, 4 Hours
Oral		
LD50	Rat	> 2000 mg/kg
Polybutene (Isobutylene/butene copolymer) (CAS 9003-29-6)		
Acute		
Dermal		
LD50	Rat	> 2000 mg/kg, 24 Hours
Inhalation		
Vapor		
LC50	Rat	> 3.8 mg/l, 7 Hours
Oral		
LD50	Rat	> 2000 mg/kg
White Mineral Oil (CAS 8042-47-5)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg, 24 Hours
Inhalation		
LC50	Rat	2.2 mg/l, 4 Hours
Oral		
LD50	Rat	> 5000 mg/kg

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye irritation Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not likely, due to the form of the product.

Chronic effects Prolonged inhalation may be harmful.

Further information None known.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components		Species	Test Results
N-hexane (CAS 110-54-3)			
Aquatic			
Acute			
Fish	LC50	Fathead minnow (Pimephales promelas)	2.101 - 2.981 mg/l, 96 hours

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

N-hexane	3.9
pentane	3.39

Mobility in soil Not established.

Other adverse effects None known.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Incinerate the material under controlled conditions in an approved incinerator. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code D001: Waste Flammable material with a flash point <140 F
D003: Waste Reactive material
The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

14. Transport information

DOT

UN number UN1950

UN proper shipping name Aerosols, flammable

Transport hazard class(es)

Class 2.1

Subsidiary risk -

Label(s) 2.1

Packing group Not available.

Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	N82
Packaging exceptions	306
Packaging bulk	None

IATA

UN number	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Packing group	Not available.
Environmental hazards	No.
ERG Code	10L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo aircraft	Allowed with restrictions.
Cargo aircraft only	Allowed with restrictions.

IMDG

UN number	UN1950
UN proper shipping name	AEROSOLS
Transport hazard class(es)	
Class	2
Subsidiary risk	-
Packing group	Not available.
Environmental hazards	
Marine pollutant	No.
EmS	F-D, S-U
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

DOT



IATA; IMDG



General information Avoid transport on vehicles where the load space is not separated from the driver's compartment. Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency. Before transporting product containers: Ensure that containers are firmly secured. Ensure cylinder valve is closed and not leaking. Ensure valve outlet cap nut or plug (where provided) is correctly fitted. Ensure valve protection device (where provided) is correctly fitted. Ensure adequate ventilation. Ensure compliance with applicable regulations.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

N-hexane (CAS 110-54-3) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical Yes

Classified hazard categories
Flammable (gases, aerosols, liquids, or solids)
Gas under pressure
Skin corrosion or irritation

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

N-hexane (CAS 110-54-3)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

pentane (CAS 109-66-0)

Safe Drinking Water Act (SDWA) Contains component(s) regulated under the Safe Drinking Water Act.

US state regulations

US. New Jersey Worker and Community Right-to-Know Act

N-hexane (CAS 110-54-3)
pentane (CAS 109-66-0)

California Proposition 65



WARNING: California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

California Proposition 65 - CRT: Listed date/Male reproductive toxin

N-hexane (CAS 110-54-3) Listed: December 15, 2017

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Hydrocarbons, C7, N-Alkanes, Isoalkanes, Cyclics (CAS 64742-49-0)
N-hexane (CAS 110-54-3)
Petroleum Gases, Liquefied, Sweetened (CAS 68476-86-8)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No

Country(s) or region	Inventory name	On inventory (yes/no)*
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 02-25-2022

Version # 01

Disclaimer The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. ITW Pro Brands cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use.

Revision information Product and Company Identification: Alternate Trade Names

Safety Data Sheet

24 Hour Emergency Phone Numbers
Medical/Poison Control:
In U.S.: Call 1-800-222-1222

Outside U.S.: Call your local poison control center

Transportation/National Response Center:

1-800-535-5053
1-352-323-3500

NOTE: The National ResponseCenter emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

IMPORTANT: Provide this information to employees, customers, and users of this product. Read this SDS before handling or disposing of this product. This product is covered by the OSHA Hazard Communication Standard and this document has been prepared in accordance with requirements of this standard. All abbreviated terms used in this SDS are further described in Section 16.

1. Identification

Product Name: Touch N Foam Max Fill Triple Expanding Sealant

Product UPC Number: 075650000311, 075650316122, 075650000328, 075650000335

Manufacturer: DAP Global Inc.
2400 Boston Street Suite 200
Baltimore, MD 21224-4723
888-327-8477 (non - emergency matters)

SDS Coordinator: MSDS@dap.com

Emergency Telephone:
Transportation: 1-800-535 -5053
1-352-323-3500
Poison Control: 1-800-222-1222

Revision Date: 9/2/2022

Supercedes Date: 4/12/2022

Product Use/ Class: Foam Sealant/Adhesive

SDS No: 4701301

Preparer: Regulatory and Environmental Affairs

2. Hazards Identification

EMERGENCY OVERVIEW: Contents under pressure. Do not puncture can. Exposure to temperatures above 120 'F may cause can to rupture. The primary adverse health effects of this product are related to the Polymeric Isocyanate (MDI) component. Therefore, adequate ventilation should be provided to avoid exceeding the exposure limits of these components (See Section 8). MDI vapor can irritate the respiratory tract causing runny nose, sore throat, coughing and reduce lung function.

GHS Classification
Fl Aer, 1, Gas under Pressure, Comp. Gas

Symbol(s) of Product



Signal Word
Danger

Possible Hazards
22% of the mixture consists of ingredients of unknown acute toxicity

GHS HAZARD STATEMENTS

Flammable Aerosol, category 1	H222	Extremely flammable aerosol.
Compressed Gas	H280	Contains gas under pressure; may explode if heated.
Acute Toxicity, Inhalation, category 4	H332	Harmful if inhaled.

GHS LABEL PRECAUTIONARY STATEMENTS

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P410+P403	Protect from sunlight. Store in a well-ventilated place.
P410+P412	Protect from sunlight. Do no expose to temperatures exceeding 50°C/ 122°F.

3. Composition/Information on Ingredients

Chemical Name	CAS-No.	Wt. %	GHS Symbols	GHS Statements
Polymeric diphenylmethane diisocyanate	9016-87-9	15-40	GHS07	H332
4,4'-Methylene diphenyl diisocyanate (MDI)	101-68-8	10-30	GHS07	H332
Propylene glycols	25322-69-4	7-13	No Information	No Information
Tris(2-chloro-1-methylethyl) phosphate	13674-84-5	7-13	GHS07	H302-332
Dimethyl ether	115-10-6	5-10	No Information	No Information
Isobutane	75-28-5	3-7	GHS02-GHS07	H220-332-336
Propane	74-98-6	1-5	GHS07	H332-336

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

4. First-aid Measures

FIRST AID - INHALATION: If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

FIRST AID - SKIN CONTACT: Wash skin with soap and water for 15 minutes. Get medical aid if symptoms persist. Use a rag to remove excess foam from skin and remove contaminated clothing. Use of a solvent, such as acetone (nail polish remover) or mineral spirits, may help in removing uncured foam residue from clothing or other surfaces (avoid eye contact). Cured foam may be physically removed by persistent washing with soap and water. If irritation develops, use mild skin cream. If irritation persists, obtain medical attention.

FIRST AID - EYE CONTACT: In case of contact, immediately flush eyes with large quantities of water for at least 15 minutes until irritation subsides. Get medical attention immediately.

FIRST AID - INGESTION: If swallowed, DO NOT INDUCE VOMITING. Get medical attention immediately.

5. Fire-fighting Measures

UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers may burst if exposed to extreme heat or fire. Containers may explode if exposed to extreme heat. Empty containers retain product residue (liquid and/or vapor). Vapor can ignite potentially causing an explosion.

SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear. Use water spray to cool exposed surfaces.

EXTINGUISHING MEDIA: Alcohol Foam, Carbon Dioxide, Dry Chemical, Water Spray or Fog, Water

6. Accidental Release Measures

ENVIRONMENTAL MEASURES: No Information

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: NOTE: Review fire hazards before proceeding with clean up. Immediately eliminate sources of ignition. Keep people away from and upwind of spill/leak. Contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations. Prevent product from entering drains. Soak up with inert absorbent material and dispose of as hazardous waste. Use personal protective equipment as necessary. Read all product instructions before using. Personal protective equipment should include impervious gloves, protective eye wear, and suitable work clothes. Scrape up dried material and place into containers. Uncured product is very sticky, so carefully remove the bulk of the foam by scraping it up and then immediately remove residue with a rag and solvent such as polyurethane cleaner, mineral spirits, acetone (nail polish remover), paint thinner, etc. Once the product has cured, it can only be removed physically by scraping, buffing, etc. Dispose as plastic waste (foam plastic) in accordance with all applicable guidelines and regulations.

7. Handling and Storage

HANDLING: KEEP OUT OF REACH OF CHILDREN!DO NOT TAKE INTERNALLY. Remove all sources of ignition. Make sure nozzle is directed away from yourself prior to discharge. Keep away from open flames, hot surfaces and sources of ignition. Avoid heat, sparks and open flames. Wear appropriate personal protection. Avoid breathing vapor and contact with eyes, skin and clothing. Use only with adequate ventilation. Ensure fresh air entry during application and drying. Empty containers retain product residue (liquid and/or vapor). Vapor can ignite potentially causing an explosion. Wash thoroughly after handling. Contains isocyanates. See information supplied by the manufacturer. Persons allergic to isocyanates, and particularly those suffering from asthma or other respiratory conditions, should not work with isocyanates.

STORAGE: Store away from sources of ignition and heat. Protect material from direct sunlight. Keep containers tightly closed in a dry, cool and well-ventilated place. Do not store at temperatures above 120 °F (49 °C). Store containers away from excessive heat and freezing. Store away from caustics and oxidizers.

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

Chemical Name	ACGIH TLV-TWA	ACGIH-TLV STEL	OSHA PEL-TWA	OSHA PEL-CEILING
Polymeric diphenylmethane diisocyanate	N.E.	N.E.	N.E.	N.E.
4,4'-Methylene diphenyl diisocyanate (MDI)	0.005 ppm TWA Methylene bisphenyl isocyanate (MDI)	N.E.	N.E.	0.02 ppm Ceiling, 0.2 mg/m3 Ceiling
Propylene glycols	N.E.	N.E.	N.E.	N.E.
Tris(2-chloro-1-methylethyl) phosphate	N.E.	N.E.	N.E.	N.E.
Dimethyl ether	N.E.	N.E.	N.E.	N.E.
Isobutane	N.E.	1000 ppm STEL explosion hazard Butane, isomers	N.E.	N.E.
Propane	See Appendix F: Minimal Oxygen Content, explosion hazard	N.E.	1000 ppm TWA, 1800 mg/m3 TWA	N.E.

Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation Sk = Skin Sensitizer N.E. = Not Established

Personal Protection



RESPIRATORY PROTECTION: No personal respiratory protective equipment normally required. If concentrations exceed the exposure limits specified, use of a NIOSH-approved supplied air respirator is recommended. Where the protection factor is exceeded, use of a Self Contained Breathing Apparatus (SCBA) may be necessary. A respiratory protection program that meets the OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.



SKIN PROTECTION: Wear nitrile, neoprene, or natural rubber gloves. Wear solvent impervious gloves.



EYE PROTECTION: Goggles or safety glasses with side shields.



OTHER PROTECTIVE EQUIPMENT: Provide eyewash and solvent impervious apron if body contact may occur.



HYGIENIC PRACTICES: Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use.

9. Physical and Chemical Properties

Appearance:	Amber	**Physical State:**	Foam
Odor:	Solvent	**Odor Threshold:**	Not Established
Density, g/cm3:	0.00 - 1.02	**pH:**	Not Applicable
Freeze Point, °C:	Not Established	**Viscosity (mPa.s):**	Not Aplicable
Solubility in Water:	Not Established	**Partition Coeff., n-octanol/ water:**	Not Established
Decomposition Temperature, °C:	Not Established	**Explosive Limits, %:**	N.E. - N.E.
Boiling Range, °C:	N.A. - N.A.	**Auto-Ignition Temperature, °C:**	Not Established
Flash Point, °C:	N.A.	**Vapor Pressure, mmHg:**	Not Established
Evaporation Rate:	Faster Than n-Butyl Acetate	**Flash Method:**	Not Applicable
Vapor Density:	Heavier Than Air	**Flammability, NFPA:**	Aerosol Level II
Combustible Dust:	Does not support combustion		

(See "Other information" Section for abbreviation legend)
(If product is an aerosol, the flash point stated above is that of the propellant.)

10. Stability and Reactivity

STABILITY: Stable under recommended storage conditions.

CONDITIONS TO AVOID: Excessive heat and freezing. Keep away from open flames, hot surfaces and sources of ignition. Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

INCOMPATIBILITY: Open flames, hot surfaces and sources of ignition. Incompatible with strong bases and oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Normal decomposition products, i.e., COx, NOx.

11. Toxicological Information

EFFECT OF OVEREXPOSURE - INHALATION: Vapors may be irritating to eyes, nose, throat, and lungs. Inhalation of high concentrations may cause headache, nausea, and dizziness.

EFFECT OF OVEREXPOSURE - SKIN CONTACT: May cause sensitization by skin contact. May cause localized irritation, reddening or swelling. Prolonged or repeated exposure may lead to sensitization and/or contact dermatitis. This product has strong adhesive-like characteristics and will adhere aggressively to skin and other surfaces. If accidental contact occurs, follow the appropriate first-aid procedure described in Section 4 of this SDS.

EFFECT OF OVEREXPOSURE - EYE CONTACT: Direct eye contact may cause irritation. Mist and vapors may cause eye irritation. Foam contact can cause physical damage due to adhesive character.

EFFECT OF OVEREXPOSURE - INGESTION: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

CARCINOGENICITY: Limited evidence in experimental animals.

EFFECT OF OVEREXPOSURE - CHRONIC HAZARDS: Repeated or prolonged exposure may cause respiratory system damage. Repeated contact may cause allergic reactions in very susceptible persons.

PRIMARY ROUTE(S) OF ENTRY: Skin Contact, Inhalation, Eye Contact

Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below

CAS-No.	Chemical Name	Oral LD50	Dermal LD50	Vapor LC50
9016-87-9	Polymeric diphenylmethane diisocyanate	49000 mg/kg Rat	>9400 mg/kg Rabbit	N.I.
101-68-8	4,4'-Methylene diphenyl diisocyanate (MDI)	31600 mg/kg Rat	9400 mg/kg Rabbit	N.I.
25322-69-4	Propylene glycols	3750 mg/kg Rat	>3000 mg/kg Rabbit	N.I.
13674-84-5	Tris(2-chloro-1-methylethyl) phosphate	1500 mg/kg Rat	>5000 mg/kg Rabbit	N.I.
115-10-6	Dimethyl ether	>2000 mg/kg	>2000 mg/kg	N.I.
75-28-5	Isobutane	N.I.	N.I.	N.I.
74-98-6	Propane	Not an exposure route	Not an exposure route	N.I.

N.I. = No Information

12. Ecological Information

ECOLOGICAL INFORMATION: No Information

13. Disposal Information

DISPOSAL INFORMATION: Residues and spilled material are hazardous waste due to ignitability. Contents under pressure. Dispose of material in accordance with all federal, state and local regulations. State and Local regulations/restrictions are complex and may differ from Federal regulations. Responsibility for proper waste disposal is with the owner of the waste. Liquids cannot be disposed of in a landfill. Do not flush into surface water or sanitary sewer system. Do not empty into drains. Do not re-use empty containers. The container for this product can present explosion or fire hazards, even when emptied. To avoid risk of injury, do not cut, puncture, or weld on or near this container. Before disposing of containers, relieve container of any remaining product and pressure. Empty cylinders, once relieved of all pressure, can be disposed of as non-hazardous waste.

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: NOTE: Review fire hazards before proceeding with clean up. Immediately eliminate sources of ignition. Keep people away from and upwind of spill/leak. Contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations. Prevent product from entering drains. Soak up with inert absorbent material and dispose of as hazardous waste. Use personal protective equipment as necessary. Read all product instructions before using. Personal protective equipment should include impervious gloves, protective eye wear, and suitable work clothes. Scrape up dried material and place into containers. Uncured product is very sticky, so carefully remove the bulk of the foam by scraping it up and then immediately remove residue with a rag and solvent such as polyurethane cleaner, mineral spirits, acetone (nail polish remover), paint thinner, etc. Once the product has cured, it can only be removed physically by scraping, buffing, etc. Dispose as plastic waste (foam plastic) in accordance with all applicable guidelines and regulations.

14. Transport Information

DOT UN/NA Number:	UN1950
DOT Proper Shipping Name:	Aerosols, flammable
DOT Technical Name:	N.A.
DOT Hazard Class:	2.1 Flammable gas
Hazard SubClass:	N.A.
Packing Group:	N.A.

15. Regulatory Information

U.S. Federal Regulations:

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Gas under pressure, Acute Toxicity (any route of exposure)

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

Chemical Name	CAS-No.
Polymeric diphenylmethane diisocyanate	9016-87-9
4,4'-Methylene diphenyl diisocyanate (MDI)	101-68-8

TOXIC SUBSTANCES CONTROL ACT:

All ingredients in this product are either on TSCA inventory list, or otherwise exempt.
This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA 12(b) components exist in this product.

16. Other Information

Revision Date: 9/2/2022 **Supersedes Date:** 4/12/2022

Reason for revision: Substance and/or Product Properties Changed in Section(s):
02 - Hazards Identification
15 - Regulatory Information
Revision Statement(s) Changed

Datasheet produced by: Regulatory Department

HMIS Ratings:

2*	4	0	X

VOC Less Water Less Exempt Solvent, g/L: 153.0
VOC Material, g/L: 153
VOC as Defined by California Consumer Product Regulation, Wt/Wt%: 15.12
VOC Actual, Wt/Wt%: 15.1

Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

H220	Extremely flammable gas.

H302	Harmful if swallowed.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.

Icons for GHS Pictograms shown in Section 3 describing each ingredient:

GHS02



GHS07



Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

DAP believes the data and statements contained herein are accurate as of the date hereof. They are offered in good faith as typical values and not as a product specification. NO WARRANTY OF MERCHANTABILITY, WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE WITH REGARD TO THE INFORMATION HEREIN PROVIDED OR THE PRODUCT TO WHICH THE INFORMATION REFERS. Since this document is intended only as a guide to the appropriate use and precautionary handling of the referenced product by a properly trained person, it is therefore the responsibility of the user to (i) review the recommendations with due consideration for the specific context of the intended use and (ii) determine if they are appropriate.

ATTACHMENT 2

Laboratory Analytical Report

ANALYTICAL REPORT

Lab Number:	L2524652
Client:	LaBella Associates, P.C. 300 Pearl Street Suite 130 Buffalo, NY 14202
ATTN:	Stephen Campana
Phone:	(716) 551-6281
Project Name:	FORMER EDGEWOOD WAREHOUSE
Project Number:	2203235
Report Date:	05/08/25

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NH ELAP (2249).

120 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.pacelabs.com

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235

Lab Number: L2524652
Report Date: 05/08/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2524652-01	IA-01 2025	AIR	320 S. ROBERTS ROAD	04/17/25 16:40	04/18/25
L2524652-02	IA-02 2025	AIR	320 S. ROBERTS ROAD	04/17/25 17:00	04/18/25
L2524652-03	IA-03 2025	AIR	320 S. ROBERTS ROAD	04/17/25 17:15	04/18/25
L2524652-04	IA-04 2025	AIR	320 S. ROBERTS ROAD	04/17/25 16:45	04/18/25
L2524652-05	SS-01 2025	SOIL_VAPOR	320 S. ROBERTS ROAD	04/17/25 16:57	04/18/25
L2524652-06	SS-02 2025	SOIL_VAPOR	320 S. ROBERTS ROAD	04/17/25 14:30	04/18/25
L2524652-07	SS-03 2025	SOIL_VAPOR	320 S. ROBERTS ROAD	04/17/25 17:05	04/18/25
L2524652-08	SS-04 2025	SOIL_VAPOR	320 S. ROBERTS ROAD	04/17/25 16:00	04/18/25
L2524652-09	OA 2025	AIR	320 S. ROBERTS ROAD	04/17/25 16:55	04/18/25

Project Name:	FORMER EDGEWOOD WAREHOUSE	**Lab Number:**	L2524652
Project Number:	2203235	**Report Date:**	05/08/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	FORMER EDGEWOOD WAREHOUSE	**Lab Number:**	L2524652
Project Number:	2203235	**Report Date:**	05/08/25

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on April 14, 2025. The canister certification data is provided as an addendum.

The WG2063176-3 LCS recovery associated with L2524652-01, -02, -03, -04, -05, -07, -08, and -09 is below the acceptance limit for vinyl acetate (51%). All samples associated with this LCS that have reportable amounts of this analyte will be reported with low bias.

Sample Receipt

L2524652-06: the sample failed to collect and was cancelled.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 05/08/25

AIR

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235
Lab Number: L2524652
Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2524652-01
Client ID: IA-01 2025
Sample Location: 320 S. ROBERTS ROAD

Date Collected: 04/17/25 16:40
Date Received: 04/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/06/25 21:19
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Dichlorodifluoromethane	1.18	0.200	--	5.83	0.989	--		1
Chloromethane	0.802	0.200	--	1.66	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	2.34	0.200	--	5.18	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	120	5.00	--	226	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	73.5	1.00	--	175	2.38	--		1
Trichlorofluoromethane	0.236	0.200	--	1.33	1.12	--		1
Isopropanol	22.1	1.00	--	54.3	2.46	--		1
Tertiary butyl Alcohol	0.527	0.500	--	1.60	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	40.5	0.500	--	119	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235
Lab Number: L2524652
Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2524652-01
Client ID: IA-01 2025
Sample Location: 320 S. ROBERTS ROAD

Date Collected: 04/17/25 16:40
Date Received: 04/18/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.706	0.200	--	2.49	0.705	--		1
Benzene	0.310	0.200	--	0.990	0.639	--		1
Cyclohexane	0.695	0.200	--	2.39	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.653	0.200	--	2.68	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.909	0.200	--	3.43	0.754	--		1
2-Hexanone	1.35	0.200	--	5.53	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.238	0.200	--	1.03	0.869	--		1
p/m-Xylene	0.745	0.400	--	3.24	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.323	0.200	--	1.40	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235
Lab Number: L2524652
Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2524652-01
Client ID: IA-01 2025
Sample Location: 320 S. ROBERTS ROAD

Date Collected: 04/17/25 16:40
Date Received: 04/18/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
1,2,4-Trimethylbenzene	0.228	0.200	--	1.12	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.190	--	ND	0.996	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	103		60-140
Bromochloromethane	102		60-140
chlorobenzene-d5	101		60-140

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235
Lab Number: L2524652
Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2524652-01
Client ID: IA-01 2025
Sample Location: 320 S. ROBERTS ROAD

Date Collected: 04/17/25 16:40
Date Received: 04/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/06/25 21:19
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	0.022	0.020	--	0.120	0.109	--		1
Carbon tetrachloride	0.038	0.020	--	0.239	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.050	0.020	--	0.339	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	98		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	100		60-140

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235
Lab Number: L2524652
Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2524652-02
Client ID: IA-02 2025
Sample Location: 320 S. ROBERTS ROAD

Date Collected: 04/17/25 17:00
Date Received: 04/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/06/25 21:52
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Dichlorodifluoromethane	1.28	0.200	--	6.33	0.989	--		1
Chloromethane	0.669	0.200	--	1.38	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	180	5.00	--	339	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.60	1.00	--	8.55	2.38	--		1
Trichlorofluoromethane	0.242	0.200	--	1.36	1.12	--		1
Isopropanol	30.0	1.00	--	73.7	2.46	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	16.0	0.500	--	47.2	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235
Lab Number: L2524652
Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2524652-02
Client ID: IA-02 2025
Sample Location: 320 S. ROBERTS ROAD

Date Collected: 04/17/25 17:00
Date Received: 04/18/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.541	0.200	--	1.91	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	0.739	0.200	--	2.54	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	0.332	0.200	--	1.55	0.934	--		1
Heptane	11.1	0.200	--	45.5	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.717	0.200	--	2.70	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235
Lab Number: L2524652
Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2524652-02
Client ID: IA-02 2025
Sample Location: 320 S. ROBERTS ROAD

Date Collected: 04/17/25 17:00
Date Received: 04/18/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.190	--	ND	0.996	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	102		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	103		60-140

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235
Lab Number: L2524652
Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2524652-02
Client ID: IA-02 2025
Sample Location: 320 S. ROBERTS ROAD

Date Collected: 04/17/25 17:00
Date Received: 04/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/06/25 21:52
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	0.044	0.020	--	0.240	0.109	--		1
Carbon tetrachloride	0.065	0.020	--	0.409	0.126	--		1
Trichloroethene	0.031	0.020	--	0.167	0.107	--		1
Tetrachloroethene	0.036	0.020	--	0.244	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	97		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	99		60-140

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235
Lab Number: L2524652
Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2524652-03
Client ID: IA-03 2025
Sample Location: 320 S. ROBERTS ROAD

Date Collected: 04/17/25 17:15
Date Received: 04/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/06/25 22:27
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Dichlorodifluoromethane	1.56	0.200	--	7.71	0.989	--		1
Chloromethane	0.796	0.200	--	1.64	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	317	5.00	--	597	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	24.2	1.00	--	57.5	2.38	--		1
Trichlorofluoromethane	0.300	0.200	--	1.69	1.12	--		1
Isopropanol	49.6	1.00	--	122	2.46	--		1
Tertiary butyl Alcohol	0.502	0.500	--	1.52	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	13.0	0.500	--	38.3	1.47	--		1
Ethyl Acetate	1.03	0.500	--	3.71	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235
Lab Number: L2524652
Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2524652-03
Client ID: IA-03 2025
Sample Location: 320 S. ROBERTS ROAD

Date Collected: 04/17/25 17:15
Date Received: 04/18/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.305	0.200	--	1.07	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	0.982	0.200	--	3.38	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	0.208	0.200	--	0.972	0.934	--		1
Heptane	31.3	0.200	--	128	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235
Lab Number: L2524652
Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2524652-03
Client ID: IA-03 2025
Sample Location: 320 S. ROBERTS ROAD

Date Collected: 04/17/25 17:15
Date Received: 04/18/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.190	--	ND	0.996	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	101		60-140
Bromochloromethane	83		60-140
chlorobenzene-d5	103		60-140

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235
Lab Number: L2524652
Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2524652-03
Client ID: IA-03 2025
Sample Location: 320 S. ROBERTS ROAD

Date Collected: 04/17/25 17:15
Date Received: 04/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/06/25 22:27
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.030	0.020	--	0.119	0.079	--		1
1,1,1-Trichloroethane	0.060	0.020	--	0.327	0.109	--		1
Carbon tetrachloride	0.078	0.020	--	0.491	0.126	--		1
Trichloroethene	0.113	0.020	--	0.607	0.107	--		1
Tetrachloroethene	0.172	0.020	--	1.17	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	97		60-140
bromochloromethane	82		60-140
chlorobenzene-d5	98		60-140

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235
Lab Number: L2524652
Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2524652-04
Client ID: IA-04 2025
Sample Location: 320 S. ROBERTS ROAD

Date Collected: 04/17/25 16:45
Date Received: 04/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/06/25 23:01
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Dichlorodifluoromethane	0.438	0.200	--	2.17	0.989	--		1
Chloromethane	0.615	0.200	--	1.27	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	99.6	5.00	--	188	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	10.4	1.00	--	24.7	2.38	--		1
Trichlorofluoromethane	0.214	0.200	--	1.20	1.12	--		1
Isopropanol	129	1.00	--	317	2.46	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	1.81	0.200	--	7.33	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.857	0.500	--	2.53	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.221	0.200	--	1.08	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235
Lab Number: L2524652
Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2524652-04
Client ID: IA-04 2025
Sample Location: 320 S. ROBERTS ROAD

Date Collected: 04/17/25 16:45
Date Received: 04/18/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.251	0.200	--	0.885	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.378	0.200	--	1.55	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.767	0.200	--	2.89	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235
Lab Number: L2524652
Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2524652-04
Client ID: IA-04 2025
Sample Location: 320 S. ROBERTS ROAD

Date Collected: 04/17/25 16:45
Date Received: 04/18/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.190	--	ND	0.996	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	102		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	102		60-140

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235
Lab Number: L2524652
Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2524652-04
Client ID: IA-04 2025
Sample Location: 320 S. ROBERTS ROAD

Date Collected: 04/17/25 16:45
Date Received: 04/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/06/25 23:01
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	1.27	0.020	--	5.04	0.079	--		1
1,1,1-Trichloroethane	4.35	0.020	--	23.7	0.109	--		1
Carbon tetrachloride	0.070	0.020	--	0.440	0.126	--		1
Trichloroethene	1.95	0.020	--	10.5	0.107	--		1
Tetrachloroethene	0.114	0.020	--	0.773	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	97		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	99		60-140

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235
Lab Number: L2524652
Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2524652-05
Client ID: SS-01 2025
Sample Location: 320 S. ROBERTS ROAD

Date Collected: 04/17/25 16:57
Date Received: 04/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/07/25 00:12
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Dichlorodifluoromethane	0.442	0.200	--	2.19	0.989	--		1
Chloromethane	1.20	0.200	--	2.48	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	160	5.00	--	301	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	119	1.00	--	283	2.38	--		1
Trichlorofluoromethane	0.203	0.200	--	1.14	1.12	--		1
Isopropanol	6.69	1.00	--	16.4	2.46	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	2.15	0.500	--	6.52	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	10.1	0.500	--	29.8	1.47	--		1
cis-1,2-Dichloroethene	0.757	0.200	--	3.00	0.793	--		1

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235
Lab Number: L2524652
Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2524652-05
Client ID: SS-01 2025
Sample Location: 320 S. ROBERTS ROAD

Date Collected: 04/17/25 16:57
Date Received: 04/18/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.53	0.200	--	5.39	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.377	0.200	--	1.20	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.234	0.200	--	0.805	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	0.444	0.200	--	2.39	1.07	--		1
2,2,4-Trimethylpentane	0.309	0.200	--	1.44	0.934	--		1
Heptane	0.438	0.200	--	1.79	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	2.04	0.200	--	7.69	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	14.1	0.200	--	95.6	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.252	0.200	--	1.09	0.869	--		1

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235
Lab Number: L2524652
Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2524652-05
Client ID: SS-01 2025
Sample Location: 320 S. ROBERTS ROAD

Date Collected: 04/17/25 16:57
Date Received: 04/18/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
p/m-Xylene	0.937	0.400	--	4.07	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.352	0.200	--	1.53	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.230	0.200	--	1.13	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	0.802	0.200	--	4.82	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.190	--	ND	0.996	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	104		60-140
Bromochloromethane	105		60-140
chlorobenzene-d5	107		60-140

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235
Lab Number: L2524652
Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2524652-07
Client ID: SS-03 2025
Sample Location: 320 S. ROBERTS ROAD

Date Collected: 04/17/25 17:05
Date Received: 04/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/07/25 00:44
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Dichlorodifluoromethane	0.440	0.200	--	2.18	0.989	--		1
Chloromethane	2.90	0.200	--	5.99	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	0.619	0.200	--	1.58	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	221	5.00	--	416	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	101	1.00	--	240	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	47.7	1.00	--	117	2.46	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	2.90	0.500	--	8.79	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	2.68	0.500	--	7.90	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235
Lab Number: L2524652
Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2524652-07
Client ID: SS-03 2025
Sample Location: 320 S. ROBERTS ROAD

Date Collected: 04/17/25 17:05
Date Received: 04/18/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	10.8	0.200	--	38.1	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.389	0.200	--	1.24	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.220	0.200	--	0.757	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.322	0.200	--	1.50	0.934	--		1
Heptane	0.435	0.200	--	1.78	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.14	0.200	--	4.30	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235
Lab Number: L2524652
Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2524652-07
Client ID: SS-03 2025
Sample Location: 320 S. ROBERTS ROAD

Date Collected: 04/17/25 17:05
Date Received: 04/18/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
p/m-Xylene	0.669	0.400	--	2.91	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.298	0.200	--	1.29	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.255	0.200	--	1.25	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	1.49	0.200	--	8.96	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.190	--	ND	0.996	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	103		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	103		60-140

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235
Lab Number: L2524652
Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2524652-08
Client ID: SS-04 2025
Sample Location: 320 S. ROBERTS ROAD

Date Collected: 04/17/25 16:00
Date Received: 04/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/07/25 01:17
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Dichlorodifluoromethane	0.546	0.200	--	2.70	0.989	--		1
Chloromethane	0.290	0.200	--	0.599	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	71.9	5.00	--	135	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	40.6	1.00	--	96.4	2.38	--		1
Trichlorofluoromethane	0.262	0.200	--	1.47	1.12	--		1
Isopropanol	4.52	1.00	--	11.1	2.46	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.739	0.500	--	2.24	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	7.23	0.500	--	21.3	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235
Lab Number: L2524652
Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2524652-08
Client ID: SS-04 2025
Sample Location: 320 S. ROBERTS ROAD

Date Collected: 04/17/25 16:00
Date Received: 04/18/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.573	0.200	--	2.02	0.705	--		1
1,1,1-Trichloroethane	0.581	0.200	--	3.17	1.09	--		1
Benzene	0.288	0.200	--	0.920	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.200	0.200	--	0.934	0.934	--		1
Heptane	0.365	0.200	--	1.50	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.20	0.200	--	4.52	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235
Lab Number: L2524652
Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2524652-08
Client ID: SS-04 2025
Sample Location: 320 S. ROBERTS ROAD

Date Collected: 04/17/25 16:00
Date Received: 04/18/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
p/m-Xylene	0.689	0.400	--	2.99	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.284	0.200	--	1.23	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.207	0.200	--	1.02	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	0.607	0.200	--	3.65	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.190	--	ND	0.996	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	100		60-140

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235
Lab Number: L2524652
Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2524652-09
Client ID: OA 2025
Sample Location: 320 S. ROBERTS ROAD

Date Collected: 04/17/25 16:55
Date Received: 04/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/06/25 20:44
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Dichlorodifluoromethane	0.443	0.200	--	2.19	0.989	--		1
Chloromethane	0.619	0.200	--	1.28	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.73	1.00	--	8.86	2.38	--		1
Trichlorofluoromethane	0.212	0.200	--	1.19	1.12	--		1
Isopropanol	2.08	1.00	--	5.11	2.46	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235
Lab Number: L2524652
Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2524652-09
Client ID: OA 2025
Sample Location: 320 S. ROBERTS ROAD

Date Collected: 04/17/25 16:55
Date Received: 04/18/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.200	0.200	--	0.705	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235
Lab Number: L2524652
Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2524652-09
Client ID: OA 2025
Sample Location: 320 S. ROBERTS ROAD

Date Collected: 04/17/25 16:55
Date Received: 04/18/25
Field Prep: Not Specified

Sample Depth:

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.190	--	ND	0.996	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	100		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	100		60-140

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235
Lab Number: L2524652
Report Date: 05/08/25

SAMPLE RESULTS

Lab ID: L2524652-09
Client ID: OA 2025
Sample Location: 320 S. ROBERTS ROAD

Date Collected: 04/17/25 16:55
Date Received: 04/18/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/06/25 20:44
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.067	0.020	--	0.421	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	95		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	97		60-140

Project Name: FORMER EDGEWOOD WAREHOUSE **Lab Number:** L2524652

Project Number: 2203235 **Report Date:** 05/08/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/06/25 19:35

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab for sample(s): 01-05,07-09 Batch: WG2063176-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	1.00	--	ND	2.46	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: FORMER EDGEWOOD WAREHOUSE **Lab Number:** L2524652

Project Number: 2203235 **Report Date:** 05/08/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/06/25 19:35

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab for sample(s): 01-05,07-09 Batch: WG2063176-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: FORMER EDGEWOOD WAREHOUSE **Lab Number:** L2524652

Project Number: 2203235 **Report Date:** 05/08/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/06/25 19:35

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab for sample(s): 01-05,07-09 Batch: WG2063176-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.190	--	ND	0.996	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: FORMER EDGEWOOD WAREHOUSE **Lab Number:** L2524652

Project Number: 2203235 **Report Date:** 05/08/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 05/06/25 20:09

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab for sample(s): 01-04,09 Batch: WG2063177-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235

Lab Number: L2524652
Report Date: 05/08/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 01-05,07-09 Batch: WG2063176-3								
Dichlorodifluoromethane	103		-		70-130	-		
Chloromethane	101		-		70-130	-		
Freon-114	118		-		70-130	-		
Vinyl chloride	109		-		70-130	-		
1,3-Butadiene	99		-		70-130	-		
Bromomethane	119		-		70-130	-		
Chloroethane	106		-		70-130	-		
Ethanol	90		-		40-160	-		
Vinyl bromide	102		-		70-130	-		
Acetone	108		-		40-160	-		
Trichlorofluoromethane	109		-		70-130	-		
Isopropanol	100		-		40-160	-		
1,1-Dichloroethene	119		-		70-130	-		
Tertiary butyl Alcohol	90		-		70-130	-		
Methylene chloride	102		-		70-130	-		
3-Chloropropene	83		-		70-130	-		
Carbon disulfide	90		-		70-130	-		
Freon-113	93		-		70-130	-		
trans-1,2-Dichloroethene	84		-		70-130	-		
1,1-Dichloroethane	85		-		70-130	-		
Methyl tert butyl ether	81		-		70-130	-		
2-Butanone	90		-		70-130	-		
cis-1,2-Dichloroethene	98		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235

Lab Number: L2524652
Report Date: 05/08/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 01-05,07-09 Batch: WG2063176-3								
Ethyl Acetate	96		-		70-130	-		
Chloroform	102		-		70-130	-		
Tetrahydrofuran	100		-		70-130	-		
1,2-Dichloroethane	93		-		70-130	-		
n-Hexane	104		-		70-130	-		
1,1,1-Trichloroethane	102		-		70-130	-		
Benzene	106		-		70-130	-		
Carbon tetrachloride	101		-		70-130	-		
Cyclohexane	100		-		70-130	-		
1,2-Dichloropropane	105		-		70-130	-		
Bromodichloromethane	105		-		70-130	-		
1,4-Dioxane	99		-		70-130	-		
Trichloroethene	104		-		70-130	-		
2,2,4-Trimethylpentane	105		-		70-130	-		
Heptane	101		-		70-130	-		
cis-1,3-Dichloropropene	111		-		70-130	-		
4-Methyl-2-pentanone	103		-		70-130	-		
trans-1,3-Dichloropropene	117		-		70-130	-		
1,1,2-Trichloroethane	113		-		70-130	-		
Toluene	103		-		70-130	-		
2-Hexanone	96		-		70-130	-		
Dibromochloromethane	111		-		70-130	-		
1,2-Dibromoethane	112		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235

Lab Number: L2524652
Report Date: 05/08/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 01-05,07-09 Batch: WG2063176-3								
Tetrachloroethene	102		-		70-130	-		
Chlorobenzene	104		-		70-130	-		
Ethylbenzene	102		-		70-130	-		
p/m-Xylene	105		-		70-130	-		
Bromoform	110		-		70-130	-		
Styrene	106		-		70-130	-		
1,1,2,2-Tetrachloroethane	113		-		70-130	-		
o-Xylene	104		-		70-130	-		
4-Ethyltoluene	107		-		70-130	-		
1,3,5-Trimethylbenzene	106		-		70-130	-		
1,2,4-Trimethylbenzene	108		-		70-130	-		
Benzyl chloride	79		-		70-130	-		
1,3-Dichlorobenzene	111		-		70-130	-		
1,4-Dichlorobenzene	112		-		70-130	-		
1,2-Dichlorobenzene	108		-		70-130	-		
1,2,4-Trichlorobenzene	104		-		70-130	-		
Naphthalene	89		-		70-130	-		
Hexachlorobutadiene	96		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235

Lab Number: L2524652
Report Date: 05/08/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Air Lab Associated sample(s): 01-04,09 Batch: WG2063177-3								
Vinyl chloride	108		-		70-130	-		25
1,1-Dichloroethene	110		-		70-130	-		25
cis-1,2-Dichloroethene	97		-		70-130	-		25
1,1,1-Trichloroethane	98		-		70-130	-		25
Carbon tetrachloride	99		-		70-130	-		25
Trichloroethene	99		-		70-130	-		25
Tetrachloroethene	93		-		70-130	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235

Lab Number: L2524652
Report Date: 05/08/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 01-05,07-09 QC Batch ID: WG2063176-5 QC Sample: L2524652-04 Client ID: IA-04 2025						
Dichlorodifluoromethane	0.438	0.455	ppbV	4		25
Chloromethane	0.615	0.622	ppbV	1		25
Freon-114	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	99.6	102	ppbV	2		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	10.4	10.1	ppbV	3		25
Trichlorofluoromethane	0.214	0.221	ppbV	3		25
Isopropanol	129	124	ppbV	4		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	1.81	2.09	ppbV	14		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	0.857	0.893	ppbV	4		25
Ethyl Acetate	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235

Lab Number: L2524652
Report Date: 05/08/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 01-05,07-09 QC Batch ID: WG2063176-5 QC Sample: L2524652-04 Client ID: IA-04 2025						
Chloroform	0.221	0.246	ppbV	11		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	0.251	0.266	ppbV	6		25
Benzene	ND	ND	ppbV	NC		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	0.378	0.390	ppbV	3		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	0.767	0.770	ppbV	0		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235

Lab Number: L2524652
Report Date: 05/08/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 01-05,07-09 QC Batch ID: WG2063176-5 QC Sample: L2524652-04 Client ID: IA-04 2025						
p/m-Xylene	ND	ND	ppbV	NC		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Naphthalene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235

Lab Number: L2524652
Report Date: 05/08/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Air Lab Associated sample(s): 01-04,09 QC Batch ID: WG2063177-5 QC Sample: L2524652-04 Client ID: IA-04 2025						
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	1.27	1.29	ppbV	2		25
1,1,1-Trichloroethane	4.35	4.36	ppbV	0		25
Carbon tetrachloride	0.070	0.069	ppbV	1		25
Trichloroethene	1.95	1.99	ppbV	2		25
Tetrachloroethene	0.114	0.114	ppbV	0		25

Project Name: FORMER EDGEWOOD WAREHOUSE

Lab Number: L2524652

Project Number: 2203235

Report Date: 05/08/25

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt	Flow Controler Leak Chk	Flow Out mL/min	Flow In	% RPD
L2524652-01	IA-01 2025	01213	Flow 5	04/15/25	516255		-	-	-	Pass	4.5	4.8	6
L2524652-01	IA-01 2025	3159	2.7L Can	04/15/25	516255	L2517685-02	Pass	-29.2	-9.9	-	-	-	-
L2524652-02	IA-02 2025	01883	Flow 5	04/15/25	516255		-	-	-	Pass	4.5	4.4	2
L2524652-02	IA-02 2025	2787	2.7L Can	04/15/25	516255	L2517685-02	Pass	-29.3	-9.4	-	-	-	-
L2524652-03	IA-03 2025	01310	Flow 5	04/15/25	516255		-	-	-	Pass	4.5	4.4	2
L2524652-03	IA-03 2025	2041	2.7L Can	04/15/25	516255	L2517685-02	Pass	-29.2	-10.9	-	-	-	-
L2524652-04	IA-04 2025	0400	Flow 5	04/15/25	516255		-	-	-	Pass	4.5	4.4	2
L2524652-04	IA-04 2025	3212	2.7L Can	04/15/25	516255	L2517685-02	Pass	-29.3	-9.2	-	-	-	-
L2524652-05	SS-01 2025	01284	Flow 5	04/15/25	516255		-	-	-	Pass	4.5	4.2	7
L2524652-05	SS-01 2025	3755	2.7L Can	04/15/25	516255	L2517685-02	Pass	-29.1	-11.2	-	-	-	-
L2524652-06	SS-02 2025	0984	Flow 5	04/15/25	516255		-	-	-	Pass	4.5	0.0	200
L2524652-06	SS-02 2025	2182	2.7L Can	04/15/25	516255	L2517685-02	Pass	-29.1	-28.6	-	-	-	-
L2524652-07	SS-03 2025	0233	Flow 5	04/15/25	516255		-	-	-	Pass	4.5	4.2	7
L2524652-07	SS-03 2025	2825	2.7L Can	04/15/25	516255	L2517685-02	Pass	-29.2	-11.2	-	-	-	-
L2524652-08	SS-04 2025	0958	Flow 5	04/15/25	516255		-	-	-	Pass	4.5	4.8	6

Project Name: FORMER EDGEWOOD WAREHOUSE

Lab Number: L2524652

Project Number: 2203235

Report Date: 05/08/25

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt	Flow Controler Leak Chk	Flow Out mL/min	Flow In	% RPD
L2524652-08	SS-04 2025	425	2.7L Can	04/15/25	516255	L2517685-02	Pass	-29.1	-7.5	-	-	-	-
L2524652-09	OA 2025	01377	Flow 5	04/15/25	516255		-	-	-	Pass	4.5	4.2	7
L2524652-09	OA 2025	3423	2.7L Can	04/15/25	516255	L2517685-02	Pass	-29.1	-10.2	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2517685
Report Date: 05/08/25

Air Canister Certification Results

Lab ID: L2517685-02
Client ID: CAN 3414 SHELF 4
Sample Location:

Date Collected: 03/25/25 18:00
Date Received: 03/26/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/26/25 18:27
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	1.00	--	ND	2.46	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2517685
Report Date: 05/08/25

Air Canister Certification Results

Lab ID: L2517685-02
Client ID: CAN 3414 SHELF 4
Sample Location:

Date Collected: 03/25/25 18:00
Date Received: 03/26/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2517685
Report Date: 05/08/25

Air Canister Certification Results

Lab ID: L2517685-02
Client ID: CAN 3414 SHELF 4
Sample Location:

Date Collected: 03/25/25 18:00
Date Received: 03/26/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2517685

Project Number: CANISTER QC BAT **Report Date:** 05/08/25

Air Canister Certification Results

Lab ID: L2517685-02
Client ID: CAN 3414 SHELF 4
Sample Location:

Date Collected: 03/25/25 18:00
Date Received: 03/26/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	0.996	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2517685

Project Number: CANISTER QC BAT **Report Date:** 05/08/25

Air Canister Certification Results

Lab ID: L2517685-02
Client ID: CAN 3414 SHELF 4
Sample Location:

Date Collected: 03/25/25 18:00
Date Received: 03/26/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	79		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	80		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2517685

Project Number: CANISTER QC BAT **Report Date:** 05/08/25

Air Canister Certification Results

Lab ID: L2517685-02
Client ID: CAN 3414 SHELF 4
Sample Location:

Date Collected: 03/25/25 18:00
Date Received: 03/26/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/26/25 18:27
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2517685
Report Date: 05/08/25

Air Canister Certification Results

Lab ID: L2517685-02
Client ID: CAN 3414 SHELF 4
Sample Location:

Date Collected: 03/25/25 18:00
Date Received: 03/26/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2517685
Report Date: 05/08/25

Air Canister Certification Results

Lab ID: L2517685-02
Client ID: CAN 3414 SHELF 4
Sample Location:

Date Collected: 03/25/25 18:00
Date Received: 03/26/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	85		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	86		60-140

Project Name: FORMER EDGEWOOD WAREHOUSE
Project Number: 2203235

Lab Number: L2524652
Report Date: 05/08/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2524652-01A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2524652-02A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2524652-03A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2524652-04A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2524652-05A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2524652-06A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		CANCELLED()
L2524652-07A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2524652-08A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2524652-09A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	FORMER EDGEWOOD WAREHOUSE	**Lab Number:**	L2524652
Project Number:	2203235	**Report Date:**	05/08/25

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	FORMER EDGEWOOD WAREHOUSE	**Lab Number:**	L2524652
Project Number:	2203235	**Report Date:**	05/08/25

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: *Data Usability Report*

Project Name:	FORMER EDGEWOOD WAREHOUSE	**Lab Number:**	L2524652
Project Number:	2203235	**Report Date:**	05/08/25

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: FORMER EDGEWOOD WAREHOUSE **Lab Number:** L2524652

Project Number: 2203235 **Report Date:** 05/08/25

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
MADEP-APH.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

AIR ANALYSIS

PAGE 1 OF 1

ALPHA ANALYTICAL — CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/19/25

ALPHA Job #: L2524652

Client Information

Client: LaBella Associates
Address: 300 Pearl ST Buffalo, NY
Phone: 716-551-6281
Fax:
Email: Scampana@LaBellaPC.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Former Edgewood Warehouse
Project Location: 320 S. Roberts Road
Project #: 2203235
Project Manager: Stephen Campana
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #: 2203235

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	ANALYSIS TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	☐	Sample Comments (i.e. PID)
24652-01	IA-01 2025	4/17/25	10:00	4:40	-29.2	-9.30	AA	GH	2.7L	3159	0243	X	X					
02	IA-02 2025	4/17/25	10:25	5:00	-29.3	-10.45	AA	GH	2.7L	2787	01553	X	X					
03	IA-03 2025	4/17/25	10:50	5:15	-29.2	-12.01	AA	GH	2.7L	2041	01310	X	X					
04	IA-04 2025	4/17/25	9:20	4:45	-29.3	-9.18	AA	GH	2.7L	3242	0400	X	X					0.1 ppm
05	SS-01 2025	4/17/25	10:35	4:57	-29.1	-10.61	SV	GH	2.7L	3755	01284	X						
06	SS-02 2025	4/17/25	10:15	2:30	-29.6	-29.6	SV	GH	2.7L	2452	0984	X						0.0 ppm Issue w/ Regulator
07	SS-03 2025	4/17/25	10:45	5:05	-29.2	-12.16	SV	GH	2.7L	2525	0233	X						
08	SS-04 2025	4/17/25	9:30	4:00	-29.1	-8.02	SV	GH	2.7L	425	0958	X						
09	OA-~~dup~~ 2025	4/17/25	11:00	4:55	-29.1	-10.72	AA	GH	2.7L	3423	01377	X	X					

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time:
Gabriel Hasley	4/18 8:10	PACE	4-18-25 8:10
PACE	4/18/25 8:10		4/18/25 2200
Russell B Bixby	4-18-25 15:14		
	4/19/25 0200	PACE 04/19/25 03:00	PACE 04/19/25 03:40

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

$540 SR 4/19/25 Dup of 04

Form No: 101-02 Rev: (25-Sep-15)