

Our ref: 12656942

February 06, 2025

Mr. Darryl Burgess, CSHM, CESCO
Jenesis Development, LLC
1 Robert Rich Way
Buffalo, NY 14213

Oliver Gear Building 2024 Sub-Slab Soil Vapor and Indoor Air Sampling Report

Dear Mr. Burgess:

GHD Services, Inc. (GHD) is pleased to submit this Sub-Slab Soil Vapor and Indoor Air Sampling Report (Report) to Jenesis Development, LLC (Jenesis) to document the sub-slab soil vapor (SSV) and indoor air sampling activities conducted at the former Oliver Gear building (Building) located at 1112 and 1114 Niagara Street, Buffalo, New York (Site). It is GHD's understanding that Jenesis intends to start occupying the Building in the near future, and requested that indoor air and SSV at the Building be sampled. The purpose of the Report is to provide details for both the SSV and indoor air sampling, sample locations, method of collection, method of analysis, sample results, and conclusions.

1. Scope of Work

GHD performed the sample collection and reporting activities from December 16 through December 20, 2024:

1. **Building Inventory** – Prior to installing the SSV points, GHD conducted a building inventory at the former Oliver Gear Building in accordance with NYSDOH SVI Guidance to determine the presence and quantity of any chemicals that are currently stored at the Building. The building inventory was conducted on December 16, 2024.

The building is currently being used as a storage area for Rich Products. The majority of the items being stored at the building are various office furniture, including desks, file cabinets, chairs, and other office items.

GHD identified the following items during the building inventory at the general locations presented on Figure 2:

- a. Multiple pails (3 to 4 gallons each) of Tri-Seal Adhesive Residue Encapsulator; located in the main warehouse in the vicinity of Samples IA-002 and SS-003.
- b. Multiple sealed boxes of hand sanitizer spray; located in the main warehouse in the vicinity of Samples IA-002 and SS-003.
- c. Multiple sealed boxes of cleaner disinfectant wipes (containing hydrogen peroxide and ethyl alcohol); located in the main warehouse in the vicinity of Samples IA-002 and SS-003.
- d. One bucket of XL Brands Set Screen Adhesive; located in the main warehouse in the vicinity of Samples IA-002 and SS-003.

- e. One bucket (4 gallons) of Pro Series luxury vinyl flooring adhesive; located in the main warehouse in the vicinity of Samples IA-002 and SS-003.
- f. Two buckets (4 gallons each) of Fast Grab Fiberglass Wall Panel Adhesive; located in the main warehouse in the vicinity of Samples IA-002, SS-003, IA-004, and SS-005.
- g. Three drums labeled as “waste paint,” located within 55 feet of samples IA-004 and SS-005.
- h. Multiple containers of used oil; located within 55 feet of samples IA-004 and SS-005.

In addition to the chemicals listed above, GHD observed snow removal equipment and battery charging stations in the shipping area, in the vicinity of Samples IA-008 and SS-009.

2. **Installation of Sub-Slab Vapor Monitoring Points** – The sub-slab vapor assessment was conducted in accordance with the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006, and including all subsequent updates and revisions. The SSV assessment was conducted in order to investigate the potential for contaminants in the subsurface to volatilize from soil and groundwater to soil gas within the unsaturated overburden at the Site. In order to evaluate the potential for vapor intrusion into the Site building, GHD installed and collected samples from six permanent SSV points. The six SSV points were installed on December 16, 2024, at locations identified as Locations 1 through 6, which were placed in the north half of the main warehouse, the south half of the main warehouse, in one of the rooms west of the main warehouse, in the shipping area, in the west garage, and in the east basement. The locations of the SSV points are presented on Figure 1. One SSV sample was collected from each of these locations.

Each SSV probe was installed by drilling a 1.5-inch diameter hole into the concrete slab to a depth of approximately 1.75 inches, using a hammer drill and spline bit. After the 1.5-inch diameter whole was drilled to a proper depth, the drill bit was replaced with a 5/8-inch drill bit, and a 5/8-inch diameter hole was drilled (through the center of the 1.5-inch hole) through the remainder of the concrete slab. Before drilling, the location of all sub-slab utilities, both public and building-specific, were identified and marked. No water was used during the installation of the probe.

After drilling through the slab, the slab thickness was measured and recorded to be approximately 6 inches thick at each sub-slab sampling location. After the hole was drilled at each SSV location, a brass Vapor Pin sampling device was inserted into each hole. A Vapor Pin sleeve was installed over the bottom end of the Vapor Pin sampling device, below the brass barb fitting. The lower end of the Vapor Pin sampling device was lowered into the 5/8-inch diameter hole, inside the 1.5-inch hole. The Vapor Pin sampling device was then hammered into place in the SSV point. While hammering the sampling device into place, the Vapor Pin sleeve formed a bulge to create a seal between the 5/8-inch diameter hole and the Vapor Pin sampling device. A Vapor Pin cap was then placed over the open end of the Vapor Pin in order to prevent vapor loss prior to sampling.

Drilling and sampling equipment were decontaminated between each SSV point by washing the drill bits with an Alconox detergent solution and rinsing with distilled water.

3. **Collection of Sub-Slab Soil Vapor Samples** - The SSV samplers were deployed on December 19, 2024, which was 72 hours after the installation of the SSV Vapor Pins. The 72-hour wait was to allow equilibration time since oxygen can be introduced into anaerobic portions of the vadose zone during SSV probe installation. In addition, sampling was not performed during or within 24 hours of a significant rain event. The SSV samples were retrieved on December 20, 2024.

The SSV samples were collected using 1.4-liter capacity Summa™ canisters fitted with a laboratory calibrated critical orifice flow regulation device sized to allow the collection of the SSV samples over a 24-hour sample collection time. Only canisters that were laboratory batch-certified clean at the 100 percent level were used for sampling. The 24-hour sample collection time for a 1.4-liter capacity Summa™ canister corresponds to a maximum SSV sample collection flow rate of approximately 0.001 liters per minute (L/min). This SSV sample collection flow rate was well below the maximum flow rate of 0.2 L/min recommended by NYSDOH (2006). A maximum flow rate of 0.1 L/min is recommended to limit VOC

stripping from soil, prevent the short-circuiting of ambient air from ground surface that would dilute the SSV sample, and increase confidence regarding the location from which the SSV sample is obtained. The low flow rate of 0.001 L/min provides the most representative sample of in-situ conditions.

Prior to sample collection, each of the six SSV probes were purged at a flow rate of approximately 0.1 L/min. Three SSV probe "dead volumes" were purged at each location using a low-flow air pump to remove potentially stagnant air from the internal volume of the SSV Vapor Pin and ensure that SSV representative of the porous media beneath the slab was drawn into the Summa™ canister. The SSV probe "dead volumes" were calculated based on field measurements of probe construction (i.e., tubing length and tubing inner diameter) and above ground sampling equipment. The dead volume for each SSV point (including the volume of sample tubing) was calculated to be approximately 0.036 liters, with three "dead volumes" calculated to be approximately 0.1liters. Therefore, each point was purged at a rate of 0.1 L/min for one minute each to remove the three "dead volumes."

During the purging of "dead volumes," each SSV point was "leak tested" in accordance with procedures described by Vapor Pin Enterprises, Inc., who provided the Vapor Pins that were installed at each SSV location. At each SSV location, after tubing was installed over the end of the Vapor Pin hose barb, water was poured into the larger 1.5-inch diameter hole, above the end of the Vapor Pin hose barb. During the purging of the SSV location, the water level in the hole was observed to see if the water was either lost to the sub-slab or to the sample tubing during purging. For five of the six SSV locations, (at Locations 1, 3, 4, 5, and 6), the water surrounding the vapor pin remained stable during purging, indicating a seal around the vapor pin and around the sample tubing. The water at Location 2 (sample SS-005) was observed to be slowly lowering around the vapor pin, down to the sub-slab. As a result, GHD installed Sika Pro-Select concrete crack repair sealant around the brass barb fitting of the Vapor Pin at Location 2 to confirm a seal around the Vapor Pin.

Once the sub-slab vapor sample was collected, a flush-mount cover was installed over the Vapor Pin location.

4. **Collection of Indoor and Outdoor Air Samples** – Concurrently with the SSV samples, indoor and outdoor ambient air samples were collected from the Site building. Indoor air samples were collected at the same locations as the six SSV samples. The samples were collected from the breathing zone between 3 and 5 feet above the ground/floor surface in the same general area as the sub-slab sample. Indoor air samples were collected using 1.4-liter capacity Summa™ canisters fitted with a laboratory-calibrated critical orifice flow regulation device sized to allow the collection of the sub-slab vapor samples over a 24-hour period.

One ambient outdoor air sample was collected upwind of the building concurrently with the sub-slab and indoor air samples as an ambient background check. The location of the outdoor air sample (OA-001) is presented in Figure 1. The ambient outdoor air sample was collected from the breathing zone between 3 feet and 5 feet above the ground surface over a 24-hour duration. The 24-hour sample collection time for a 1.4-liter capacity Summa™ canister corresponds to a maximum flow rate of approximately 0.001 L/min.

5. **Sample Collection and Analysis** – All SSV and indoor air samples were analysed following the USEPA's TO-15 gas GC/MS methodology and were completed by EMSL Analytical of Cinnaminson, New Jersey. The results of the sub-slab vapor and indoor air assessments are discussed in Section 2.

2. Sub-Slab Vapor and Indoor Air Sampling Results

The NYSDOH SVI Guidance document provides general guidelines for the collection of vapor samples and for the evaluation of the resulting laboratory data. The NYSDOH guidelines focus on 20 primary chemicals when evaluating the laboratory data and the application of the laboratory results for those chemicals to six decision matrices provided in the guidance. The table below presents the 20 primary chemicals along with the corresponding NYSDOH decision matrix used to determine the actions required for compound detections.

| <i>Chemical</i> | <i>Soil Vapor & Indoor Air Matrix</i> |
|-------------------------------------|---|
| Carbon tetrachloride | Matrix A |
| 1,1-dichloroethene | Matrix A |
| <i>Cis</i> -1,2-dichloroethene | Matrix A |
| Trichloroethene | Matrix A |
| Methylene chloride | Matrix B |
| Tetrachloroethene | Matrix B |
| 1,1,1-Trichloroethane | Matrix B |
| Vinyl Chloride | Matrix C |
| Benzene | Matrix D |
| Ethylbenzene | Matrix D |
| Naphthalene | Matrix D |
| Cyclohexane | Matrix D |
| Isooctane (2,2,4- Trimethylpentane) | Matrix D |
| 1,2,4-Trimethylbenzene | Matrix D |
| 1,3,5-Trimethylbenzene | Matrix D |
| <i>o</i> -Xylene | Matrix D |
| <i>m,p</i> -Xylene | Matrix E |
| Heptane | Matrix E |
| Hexane | Matrix E |
| Toluene | Matrix F |

The concentrations of the detected chemicals in both SSV and indoor air are applied to the matrix to determine the appropriate response action to address the potential for SSV intrusion. The possible response scenarios are: 1) No further action; 2) Identify source(s) or re-sample or mitigate; 3) Monitor; and 4) Mitigate.

The SSV, indoor air, and outdoor air data are presented on Table 1. Sample locations are shown on Figure 1. The laboratory report with the samples results is included as Attachment A. Of the twenty primary chemicals, the following 14 chemicals were detected in the SSV at the Site:

| | | |
|--------------------|--------------------------------|-----------------------|
| 1,1-dichloroethene | <i>Cis</i> -1,2-dichloroethene | Trichloroethene |
| Methylene Chloride | Tetrachloroethene | 1,1,1-Trichloroethane |
| Vinyl chloride | Benzene | Ethylbenzene |
| Cyclohexane | <i>o</i> -Xylene | <i>m,p</i> -Xylene |
| Hexane | Toluene | |

The recommended actions based on comparison of the data to the NYSDOH Soil Vapor/Indoor Air matrices are presented in the following table for the SSV samples:

| | Sub-Slab Vapor Samples | | | | | |
|--------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| | Location 1 (SS-003) | Location 2 (SS-005) | Location 3 (SS-007) | Location 4 (SS-009) | Location 5 (SS-011) | Location 6 (SS-013) |
| 1,1-dichloroethene | ND | ND | ND | ND | ND | X |
| <i>Cis</i> -1,2-dichloroethene | ND | ND | ND | ND | ND | X |
| Trichloroethene | ND | ND | ND | ND | ND | X |
| Methylene Chloride | ND | ND | ND | ND | ND | ○ |
| Tetrachloroethene | ND | ND | ND | ND | ND | ○ |
| 1,1,1-Trichloroethane | ○ | ND | ND | ND | ND | X |
| Vinyl chloride | ND | ND | ND | ND | ND | X |
| Benzene | ND | ○ | ○ | ○ | ND | ○ |
| Ethylbenzene | ND | ○ | ○ | ○ | ND | ○ |
| Cyclohexane | ND | ○ | ○ | ○ | ND | ND |
| <i>o</i> -Xylene | ND | ○ | ○ | ○ | ND | ○ |
| <i>m,p</i> -Xylene | ND | ○ | ○ | ○ | ND | ○ |
| Hexane | ND | ○ | ○ | ○ | ND | ○ |
| Toluene | ○ | ○ | ○ | ○ | ○ | ○ |

Notes:

○: No further action

ND: Not detected

X: Mitigate

The results of the on-site SSV sampling compared to the indoor air sampling indicate that no further action would be required at Locations 1 through 5, which are all on the main floor of the warehouse and associated rooms. The only location where mitigation would be appropriate is Location 6 (Samples IA-012 and SS-013), which is located in the basement on the east side of the property along Niagara Street. The results of the SSV and indoor air sampling at Location 6 indicate that mitigation would be appropriate based on comparison of the data to the NYSDOH matrices. The recommended action of mitigation is based on the observed concentrations of 1,1-dichloroethene, cis-1,2-dichloroethene, trichloroethene, 1,1,1-trichloroethane, and vinyl chloride at the time of sampling.

It should be noted that the SSV at Location 6 is confined by the floor slab and building footer in the basement, and that the basement is currently not typically occupied. The indoor air results at Location 6 are all non-detect or detected at low-level detections. The response scenario of mitigation is driven by the magnitude of the SSV concentrations. There are currently no observed pathways for sub-slab vapors to transport into the indoor air in the basement of the building.

3. Conclusions and Recommendations

Based on the results of the SSV and indoor air sampling at six locations at the Oliver Gear building, the only location where a response scenario of “mitigation” is recommended, based on the NYSDOH decision matrices, is Location 6, which is located in the basement in the east portion of the building. For the other five locations, the sub-slab vapor and indoor air sample results indicated a response scenario of “no further action.”

In order to mitigate soil vapor intrusion in the basement of the Oliver Gear Building, GHD recommends the sealing of potential subsurface vapor entry points in the basement as well as installing a sub-slab depressurization (SSD) system beneath the basement slab, in accordance with the NYSDOH SVI Guidance document. A SSD system uses a fan-powered vent and piping to draw vapors from the soil beneath the building's slab (i.e., essentially creating a vacuum beneath the slab) and discharge them to the atmosphere. This results in lower sub-slab air pressure relative to indoor air pressure, which prevents the infiltration of SSV into the building. An SSD system is not intended to remediate the source of SSV (e.g., contaminated groundwater, soil, etc.), but rather it is designed to minimize the infiltration of SSV into a building. Note that the Phase II environmental site investigation completed at the Site did not indicate the presence of contaminated groundwater or soil at the sampling locations. The presence of impacted SSV is likely the result of migration from an off-Site source(s).

A typical SSD system that would be installed in the basement would consist of the following components:

- Suction points – consisting of the coring of 3-inch borings through the slab, after which 1-2 cubic feet of sub-slab material would be removed. A 3-inch Schedule 40 PVC pipe would be inserted in the borings and sealed with a polyurethane sealant.
- Riser piping – consisting of 3-inch Schedule 40 PVC piping that follows a route to a piping “T,” and then to an exterior mounted vacuum/exhaust fan, through a sidewall or roof penetration.
- Overhead piping – the overhead piping would be 3-inch diameter Schedule 40 PVC piping that runs overhead in the building and conducts the vapor from the extraction points to the exhaust fans.
- Exhaust fans – overhead piping would be connected to one or more exhaust fans located on the exterior of the building. The fans would have an exterior disconnect switch and could also be switched off at electrical panels by turning off a circuit breaker. Exhaust stacks from the fans would be extended to 2 feet above the roofline, and capped with a 90-degree PVC elbow to prevent rainwater from entering the exhaust piping.
- Carbon filter – if required, a carbon filter would be connected to the fan exhaust in order to filter soil vapor prior to discharge through the fan exhaust piping.

- Instrumentation and control - there would be no centralized instrumentation or control required for the SSD system. Individual fans could be turned off either at the roof-positioned disconnect (a switch located within 5 feet of the fan) or at the circuit breaker. Each exhaust fan system would be equipped with a vacuum indicator mounted in a visible location on or near a riser pipe. The indicator would consist of an oil filled U-tube style manometer. The oil inside the manometer would be permanent and would not require replacement. The indicator would be inspected by observing the level of colored fluid. This indicator is designed primarily to give a simple visual check that a vacuum is present in the riser pipe, specifically by observation that the fluid levels on each side of the indicator are not even. If the fluid levels in the manometer are even, the property owner would be informed to contact the responsible party or contractor (provided written contact information – names, phone numbers, etc.).
- Sealing measures – polyurethane sealants and mechanical barriers would be applied to floor cracks, slab penetrations, and other openings to enhance barriers between sub-slab and ambient air and improve the efficiency of the SSD system.
- Test points – test points would consist of 3/4-inch points that are drilled through the slab into which a digital micromanometer could be inserted. They would be established to aid in confirmatory testing.

Should Genesis choose to implement a typical SSD system in the basement of the Oliver Gear building, as method of mitigating that area, GHD estimates the cost for installation of a system to range between \$20,000-\$35,000. This estimated cost does not include maintenance, inspection, and monitoring of the system.

GHD appreciates the opportunity to provide this SSV and indoor air sampling report to Genesis. Please contact the undersigned if you have any questions.

Regards,

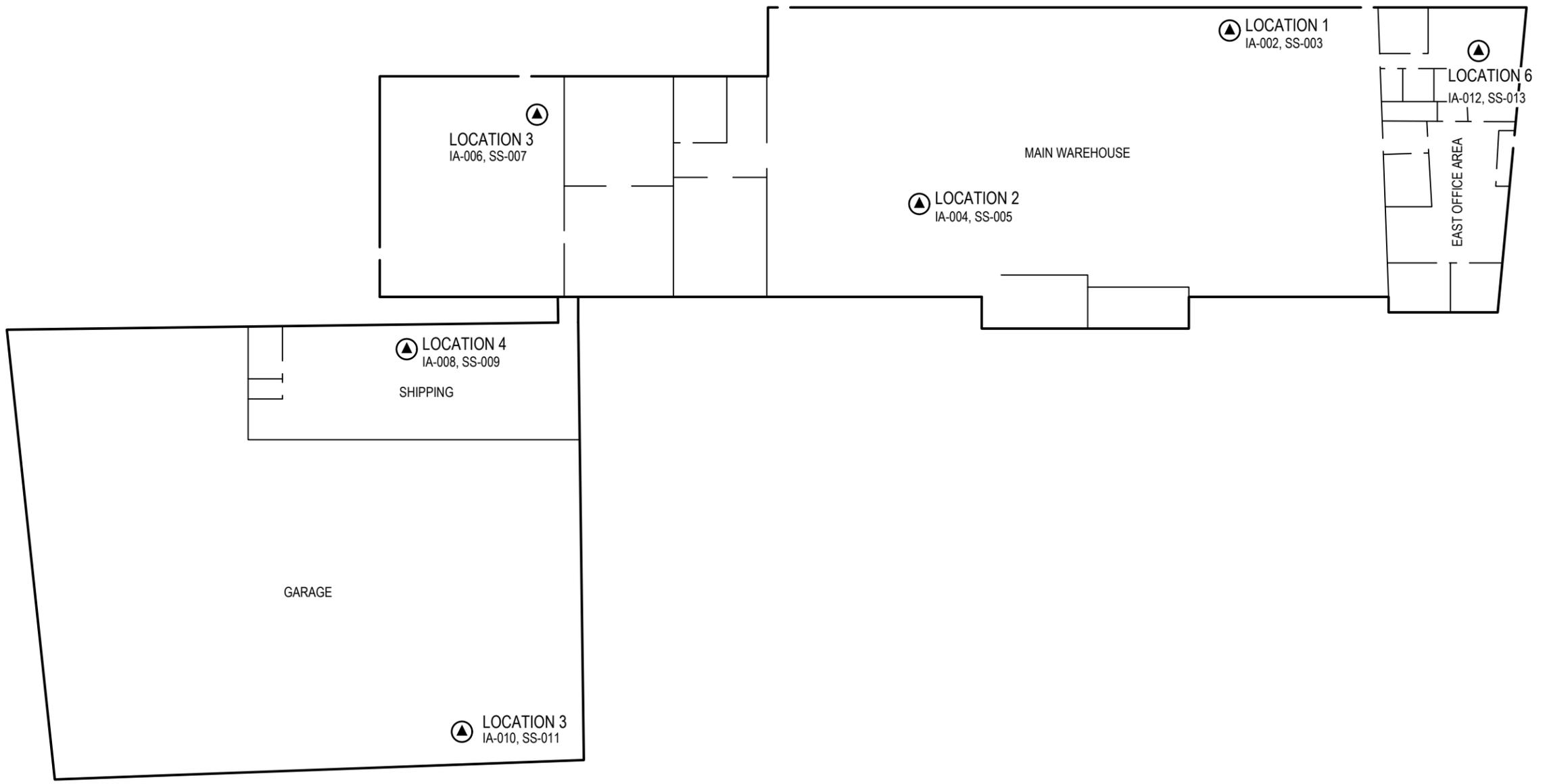


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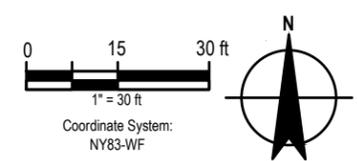


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OA-001



LEGEND
 ▲ SUB-SLAB SOIL VAPOR AND INDOOR AIR SAMPLE LOCATIONS
 △ OUTDOOR AIR SAMPLE LOCATION



OLIVER GEAR
 1120 NIAGARA STREET, BUFFALO, NY 14213
2024 SUB-SLAB SOIL VAPOR, INDOOR AIR, AND OUTDOOR AIR SAMPLE LOCATIONS

Project No. 12656942
 Date January 2025

FIGURE 1

OA-001

3 DRUMS OF WASTE PAINT, VARIOUS BOTTLES OF USED OIL

XL BRANDS GRID SET SCREEN ADHESIVE
LUXURY VINYL FLOOR ADHESIVE

BOXES OF HAND SANITIZER, CLEANER DISINFECTANT WIPES

LOCATION 3
IA-006, SS-007

LOCATION 1
IA-002, SS-003

LOCATION 6
IA-012, SS-013

LOCATION 2
IA-004, SS-005

LOCATION 4
IA-008, SS-009

SHIPPING

BATTERY
CHARGING
STATION

GARAGE

LOCATION 3
IA-010, SS-011

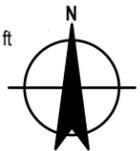
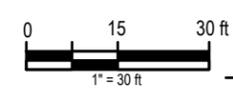
TRI-SEAL ADHESIVE ENCAPSULATOR

MAIN WAREHOUSE

EAST OFFICE AREA

2 BUCKETS OF FAST GRAB FIBERGLASS WALL PANEL ADHESIVE

- LEGEND**
-  SUB-SLAB SOIL VAPOR AND INDOOR AIR SAMPLE LOCATIONS
 -  OUTDOOR AIR SAMPLE LOCATION



OLIVER GEAR
1120 NIAGARA STREET, BUFFALO, NY 14213

Project No. 12656942
Date January 2025

BUILDING INVENTORY LOCATIONS

FIGURE 2

Table 1
Analytical Results Summary - Sub-Slab Vapor and Indoor Air Sampling
2024 Sub-Slab Soil Vapor and Indoor Air Sampling Report
Oliver Gear Building - 1112 and 1114 Niagara Street
Buffalo, New York

| SampleID SampleID Canister Date Time EMSL_SAMPLE_ID | Outdoor Air | | Location 1 | | | | Location 2 | | | | Location 3 | | | | Location 4 | | | | Location 5 | | | | Location 6 | | | | | | | | | | | | |
|--|---|--------|---|---|---|---|---|---|---|---|--|--|---|--|------------|--------|--------|-------|------------|--------|-------|-------|------------|--------|-------|-------|--------|--------|-------|-------|--------|--------|---------|----------|--|
| | OA-001 HD2140 12/19/2024 09:15 49016-01 | | IA-002 HD2182 12/19/2024 09:30 49016-02 | SS-003 HD2699 12/19/2024 09:40 49016-03 | IA-004 HD2751 12/19/2024 09:45 49016-04 | SS-005 HD2790 12/19/2024 10:00 49016-05 | IA-006 HD2870 12/19/2024 10:10 49016-06 | SS-007 HD9545 12/19/2024 10:20 49016-07 | IA-008 HD9557 12/19/2024 10:30 49016-08 | SS-009 HD9562 12/19/2024 10:40 49016-09 | IA-010 HD11722 12/19/2024 10:50 49016-10 | SS-011 HD11725 12/19/2024 11:10 49016-11 | IA-012 HD2272 12/19/2024 11:25 49016-12 | SS-013 HD11714 12/19/2024 11:35 49016-13 | | | | | | | | | | | | | | | | | | | | | |
| Target Compounds | ppbv | ug/m3 | ppbv | ug/m3 | ppbv | ug/m3 | ppbv | ug/m3 | ppbv | ug/m3 | ppbv | ug/m3 | ppbv | ug/m3 | ppbv | ug/m3 | ppbv | ug/m3 | ppbv | ug/m3 | ppbv | ug/m3 | ppbv | ug/m3 | ppbv | ug/m3 | ppbv | ug/m3 | ppbv | ug/m3 | ppbv | ug/m3 | ppbv | ug/m3 | |
| Isopropyl benzene | 0.20 U | 1.0 U | 0.20 U | 1.0 U | 1.0 U | 4.9 U | 0.20 U | 1.0 U | 1.0 U | 4.9 U | 0.20 U | 1.0 U | 1.0 U | 4.9 U | 0.20 U | 1.0 U | 1.0 U | 4.9 U | 0.20 U | 1.0 U | 1.0 U | 4.9 U | 0.20 U | 1.0 U | 1.0 U | 4.9 U | 0.20 U | 1.0 U | 1.0 U | 4.9 U | 0.20 U | 1.0 U | 1.0 U | 4.9 U | |
| Methyl methacrylate | 0.20 U | 0.82 U | 0.20 U | 0.82 U | 1.0 U | 4.1 U | 0.20 U | 0.82 U | 1.0 U | 4.1 U | 0.20 U | 0.82 U | 1.0 U | 4.1 U | 0.20 U | 0.82 U | 1.0 U | 4.1 U | 0.20 U | 0.82 U | 1.0 U | 4.1 U | 0.20 U | 0.82 U | 1.0 U | 4.1 U | 0.20 U | 0.82 U | 1.0 U | 4.1 U | 0.20 U | 0.82 U | 1.0 U | 4.1 U | |
| Methyl tert butyl ether (MTBE) | 0.20 U | 0.72 U | 0.20 U | 0.72 U | 1.0 U | 3.6 U | 0.20 U | 0.72 U | 1.0 U | 3.6 U | 0.20 U | 0.72 U | 1.0 U | 3.6 U | 0.20 U | 0.72 U | 1.0 U | 3.6 U | 0.20 U | 0.72 U | 1.0 U | 3.6 U | 0.20 U | 0.72 U | 1.0 U | 3.6 U | 0.20 U | 0.72 U | 1.0 U | 3.6 U | 0.20 U | 0.72 U | 1.0 U | 3.6 U | |
| Methylene chloride | 0.20 U | 0.69 U | 0.20 U | 0.69 U | 1.0 U | 3.5 U | 0.20 U | 0.69 U | 1.0 U | 3.5 U | 0.20 U | 0.69 U | 1.0 U | 3.5 U | 0.20 U | 0.69 U | 1.0 U | 3.5 U | 0.20 U | 0.69 U | 1.0 U | 3.5 U | 0.20 U | 0.69 U | 1.0 U | 3.5 U | 0.20 U | 0.69 U | 1.0 U | 3.5 U | 0.20 U | 0.69 U | 1.0 U | 3.5 U | |
| Naphthalene | 0.20 U | 1.0 U | 0.20 U | 1.0 U | 1.0 U | 5.2 U | 0.20 U | 1.0 U | 1.0 U | 5.2 U | 0.20 U | 1.0 U | 1.0 U | 5.2 U | 0.20 U | 1.0 U | 1.0 U | 5.2 U | 0.20 U | 1.0 U | 1.0 U | 5.2 U | 0.20 U | 1.0 U | 1.0 U | 5.2 U | 0.20 U | 1.0 U | 1.0 U | 5.2 U | 0.20 U | 1.0 U | 1.0 U | 5.2 U | |
| N-Heptane | 0.20 U | 0.82 U | 0.20 U | 0.82 U | 1.0 U | 4.1 U | 0.20 U | 0.82 U | 1.0 U | 4.1 U | 0.20 U | 0.82 U | 1.0 U | 4.1 U | 0.20 U | 0.82 U | 1.0 U | 4.1 U | 0.20 U | 0.82 U | 1.0 U | 4.1 U | 0.20 U | 0.82 U | 1.0 U | 4.1 U | 0.20 U | 0.82 U | 1.0 U | 4.1 U | 0.20 U | 0.82 U | 1.0 U | 4.1 U | |
| o-Xylene | 0.20 U | 0.87 U | 0.20 U | 0.87 U | 1.0 U | 4.3 U | 0.20 U | 0.87 U | 14 | 61 | 0.20 U | 0.87 U | 75 | 330 | 0.20 U | 0.87 U | 2.1 | 9.3 | 0.20 U | 0.87 U | 1.0 U | 4.3 U | 0.20 U | 0.87 U | 1.0 U | 4.3 U | 0.20 U | 0.87 U | 1.0 U | 4.3 U | 0.20 U | 0.87 U | 1.0 U | 4.3 U | |
| Propylene (propene) | 0.20 U | 0.34 U | 0.20 U | 0.34 U | 1.0 U | 1.7 U | 0.20 U | 0.34 U | 3.6 | 6.1 | 0.20 U | 0.34 U | 1.0 U | 1.7 U | 0.20 U | 0.34 U | 1.0 U | 1.7 U | 0.20 U | 0.34 U | 1.0 U | 1.7 U | 0.20 U | 0.34 U | 1.0 U | 1.7 U | 0.20 U | 0.34 U | 1.0 U | 1.7 U | 0.20 U | 0.34 U | 1.0 U | 1.7 U | |
| Styrene | 0.20 U | 0.85 U | 0.20 U | 0.85 U | 1.0 U | 4.3 U | 0.20 U | 0.85 U | 1.0 U | 4.3 U | 0.20 U | 0.85 U | 1.0 U | 4.3 U | 0.20 U | 0.85 U | 1.0 U | 4.3 U | 0.20 U | 0.85 U | 1.0 U | 4.3 U | 0.20 U | 0.85 U | 1.0 U | 4.3 U | 0.20 U | 0.85 U | 1.0 U | 4.3 U | 0.20 U | 0.85 U | 1.0 U | 4.3 U | |
| tert-Butyl alcohol | 0.20 U | 0.61 U | 0.20 U | 0.61 U | 1.4 | 4.4 | 0.20 U | 0.61 U | 1.0 U | 3.0 U | 0.20 U | 0.61 U | 7.0 | 21 | 0.20 U | 0.61 U | 1.0 U | 3.0 U | 0.20 U | 0.61 U | 1.0 U | 3.0 U | 0.20 U | 0.61 U | 1.0 U | 3.0 U | 0.20 U | 0.61 U | 1.0 U | 3.0 U | 0.20 U | 0.61 U | 1.0 U | 3.0 U | |
| Tetrachloroethene | 0.20 U | 1.4 U | 0.20 U | 1.4 U | 1.0 U | 6.8 U | 0.20 U | 1.4 U | 28 | 190 | 0.20 U | 1.4 U | 1.0 U | 6.8 U | 0.20 U | 1.4 U | 1.0 U | 6.8 U | 0.20 U | 1.4 U | 1.0 U | 6.8 U | 0.20 U | 1.4 U | 1.0 U | 6.8 U | 0.20 U | 1.4 U | 1.0 U | 6.8 U | 0.20 U | 1.4 U | 1.0 U | 6.8 U | |
| Tetrahydrofuran | 0.20 U | 0.59 U | 0.20 U | 0.59 U | 1.0 U | 2.9 U | 0.20 U | 0.59 U | 1.0 U | 2.9 U | 0.20 U | 0.59 U | 1.0 U | 2.9 U | 0.20 U | 0.59 U | 1.0 U | 2.9 U | 0.20 U | 0.59 U | 1.0 U | 2.9 U | 0.20 U | 0.59 U | 1.0 U | 2.9 U | 0.20 U | 0.59 U | 1.0 U | 2.9 U | 0.20 U | 0.59 U | 1.0 U | 2.9 U | |
| Toluene | 0.20 U | 0.75 U | 0.80 | 3.0 | 2.5 | 9.5 | 0.48 | 1.8 | 3.5 | 13 | 0.26 | 1.0 | 2.8 | 11 | 0.21 | 0.80 | 5.9 | 22 | 0.20 U | 0.75 U | 1.5 | 5.7 | 0.24 | 0.91 | 14 | 52 | 0.20 U | 0.75 U | 1.5 | 5.7 | 0.24 | 0.91 | 14 | 52 | |
| trans-1,2-Dichloroethene | 0.20 U | 0.79 U | 0.20 U | 0.79 U | 1.0 U | 4.0 U | 0.20 U | 0.79 U | 1.0 U | 4.0 U | 0.20 U | 0.79 U | 1.0 U | 4.0 U | 0.20 U | 0.79 U | 1.0 U | 4.0 U | 0.20 U | 0.79 U | 1.0 U | 4.0 U | 0.20 U | 0.79 U | 1.0 U | 4.0 U | 0.20 U | 0.79 U | 1.0 U | 4.0 U | 0.20 U | 0.79 U | 1.0 U | 4.0 U | |
| trans-1,3-Dichloropropene | 0.20 U | 0.91 U | 0.20 U | 0.91 U | 1.0 U | 4.5 U | 0.20 U | 0.91 U | 1.0 U | 4.5 U | 0.20 U | 0.91 U | 1.0 U | 4.5 U | 0.20 U | 0.91 U | 1.0 U | 4.5 U | 0.20 U | 0.91 U | 1.0 U | 4.5 U | 0.20 U | 0.91 U | 1.0 U | 4.5 U | 0.20 U | 0.91 U | 1.0 U | 4.5 U | 0.20 U | 0.91 U | 1.0 U | 4.5 U | |
| Trichloroethene | 0.20 U | 1.1 U | 0.20 U | 1.1 U | 1.0 U | 5.4 U | 0.20 U | 1.1 U | 1.0 U | 5.4 U | 0.20 U | 1.1 U | 1.0 U | 5.4 U | 0.20 U | 1.1 U | 1.0 U | 5.4 U | 0.20 U | 1.1 U | 1.0 U | 5.4 U | 0.20 U | 1.1 U | 1.0 U | 5.4 U | 0.20 U | 1.1 U | 1.0 U | 5.4 U | 0.20 U | 1.1 U | 1.0 U | 5.4 U | |
| Trichlorofluoromethane (CFC-11) | 0.20 U | 1.1 U | 0.21 | 1.2 | 1.0 U | 5.6 U | 0.20 U | 1.1 U | 1.0 U | 5.6 U | 0.20 | 1.1 | 1.0 U | 5.6 U | 0.20 U | 1.1 U | 1.0 U | 5.6 U | 0.20 U | 1.1 U | 1.0 U | 5.6 U | 0.20 U | 1.1 U | 1.0 U | 5.6 U | 0.20 U | 1.1 U | 1.0 U | 5.6 U | 0.20 U | 1.1 U | 1.0 U | 5.6 U | |
| Trifluorotrchloroethane (CFC-113) | 0.20 U | 1.5 U | 0.20 U | 1.5 U | 1.0 U | 7.7 U | 0.20 U | 1.5 U | 1.0 U | 7.7 U | 0.20 U | 1.5 U | 1.0 U | 7.7 U | 0.20 U | 1.5 U | 1.0 U | 7.7 U | 0.20 U | 1.5 U | 1.0 U | 7.7 U | 0.20 U | 1.5 U | 1.0 U | 7.7 U | 0.20 U | 1.5 U | 1.0 U | 7.7 U | 0.20 U | 1.5 U | 1.0 U | 7.7 U | |
| Vinyl acetate | 0.20 U | 0.70 U | 0.20 U | 0.70 U | 1.0 U | 3.5 U | 0.20 U | 0.70 U | 1.0 U | 3.5 U | 0.20 U | 0.70 U | 1.0 U | 3.5 U | 0.20 U | 0.70 U | 1.0 U | 3.5 U | 0.20 U | 0.70 U | 1.0 U | 3.5 U | 0.20 U | 0.70 U | 1.0 U | 3.5 U | 0.20 U | 0.70 U | 1.0 U | 3.5 U | 0.20 U | 0.70 U | 1.0 U | 3.5 U | |
| Vinyl bromide (Bromoethene) | 0.20 U | 0.87 U | 0.20 U | 0.87 U | 1.0 U | 4.4 U | 0.20 U | 0.87 U | 1.0 U | 4.4 U | 0.20 U | 0.87 U | 1.0 U | 4.4 U | 0.20 U | 0.87 U | 1.0 U | 4.4 U | 0.20 U | 0.87 U | 1.0 U | 4.4 U | 0.20 U | 0.87 U | 1.0 U | 4.4 U | 0.20 U | 0.87 U | 1.0 U | 4.4 U | 0.20 U | 0.87 U | 1.0 U | 4.4 U | |
| Vinyl chloride | 0.20 U | 0.51 U | 0.20 U | 0.51 U | 1.0 U | 2.6 U | 0.20 U | 0.51 U | 1.0 U | 2.6 U | 0.20 U | 0.51 U | 1.0 U | 2.6 U | 0.20 U | 0.51 U | 1.0 U | 2.6 U | 0.20 U | 0.51 U | 1.0 U | 2.6 U | 0.20 U | 0.51 U | 1.0 U | 2.6 U | 0.20 U | 0.51 U | 1.0 U | 2.6 U | 0.20 U | 0.51 U | 4700 D2 | 12000 D2 | |
| Xylenes (total) | 0.40 U | 1.7 U | 0.40 U | 1.7 U | 2.0 U | 8.7 U | 0.40 U | 1.7 U | 76 | 330 | 0.51 | 2.2 | 420 D1 | 1800 D1 | 0.40 U | 1.7 U | 3.5 | 15 | 0.40 U | 1.7 U | 2.0 U | 8.7 U | 0.40 U | 1.7 U | 2.0 U | 8.7 U | 0.40 U | 1.7 U | 2.0 U | 8.7 U | 5.2 | 23 | | | |
| TIC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2-Methylbutane A | -- | -- | 1.4 JN | 4.2 JN | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 2-Methylpentane A | -- | -- | 1.5 JN | 5.4 JN | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| Isobutylene A | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 82 JN | 190 JN | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| Methylcyclohexane A | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 7.1 JN | 28 JN | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| Pentane A | -- | -- | -- | -- | -- | -- | 1.2 JN | 3.6 JN | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| Propane A | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| Unknown 1 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 23 JN | 86 JN | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| Unknown hydrocarbon 1 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 5.4 JN | 20 JN | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| Unknown hydrocarbon 2 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 5.5 JN | 21 JN | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |

Notes:
U - Not detected at the associated reporting limit.
JN - Estimated value based on a 1:1 response to internal standard, presumptive evidence of compound based on library match.
D1 - Result reported from diluted analysis. Number represents dilution analysis round number.
PPBV - Parts per billion by volume.
UG/M³ - micrograms per cubic meter.

Attachment 1

Laboratory Report



EMSL ANALYTICAL, INC.
 200 Route 130 North
 Cinnaminson, NJ 08077
 Telephone: (856)858-4800 FAX: (856)858-4571
to15lab@EMSL.com | <http://www.EMSL.com>

EMSL ORDER ID: 49-016
EMSL CUSTOMER ID: CONE53

Attention: Shaun McEvoy
 GHD Inc
 2055 Niagara Falls Blvd, Suite 3
 Niagara Falls, NY 14304

Customer PO:
EMSL Project ID:
Project Name: Oliver Gear

Phone: 716-297-6150
Email: Shaun.McEvoy@ghd.com

Collected: 12/19/2024
Received: 12/23/2024 10:59
Analyzed: See Results
Reported: 1/31/2025

Laboratory Report- Sample Summary

| EMSL Sample ID. | Client Sample ID. | Start Sampling Date | Start Sampling Time |
|-----------------|-------------------|---------------------|---------------------|
| 49016-01 | OA-001 | 12/19/2024 | 9:15 AM |
| 49016-02 | IA-002 | 12/19/2024 | 9:30 AM |
| 49016-03 | SS-003 | 12/19/2024 | 9:40 AM |
| 49016-04 | IA-004 | 12/19/2024 | 9:45 AM |
| 49016-05 | SS-005 | 12/19/2024 | 10:00 AM |
| 49016-06 | IA-006 | 12/19/2024 | 10:10 AM |
| 49016-07 | SS-007 | 12/19/2024 | 10:20 AM |
| 49016-08 | IA-008 | 12/19/2024 | 10:30 AM |
| 49016-09 | SS-009 | 12/19/2024 | 10:40 AM |
| 49016-10 | IA-010 | 12/19/2024 | 10:50 AM |
| 49016-11 | SS-011 | 12/19/2024 | 11:10 AM |
| 49016-12 | IA-012 | 12/19/2024 | 11:25 AM |
| 49016-13 | SS-013 | 12/19/2024 | 11:35 AM |

If "Preliminary Report" is displayed in the signature box; this indicates that there are samples that have not yet been analyzed, that are in a preliminary state, or that analysis is in progress but not completed at the time of report issue.

| Report Date | Report Revision | Revision Comments |
|-------------|-----------------|---|
| 1/2/2025 | R0 | Initial Report |
| 1/31/2025 | R1 | Corrected DFs and included dilution for sample SS-007 |

Owen McKenna, Chemistry Laboratory Director
 or other approved signatory

Test results meet all NELAP requirements unless otherwise specified. NJDEP Certification #: 03036

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.

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Case Narrative

Method Reference

USEPA: Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) in Air..." Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS), January 1999, (EPA/625/R-96/010b).

Column

Restek RTX-502.2, 60m, 0.25mm ID, 1.4um

Concentrator Traps:

Entech Dual Cold Traps: (1) 1/8" No Packing, (2) 1/8" Tenax.

Gas Standards:

Certified Gas standards were used for all analyses.

Sample Volumes:

Sample volume aliquots for this procedure are 250cc for indoor/ ambient air and 25cc for soil gas. Other volumes for sample dilutions are reflected on each result page.

Holding Times:

Standard holding times of 30 days were met for all samples.

Sampling Pressures:

All samples were received at acceptable pressure/vacuum unless listed below.

Sample Dilutions:

Dilutions reported are designated by the sample # with a "DL" suffix resulting from initial analysis having compounds exceeding calibration as reported with an "E" qualifier. Ethanol and Isopropanol are not diluted for and may be reported with an "E" qualifier on the final result.

QA/QC criteria outside method specifications are listed below (if applicable).

Initial Calibration

All Initial Calibration criteria met method specification.

Initial Calibration Verification Standard (ICVS)- Second Source

ICVS met method specification with 70-130% recovery for 100% of compounds.

Laboratory Control Sample (LCS)

LCS met method specification with 70-130% recovery for 100% of compounds. (If the LCS does not meet criteria but any compounds which have recoveries >130% are not found in the samples, samples may be reported)

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Case Narrative

Continuing Calibration Verification Standard (CCVS)

CCVS met method specification with all compounds within 30% deviation.

Ending Calibration Verification Standard (ECVS)

ECVS met method specification with all compounds within 30% deviation.

Method Blanks (MB)

Method Blank met method specification.

Reporting Limit Laboratory Control Samples (RLLCS)

RLLCS met method specification with 90% of compounds within the 60-140% recovery range. Individual compounds outside of the recovery range may be listed below.

Manual Integration : -Listed below if applicable. Before and after documentation provided in extended deliverable packages.

The following data qualifiers that may have been reported with the data.

ND- Non Detect. This notation would be used in the results column in lieu of a "U" qualifier.

U- Compound was analyzed for but not detected at a listed and appropriately adjusted reporting level.

J (Target)- Concentration estimated between Reporting Limit and MDL.

J- Estimated value reported below adjusted reporting limit for target compounds or estimating a concentration for TICs where a 1:1 response is assumed

B- Compound found in associated method blank as well as in the sample.

E- Estimated value exceeding upper calibration range of instrument. Ethanol and isopropyl alcohol are not specifically targeted to dilute within calibration range.

D- Compound reported from additional diluted analysis.

N- indicates presumptive evidence of a compound based on library search match.

EMSL Analytical, Inc. certifies that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer –readable data submitted on diskette has been authorized by the laboratory manager or his/her designee, as verified by the following signature.

Owen McKenna, Chemistry Laboratory Director
or other approved signatory

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EMSL ORDER ID: 49-016
EMSL CUSTOMER ID: CONE53
EMSL SAMPLE ID: 49016-01
CUSTOMER SAMPLE ID: OA-001

Attention: Shaun McEvoy
 GHD Inc
 2055 Niagara Falls Blvd, Suite 3
 Niagara Falls, NY 14304

Customer PO:
EMSL Project ID:
Project Name: Oliver Gear

Phone: 716-297-6150
Email: Shaun.McEvoy@ghd.com

Collected: 12/19/2024
Received: 12/23/2024 10:59
Analyzed: See Results
Reported: 1/31/2025

| Analysis Initial | Analysis Date | Analyst Init. | Lab File ID | Canister ID | Sample Vol. | Dil. Factor |
|------------------|---------------|---------------|-------------|-------------|-------------|-------------|
| | 01/08/2025 | TP/LA | J0144.D | HD2140 | 250 cc | 1 |

Target Compound Results Summary

| Target Compounds | CAS# | MW | Result ppbv | RL ppbv | Q | Result ug/m3 | RL ug/m3 | Comments |
|---|-----------|-------|-------------|---------|---|--------------|----------|----------|
| Propylene | 115-07-1 | 42.08 | ND | 0.20 | | ND | 0.34 | |
| Freon 12(Dichlorodifluoromethane) | 75-71-8 | 120.9 | 0.33 | 0.20 | | 1.6 | 1.0 | |
| Freon 114(1,2-Dichlorotetrafluoroethan | 76-14-2 | 170.9 | ND | 0.20 | | ND | 1.4 | |
| Chloromethane | 74-87-3 | 50.49 | 0.68 | 0.20 | | 1.4 | 0.41 | |
| n-Butane | 106-97-8 | 58.12 | 0.65 | 0.20 | | 1.5 | 0.48 | |
| Vinyl chloride | 75-01-4 | 62.50 | ND | 0.20 | | ND | 0.51 | |
| 1,3-Butadiene | 106-99-0 | 54.09 | ND | 0.20 | | ND | 0.44 | |
| Bromomethane | 74-83-9 | 94.94 | ND | 0.20 | | ND | 0.78 | |
| Chloroethane | 75-00-3 | 64.51 | ND | 0.20 | | ND | 0.53 | |
| Ethanol | 64-17-5 | 46.07 | 3.9 | 1.0 | | 7.4 | 1.9 | |
| Bromoethene(Vinyl bromide) | 593-60-2 | 106.9 | ND | 0.20 | | ND | 0.87 | |
| Freon 11(Trichlorofluoromethane) | 75-69-4 | 137.4 | ND | 0.20 | | ND | 1.1 | |
| Isopropyl alcohol(2-Propanol) | 67-63-0 | 60.09 | 0.33 | 0.20 | | 0.80 | 0.49 | |
| Freon 113(1,1,2-Trichlorotrifluoroethan | 76-13-1 | 187.4 | ND | 0.20 | | ND | 1.5 | |
| Acetone | 67-64-1 | 58.08 | 1.2 | 0.20 | | 2.9 | 0.48 | |
| 1,1-Dichloroethene | 75-35-4 | 96.94 | ND | 0.20 | | ND | 0.79 | |
| Acetonitrile | 75-05-8 | 41.05 | ND | 0.20 | | ND | 0.34 | |
| Tertiary butyl alcohol(TBA) | 75-65-0 | 74.12 | ND | 0.20 | | ND | 0.61 | |
| Bromoethane(Ethyl bromide) | 74-96-4 | 109.0 | ND | 0.20 | | ND | 0.89 | |
| 3-Chloropropene(Allyl chloride) | 107-05-1 | 76.52 | ND | 0.20 | | ND | 0.63 | |
| Carbon disulfide | 75-15-0 | 76.14 | ND | 0.20 | | ND | 0.62 | |
| Methylene chloride | 75-09-2 | 84.93 | ND | 0.20 | | ND | 0.69 | |
| Acrylonitrile | 107-13-1 | 53.08 | ND | 0.20 | | ND | 0.43 | |
| Methyl-tert-butyl ether(MTBE) | 1634-04-4 | 88.15 | ND | 0.20 | | ND | 0.72 | |
| trans-1,2-Dichloroethene | 156-60-5 | 96.94 | ND | 0.20 | | ND | 0.79 | |
| n-Hexane | 110-54-3 | 86.18 | ND | 0.20 | | ND | 0.70 | |
| 1,1-Dichloroethane | 75-34-3 | 98.96 | ND | 0.20 | | ND | 0.81 | |
| Vinyl acetate | 108-05-4 | 86.09 | ND | 0.20 | | ND | 0.70 | |
| 2-Butanone(MEK) | 78-93-3 | 72.11 | ND | 0.20 | | ND | 0.59 | |
| cis-1,2-Dichloroethene | 156-59-2 | 96.94 | ND | 0.20 | | ND | 0.79 | |
| Ethyl acetate | 141-78-6 | 88.11 | ND | 0.20 | | ND | 0.72 | |
| Chloroform | 67-66-3 | 119.4 | ND | 0.20 | | ND | 1.0 | |
| Tetrahydrofuran | 109-99-9 | 72.11 | ND | 0.20 | | ND | 0.59 | |
| 1,1,1-Trichloroethane | 71-55-6 | 133.4 | ND | 0.20 | | ND | 1.1 | |
| Cyclohexane | 110-82-7 | 84.16 | ND | 0.20 | | ND | 0.69 | |
| 2,2,4-Trimethylpentane(Isooctane) | 540-84-1 | 114.2 | ND | 0.20 | | ND | 0.93 | |
| Carbon tetrachloride | 56-23-5 | 153.8 | ND | 0.20 | | ND | 1.3 | |
| n-Heptane | 142-82-5 | 100.2 | ND | 0.20 | | ND | 0.82 | |
| 1,2-Dichloroethane | 107-06-2 | 98.96 | ND | 0.20 | | ND | 0.81 | |
| Benzene | 71-43-2 | 78.11 | ND | 0.20 | | ND | 0.64 | |
| Trichloroethene | 79-01-6 | 131.4 | ND | 0.20 | | ND | 1.1 | |
| 1,2-Dichloropropane | 78-87-5 | 113.0 | ND | 0.20 | | ND | 0.92 | |
| Methyl Methacrylate | 80-62-6 | 100.1 | ND | 0.20 | | ND | 0.82 | |
| Bromodichloromethane | 75-27-4 | 163.8 | ND | 0.20 | | ND | 1.3 | |
| 1,4-Dioxane | 123-91-1 | 88.11 | ND | 0.20 | | ND | 0.72 | |

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EMSL ORDER ID: 49-016
EMSL CUSTOMER ID: CONE53
EMSL SAMPLE ID: 49016-01
CUSTOMER SAMPLE ID: OA-001

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Collected: 12/19/2024
Received: 12/23/2024 10:59
Analyzed: See Results
Reported: 1/31/2025

| Analysis Initial | Analysis Date | Analyst Init. | Lab File ID | Canister ID | Sample Vol. | Dil. Factor |
|------------------|---------------|---------------|-------------|-------------|-------------|-------------|
| | 01/08/2025 | TP/LA | J0144.D | HD2140 | 250 cc | 1 |

Target Compound Results Summary

| Target Compounds | CAS# | MW | Result ppbv | RL ppbv | Q | Result ug/m3 | RL ug/m3 | Comments |
|----------------------------|------------|-------|-------------|---------|---|--------------|----------|----------|
| 4-Methyl-2-pentanone(MIBK) | 108-10-1 | 100.2 | ND | 0.20 | | ND | 0.82 | |
| cis-1,3-Dichloropropene | 10061-01-5 | 111.0 | ND | 0.20 | | ND | 0.91 | |
| Toluene | 108-88-3 | 92.14 | ND | 0.20 | | ND | 0.75 | |
| trans-1,3-Dichloropropene | 10061-02-6 | 111.0 | ND | 0.20 | | ND | 0.91 | |
| 1,1,2-Trichloroethane | 79-00-5 | 133.4 | ND | 0.20 | | ND | 1.1 | |
| 2-Hexanone(MBK) | 591-78-6 | 100.2 | ND | 0.20 | | ND | 0.82 | |
| Tetrachloroethene | 127-18-4 | 165.8 | ND | 0.20 | | ND | 1.4 | |
| Dibromochloromethane | 124-48-1 | 208.3 | ND | 0.20 | | ND | 1.7 | |
| 1,2-Dibromoethane | 106-93-4 | 187.9 | ND | 0.20 | | ND | 1.5 | |
| Chlorobenzene | 108-90-7 | 112.6 | ND | 0.20 | | ND | 0.92 | |
| Ethylbenzene | 100-41-4 | 106.2 | ND | 0.20 | | ND | 0.87 | |
| Xylene (p,m) | 1330-20-7 | 106.2 | ND | 0.40 | | ND | 1.7 | |
| Xylene (Ortho) | 95-47-6 | 106.2 | ND | 0.20 | | ND | 0.87 | |
| Styrene | 100-42-5 | 104.1 | ND | 0.20 | | ND | 0.85 | |
| Isopropylbenzene (cumene) | 98-82-8 | 120.2 | ND | 0.20 | | ND | 1.0 | |
| Bromoform | 75-25-2 | 252.7 | ND | 0.20 | | ND | 2.1 | |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 167.9 | ND | 0.20 | | ND | 1.4 | |
| 4-Ethyltoluene | 622-96-8 | 120.2 | ND | 0.20 | | ND | 1.0 | |
| 1,3,5-Trimethylbenzene | 108-67-8 | 120.2 | ND | 0.20 | | ND | 1.0 | |
| 2-Chlorotoluene | 95-49-8 | 126.6 | ND | 0.20 | | ND | 1.0 | |
| 1,2,4-Trimethylbenzene | 95-63-6 | 120.2 | ND | 0.20 | | ND | 1.0 | |
| 1,3-Dichlorobenzene | 541-73-1 | 147.0 | ND | 0.20 | | ND | 1.2 | |
| 1,4-Dichlorobenzene | 106-46-7 | 147.0 | ND | 0.20 | | ND | 1.2 | |
| Benzyl chloride | 100-44-7 | 126.6 | ND | 0.20 | | ND | 1.0 | |
| 1,2-Dichlorobenzene | 95-50-1 | 147.0 | ND | 0.20 | | ND | 1.2 | |
| 1,2,4-Trichlorobenzene | 120-82-1 | 181.4 | ND | 0.20 | | ND | 1.5 | |
| Hexachloro-1,3-butadiene | 87-68-3 | 260.8 | ND | 0.20 | | ND | 2.1 | |
| Naphthalene | 91-20-3 | 128.2 | ND | 0.20 | | ND | 1.0 | |

Total Target Compound Concentrations:

| | | | |
|------------|-------------|-----------|--------------|
| 7.1 | ppbv | 16 | ug/m3 |
|------------|-------------|-----------|--------------|

Surrogate

4-Bromofluorobenzene

Result

8.9

Spike

10

Recovery

89%

Qualifier Definitions**ND = Non Detect**

B = Compound also found in method blank.

E= Estimated concentration exceeding upper calibration range.

D= Result reported from diluted analysis.

J= Concentration estimated between Reporting Limit and MDL.

Method Reference

USEPA: Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) in Air..." Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS), January 1999, (EPA/625/R-96/010b).

**EMSL ANALYTICAL, INC.**

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EMSL ORDER ID: 49-016
EMSL CUSTOMER ID: CONE53
EMSL SAMPLE ID: 49016-02
CUSTOMER SAMPLE ID: IA-002

Attention: Shaun McEvoy
 GHD Inc
 2055 Niagara Falls Blvd, Suite 3
 Niagara Falls, NY 14304

Customer PO:
EMSL Project ID:
Project Name: Oliver Gear

Phone: 716-297-6150
Email: Shaun.McEvoy@ghd.com

Collected: 12/19/2024
Received: 12/23/2024 10:59
Analyzed: See Results
Reported: 1/2/2025

| Analysis Initial | Analysis Date | Analyst Init. | Lab File ID | Canister ID | Sample Vol. | Dil. Factor |
|------------------|---------------|---------------|-------------|-------------|-------------|-------------|
| | 01/08/2025 | TP/LA | J0145.D | HD2182 | 250 cc | 1 |

Target Compound Results Summary

| Target Compounds | CAS# | MW | Result ppbv | RL ppbv | Q | Result ug/m3 | RL ug/m3 | Comments |
|---|-----------|-------|-------------|---------|---|--------------|----------|----------|
| Propylene | 115-07-1 | 42.08 | ND | 0.20 | | ND | 0.34 | |
| Freon 12(Dichlorodifluoromethane) | 75-71-8 | 120.9 | 0.32 | 0.20 | | 1.6 | 1.0 | |
| Freon 114(1,2-Dichlorotetrafluoroethan | 76-14-2 | 170.9 | ND | 0.20 | | ND | 1.4 | |
| Chloromethane | 74-87-3 | 50.49 | 0.66 | 0.20 | | 1.4 | 0.41 | |
| n-Butane | 106-97-8 | 58.12 | 0.89 | 0.20 | | 2.1 | 0.48 | |
| Vinyl chloride | 75-01-4 | 62.50 | ND | 0.20 | | ND | 0.51 | |
| 1,3-Butadiene | 106-99-0 | 54.09 | ND | 0.20 | | ND | 0.44 | |
| Bromomethane | 74-83-9 | 94.94 | ND | 0.20 | | ND | 0.78 | |
| Chloroethane | 75-00-3 | 64.51 | ND | 0.20 | | ND | 0.53 | |
| Ethanol | 64-17-5 | 46.07 | 13 | 1.0 | | 25 | 1.9 | |
| Bromoethene(Vinyl bromide) | 593-60-2 | 106.9 | ND | 0.20 | | ND | 0.87 | |
| Freon 11(Trichlorofluoromethane) | 75-69-4 | 137.4 | 0.21 | 0.20 | | 1.2 | 1.1 | |
| Isopropyl alcohol(2-Propanol) | 67-63-0 | 60.09 | 0.82 | 0.20 | | 2.0 | 0.49 | |
| Freon 113(1,1,2-Trichlorotrifluoroethan | 76-13-1 | 187.4 | ND | 0.20 | | ND | 1.5 | |
| Acetone | 67-64-1 | 58.08 | 2.6 | 0.20 | | 6.1 | 0.48 | |
| 1,1-Dichloroethene | 75-35-4 | 96.94 | ND | 0.20 | | ND | 0.79 | |
| Acetonitrile | 75-05-8 | 41.05 | ND | 0.20 | | ND | 0.34 | |
| Tertiary butyl alcohol(TBA) | 75-65-0 | 74.12 | ND | 0.20 | | ND | 0.61 | |
| Bromoethane(Ethyl bromide) | 74-96-4 | 109.0 | ND | 0.20 | | ND | 0.89 | |
| 3-Chloropropene(Allyl chloride) | 107-05-1 | 76.52 | ND | 0.20 | | ND | 0.63 | |
| Carbon disulfide | 75-15-0 | 76.14 | ND | 0.20 | | ND | 0.62 | |
| Methylene chloride | 75-09-2 | 84.93 | ND | 0.20 | | ND | 0.69 | |
| Acrylonitrile | 107-13-1 | 53.08 | ND | 0.20 | | ND | 0.43 | |
| Methyl-tert-butyl ether(MTBE) | 1634-04-4 | 88.15 | ND | 0.20 | | ND | 0.72 | |
| trans-1,2-Dichloroethene | 156-60-5 | 96.94 | ND | 0.20 | | ND | 0.79 | |
| n-Hexane | 110-54-3 | 86.18 | 0.76 | 0.20 | | 2.7 | 0.70 | |
| 1,1-Dichloroethane | 75-34-3 | 98.96 | ND | 0.20 | | ND | 0.81 | |
| Vinyl acetate | 108-05-4 | 86.09 | ND | 0.20 | | ND | 0.70 | |
| 2-Butanone(MEK) | 78-93-3 | 72.11 | ND | 0.20 | | ND | 0.59 | |
| cis-1,2-Dichloroethene | 156-59-2 | 96.94 | ND | 0.20 | | ND | 0.79 | |
| Ethyl acetate | 141-78-6 | 88.11 | 0.56 | 0.20 | | 2.0 | 0.72 | |
| Chloroform | 67-66-3 | 119.4 | ND | 0.20 | | ND | 1.0 | |
| Tetrahydrofuran | 109-99-9 | 72.11 | ND | 0.20 | | ND | 0.59 | |
| 1,1,1-Trichloroethane | 71-55-6 | 133.4 | ND | 0.20 | | ND | 1.1 | |
| Cyclohexane | 110-82-7 | 84.16 | ND | 0.20 | | ND | 0.69 | |
| 2,2,4-Trimethylpentane(Isooctane) | 540-84-1 | 114.2 | 0.34 | 0.20 | | 1.6 | 0.93 | |
| Carbon tetrachloride | 56-23-5 | 153.8 | ND | 0.20 | | ND | 1.3 | |
| n-Heptane | 142-82-5 | 100.2 | ND | 0.20 | | ND | 0.82 | |
| 1,2-Dichloroethane | 107-06-2 | 98.96 | ND | 0.20 | | ND | 0.81 | |
| Benzene | 71-43-2 | 78.11 | 0.37 | 0.20 | | 1.2 | 0.64 | |
| Trichloroethene | 79-01-6 | 131.4 | ND | 0.20 | | ND | 1.1 | |
| 1,2-Dichloropropane | 78-87-5 | 113.0 | ND | 0.20 | | ND | 0.92 | |
| Methyl Methacrylate | 80-62-6 | 100.1 | ND | 0.20 | | ND | 0.82 | |
| Bromodichloromethane | 75-27-4 | 163.8 | ND | 0.20 | | ND | 1.3 | |
| 1,4-Dioxane | 123-91-1 | 88.11 | ND | 0.20 | | ND | 0.72 | |

**EMSL ANALYTICAL, INC.**

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EMSL ORDER ID: 49-016
EMSL CUSTOMER ID: CONE53
EMSL SAMPLE ID: 49016-02
CUSTOMER SAMPLE ID: IA-002

Attention: Shaun McEvoy
 GHD Inc
 2055 Niagara Falls Blvd, Suite 3
 Niagara Falls, NY 14304

Customer PO:
EMSL Project ID:
Project Name: Oliver Gear

Phone: 716-297-6150
Email: Shaun.McEvoy@ghd.com

Collected: 12/19/2024
Received: 12/23/2024 10:59
Analyzed: See Results
Reported: 1/2/2025

| Analysis Initial | Analysis Date | Analyst Init. | Lab File ID | Canister ID | Sample Vol. | Dil. Factor |
|------------------|---------------|---------------|-------------|-------------|-------------|-------------|
| | 01/08/2025 | TP/LA | J0145.D | HD2182 | 250 cc | 1 |

Target Compound Results Summary

| Target Compounds | CAS# | MW | Result ppbv | RL ppbv | Q | Result ug/m3 | RL ug/m3 | Comments |
|--|------------|-------|-------------|-------------|---|--------------|--------------|----------|
| 4-Methyl-2-pentanone(MIBK) | 108-10-1 | 100.2 | ND | 0.20 | | ND | 0.82 | |
| cis-1,3-Dichloropropene | 10061-01-5 | 111.0 | ND | 0.20 | | ND | 0.91 | |
| Toluene | 108-88-3 | 92.14 | 0.80 | 0.20 | | 3.0 | 0.75 | |
| trans-1,3-Dichloropropene | 10061-02-6 | 111.0 | ND | 0.20 | | ND | 0.91 | |
| 1,1,2-Trichloroethane | 79-00-5 | 133.4 | ND | 0.20 | | ND | 1.1 | |
| 2-Hexanone(MBK) | 591-78-6 | 100.2 | ND | 0.20 | | ND | 0.82 | |
| Tetrachloroethene | 127-18-4 | 165.8 | ND | 0.20 | | ND | 1.4 | |
| Dibromochloromethane | 124-48-1 | 208.3 | ND | 0.20 | | ND | 1.7 | |
| 1,2-Dibromoethane | 106-93-4 | 187.9 | ND | 0.20 | | ND | 1.5 | |
| Chlorobenzene | 108-90-7 | 112.6 | ND | 0.20 | | ND | 0.92 | |
| Ethylbenzene | 100-41-4 | 106.2 | ND | 0.20 | | ND | 0.87 | |
| Xylene (p,m) | 1330-20-7 | 106.2 | ND | 0.40 | | ND | 1.7 | |
| Xylene (Ortho) | 95-47-6 | 106.2 | ND | 0.20 | | ND | 0.87 | |
| Styrene | 100-42-5 | 104.1 | ND | 0.20 | | ND | 0.85 | |
| Isopropylbenzene (cumene) | 98-82-8 | 120.2 | ND | 0.20 | | ND | 1.0 | |
| Bromoform | 75-25-2 | 252.7 | ND | 0.20 | | ND | 2.1 | |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 167.9 | ND | 0.20 | | ND | 1.4 | |
| 4-Ethyltoluene | 622-96-8 | 120.2 | ND | 0.20 | | ND | 1.0 | |
| 1,3,5-Trimethylbenzene | 108-67-8 | 120.2 | ND | 0.20 | | ND | 1.0 | |
| 2-Chlorotoluene | 95-49-8 | 126.6 | ND | 0.20 | | ND | 1.0 | |
| 1,2,4-Trimethylbenzene | 95-63-6 | 120.2 | ND | 0.20 | | ND | 1.0 | |
| 1,3-Dichlorobenzene | 541-73-1 | 147.0 | ND | 0.20 | | ND | 1.2 | |
| 1,4-Dichlorobenzene | 106-46-7 | 147.0 | ND | 0.20 | | ND | 1.2 | |
| Benzyl chloride | 100-44-7 | 126.6 | ND | 0.20 | | ND | 1.0 | |
| 1,2-Dichlorobenzene | 95-50-1 | 147.0 | ND | 0.20 | | ND | 1.2 | |
| 1,2,4-Trichlorobenzene | 120-82-1 | 181.4 | ND | 0.20 | | ND | 1.5 | |
| Hexachloro-1,3-butadiene | 87-68-3 | 260.8 | ND | 0.20 | | ND | 2.1 | |
| Naphthalene | 91-20-3 | 128.2 | ND | 0.20 | | ND | 1.0 | |
| Total Target Compound Concentrations: | | | 21 | ppbv | | 50 | ug/m3 | |

Surrogate
 4-Bromofluorobenzene

Result 9.1 **Spike** 10 **Recovery** 91%

Qualifier Definitions

ND = Non Detect
 B = Compound also found in method blank.
 E= Estimated concentration exceeding upper calibration range.
 D= Result reported from diluted analysis.
 J= Concentration estimated between Reporting Limit and MDL.

Method Reference

USEPA: Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) in Air..." Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS), January 1999, (EPA/625/R-96/010b).

**EMSL ANALYTICAL, INC.**

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EMSL ORDER ID: 49-016
EMSL CUSTOMER ID: CONE53
EMSL SAMPLE ID: 49016-03
CUSTOMER SAMPLE ID: SS-003

Attention: Shaun McEvoy
 GHD Inc
 2055 Niagara Falls Blvd, Suite 3
 Niagara Falls, NY 14304

Customer PO:
EMSL Project ID:
Project Name: Oliver Gear

Phone: 716-297-6150
Email: Shaun.McEvoy@ghd.com

Collected: 12/19/2024
Received: 12/23/2024 10:59
Analyzed: See Results
Reported: 1/31/2025

| Analysis Initial | Analysis Date | Analyst Init. | Lab File ID | Canister ID | Sample Vol. | Dil. Factor |
|------------------|---------------|---------------|-------------|-------------|-------------|-------------|
| | 01/08/2025 | TP/LA | J0146.D | HD2699 | 50 cc | 5 |

Target Compound Results Summary

| Target Compounds | CAS# | MW | Result ppbv | RL ppbv | Q | Result ug/m3 | RL ug/m3 | Comments |
|---|-----------|-------|-------------|---------|---|--------------|----------|----------|
| Propylene | 115-07-1 | 42.08 | ND | 1.0 | | ND | 1.7 | |
| Freon 12(Dichlorodifluoromethane) | 75-71-8 | 120.9 | ND | 1.0 | | ND | 4.9 | |
| Freon 114(1,2-Dichlorotetrafluoroethan | 76-14-2 | 170.9 | ND | 1.0 | | ND | 7.0 | |
| Chloromethane | 74-87-3 | 50.49 | ND | 1.0 | | ND | 2.1 | |
| n-Butane | 106-97-8 | 58.12 | ND | 1.0 | | ND | 2.4 | |
| Vinyl chloride | 75-01-4 | 62.50 | ND | 1.0 | | ND | 2.6 | |
| 1,3-Butadiene | 106-99-0 | 54.09 | ND | 1.0 | | ND | 2.2 | |
| Bromomethane | 74-83-9 | 94.94 | ND | 1.0 | | ND | 3.9 | |
| Chloroethane | 75-00-3 | 64.51 | ND | 1.0 | | ND | 2.6 | |
| Ethanol | 64-17-5 | 46.07 | 58 | 5.0 | | 110 | 9.4 | |
| Bromoethene(Vinyl bromide) | 593-60-2 | 106.9 | ND | 1.0 | | ND | 4.4 | |
| Freon 11(Trichlorofluoromethane) | 75-69-4 | 137.4 | ND | 1.0 | | ND | 5.6 | |
| Isopropyl alcohol(2-Propanol) | 67-63-0 | 60.09 | 5.3 | 1.0 | | 13 | 2.5 | |
| Freon 113(1,1,2-Trichlorotrifluoroethan | 76-13-1 | 187.4 | ND | 1.0 | | ND | 7.7 | |
| Acetone | 67-64-1 | 58.08 | 24 | 1.0 | | 56 | 2.4 | |
| 1,1-Dichloroethene | 75-35-4 | 96.94 | ND | 1.0 | | ND | 4.0 | |
| Acetonitrile | 75-05-8 | 41.05 | ND | 1.0 | | ND | 1.7 | |
| Tertiary butyl alcohol(TBA) | 75-65-0 | 74.12 | 1.4 | 1.0 | | 4.4 | 3.0 | |
| Bromoethane(Ethyl bromide) | 74-96-4 | 109.0 | ND | 1.0 | | ND | 4.5 | |
| 3-Chloropropene(Allyl chloride) | 107-05-1 | 76.52 | ND | 1.0 | | ND | 3.1 | |
| Carbon disulfide | 75-15-0 | 76.14 | ND | 1.0 | | ND | 3.1 | |
| Methylene chloride | 75-09-2 | 84.93 | ND | 1.0 | | ND | 3.5 | |
| Acrylonitrile | 107-13-1 | 53.08 | ND | 1.0 | | ND | 2.2 | |
| Methyl-tert-butyl ether(MTBE) | 1634-04-4 | 88.15 | ND | 1.0 | | ND | 3.6 | |
| trans-1,2-Dichloroethene | 156-60-5 | 96.94 | ND | 1.0 | | ND | 4.0 | |
| n-Hexane | 110-54-3 | 86.18 | ND | 1.0 | | ND | 3.5 | |
| 1,1-Dichloroethane | 75-34-3 | 98.96 | ND | 1.0 | | ND | 4.0 | |
| Vinyl acetate | 108-05-4 | 86.09 | ND | 1.0 | | ND | 3.5 | |
| 2-Butanone(MEK) | 78-93-3 | 72.11 | 2.3 | 1.0 | | 6.7 | 2.9 | |
| cis-1,2-Dichloroethene | 156-59-2 | 96.94 | ND | 1.0 | | ND | 4.0 | |
| Ethyl acetate | 141-78-6 | 88.11 | 61 | 1.0 | | 220 | 3.6 | |
| Chloroform | 67-66-3 | 119.4 | ND | 1.0 | | ND | 4.9 | |
| Tetrahydrofuran | 109-99-9 | 72.11 | ND | 1.0 | | ND | 2.9 | |
| 1,1,1-Trichloroethane | 71-55-6 | 133.4 | 7.0 | 1.0 | | 38 | 5.5 | |
| Cyclohexane | 110-82-7 | 84.16 | ND | 1.0 | | ND | 3.4 | |
| 2,2,4-Trimethylpentane(Isooctane) | 540-84-1 | 114.2 | ND | 1.0 | | ND | 4.7 | |
| Carbon tetrachloride | 56-23-5 | 153.8 | ND | 1.0 | | ND | 6.3 | |
| n-Heptane | 142-82-5 | 100.2 | ND | 1.0 | | ND | 4.1 | |
| 1,2-Dichloroethane | 107-06-2 | 98.96 | ND | 1.0 | | ND | 4.0 | |
| Benzene | 71-43-2 | 78.11 | ND | 1.0 | | ND | 3.2 | |
| Trichloroethene | 79-01-6 | 131.4 | ND | 1.0 | | ND | 5.4 | |
| 1,2-Dichloropropane | 78-87-5 | 113.0 | ND | 1.0 | | ND | 4.6 | |
| Methyl Methacrylate | 80-62-6 | 100.1 | ND | 1.0 | | ND | 4.1 | |
| Bromodichloromethane | 75-27-4 | 163.8 | ND | 1.0 | | ND | 6.7 | |
| 1,4-Dioxane | 123-91-1 | 88.11 | ND | 1.0 | | ND | 3.6 | |

**EMSL ANALYTICAL, INC.**

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EMSL ORDER ID: 49-016
EMSL CUSTOMER ID: CONE53
EMSL SAMPLE ID: 49016-03
CUSTOMER SAMPLE ID: SS-003

Attention: Shaun McEvoy
 GHD Inc
 2055 Niagara Falls Blvd, Suite 3
 Niagara Falls, NY 14304

Customer PO:
EMSL Project ID:
Project Name: Oliver Gear

Phone: 716-297-6150
Email: Shaun.McEvoy@ghd.com

Collected: 12/19/2024
Received: 12/23/2024 10:59
Analyzed: See Results
Reported: 1/31/2025

| Analysis Initial | Analysis Date | Analyst Init. | Lab File ID | Canister ID | Sample Vol. | Dil. Factor |
|------------------|---------------|---------------|-------------|-------------|-------------|-------------|
| | 01/08/2025 | TP/LA | J0146.D | HD2699 | 50 cc | 5 |

Target Compound Results Summary

| Target Compounds | CAS# | MW | Result ppbv | RL ppbv | Q | Result ug/m3 | RL ug/m3 | Comments |
|--|------------|-------|-------------|-------------|---|--------------|--------------|----------|
| 4-Methyl-2-pentanone(MIBK) | 108-10-1 | 100.2 | ND | 1.0 | | ND | 4.1 | |
| cis-1,3-Dichloropropene | 10061-01-5 | 111.0 | ND | 1.0 | | ND | 4.5 | |
| Toluene | 108-88-3 | 92.14 | 2.5 | 1.0 | | 9.5 | 3.8 | |
| trans-1,3-Dichloropropene | 10061-02-6 | 111.0 | ND | 1.0 | | ND | 4.5 | |
| 1,1,2-Trichloroethane | 79-00-5 | 133.4 | ND | 1.0 | | ND | 5.5 | |
| 2-Hexanone(MBK) | 591-78-6 | 100.2 | ND | 1.0 | | ND | 4.1 | |
| Tetrachloroethene | 127-18-4 | 165.8 | ND | 1.0 | | ND | 6.8 | |
| Dibromochloromethane | 124-48-1 | 208.3 | ND | 1.0 | | ND | 8.5 | |
| 1,2-Dibromoethane | 106-93-4 | 187.9 | ND | 1.0 | | ND | 7.7 | |
| Chlorobenzene | 108-90-7 | 112.6 | ND | 1.0 | | ND | 4.6 | |
| Ethylbenzene | 100-41-4 | 106.2 | ND | 1.0 | | ND | 4.3 | |
| Xylene (p,m) | 1330-20-7 | 106.2 | ND | 2.0 | | ND | 8.7 | |
| Xylene (Ortho) | 95-47-6 | 106.2 | ND | 1.0 | | ND | 4.3 | |
| Styrene | 100-42-5 | 104.1 | ND | 1.0 | | ND | 4.3 | |
| Isopropylbenzene (cumene) | 98-82-8 | 120.2 | ND | 1.0 | | ND | 4.9 | |
| Bromoform | 75-25-2 | 252.7 | ND | 1.0 | | ND | 10 | |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 167.9 | ND | 1.0 | | ND | 6.9 | |
| 4-Ethyltoluene | 622-96-8 | 120.2 | ND | 1.0 | | ND | 4.9 | |
| 1,3,5-Trimethylbenzene | 108-67-8 | 120.2 | ND | 1.0 | | ND | 4.9 | |
| 2-Chlorotoluene | 95-49-8 | 126.6 | ND | 1.0 | | ND | 5.2 | |
| 1,2,4-Trimethylbenzene | 95-63-6 | 120.2 | ND | 1.0 | | ND | 4.9 | |
| 1,3-Dichlorobenzene | 541-73-1 | 147.0 | ND | 1.0 | | ND | 6.0 | |
| 1,4-Dichlorobenzene | 106-46-7 | 147.0 | ND | 1.0 | | ND | 6.0 | |
| Benzyl chloride | 100-44-7 | 126.6 | ND | 1.0 | | ND | 5.2 | |
| 1,2-Dichlorobenzene | 95-50-1 | 147.0 | ND | 1.0 | | ND | 6.0 | |
| 1,2,4-Trichlorobenzene | 120-82-1 | 181.4 | ND | 1.0 | | ND | 7.4 | |
| Hexachloro-1,3-butadiene | 87-68-3 | 260.8 | ND | 1.0 | | ND | 11 | |
| Naphthalene | 91-20-3 | 128.2 | ND | 1.0 | | ND | 5.2 | |
| Total Target Compound Concentrations: | | | 160 | ppbv | | 460 | ug/m3 | |

Surrogate

4-Bromofluorobenzene

Result

9.0

Spike

10

Recovery

90%

Qualifier Definitions**ND = Non Detect**

B = Compound also found in method blank.
 E= Estimated concentration exceeding upper calibration range.
 D= Result reported from diluted analysis.
 J= Concentration estimated between Reporting Limit and MDL.

Method Reference

USEPA: Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) in Air..." Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS), January 1999, (EPA/625/R-96/010b).

**EMSL ANALYTICAL, INC.**

200 Route 130 North
 Cinnaminson, NJ 08077
 Telephone: (856)858-4800 FAX: (856)858-4571
to15lab@EMSL.com | <http://www.EMSL.com>

EMSL ORDER ID: 49-016
EMSL CUSTOMER ID: CONE53
EMSL SAMPLE ID: 49016-04
CUSTOMER SAMPLE ID: IA-004

Attention: Shaun McEvoy
 GHD Inc
 2055 Niagara Falls Blvd, Suite 3
 Niagara Falls, NY 14304

Customer PO:
EMSL Project ID:
Project Name: Oliver Gear

Phone: 716-297-6150
Email: Shaun.McEvoy@ghd.com

Collected: 12/19/2024
Received: 12/23/2024 10:59
Analyzed: See Results
Reported: 1/2/2025

| Analysis Initial | Analysis Date | Analyst Init. | Lab File ID | Canister ID | Sample Vol. | Dil. Factor |
|------------------|---------------|---------------|-------------|-------------|-------------|-------------|
| | 01/08/2025 | TP/LA | J0147.D | HD2751 | 250 cc | 1 |

Target Compound Results Summary

| Target Compounds | CAS# | MW | Result ppbv | RL ppbv | Q | Result ug/m3 | RL ug/m3 | Comments |
|---|-----------|-------|-------------|---------|---|--------------|----------|----------|
| Propylene | 115-07-1 | 42.08 | ND | 0.20 | | ND | 0.34 | |
| Freon 12(Dichlorodifluoromethane) | 75-71-8 | 120.9 | 0.33 | 0.20 | | 1.7 | 1.0 | |
| Freon 114(1,2-Dichlorotetrafluoroethan | 76-14-2 | 170.9 | ND | 0.20 | | ND | 1.4 | |
| Chloromethane | 74-87-3 | 50.49 | 0.64 | 0.20 | | 1.3 | 0.41 | |
| n-Butane | 106-97-8 | 58.12 | 0.85 | 0.20 | | 2.0 | 0.48 | |
| Vinyl chloride | 75-01-4 | 62.50 | ND | 0.20 | | ND | 0.51 | |
| 1,3-Butadiene | 106-99-0 | 54.09 | ND | 0.20 | | ND | 0.44 | |
| Bromomethane | 74-83-9 | 94.94 | ND | 0.20 | | ND | 0.78 | |
| Chloroethane | 75-00-3 | 64.51 | ND | 0.20 | | ND | 0.53 | |
| Ethanol | 64-17-5 | 46.07 | 12 | 1.0 | | 22 | 1.9 | |
| Bromoethene(Vinyl bromide) | 593-60-2 | 106.9 | ND | 0.20 | | ND | 0.87 | |
| Freon 11(Trichlorofluoromethane) | 75-69-4 | 137.4 | ND | 0.20 | | ND | 1.1 | |
| Isopropyl alcohol(2-Propanol) | 67-63-0 | 60.09 | 0.76 | 0.20 | | 1.9 | 0.49 | |
| Freon 113(1,1,2-Trichlorotrifluoroethan | 76-13-1 | 187.4 | ND | 0.20 | | ND | 1.5 | |
| Acetone | 67-64-1 | 58.08 | 2.8 | 0.20 | | 6.6 | 0.48 | |
| 1,1-Dichloroethene | 75-35-4 | 96.94 | ND | 0.20 | | ND | 0.79 | |
| Acetonitrile | 75-05-8 | 41.05 | ND | 0.20 | | ND | 0.34 | |
| Tertiary butyl alcohol(TBA) | 75-65-0 | 74.12 | ND | 0.20 | | ND | 0.61 | |
| Bromoethane(Ethyl bromide) | 74-96-4 | 109.0 | ND | 0.20 | | ND | 0.89 | |
| 3-Chloropropene(Allyl chloride) | 107-05-1 | 76.52 | ND | 0.20 | | ND | 0.63 | |
| Carbon disulfide | 75-15-0 | 76.14 | ND | 0.20 | | ND | 0.62 | |
| Methylene chloride | 75-09-2 | 84.93 | ND | 0.20 | | ND | 0.69 | |
| Acrylonitrile | 107-13-1 | 53.08 | ND | 0.20 | | ND | 0.43 | |
| Methyl-tert-butyl ether(MTBE) | 1634-04-4 | 88.15 | ND | 0.20 | | ND | 0.72 | |
| trans-1,2-Dichloroethene | 156-60-5 | 96.94 | ND | 0.20 | | ND | 0.79 | |
| n-Hexane | 110-54-3 | 86.18 | 0.37 | 0.20 | | 1.3 | 0.70 | |
| 1,1-Dichloroethane | 75-34-3 | 98.96 | ND | 0.20 | | ND | 0.81 | |
| Vinyl acetate | 108-05-4 | 86.09 | ND | 0.20 | | ND | 0.70 | |
| 2-Butanone(MEK) | 78-93-3 | 72.11 | ND | 0.20 | | ND | 0.59 | |
| cis-1,2-Dichloroethene | 156-59-2 | 96.94 | ND | 0.20 | | ND | 0.79 | |
| Ethyl acetate | 141-78-6 | 88.11 | 0.42 | 0.20 | | 1.5 | 0.72 | |
| Chloroform | 67-66-3 | 119.4 | ND | 0.20 | | ND | 1.0 | |
| Tetrahydrofuran | 109-99-9 | 72.11 | ND | 0.20 | | ND | 0.59 | |
| 1,1,1-Trichloroethane | 71-55-6 | 133.4 | ND | 0.20 | | ND | 1.1 | |
| Cyclohexane | 110-82-7 | 84.16 | ND | 0.20 | | ND | 0.69 | |
| 2,2,4-Trimethylpentane(Isooctane) | 540-84-1 | 114.2 | 0.22 | 0.20 | | 1.1 | 0.93 | |
| Carbon tetrachloride | 56-23-5 | 153.8 | ND | 0.20 | | ND | 1.3 | |
| n-Heptane | 142-82-5 | 100.2 | ND | 0.20 | | ND | 0.82 | |
| 1,2-Dichloroethane | 107-06-2 | 98.96 | ND | 0.20 | | ND | 0.81 | |
| Benzene | 71-43-2 | 78.11 | 0.24 | 0.20 | | 0.77 | 0.64 | |
| Trichloroethene | 79-01-6 | 131.4 | ND | 0.20 | | ND | 1.1 | |
| 1,2-Dichloropropane | 78-87-5 | 113.0 | ND | 0.20 | | ND | 0.92 | |
| Methyl Methacrylate | 80-62-6 | 100.1 | ND | 0.20 | | ND | 0.82 | |
| Bromodichloromethane | 75-27-4 | 163.8 | ND | 0.20 | | ND | 1.3 | |
| 1,4-Dioxane | 123-91-1 | 88.11 | ND | 0.20 | | ND | 0.72 | |

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EMSL ORDER ID: 49-016
EMSL CUSTOMER ID: CONE53
EMSL SAMPLE ID: 49016-04
CUSTOMER SAMPLE ID: IA-004

Attention: Shaun McEvoy
 GHD Inc
 2055 Niagara Falls Blvd, Suite 3
 Niagara Falls, NY 14304

Customer PO:
EMSL Project ID:
Project Name: Oliver Gear

Phone: 716-297-6150
Email: Shaun.McEvoy@ghd.com

Collected: 12/19/2024
Received: 12/23/2024 10:59
Analyzed: See Results
Reported: 1/2/2025

| Analysis Initial | Analysis Date | Analyst Init. | Lab File ID | Canister ID | Sample Vol. | Dil. Factor |
|------------------|---------------|---------------|-------------|-------------|-------------|-------------|
| | 01/08/2025 | TP/LA | J0147.D | HD2751 | 250 cc | 1 |

Target Compound Results Summary

| Target Compounds | CAS# | MW | Result ppbv | RL ppbv | Q | Result ug/m3 | RL ug/m3 | Comments |
|--|------------|-------|-------------|-------------|---|--------------|--------------|----------|
| 4-Methyl-2-pentanone(MIBK) | 108-10-1 | 100.2 | ND | 0.20 | | ND | 0.82 | |
| cis-1,3-Dichloropropene | 10061-01-5 | 111.0 | ND | 0.20 | | ND | 0.91 | |
| Toluene | 108-88-3 | 92.14 | 0.48 | 0.20 | | 1.8 | 0.75 | |
| trans-1,3-Dichloropropene | 10061-02-6 | 111.0 | ND | 0.20 | | ND | 0.91 | |
| 1,1,2-Trichloroethane | 79-00-5 | 133.4 | ND | 0.20 | | ND | 1.1 | |
| 2-Hexanone(MBK) | 591-78-6 | 100.2 | ND | 0.20 | | ND | 0.82 | |
| Tetrachloroethene | 127-18-4 | 165.8 | ND | 0.20 | | ND | 1.4 | |
| Dibromochloromethane | 124-48-1 | 208.3 | ND | 0.20 | | ND | 1.7 | |
| 1,2-Dibromoethane | 106-93-4 | 187.9 | ND | 0.20 | | ND | 1.5 | |
| Chlorobenzene | 108-90-7 | 112.6 | ND | 0.20 | | ND | 0.92 | |
| Ethylbenzene | 100-41-4 | 106.2 | ND | 0.20 | | ND | 0.87 | |
| Xylene (p,m) | 1330-20-7 | 106.2 | ND | 0.40 | | ND | 1.7 | |
| Xylene (Ortho) | 95-47-6 | 106.2 | ND | 0.20 | | ND | 0.87 | |
| Styrene | 100-42-5 | 104.1 | ND | 0.20 | | ND | 0.85 | |
| Isopropylbenzene (cumene) | 98-82-8 | 120.2 | ND | 0.20 | | ND | 1.0 | |
| Bromoform | 75-25-2 | 252.7 | ND | 0.20 | | ND | 2.1 | |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 167.9 | ND | 0.20 | | ND | 1.4 | |
| 4-Ethyltoluene | 622-96-8 | 120.2 | ND | 0.20 | | ND | 1.0 | |
| 1,3,5-Trimethylbenzene | 108-67-8 | 120.2 | ND | 0.20 | | ND | 1.0 | |
| 2-Chlorotoluene | 95-49-8 | 126.6 | ND | 0.20 | | ND | 1.0 | |
| 1,2,4-Trimethylbenzene | 95-63-6 | 120.2 | ND | 0.20 | | ND | 1.0 | |
| 1,3-Dichlorobenzene | 541-73-1 | 147.0 | ND | 0.20 | | ND | 1.2 | |
| 1,4-Dichlorobenzene | 106-46-7 | 147.0 | ND | 0.20 | | ND | 1.2 | |
| Benzyl chloride | 100-44-7 | 126.6 | ND | 0.20 | | ND | 1.0 | |
| 1,2-Dichlorobenzene | 95-50-1 | 147.0 | ND | 0.20 | | ND | 1.2 | |
| 1,2,4-Trichlorobenzene | 120-82-1 | 181.4 | ND | 0.20 | | ND | 1.5 | |
| Hexachloro-1,3-butadiene | 87-68-3 | 260.8 | ND | 0.20 | | ND | 2.1 | |
| Naphthalene | 91-20-3 | 128.2 | ND | 0.20 | | ND | 1.0 | |
| Total Target Compound Concentrations: | | | 19 | ppbv | | 42 | ug/m3 | |

Surrogate

4-Bromofluorobenzene

Result

9.1

Spike

10

Recovery

91%

Qualifier Definitions**ND = Non Detect**

B = Compound also found in method blank.

E= Estimated concentration exceeding upper calibration range.

D= Result reported from diluted analysis.

J= Concentration estimated between Reporting Limit and MDL.

Method Reference

USEPA: Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) in Air..." Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS), January 1999, (EPA/625/R-96/010b).

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EMSL ORDER ID: 49-016
EMSL CUSTOMER ID: CONE53
EMSL SAMPLE ID: 49016-05
CUSTOMER SAMPLE ID: SS-005

Attention: Shaun McEvoy
 GHD Inc
 2055 Niagara Falls Blvd, Suite 3
 Niagara Falls, NY 14304

Customer PO:
EMSL Project ID:
Project Name: Oliver Gear

Phone: 716-297-6150
Email: Shaun.McEvoy@ghd.com

Collected: 12/19/2024
Received: 12/23/2024 10:59
Analyzed: See Results
Reported: 1/2/2025

| Analysis Initial | Analysis Date | Analyst Init. | Lab File ID | Canister ID | Sample Vol. | Dil. Factor |
|------------------|---------------|---------------|-------------|-------------|-------------|-------------|
| | 01/09/2025 | TP/LA | J0148.D | HD2790 | 50 cc | 5 |

Target Compound Results Summary

| Target Compounds | CAS# | MW | Result ppbv | RL ppbv | Q | Result ug/m3 | RL ug/m3 | Comments |
|---|-----------|-------|-------------|---------|---|--------------|----------|----------|
| Propylene | 115-07-1 | 42.08 | 3.6 | 1.0 | | 6.1 | 1.7 | |
| Freon 12(Dichlorodifluoromethane) | 75-71-8 | 120.9 | ND | 1.0 | | ND | 4.9 | |
| Freon 114(1,2-Dichlorotetrafluoroethan | 76-14-2 | 170.9 | ND | 1.0 | | ND | 7.0 | |
| Chloromethane | 74-87-3 | 50.49 | ND | 1.0 | | ND | 2.1 | |
| n-Butane | 106-97-8 | 58.12 | ND | 1.0 | | ND | 2.4 | |
| Vinyl chloride | 75-01-4 | 62.50 | ND | 1.0 | | ND | 2.6 | |
| 1,3-Butadiene | 106-99-0 | 54.09 | ND | 1.0 | | ND | 2.2 | |
| Bromomethane | 74-83-9 | 94.94 | ND | 1.0 | | ND | 3.9 | |
| Chloroethane | 75-00-3 | 64.51 | ND | 1.0 | | ND | 2.6 | |
| Ethanol | 64-17-5 | 46.07 | 23 | 5.0 | | 44 | 9.4 | |
| Bromoethene(Vinyl bromide) | 593-60-2 | 106.9 | ND | 1.0 | | ND | 4.4 | |
| Freon 11(Trichlorofluoromethane) | 75-69-4 | 137.4 | ND | 1.0 | | ND | 5.6 | |
| Isopropyl alcohol(2-Propanol) | 67-63-0 | 60.09 | 2.3 | 1.0 | | 5.8 | 2.5 | |
| Freon 113(1,1,2-Trichlorotrifluoroethan | 76-13-1 | 187.4 | ND | 1.0 | | ND | 7.7 | |
| Acetone | 67-64-1 | 58.08 | 31 | 1.0 | | 73 | 2.4 | |
| 1,1-Dichloroethene | 75-35-4 | 96.94 | ND | 1.0 | | ND | 4.0 | |
| Acetonitrile | 75-05-8 | 41.05 | ND | 1.0 | | ND | 1.7 | |
| Tertiary butyl alcohol(TBA) | 75-65-0 | 74.12 | ND | 1.0 | | ND | 3.0 | |
| Bromoethane(Ethyl bromide) | 74-96-4 | 109.0 | ND | 1.0 | | ND | 4.5 | |
| 3-Chloropropene(Allyl chloride) | 107-05-1 | 76.52 | ND | 1.0 | | ND | 3.1 | |
| Carbon disulfide | 75-15-0 | 76.14 | ND | 1.0 | | ND | 3.1 | |
| Methylene chloride | 75-09-2 | 84.93 | ND | 1.0 | | ND | 3.5 | |
| Acrylonitrile | 107-13-1 | 53.08 | ND | 1.0 | | ND | 2.2 | |
| Methyl-tert-butyl ether(MTBE) | 1634-04-4 | 88.15 | ND | 1.0 | | ND | 3.6 | |
| trans-1,2-Dichloroethene | 156-60-5 | 96.94 | ND | 1.0 | | ND | 4.0 | |
| n-Hexane | 110-54-3 | 86.18 | ND | 1.0 | | ND | 3.5 | |
| 1,1-Dichloroethane | 75-34-3 | 98.96 | ND | 1.0 | | ND | 4.0 | |
| Vinyl acetate | 108-05-4 | 86.09 | ND | 1.0 | | ND | 3.5 | |
| 2-Butanone(MEK) | 78-93-3 | 72.11 | 3.9 | 1.0 | | 11 | 2.9 | |
| cis-1,2-Dichloroethene | 156-59-2 | 96.94 | ND | 1.0 | | ND | 4.0 | |
| Ethyl acetate | 141-78-6 | 88.11 | 27 | 1.0 | | 100 | 3.6 | |
| Chloroform | 67-66-3 | 119.4 | ND | 1.0 | | ND | 4.9 | |
| Tetrahydrofuran | 109-99-9 | 72.11 | ND | 1.0 | | ND | 2.9 | |
| 1,1,1-Trichloroethane | 71-55-6 | 133.4 | 2.6 | 1.0 | | 14 | 5.5 | |
| Cyclohexane | 110-82-7 | 84.16 | ND | 1.0 | | ND | 3.4 | |
| 2,2,4-Trimethylpentane(Isooctane) | 540-84-1 | 114.2 | ND | 1.0 | | ND | 4.7 | |
| Carbon tetrachloride | 56-23-5 | 153.8 | ND | 1.0 | | ND | 6.3 | |
| n-Heptane | 142-82-5 | 100.2 | ND | 1.0 | | ND | 4.1 | |
| 1,2-Dichloroethane | 107-06-2 | 98.96 | ND | 1.0 | | ND | 4.0 | |
| Benzene | 71-43-2 | 78.11 | ND | 1.0 | | ND | 3.2 | |
| Trichloroethene | 79-01-6 | 131.4 | ND | 1.0 | | ND | 5.4 | |
| 1,2-Dichloropropane | 78-87-5 | 113.0 | ND | 1.0 | | ND | 4.6 | |
| Methyl Methacrylate | 80-62-6 | 100.1 | ND | 1.0 | | ND | 4.1 | |
| Bromodichloromethane | 75-27-4 | 163.8 | ND | 1.0 | | ND | 6.7 | |
| 1,4-Dioxane | 123-91-1 | 88.11 | ND | 1.0 | | ND | 3.6 | |

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EMSL ORDER ID: 49-016
EMSL CUSTOMER ID: CONE53
EMSL SAMPLE ID: 49016-05
CUSTOMER SAMPLE ID: SS-005

Attention: Shaun McEvoy
 GHD Inc
 2055 Niagara Falls Blvd, Suite 3
 Niagara Falls, NY 14304

Customer PO:
EMSL Project ID:
Project Name: Oliver Gear

Phone: 716-297-6150
Email: Shaun.McEvoy@ghd.com

Collected: 12/19/2024
Received: 12/23/2024 10:59
Analyzed: See Results
Reported: 1/2/2025

| Analysis Initial | Analysis Date | Analyst Init. | Lab File ID | Canister ID | Sample Vol. | Dil. Factor |
|------------------|---------------|---------------|-------------|-------------|-------------|-------------|
| | 01/09/2025 | TP/LA | J0148.D | HD2790 | 50 cc | 5 |

Target Compound Results Summary

| Target Compounds | CAS# | MW | Result ppbv | RL ppbv | Q | Result ug/m3 | RL ug/m3 | Comments |
|--|------------|-------|-------------|-------------|---|--------------|--------------|----------|
| 4-Methyl-2-pentanone(MIBK) | 108-10-1 | 100.2 | ND | 1.0 | | ND | 4.1 | |
| cis-1,3-Dichloropropene | 10061-01-5 | 111.0 | ND | 1.0 | | ND | 4.5 | |
| Toluene | 108-88-3 | 92.14 | 3.5 | 1.0 | | 13 | 3.8 | |
| trans-1,3-Dichloropropene | 10061-02-6 | 111.0 | ND | 1.0 | | ND | 4.5 | |
| 1,1,2-Trichloroethane | 79-00-5 | 133.4 | ND | 1.0 | | ND | 5.5 | |
| 2-Hexanone(MBK) | 591-78-6 | 100.2 | ND | 1.0 | | ND | 4.1 | |
| Tetrachloroethene | 127-18-4 | 165.8 | 28 | 1.0 | | 190 | 6.8 | |
| Dibromochloromethane | 124-48-1 | 208.3 | ND | 1.0 | | ND | 8.5 | |
| 1,2-Dibromoethane | 106-93-4 | 187.9 | ND | 1.0 | | ND | 7.7 | |
| Chlorobenzene | 108-90-7 | 112.6 | ND | 1.0 | | ND | 4.6 | |
| Ethylbenzene | 100-41-4 | 106.2 | 25 | 1.0 | | 110 | 4.3 | |
| Xylene (p,m) | 1330-20-7 | 106.2 | 76 | 2.0 | | 330 | 8.7 | |
| Xylene (Ortho) | 95-47-6 | 106.2 | 14 | 1.0 | | 61 | 4.3 | |
| Styrene | 100-42-5 | 104.1 | ND | 1.0 | | ND | 4.3 | |
| Isopropylbenzene (cumene) | 98-82-8 | 120.2 | ND | 1.0 | | ND | 4.9 | |
| Bromoform | 75-25-2 | 252.7 | ND | 1.0 | | ND | 10 | |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 167.9 | ND | 1.0 | | ND | 6.9 | |
| 4-Ethyltoluene | 622-96-8 | 120.2 | ND | 1.0 | | ND | 4.9 | |
| 1,3,5-Trimethylbenzene | 108-67-8 | 120.2 | ND | 1.0 | | ND | 4.9 | |
| 2-Chlorotoluene | 95-49-8 | 126.6 | ND | 1.0 | | ND | 5.2 | |
| 1,2,4-Trimethylbenzene | 95-63-6 | 120.2 | ND | 1.0 | | ND | 4.9 | |
| 1,3-Dichlorobenzene | 541-73-1 | 147.0 | ND | 1.0 | | ND | 6.0 | |
| 1,4-Dichlorobenzene | 106-46-7 | 147.0 | ND | 1.0 | | ND | 6.0 | |
| Benzyl chloride | 100-44-7 | 126.6 | ND | 1.0 | | ND | 5.2 | |
| 1,2-Dichlorobenzene | 95-50-1 | 147.0 | ND | 1.0 | | ND | 6.0 | |
| 1,2,4-Trichlorobenzene | 120-82-1 | 181.4 | ND | 1.0 | | ND | 7.4 | |
| Hexachloro-1,3-butadiene | 87-68-3 | 260.8 | ND | 1.0 | | ND | 11 | |
| Naphthalene | 91-20-3 | 128.2 | ND | 1.0 | | ND | 5.2 | |
| Total Target Compound Concentrations: | | | 240 | ppbv | | 1000 | ug/m3 | |

Surrogate

4-Bromofluorobenzene

Result

9.3

Spike

10

Recovery

93%

Qualifier Definitions**ND = Non Detect**

B = Compound also found in method blank.

E= Estimated concentration exceeding upper calibration range.

D= Result reported from diluted analysis.

J= Concentration estimated between Reporting Limit and MDL.

Method Reference

USEPA: Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) in Air..." Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS), January 1999, (EPA/625/R-96/010b).

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EMSL ORDER ID: 49-016
EMSL CUSTOMER ID: CONE53
EMSL SAMPLE ID: 49016-06
CUSTOMER SAMPLE ID: IA-006

Attention: Shaun McEvoy
 GHD Inc
 2055 Niagara Falls Blvd, Suite 3
 Niagara Falls, NY 14304

Customer PO:
EMSL Project ID:
Project Name: Oliver Gear

Phone: 716-297-6150
Email: Shaun.McEvoy@ghd.com

Collected: 12/19/2024
Received: 12/23/2024 10:59
Analyzed: See Results
Reported: 1/2/2025

| Analysis Initial | Analysis Date | Analyst Init. | Lab File ID | Canister ID | Sample Vol. | Dil. Factor |
|------------------|---------------|---------------|-------------|-------------|-------------|-------------|
| | 01/09/2025 | TP/LA | J0149.D | HD2870 | 250 cc | 1 |

Target Compound Results Summary

| Target Compounds | CAS# | MW | Result ppbv | RL ppbv | Q | Result ug/m3 | RL ug/m3 | Comments |
|---|-----------|-------|-------------|---------|---|--------------|----------|----------|
| Propylene | 115-07-1 | 42.08 | ND | 0.20 | | ND | 0.34 | |
| Freon 12(Dichlorodifluoromethane) | 75-71-8 | 120.9 | 0.34 | 0.20 | | 1.7 | 1.0 | |
| Freon 114(1,2-Dichlorotetrafluoroethan | 76-14-2 | 170.9 | ND | 0.20 | | ND | 1.4 | |
| Chloromethane | 74-87-3 | 50.49 | 0.73 | 0.20 | | 1.5 | 0.41 | |
| n-Butane | 106-97-8 | 58.12 | 0.67 | 0.20 | | 1.6 | 0.48 | |
| Vinyl chloride | 75-01-4 | 62.50 | ND | 0.20 | | ND | 0.51 | |
| 1,3-Butadiene | 106-99-0 | 54.09 | ND | 0.20 | | ND | 0.44 | |
| Bromomethane | 74-83-9 | 94.94 | ND | 0.20 | | ND | 0.78 | |
| Chloroethane | 75-00-3 | 64.51 | ND | 0.20 | | ND | 0.53 | |
| Ethanol | 64-17-5 | 46.07 | 9.7 | 1.0 | | 18 | 1.9 | |
| Bromoethene(Vinyl bromide) | 593-60-2 | 106.9 | ND | 0.20 | | ND | 0.87 | |
| Freon 11(Trichlorofluoromethane) | 75-69-4 | 137.4 | 0.20 | 0.20 | | 1.1 | 1.1 | |
| Isopropyl alcohol(2-Propanol) | 67-63-0 | 60.09 | 0.88 | 0.20 | | 2.2 | 0.49 | |
| Freon 113(1,1,2-Trichlorotrifluoroethan | 76-13-1 | 187.4 | ND | 0.20 | | ND | 1.5 | |
| Acetone | 67-64-1 | 58.08 | 2.0 | 0.20 | | 4.7 | 0.48 | |
| 1,1-Dichloroethene | 75-35-4 | 96.94 | ND | 0.20 | | ND | 0.79 | |
| Acetonitrile | 75-05-8 | 41.05 | ND | 0.20 | | ND | 0.34 | |
| Tertiary butyl alcohol(TBA) | 75-65-0 | 74.12 | ND | 0.20 | | ND | 0.61 | |
| Bromoethane(Ethyl bromide) | 74-96-4 | 109.0 | ND | 0.20 | | ND | 0.89 | |
| 3-Chloropropene(Allyl chloride) | 107-05-1 | 76.52 | ND | 0.20 | | ND | 0.63 | |
| Carbon disulfide | 75-15-0 | 76.14 | ND | 0.20 | | ND | 0.62 | |
| Methylene chloride | 75-09-2 | 84.93 | ND | 0.20 | | ND | 0.69 | |
| Acrylonitrile | 107-13-1 | 53.08 | ND | 0.20 | | ND | 0.43 | |
| Methyl-tert-butyl ether(MTBE) | 1634-04-4 | 88.15 | ND | 0.20 | | ND | 0.72 | |
| trans-1,2-Dichloroethene | 156-60-5 | 96.94 | ND | 0.20 | | ND | 0.79 | |
| n-Hexane | 110-54-3 | 86.18 | ND | 0.20 | | ND | 0.70 | |
| 1,1-Dichloroethane | 75-34-3 | 98.96 | ND | 0.20 | | ND | 0.81 | |
| Vinyl acetate | 108-05-4 | 86.09 | ND | 0.20 | | ND | 0.70 | |
| 2-Butanone(MEK) | 78-93-3 | 72.11 | ND | 0.20 | | ND | 0.59 | |
| cis-1,2-Dichloroethene | 156-59-2 | 96.94 | ND | 0.20 | | ND | 0.79 | |
| Ethyl acetate | 141-78-6 | 88.11 | 0.67 | 0.20 | | 2.4 | 0.72 | |
| Chloroform | 67-66-3 | 119.4 | ND | 0.20 | | ND | 1.0 | |
| Tetrahydrofuran | 109-99-9 | 72.11 | ND | 0.20 | | ND | 0.59 | |
| 1,1,1-Trichloroethane | 71-55-6 | 133.4 | ND | 0.20 | | ND | 1.1 | |
| Cyclohexane | 110-82-7 | 84.16 | ND | 0.20 | | ND | 0.69 | |
| 2,2,4-Trimethylpentane(Isooctane) | 540-84-1 | 114.2 | ND | 0.20 | | ND | 0.93 | |
| Carbon tetrachloride | 56-23-5 | 153.8 | ND | 0.20 | | ND | 1.3 | |
| n-Heptane | 142-82-5 | 100.2 | ND | 0.20 | | ND | 0.82 | |
| 1,2-Dichloroethane | 107-06-2 | 98.96 | ND | 0.20 | | ND | 0.81 | |
| Benzene | 71-43-2 | 78.11 | ND | 0.20 | | ND | 0.64 | |
| Trichloroethene | 79-01-6 | 131.4 | ND | 0.20 | | ND | 1.1 | |
| 1,2-Dichloropropane | 78-87-5 | 113.0 | ND | 0.20 | | ND | 0.92 | |
| Methyl Methacrylate | 80-62-6 | 100.1 | ND | 0.20 | | ND | 0.82 | |
| Bromodichloromethane | 75-27-4 | 163.8 | ND | 0.20 | | ND | 1.3 | |
| 1,4-Dioxane | 123-91-1 | 88.11 | ND | 0.20 | | ND | 0.72 | |

**EMSL ANALYTICAL, INC.**

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EMSL ORDER ID: 49-016
EMSL CUSTOMER ID: CONE53
EMSL SAMPLE ID: 49016-06
CUSTOMER SAMPLE ID: IA-006

Attention: Shaun McEvoy
 GHD Inc
 2055 Niagara Falls Blvd, Suite 3
 Niagara Falls, NY 14304

Customer PO:
EMSL Project ID:
Project Name: Oliver Gear

Phone: 716-297-6150
Email: Shaun.McEvoy@ghd.com

Collected: 12/19/2024
Received: 12/23/2024 10:59
Analyzed: See Results
Reported: 1/2/2025

| Analysis Initial | Analysis Date | Analyst Init. | Lab File ID | Canister ID | Sample Vol. | Dil. Factor |
|------------------|---------------|---------------|-------------|-------------|-------------|-------------|
| | 01/09/2025 | TP/LA | J0149.D | HD2870 | 250 cc | 1 |

Target Compound Results Summary

| Target Compounds | CAS# | MW | Result ppbv | RL ppbv | Q | Result ug/m3 | RL ug/m3 | Comments |
|--|------------|-------|-------------|-------------|---|--------------|--------------|----------|
| 4-Methyl-2-pentanone(MIBK) | 108-10-1 | 100.2 | ND | 0.20 | | ND | 0.82 | |
| cis-1,3-Dichloropropene | 10061-01-5 | 111.0 | ND | 0.20 | | ND | 0.91 | |
| Toluene | 108-88-3 | 92.14 | 0.26 | 0.20 | | 1.0 | 0.75 | |
| trans-1,3-Dichloropropene | 10061-02-6 | 111.0 | ND | 0.20 | | ND | 0.91 | |
| 1,1,2-Trichloroethane | 79-00-5 | 133.4 | ND | 0.20 | | ND | 1.1 | |
| 2-Hexanone(MBK) | 591-78-6 | 100.2 | ND | 0.20 | | ND | 0.82 | |
| Tetrachloroethene | 127-18-4 | 165.8 | ND | 0.20 | | ND | 1.4 | |
| Dibromochloromethane | 124-48-1 | 208.3 | ND | 0.20 | | ND | 1.7 | |
| 1,2-Dibromoethane | 106-93-4 | 187.9 | ND | 0.20 | | ND | 1.5 | |
| Chlorobenzene | 108-90-7 | 112.6 | ND | 0.20 | | ND | 0.92 | |
| Ethylbenzene | 100-41-4 | 106.2 | ND | 0.20 | | ND | 0.87 | |
| Xylene (p,m) | 1330-20-7 | 106.2 | 0.51 | 0.40 | | 2.2 | 1.7 | |
| Xylene (Ortho) | 95-47-6 | 106.2 | ND | 0.20 | | ND | 0.87 | |
| Styrene | 100-42-5 | 104.1 | ND | 0.20 | | ND | 0.85 | |
| Isopropylbenzene (cumene) | 98-82-8 | 120.2 | ND | 0.20 | | ND | 1.0 | |
| Bromoform | 75-25-2 | 252.7 | ND | 0.20 | | ND | 2.1 | |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 167.9 | ND | 0.20 | | ND | 1.4 | |
| 4-Ethyltoluene | 622-96-8 | 120.2 | ND | 0.20 | | ND | 1.0 | |
| 1,3,5-Trimethylbenzene | 108-67-8 | 120.2 | ND | 0.20 | | ND | 1.0 | |
| 2-Chlorotoluene | 95-49-8 | 126.6 | ND | 0.20 | | ND | 1.0 | |
| 1,2,4-Trimethylbenzene | 95-63-6 | 120.2 | ND | 0.20 | | ND | 1.0 | |
| 1,3-Dichlorobenzene | 541-73-1 | 147.0 | ND | 0.20 | | ND | 1.2 | |
| 1,4-Dichlorobenzene | 106-46-7 | 147.0 | ND | 0.20 | | ND | 1.2 | |
| Benzyl chloride | 100-44-7 | 126.6 | ND | 0.20 | | ND | 1.0 | |
| 1,2-Dichlorobenzene | 95-50-1 | 147.0 | ND | 0.20 | | ND | 1.2 | |
| 1,2,4-Trichlorobenzene | 120-82-1 | 181.4 | ND | 0.20 | | ND | 1.5 | |
| Hexachloro-1,3-butadiene | 87-68-3 | 260.8 | ND | 0.20 | | ND | 2.1 | |
| Naphthalene | 91-20-3 | 128.2 | ND | 0.20 | | ND | 1.0 | |
| Total Target Compound Concentrations: | | | 16 | ppbv | | 36 | ug/m3 | |

Surrogate

4-Bromofluorobenzene

Result

9.1

Spike

10

Recovery

91%

Qualifier Definitions**ND = Non Detect**

B = Compound also found in method blank.

E= Estimated concentration exceeding upper calibration range.

D= Result reported from diluted analysis.

J= Concentration estimated between Reporting Limit and MDL.

Method Reference

USEPA: Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) in Air..." Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS), January 1999, (EPA/625/R-96/010b).

**EMSL ANALYTICAL, INC.**

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EMSL ORDER ID: 49-016
EMSL CUSTOMER ID: CONE53
EMSL SAMPLE ID: 49016-07
CUSTOMER SAMPLE ID: SS-007

Attention: Shaun McEvoy
 GHD Inc
 2055 Niagara Falls Blvd, Suite 3
 Niagara Falls, NY 14304

Customer PO:
EMSL Project ID:
Project Name: Oliver Gear

Phone: 716-297-6150
Email: Shaun.McEvoy@ghd.com

Collected: 12/19/2024
Received: 12/23/2024 10:59
Analyzed: See Results
Reported: 1/24/2025

| Analysis Initial | Analysis Date | Analyst Init. | Lab File ID | Canister ID | Sample Vol. | Dil. Factor |
|------------------|---------------|---------------|-------------|-------------|-------------|-------------|
| Dilution1 | 01/09/2025 | TP/LA | J0150.D | HD9545 | 50 cc | 5 |
| | 01/17/2025 | TP/LA | J0280.D | HD9545 | 50 cc | 15 |

Target Compound Results Summary

| Target Compounds | CAS# | MW | Result ppbv | RL ppbv | Q | Result ug/m3 | RL ug/m3 | Comments |
|---|-----------|-------|-------------|---------|---|--------------|----------|----------|
| Propylene | 115-07-1 | 42.08 | ND | 1.0 | | ND | 1.7 | |
| Freon 12(Dichlorodifluoromethane) | 75-71-8 | 120.9 | ND | 1.0 | | ND | 4.9 | |
| Freon 114(1,2-Dichlorotetrafluoroethan | 76-14-2 | 170.9 | ND | 1.0 | | ND | 7.0 | |
| Chloromethane | 74-87-3 | 50.49 | ND | 1.0 | | ND | 2.1 | |
| n-Butane | 106-97-8 | 58.12 | ND | 1.0 | | ND | 2.4 | |
| Vinyl chloride | 75-01-4 | 62.50 | ND | 1.0 | | ND | 2.6 | |
| 1,3-Butadiene | 106-99-0 | 54.09 | ND | 1.0 | | ND | 2.2 | |
| Bromomethane | 74-83-9 | 94.94 | ND | 1.0 | | ND | 3.9 | |
| Chloroethane | 75-00-3 | 64.51 | ND | 1.0 | | ND | 2.6 | |
| Ethanol | 64-17-5 | 46.07 | 30 | 5.0 | | 56 | 9.4 | |
| Bromoethene(Vinyl bromide) | 593-60-2 | 106.9 | ND | 1.0 | | ND | 4.4 | |
| Freon 11(Trichlorofluoromethane) | 75-69-4 | 137.4 | ND | 1.0 | | ND | 5.6 | |
| Isopropyl alcohol(2-Propanol) | 67-63-0 | 60.09 | 6.6 | 1.0 | | 16 | 2.5 | |
| Freon 113(1,1,2-Trichlorotrifluoroethan | 76-13-1 | 187.4 | ND | 1.0 | | ND | 7.7 | |
| Acetone | 67-64-1 | 58.08 | 31 | 1.0 | | 74 | 2.4 | |
| 1,1-Dichloroethene | 75-35-4 | 96.94 | ND | 1.0 | | ND | 4.0 | |
| Acetonitrile | 75-05-8 | 41.05 | ND | 1.0 | | ND | 1.7 | |
| Tertiary butyl alcohol(TBA) | 75-65-0 | 74.12 | 7.0 | 1.0 | | 21 | 3.0 | |
| Bromoethane(Ethyl bromide) | 74-96-4 | 109.0 | ND | 1.0 | | ND | 4.5 | |
| 3-Chloropropene(Allyl chloride) | 107-05-1 | 76.52 | ND | 1.0 | | ND | 3.1 | |
| Carbon disulfide | 75-15-0 | 76.14 | ND | 1.0 | | ND | 3.1 | |
| Methylene chloride | 75-09-2 | 84.93 | ND | 1.0 | | ND | 3.5 | |
| Acrylonitrile | 107-13-1 | 53.08 | ND | 1.0 | | ND | 2.2 | |
| Methyl-tert-butyl ether(MTBE) | 1634-04-4 | 88.15 | ND | 1.0 | | ND | 3.6 | |
| trans-1,2-Dichloroethene | 156-60-5 | 96.94 | ND | 1.0 | | ND | 4.0 | |
| n-Hexane | 110-54-3 | 86.18 | 2.1 | 1.0 | | 7.3 | 3.5 | |
| 1,1-Dichloroethane | 75-34-3 | 98.96 | ND | 1.0 | | ND | 4.0 | |
| Vinyl acetate | 108-05-4 | 86.09 | ND | 1.0 | | ND | 3.5 | |
| 2-Butanone(MEK) | 78-93-3 | 72.11 | 4.1 | 1.0 | | 12 | 2.9 | |
| cis-1,2-Dichloroethene | 156-59-2 | 96.94 | ND | 1.0 | | ND | 4.0 | |
| Ethyl acetate | 141-78-6 | 88.11 | 18 | 1.0 | | 64 | 3.6 | |
| Chloroform | 67-66-3 | 119.4 | ND | 1.0 | | ND | 4.9 | |
| Tetrahydrofuran | 109-99-9 | 72.11 | ND | 1.0 | | ND | 2.9 | |
| 1,1,1-Trichloroethane | 71-55-6 | 133.4 | ND | 1.0 | | ND | 5.5 | |
| Cyclohexane | 110-82-7 | 84.16 | 1.4 | 1.0 | | 4.9 | 3.4 | |
| 2,2,4-Trimethylpentane(Isooctane) | 540-84-1 | 114.2 | ND | 1.0 | | ND | 4.7 | |
| Carbon tetrachloride | 56-23-5 | 153.8 | ND | 1.0 | | ND | 6.3 | |
| n-Heptane | 142-82-5 | 100.2 | ND | 1.0 | | ND | 4.1 | |
| 1,2-Dichloroethane | 107-06-2 | 98.96 | ND | 1.0 | | ND | 4.0 | |
| Benzene | 71-43-2 | 78.11 | 1.1 | 1.0 | | 3.5 | 3.2 | |
| Trichloroethene | 79-01-6 | 131.4 | ND | 1.0 | | ND | 5.4 | |
| 1,2-Dichloropropane | 78-87-5 | 113.0 | ND | 1.0 | | ND | 4.6 | |
| Methyl Methacrylate | 80-62-6 | 100.1 | ND | 1.0 | | ND | 4.1 | |
| Bromodichloromethane | 75-27-4 | 163.8 | ND | 1.0 | | ND | 6.7 | |
| 1,4-Dioxane | 123-91-1 | 88.11 | ND | 1.0 | | ND | 3.6 | |

**EMSL ANALYTICAL, INC.**

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EMSL ORDER ID: 49-016
EMSL CUSTOMER ID: CONE53
EMSL SAMPLE ID: 49016-07
CUSTOMER SAMPLE ID: SS-007

Attention: Shaun McEvoy
 GHD Inc
 2055 Niagara Falls Blvd, Suite 3
 Niagara Falls, NY 14304

Customer PO:
EMSL Project ID:
Project Name: Oliver Gear

Phone: 716-297-6150
Email: Shaun.McEvoy@ghd.com

Collected: 12/19/2024
Received: 12/23/2024 10:59
Analyzed: See Results
Reported: 1/24/2025

| Analysis Initial | Analysis Date | Analyst Init. | Lab File ID | Canister ID | Sample Vol. | Dil. Factor |
|------------------|---------------|---------------|-------------|-------------|-------------|-------------|
| | 01/09/2025 | TP/LA | J0150.D | HD9545 | 50 cc | 5 |
| Dilution1 | 01/17/2025 | TP/LA | J0280.D | HD9545 | 50 cc | 15 |

Target Compound Results Summary

| Target Compounds | CAS# | MW | Result ppbv | RL ppbv | Q | Result ug/m3 | RL ug/m3 | Comments |
|--|------------|-------|-------------|-------------|---|--------------|--------------|--------------------|
| 4-Methyl-2-pentanone(MIBK) | 108-10-1 | 100.2 | ND | 1.0 | | ND | 4.1 | |
| cis-1,3-Dichloropropene | 10061-01-5 | 111.0 | ND | 1.0 | | ND | 4.5 | |
| Toluene | 108-88-3 | 92.14 | 2.8 | 1.0 | | 11 | 3.8 | |
| trans-1,3-Dichloropropene | 10061-02-6 | 111.0 | ND | 1.0 | | ND | 4.5 | |
| 1,1,2-Trichloroethane | 79-00-5 | 133.4 | ND | 1.0 | | ND | 5.5 | |
| 2-Hexanone(MBK) | 591-78-6 | 100.2 | ND | 1.0 | | ND | 4.1 | |
| Tetrachloroethene | 127-18-4 | 165.8 | ND | 1.0 | | ND | 6.8 | |
| Dibromochloromethane | 124-48-1 | 208.3 | ND | 1.0 | | ND | 8.5 | |
| 1,2-Dibromoethane | 106-93-4 | 187.9 | ND | 1.0 | | ND | 7.7 | |
| Chlorobenzene | 108-90-7 | 112.6 | ND | 1.0 | | ND | 4.6 | |
| Ethylbenzene | 100-41-4 | 106.2 | 110 | 1.0 | | 470 | 4.3 | |
| Xylene (p,m) | 1330-20-7 | 106.2 | 420 | 6.0 | D | 1800 | 26 | Reported Dilution1 |
| Xylene (Ortho) | 95-47-6 | 106.2 | 75 | 1.0 | | 330 | 4.3 | |
| Styrene | 100-42-5 | 104.1 | ND | 1.0 | | ND | 4.3 | |
| Isopropylbenzene (cumene) | 98-82-8 | 120.2 | ND | 1.0 | | ND | 4.9 | |
| Bromoform | 75-25-2 | 252.7 | ND | 1.0 | | ND | 10 | |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 167.9 | ND | 1.0 | | ND | 6.9 | |
| 4-Ethyltoluene | 622-96-8 | 120.2 | ND | 1.0 | | ND | 4.9 | |
| 1,3,5-Trimethylbenzene | 108-67-8 | 120.2 | ND | 1.0 | | ND | 4.9 | |
| 2-Chlorotoluene | 95-49-8 | 126.6 | ND | 1.0 | | ND | 5.2 | |
| 1,2,4-Trimethylbenzene | 95-63-6 | 120.2 | ND | 1.0 | | ND | 4.9 | |
| 1,3-Dichlorobenzene | 541-73-1 | 147.0 | ND | 1.0 | | ND | 6.0 | |
| 1,4-Dichlorobenzene | 106-46-7 | 147.0 | ND | 1.0 | | ND | 6.0 | |
| Benzyl chloride | 100-44-7 | 126.6 | ND | 1.0 | | ND | 5.2 | |
| 1,2-Dichlorobenzene | 95-50-1 | 147.0 | ND | 1.0 | | ND | 6.0 | |
| 1,2,4-Trichlorobenzene | 120-82-1 | 181.4 | ND | 1.0 | | ND | 7.4 | |
| Hexachloro-1,3-butadiene | 87-68-3 | 260.8 | ND | 1.0 | | ND | 11 | |
| Naphthalene | 91-20-3 | 128.2 | ND | 1.0 | | ND | 5.2 | |
| Total Target Compound Concentrations: | | | 710 | ppbv | | 2900 | ug/m3 | |

Surrogate

4-Bromofluorobenzene

Result

9.3

Spike

10

Recovery

93%

Qualifier Definitions**ND = Non Detect**

B = Compound also found in method blank.

E= Estimated concentration exceeding upper calibration range.

D= Result reported from diluted analysis.

J= Concentration estimated between Reporting Limit and MDL.

Method Reference

USEPA: Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) in Air..." Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS), January 1999, (EPA/625/R-96/010b).

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EMSL ORDER ID: 49-016
EMSL CUSTOMER ID: CONE53
EMSL SAMPLE ID: 49016-08
CUSTOMER SAMPLE ID: IA-008

Attention: Shaun McEvoy
 GHD Inc
 2055 Niagara Falls Blvd, Suite 3
 Niagara Falls, NY 14304

Customer PO:
EMSL Project ID:
Project Name: Oliver Gear

Phone: 716-297-6150
Email: Shaun.McEvoy@ghd.com

Collected: 12/19/2024
Received: 12/23/2024 10:59
Analyzed: See Results
Reported: 1/2/2025

| Analysis Initial | Analysis Date | Analyst Init. | Lab File ID | Canister ID | Sample Vol. | Dil. Factor |
|------------------|---------------|---------------|-------------|-------------|-------------|-------------|
| | 01/13/2025 | TP/LA | J0205.D | HD9557 | 250 cc | 1 |

Target Compound Results Summary

| Target Compounds | CAS# | MW | Result ppbv | RL ppbv | Q | Result ug/m3 | RL ug/m3 | Comments |
|---|-----------|-------|-------------|---------|---|--------------|----------|----------|
| Propylene | 115-07-1 | 42.08 | ND | 0.20 | | ND | 0.34 | |
| Freon 12(Dichlorodifluoromethane) | 75-71-8 | 120.9 | 0.32 | 0.20 | | 1.6 | 1.0 | |
| Freon 114(1,2-Dichlorotetrafluoroethan | 76-14-2 | 170.9 | ND | 0.20 | | ND | 1.4 | |
| Chloromethane | 74-87-3 | 50.49 | 0.69 | 0.20 | | 1.4 | 0.41 | |
| n-Butane | 106-97-8 | 58.12 | 0.67 | 0.20 | | 1.6 | 0.48 | |
| Vinyl chloride | 75-01-4 | 62.50 | ND | 0.20 | | ND | 0.51 | |
| 1,3-Butadiene | 106-99-0 | 54.09 | ND | 0.20 | | ND | 0.44 | |
| Bromomethane | 74-83-9 | 94.94 | ND | 0.20 | | ND | 0.78 | |
| Chloroethane | 75-00-3 | 64.51 | ND | 0.20 | | ND | 0.53 | |
| Ethanol | 64-17-5 | 46.07 | 7.1 | 1.0 | | 13 | 1.9 | |
| Bromoethene(Vinyl bromide) | 593-60-2 | 106.9 | ND | 0.20 | | ND | 0.87 | |
| Freon 11(Trichlorofluoromethane) | 75-69-4 | 137.4 | ND | 0.20 | | ND | 1.1 | |
| Isopropyl alcohol(2-Propanol) | 67-63-0 | 60.09 | 0.52 | 0.20 | | 1.3 | 0.49 | |
| Freon 113(1,1,2-Trichlorotrifluoroethan | 76-13-1 | 187.4 | ND | 0.20 | | ND | 1.5 | |
| Acetone | 67-64-1 | 58.08 | 2.1 | 0.20 | | 4.9 | 0.48 | |
| 1,1-Dichloroethene | 75-35-4 | 96.94 | ND | 0.20 | | ND | 0.79 | |
| Acetonitrile | 75-05-8 | 41.05 | ND | 0.20 | | ND | 0.34 | |
| Tertiary butyl alcohol(TBA) | 75-65-0 | 74.12 | ND | 0.20 | | ND | 0.61 | |
| Bromoethane(Ethyl bromide) | 74-96-4 | 109.0 | ND | 0.20 | | ND | 0.89 | |
| 3-Chloropropene(Allyl chloride) | 107-05-1 | 76.52 | ND | 0.20 | | ND | 0.63 | |
| Carbon disulfide | 75-15-0 | 76.14 | ND | 0.20 | | ND | 0.62 | |
| Methylene chloride | 75-09-2 | 84.93 | ND | 0.20 | | ND | 0.69 | |
| Acrylonitrile | 107-13-1 | 53.08 | ND | 0.20 | | ND | 0.43 | |
| Methyl-tert-butyl ether(MTBE) | 1634-04-4 | 88.15 | ND | 0.20 | | ND | 0.72 | |
| trans-1,2-Dichloroethene | 156-60-5 | 96.94 | ND | 0.20 | | ND | 0.79 | |
| n-Hexane | 110-54-3 | 86.18 | ND | 0.20 | | ND | 0.70 | |
| 1,1-Dichloroethane | 75-34-3 | 98.96 | ND | 0.20 | | ND | 0.81 | |
| Vinyl acetate | 108-05-4 | 86.09 | ND | 0.20 | | ND | 0.70 | |
| 2-Butanone(MEK) | 78-93-3 | 72.11 | ND | 0.20 | | ND | 0.59 | |
| cis-1,2-Dichloroethene | 156-59-2 | 96.94 | ND | 0.20 | | ND | 0.79 | |
| Ethyl acetate | 141-78-6 | 88.11 | 0.37 | 0.20 | | 1.3 | 0.72 | |
| Chloroform | 67-66-3 | 119.4 | ND | 0.20 | | ND | 1.0 | |
| Tetrahydrofuran | 109-99-9 | 72.11 | ND | 0.20 | | ND | 0.59 | |
| 1,1,1-Trichloroethane | 71-55-6 | 133.4 | ND | 0.20 | | ND | 1.1 | |
| Cyclohexane | 110-82-7 | 84.16 | ND | 0.20 | | ND | 0.69 | |
| 2,2,4-Trimethylpentane(Isooctane) | 540-84-1 | 114.2 | ND | 0.20 | | ND | 0.93 | |
| Carbon tetrachloride | 56-23-5 | 153.8 | ND | 0.20 | | ND | 1.3 | |
| n-Heptane | 142-82-5 | 100.2 | ND | 0.20 | | ND | 0.82 | |
| 1,2-Dichloroethane | 107-06-2 | 98.96 | ND | 0.20 | | ND | 0.81 | |
| Benzene | 71-43-2 | 78.11 | ND | 0.20 | | ND | 0.64 | |
| Trichloroethene | 79-01-6 | 131.4 | ND | 0.20 | | ND | 1.1 | |
| 1,2-Dichloropropane | 78-87-5 | 113.0 | ND | 0.20 | | ND | 0.92 | |
| Methyl Methacrylate | 80-62-6 | 100.1 | ND | 0.20 | | ND | 0.82 | |
| Bromodichloromethane | 75-27-4 | 163.8 | ND | 0.20 | | ND | 1.3 | |
| 1,4-Dioxane | 123-91-1 | 88.11 | ND | 0.20 | | ND | 0.72 | |

**EMSL ANALYTICAL, INC.**

200 Route 130 North
 Cinnaminson, NJ 08077
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EMSL ORDER ID: 49-016
EMSL CUSTOMER ID: CONE53
EMSL SAMPLE ID: 49016-08
CUSTOMER SAMPLE ID: IA-008

Attention: Shaun McEvoy
 GHD Inc
 2055 Niagara Falls Blvd, Suite 3
 Niagara Falls, NY 14304

Customer PO:
EMSL Project ID:
Project Name: Oliver Gear

Phone: 716-297-6150
Email: Shaun.McEvoy@ghd.com

Collected: 12/19/2024
Received: 12/23/2024 10:59
Analyzed: See Results
Reported: 1/2/2025

| Analysis Initial | Analysis Date | Analyst Init. | Lab File ID | Canister ID | Sample Vol. | Dil. Factor |
|------------------|---------------|---------------|-------------|-------------|-------------|-------------|
| | 01/13/2025 | TP/LA | J0205.D | HD9557 | 250 cc | 1 |

Target Compound Results Summary

| Target Compounds | CAS# | MW | Result ppbv | RL ppbv | Q | Result ug/m3 | RL ug/m3 | Comments |
|--|------------|-------|-------------|-------------|---|--------------|--------------|----------|
| 4-Methyl-2-pentanone(MIBK) | 108-10-1 | 100.2 | ND | 0.20 | | ND | 0.82 | |
| cis-1,3-Dichloropropene | 10061-01-5 | 111.0 | ND | 0.20 | | ND | 0.91 | |
| Toluene | 108-88-3 | 92.14 | 0.21 | 0.20 | | 0.80 | 0.75 | |
| trans-1,3-Dichloropropene | 10061-02-6 | 111.0 | ND | 0.20 | | ND | 0.91 | |
| 1,1,2-Trichloroethane | 79-00-5 | 133.4 | ND | 0.20 | | ND | 1.1 | |
| 2-Hexanone(MBK) | 591-78-6 | 100.2 | ND | 0.20 | | ND | 0.82 | |
| Tetrachloroethene | 127-18-4 | 165.8 | ND | 0.20 | | ND | 1.4 | |
| Dibromochloromethane | 124-48-1 | 208.3 | ND | 0.20 | | ND | 1.7 | |
| 1,2-Dibromoethane | 106-93-4 | 187.9 | ND | 0.20 | | ND | 1.5 | |
| Chlorobenzene | 108-90-7 | 112.6 | ND | 0.20 | | ND | 0.92 | |
| Ethylbenzene | 100-41-4 | 106.2 | ND | 0.20 | | ND | 0.87 | |
| Xylene (p,m) | 1330-20-7 | 106.2 | ND | 0.40 | | ND | 1.7 | |
| Xylene (Ortho) | 95-47-6 | 106.2 | ND | 0.20 | | ND | 0.87 | |
| Styrene | 100-42-5 | 104.1 | ND | 0.20 | | ND | 0.85 | |
| Isopropylbenzene (cumene) | 98-82-8 | 120.2 | ND | 0.20 | | ND | 1.0 | |
| Bromoform | 75-25-2 | 252.7 | ND | 0.20 | | ND | 2.1 | |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 167.9 | ND | 0.20 | | ND | 1.4 | |
| 4-Ethyltoluene | 622-96-8 | 120.2 | ND | 0.20 | | ND | 1.0 | |
| 1,3,5-Trimethylbenzene | 108-67-8 | 120.2 | ND | 0.20 | | ND | 1.0 | |
| 2-Chlorotoluene | 95-49-8 | 126.6 | ND | 0.20 | | ND | 1.0 | |
| 1,2,4-Trimethylbenzene | 95-63-6 | 120.2 | ND | 0.20 | | ND | 1.0 | |
| 1,3-Dichlorobenzene | 541-73-1 | 147.0 | ND | 0.20 | | ND | 1.2 | |
| 1,4-Dichlorobenzene | 106-46-7 | 147.0 | ND | 0.20 | | ND | 1.2 | |
| Benzyl chloride | 100-44-7 | 126.6 | ND | 0.20 | | ND | 1.0 | |
| 1,2-Dichlorobenzene | 95-50-1 | 147.0 | ND | 0.20 | | ND | 1.2 | |
| 1,2,4-Trichlorobenzene | 120-82-1 | 181.4 | ND | 0.20 | | ND | 1.5 | |
| Hexachloro-1,3-butadiene | 87-68-3 | 260.8 | ND | 0.20 | | ND | 2.1 | |
| Naphthalene | 91-20-3 | 128.2 | ND | 0.20 | | ND | 1.0 | |
| Total Target Compound Concentrations: | | | 12 | ppbv | | 26 | ug/m3 | |

Surrogate

4-Bromofluorobenzene

Result

9.1

Spike

10

Recovery

91%

Qualifier Definitions**ND = Non Detect**

B = Compound also found in method blank.

E= Estimated concentration exceeding upper calibration range.

D= Result reported from diluted analysis.

J= Concentration estimated between Reporting Limit and MDL.

Method Reference

USEPA: Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) in Air..." Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS), January 1999, (EPA/625/R-96/010b).

**EMSL ANALYTICAL, INC.**

200 Route 130 North
 Cinnaminson, NJ 08077
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EMSL ORDER ID: 49-016
EMSL CUSTOMER ID: CONE53
EMSL SAMPLE ID: 49016-09
CUSTOMER SAMPLE ID: SS-009

Attention: Shaun McEvoy
 GHD Inc
 2055 Niagara Falls Blvd, Suite 3
 Niagara Falls, NY 14304

Customer PO:
EMSL Project ID:
Project Name: Oliver Gear

Phone: 716-297-6150
Email: Shaun.McEvoy@ghd.com

Collected: 12/19/2024
Received: 12/23/2024 10:59
Analyzed: See Results
Reported: 1/2/2025

| Analysis Initial | Analysis Date | Analyst Init. | Lab File ID | Canister ID | Sample Vol. | Dil. Factor |
|------------------|---------------|---------------|-------------|-------------|-------------|-------------|
| | 01/13/2025 | TP/LA | J0206.D | HD9562 | 50 cc | 5 |

Target Compound Results Summary

| Target Compounds | CAS# | MW | Result ppbv | RL ppbv | Q | Result ug/m3 | RL ug/m3 | Comments |
|---|-----------|-------|-------------|---------|---|--------------|----------|----------|
| Propylene | 115-07-1 | 42.08 | ND | 1.0 | | ND | 1.7 | |
| Freon 12(Dichlorodifluoromethane) | 75-71-8 | 120.9 | ND | 1.0 | | ND | 4.9 | |
| Freon 114(1,2-Dichlorotetrafluoroethan | 76-14-2 | 170.9 | ND | 1.0 | | ND | 7.0 | |
| Chloromethane | 74-87-3 | 50.49 | ND | 1.0 | | ND | 2.1 | |
| n-Butane | 106-97-8 | 58.12 | 5.6 | 1.0 | | 13 | 2.4 | |
| Vinyl chloride | 75-01-4 | 62.50 | ND | 1.0 | | ND | 2.6 | |
| 1,3-Butadiene | 106-99-0 | 54.09 | ND | 1.0 | | ND | 2.2 | |
| Bromomethane | 74-83-9 | 94.94 | ND | 1.0 | | ND | 3.9 | |
| Chloroethane | 75-00-3 | 64.51 | ND | 1.0 | | ND | 2.6 | |
| Ethanol | 64-17-5 | 46.07 | 29 | 5.0 | | 55 | 9.4 | |
| Bromoethene(Vinyl bromide) | 593-60-2 | 106.9 | ND | 1.0 | | ND | 4.4 | |
| Freon 11(Trichlorofluoromethane) | 75-69-4 | 137.4 | ND | 1.0 | | ND | 5.6 | |
| Isopropyl alcohol(2-Propanol) | 67-63-0 | 60.09 | 2.0 | 1.0 | | 4.9 | 2.5 | |
| Freon 113(1,1,2-Trichlorotrifluoroethan | 76-13-1 | 187.4 | ND | 1.0 | | ND | 7.7 | |
| Acetone | 67-64-1 | 58.08 | 61 | 1.0 | | 150 | 2.4 | |
| 1,1-Dichloroethene | 75-35-4 | 96.94 | ND | 1.0 | | ND | 4.0 | |
| Acetonitrile | 75-05-8 | 41.05 | ND | 1.0 | | ND | 1.7 | |
| Tertiary butyl alcohol(TBA) | 75-65-0 | 74.12 | ND | 1.0 | | ND | 3.0 | |
| Bromoethane(Ethyl bromide) | 74-96-4 | 109.0 | ND | 1.0 | | ND | 4.5 | |
| 3-Chloropropene(Allyl chloride) | 107-05-1 | 76.52 | ND | 1.0 | | ND | 3.1 | |
| Carbon disulfide | 75-15-0 | 76.14 | 5.7 | 1.0 | | 18 | 3.1 | |
| Methylene chloride | 75-09-2 | 84.93 | ND | 1.0 | | ND | 3.5 | |
| Acrylonitrile | 107-13-1 | 53.08 | ND | 1.0 | | ND | 2.2 | |
| Methyl-tert-butyl ether(MTBE) | 1634-04-4 | 88.15 | ND | 1.0 | | ND | 3.6 | |
| trans-1,2-Dichloroethene | 156-60-5 | 96.94 | ND | 1.0 | | ND | 4.0 | |
| n-Hexane | 110-54-3 | 86.18 | 2.6 | 1.0 | | 9.2 | 3.5 | |
| 1,1-Dichloroethane | 75-34-3 | 98.96 | ND | 1.0 | | ND | 4.0 | |
| Vinyl acetate | 108-05-4 | 86.09 | ND | 1.0 | | ND | 3.5 | |
| 2-Butanone(MEK) | 78-93-3 | 72.11 | 2.1 | 1.0 | | 6.3 | 2.9 | |
| cis-1,2-Dichloroethene | 156-59-2 | 96.94 | ND | 1.0 | | ND | 4.0 | |
| Ethyl acetate | 141-78-6 | 88.11 | 4.6 | 1.0 | | 17 | 3.6 | |
| Chloroform | 67-66-3 | 119.4 | 1.7 | 1.0 | | 8.3 | 4.9 | |
| Tetrahydrofuran | 109-99-9 | 72.11 | ND | 1.0 | | ND | 2.9 | |
| 1,1,1-Trichloroethane | 71-55-6 | 133.4 | ND | 1.0 | | ND | 5.5 | |
| Cyclohexane | 110-82-7 | 84.16 | 2.1 | 1.0 | | 7.4 | 3.4 | |
| 2,2,4-Trimethylpentane(Isooctane) | 540-84-1 | 114.2 | ND | 1.0 | | ND | 4.7 | |
| Carbon tetrachloride | 56-23-5 | 153.8 | ND | 1.0 | | ND | 6.3 | |
| n-Heptane | 142-82-5 | 100.2 | ND | 1.0 | | ND | 4.1 | |
| 1,2-Dichloroethane | 107-06-2 | 98.96 | ND | 1.0 | | ND | 4.0 | |
| Benzene | 71-43-2 | 78.11 | 1.1 | 1.0 | | 3.6 | 3.2 | |
| Trichloroethene | 79-01-6 | 131.4 | ND | 1.0 | | ND | 5.4 | |
| 1,2-Dichloropropane | 78-87-5 | 113.0 | ND | 1.0 | | ND | 4.6 | |
| Methyl Methacrylate | 80-62-6 | 100.1 | ND | 1.0 | | ND | 4.1 | |
| Bromodichloromethane | 75-27-4 | 163.8 | ND | 1.0 | | ND | 6.7 | |
| 1,4-Dioxane | 123-91-1 | 88.11 | ND | 1.0 | | ND | 3.6 | |

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EMSL ORDER ID: 49-016
EMSL CUSTOMER ID: CONE53
EMSL SAMPLE ID: 49016-09
CUSTOMER SAMPLE ID: SS-009

Attention: Shaun McEvoy
 GHD Inc
 2055 Niagara Falls Blvd, Suite 3
 Niagara Falls, NY 14304

Customer PO:
EMSL Project ID:
Project Name: Oliver Gear

Phone: 716-297-6150
Email: Shaun.McEvoy@ghd.com

Collected: 12/19/2024
Received: 12/23/2024 10:59
Analyzed: See Results
Reported: 1/2/2025

| Analysis Initial | Analysis Date | Analyst Init. | Lab File ID | Canister ID | Sample Vol. | Dil. Factor |
|------------------|---------------|---------------|-------------|-------------|-------------|-------------|
| | 01/13/2025 | TP/LA | J0206.D | HD9562 | 50 cc | 5 |

Target Compound Results Summary

| Target Compounds | CAS# | MW | Result ppbv | RL ppbv | Q | Result ug/m3 | RL ug/m3 | Comments |
|--|------------|-------|-------------|-------------|---|--------------|--------------|----------|
| 4-Methyl-2-pentanone(MIBK) | 108-10-1 | 100.2 | ND | 1.0 | | ND | 4.1 | |
| cis-1,3-Dichloropropene | 10061-01-5 | 111.0 | ND | 1.0 | | ND | 4.5 | |
| Toluene | 108-88-3 | 92.14 | 5.9 | 1.0 | | 22 | 3.8 | |
| trans-1,3-Dichloropropene | 10061-02-6 | 111.0 | ND | 1.0 | | ND | 4.5 | |
| 1,1,2-Trichloroethane | 79-00-5 | 133.4 | ND | 1.0 | | ND | 5.5 | |
| 2-Hexanone(MBK) | 591-78-6 | 100.2 | ND | 1.0 | | ND | 4.1 | |
| Tetrachloroethene | 127-18-4 | 165.8 | ND | 1.0 | | ND | 6.8 | |
| Dibromochloromethane | 124-48-1 | 208.3 | ND | 1.0 | | ND | 8.5 | |
| 1,2-Dibromoethane | 106-93-4 | 187.9 | ND | 1.0 | | ND | 7.7 | |
| Chlorobenzene | 108-90-7 | 112.6 | ND | 1.0 | | ND | 4.6 | |
| Ethylbenzene | 100-41-4 | 106.2 | 1.6 | 1.0 | | 7.0 | 4.3 | |
| Xylene (p,m) | 1330-20-7 | 106.2 | 3.5 | 2.0 | | 15 | 8.7 | |
| Xylene (Ortho) | 95-47-6 | 106.2 | 2.1 | 1.0 | | 9.3 | 4.3 | |
| Styrene | 100-42-5 | 104.1 | ND | 1.0 | | ND | 4.3 | |
| Isopropylbenzene (cumene) | 98-82-8 | 120.2 | ND | 1.0 | | ND | 4.9 | |
| Bromoform | 75-25-2 | 252.7 | ND | 1.0 | | ND | 10 | |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 167.9 | ND | 1.0 | | ND | 6.9 | |
| 4-Ethyltoluene | 622-96-8 | 120.2 | ND | 1.0 | | ND | 4.9 | |
| 1,3,5-Trimethylbenzene | 108-67-8 | 120.2 | ND | 1.0 | | ND | 4.9 | |
| 2-Chlorotoluene | 95-49-8 | 126.6 | ND | 1.0 | | ND | 5.2 | |
| 1,2,4-Trimethylbenzene | 95-63-6 | 120.2 | ND | 1.0 | | ND | 4.9 | |
| 1,3-Dichlorobenzene | 541-73-1 | 147.0 | ND | 1.0 | | ND | 6.0 | |
| 1,4-Dichlorobenzene | 106-46-7 | 147.0 | ND | 1.0 | | ND | 6.0 | |
| Benzyl chloride | 100-44-7 | 126.6 | ND | 1.0 | | ND | 5.2 | |
| 1,2-Dichlorobenzene | 95-50-1 | 147.0 | ND | 1.0 | | ND | 6.0 | |
| 1,2,4-Trichlorobenzene | 120-82-1 | 181.4 | ND | 1.0 | | ND | 7.4 | |
| Hexachloro-1,3-butadiene | 87-68-3 | 260.8 | ND | 1.0 | | ND | 11 | |
| Naphthalene | 91-20-3 | 128.2 | ND | 1.0 | | ND | 5.2 | |
| Total Target Compound Concentrations: | | | 130 | ppbv | | 350 | ug/m3 | |

Surrogate

4-Bromofluorobenzene

Result

9.0

Spike

10

Recovery

90%

Qualifier Definitions**ND = Non Detect**

B = Compound also found in method blank.

E= Estimated concentration exceeding upper calibration range.

D= Result reported from diluted analysis.

J= Concentration estimated between Reporting Limit and MDL.

Method Reference

USEPA: Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) in Air..." Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS), January 1999, (EPA/625/R-96/010b).

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EMSL ORDER ID: 49-016
EMSL CUSTOMER ID: CONE53
EMSL SAMPLE ID: 49016-10
CUSTOMER SAMPLE ID: IA-010

Attention: Shaun McEvoy
 GHD Inc
 2055 Niagara Falls Blvd, Suite 3
 Niagara Falls, NY 14304

Customer PO:
EMSL Project ID:
Project Name: Oliver Gear

Phone: 716-297-6150
Email: Shaun.McEvoy@ghd.com

Collected: 12/19/2024
Received: 12/23/2024 10:59
Analyzed: See Results
Reported: 1/2/2025

| Analysis Initial | Analysis Date | Analyst Init. | Lab File ID | Canister ID | Sample Vol. | Dil. Factor |
|------------------|---------------|---------------|-------------|-------------|-------------|-------------|
| | 01/13/2025 | TP/LA | J0207.D | HD11722 | 250 cc | 1 |

Target Compound Results Summary

| Target Compounds | CAS# | MW | Result ppbv | RL ppbv | Q | Result ug/m3 | RL ug/m3 | Comments |
|---|-----------|-------|-------------|---------|---|--------------|----------|----------|
| Propylene | 115-07-1 | 42.08 | ND | 0.20 | | ND | 0.34 | |
| Freon 12(Dichlorodifluoromethane) | 75-71-8 | 120.9 | 0.33 | 0.20 | | 1.6 | 1.0 | |
| Freon 114(1,2-Dichlorotetrafluoroethan | 76-14-2 | 170.9 | ND | 0.20 | | ND | 1.4 | |
| Chloromethane | 74-87-3 | 50.49 | 0.67 | 0.20 | | 1.4 | 0.41 | |
| n-Butane | 106-97-8 | 58.12 | 0.65 | 0.20 | | 1.6 | 0.48 | |
| Vinyl chloride | 75-01-4 | 62.50 | ND | 0.20 | | ND | 0.51 | |
| 1,3-Butadiene | 106-99-0 | 54.09 | ND | 0.20 | | ND | 0.44 | |
| Bromomethane | 74-83-9 | 94.94 | ND | 0.20 | | ND | 0.78 | |
| Chloroethane | 75-00-3 | 64.51 | ND | 0.20 | | ND | 0.53 | |
| Ethanol | 64-17-5 | 46.07 | 6.4 | 1.0 | | 12 | 1.9 | |
| Bromoethene(Vinyl bromide) | 593-60-2 | 106.9 | ND | 0.20 | | ND | 0.87 | |
| Freon 11(Trichlorofluoromethane) | 75-69-4 | 137.4 | ND | 0.20 | | ND | 1.1 | |
| Isopropyl alcohol(2-Propanol) | 67-63-0 | 60.09 | 0.43 | 0.20 | | 1.1 | 0.49 | |
| Freon 113(1,1,2-Trichlorotrifluoroethan | 76-13-1 | 187.4 | ND | 0.20 | | ND | 1.5 | |
| Acetone | 67-64-1 | 58.08 | 2.8 | 0.20 | | 6.7 | 0.48 | |
| 1,1-Dichloroethene | 75-35-4 | 96.94 | ND | 0.20 | | ND | 0.79 | |
| Acetonitrile | 75-05-8 | 41.05 | ND | 0.20 | | ND | 0.34 | |
| Tertiary butyl alcohol(TBA) | 75-65-0 | 74.12 | ND | 0.20 | | ND | 0.61 | |
| Bromoethane(Ethyl bromide) | 74-96-4 | 109.0 | ND | 0.20 | | ND | 0.89 | |
| 3-Chloropropene(Allyl chloride) | 107-05-1 | 76.52 | ND | 0.20 | | ND | 0.63 | |
| Carbon disulfide | 75-15-0 | 76.14 | ND | 0.20 | | ND | 0.62 | |
| Methylene chloride | 75-09-2 | 84.93 | ND | 0.20 | | ND | 0.69 | |
| Acrylonitrile | 107-13-1 | 53.08 | ND | 0.20 | | ND | 0.43 | |
| Methyl-tert-butyl ether(MTBE) | 1634-04-4 | 88.15 | ND | 0.20 | | ND | 0.72 | |
| trans-1,2-Dichloroethene | 156-60-5 | 96.94 | ND | 0.20 | | ND | 0.79 | |
| n-Hexane | 110-54-3 | 86.18 | ND | 0.20 | | ND | 0.70 | |
| 1,1-Dichloroethane | 75-34-3 | 98.96 | ND | 0.20 | | ND | 0.81 | |
| Vinyl acetate | 108-05-4 | 86.09 | ND | 0.20 | | ND | 0.70 | |
| 2-Butanone(MEK) | 78-93-3 | 72.11 | ND | 0.20 | | ND | 0.59 | |
| cis-1,2-Dichloroethene | 156-59-2 | 96.94 | ND | 0.20 | | ND | 0.79 | |
| Ethyl acetate | 141-78-6 | 88.11 | ND | 0.20 | | ND | 0.72 | |
| Chloroform | 67-66-3 | 119.4 | ND | 0.20 | | ND | 1.0 | |
| Tetrahydrofuran | 109-99-9 | 72.11 | ND | 0.20 | | ND | 0.59 | |
| 1,1,1-Trichloroethane | 71-55-6 | 133.4 | ND | 0.20 | | ND | 1.1 | |
| Cyclohexane | 110-82-7 | 84.16 | ND | 0.20 | | ND | 0.69 | |
| 2,2,4-Trimethylpentane(Isooctane) | 540-84-1 | 114.2 | ND | 0.20 | | ND | 0.93 | |
| Carbon tetrachloride | 56-23-5 | 153.8 | ND | 0.20 | | ND | 1.3 | |
| n-Heptane | 142-82-5 | 100.2 | ND | 0.20 | | ND | 0.82 | |
| 1,2-Dichloroethane | 107-06-2 | 98.96 | ND | 0.20 | | ND | 0.81 | |
| Benzene | 71-43-2 | 78.11 | ND | 0.20 | | ND | 0.64 | |
| Trichloroethene | 79-01-6 | 131.4 | ND | 0.20 | | ND | 1.1 | |
| 1,2-Dichloropropane | 78-87-5 | 113.0 | ND | 0.20 | | ND | 0.92 | |
| Methyl Methacrylate | 80-62-6 | 100.1 | ND | 0.20 | | ND | 0.82 | |
| Bromodichloromethane | 75-27-4 | 163.8 | ND | 0.20 | | ND | 1.3 | |
| 1,4-Dioxane | 123-91-1 | 88.11 | ND | 0.20 | | ND | 0.72 | |

**EMSL ANALYTICAL, INC.**

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to15lab@EMSL.com | <http://www.EMSL.com>

EMSL ORDER ID: 49-016
EMSL CUSTOMER ID: CONE53
EMSL SAMPLE ID: 49016-10
CUSTOMER SAMPLE ID: IA-010

Attention: Shaun McEvoy
 GHD Inc
 2055 Niagara Falls Blvd, Suite 3
 Niagara Falls, NY 14304

Customer PO:
EMSL Project ID:
Project Name: Oliver Gear

Phone: 716-297-6150
Email: Shaun.McEvoy@ghd.com

Collected: 12/19/2024
Received: 12/23/2024 10:59
Analyzed: See Results
Reported: 1/2/2025

| Analysis Initial | Analysis Date | Analyst Init. | Lab File ID | Canister ID | Sample Vol. | Dil. Factor |
|------------------|---------------|---------------|-------------|-------------|-------------|-------------|
| | 01/13/2025 | TP/LA | J0207.D | HD11722 | 250 cc | 1 |

Target Compound Results Summary

| Target Compounds | CAS# | MW | Result ppbv | RL ppbv | Q | Result ug/m3 | RL ug/m3 | Comments |
|----------------------------|------------|-------|-------------|---------|---|--------------|----------|----------|
| 4-Methyl-2-pentanone(MIBK) | 108-10-1 | 100.2 | ND | 0.20 | | ND | 0.82 | |
| cis-1,3-Dichloropropene | 10061-01-5 | 111.0 | ND | 0.20 | | ND | 0.91 | |
| Toluene | 108-88-3 | 92.14 | ND | 0.20 | | ND | 0.75 | |
| trans-1,3-Dichloropropene | 10061-02-6 | 111.0 | ND | 0.20 | | ND | 0.91 | |
| 1,1,2-Trichloroethane | 79-00-5 | 133.4 | ND | 0.20 | | ND | 1.1 | |
| 2-Hexanone(MBK) | 591-78-6 | 100.2 | ND | 0.20 | | ND | 0.82 | |
| Tetrachloroethene | 127-18-4 | 165.8 | ND | 0.20 | | ND | 1.4 | |
| Dibromochloromethane | 124-48-1 | 208.3 | ND | 0.20 | | ND | 1.7 | |
| 1,2-Dibromoethane | 106-93-4 | 187.9 | ND | 0.20 | | ND | 1.5 | |
| Chlorobenzene | 108-90-7 | 112.6 | ND | 0.20 | | ND | 0.92 | |
| Ethylbenzene | 100-41-4 | 106.2 | ND | 0.20 | | ND | 0.87 | |
| Xylene (p,m) | 1330-20-7 | 106.2 | ND | 0.40 | | ND | 1.7 | |
| Xylene (Ortho) | 95-47-6 | 106.2 | ND | 0.20 | | ND | 0.87 | |
| Styrene | 100-42-5 | 104.1 | ND | 0.20 | | ND | 0.85 | |
| Isopropylbenzene (cumene) | 98-82-8 | 120.2 | ND | 0.20 | | ND | 1.0 | |
| Bromoform | 75-25-2 | 252.7 | ND | 0.20 | | ND | 2.1 | |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 167.9 | ND | 0.20 | | ND | 1.4 | |
| 4-Ethyltoluene | 622-96-8 | 120.2 | ND | 0.20 | | ND | 1.0 | |
| 1,3,5-Trimethylbenzene | 108-67-8 | 120.2 | ND | 0.20 | | ND | 1.0 | |
| 2-Chlorotoluene | 95-49-8 | 126.6 | ND | 0.20 | | ND | 1.0 | |
| 1,2,4-Trimethylbenzene | 95-63-6 | 120.2 | ND | 0.20 | | ND | 1.0 | |
| 1,3-Dichlorobenzene | 541-73-1 | 147.0 | ND | 0.20 | | ND | 1.2 | |
| 1,4-Dichlorobenzene | 106-46-7 | 147.0 | ND | 0.20 | | ND | 1.2 | |
| Benzyl chloride | 100-44-7 | 126.6 | ND | 0.20 | | ND | 1.0 | |
| 1,2-Dichlorobenzene | 95-50-1 | 147.0 | ND | 0.20 | | ND | 1.2 | |
| 1,2,4-Trichlorobenzene | 120-82-1 | 181.4 | ND | 0.20 | | ND | 1.5 | |
| Hexachloro-1,3-butadiene | 87-68-3 | 260.8 | ND | 0.20 | | ND | 2.1 | |
| Naphthalene | 91-20-3 | 128.2 | ND | 0.20 | | ND | 1.0 | |

Total Target Compound Concentrations:

| | | | |
|-----------|-------------|-----------|--------------|
| 11 | ppbv | 24 | ug/m3 |
|-----------|-------------|-----------|--------------|

Surrogate

4-Bromofluorobenzene

Result

9.0

Spike

10

Recovery

90%

Qualifier Definitions**ND = Non Detect**

B = Compound also found in method blank.

E= Estimated concentration exceeding upper calibration range.

D= Result reported from diluted analysis.

J= Concentration estimated between Reporting Limit and MDL.

Method Reference

USEPA: Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) in Air..." Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS), January 1999, (EPA/625/R-96/010b).

**EMSL ANALYTICAL, INC.**

200 Route 130 North
 Cinnaminson, NJ 08077
 Telephone: (856)858-4800 FAX: (856)858-4571
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EMSL ORDER ID: 49-016
EMSL CUSTOMER ID: CONE53
EMSL SAMPLE ID: 49016-11
CUSTOMER SAMPLE ID: SS-011

Attention: Shaun McEvoy
 GHD Inc
 2055 Niagara Falls Blvd, Suite 3
 Niagara Falls, NY 14304

Customer PO:
EMSL Project ID:
Project Name: Oliver Gear

Phone: 716-297-6150
Email: Shaun.McEvoy@ghd.com

Collected: 12/19/2024
Received: 12/23/2024 10:59
Analyzed: See Results
Reported: 1/2/2025

| Analysis Initial | Analysis Date | Analyst Init. | Lab File ID | Canister ID | Sample Vol. | Dil. Factor |
|------------------|---------------|---------------|-------------|-------------|-------------|-------------|
| | 01/14/2025 | TP/LA | J0208.D | HD11725 | 50 cc | 5 |

Target Compound Results Summary

| Target Compounds | CAS# | MW | Result ppbv | RL ppbv | Q | Result ug/m3 | RL ug/m3 | Comments |
|---|-----------|-------|-------------|---------|---|--------------|----------|----------|
| Propylene | 115-07-1 | 42.08 | ND | 1.0 | | ND | 1.7 | |
| Freon 12(Dichlorodifluoromethane) | 75-71-8 | 120.9 | ND | 1.0 | | ND | 4.9 | |
| Freon 114(1,2-Dichlorotetrafluoroethan | 76-14-2 | 170.9 | ND | 1.0 | | ND | 7.0 | |
| Chloromethane | 74-87-3 | 50.49 | ND | 1.0 | | ND | 2.1 | |
| n-Butane | 106-97-8 | 58.12 | 2.0 | 1.0 | | 4.7 | 2.4 | |
| Vinyl chloride | 75-01-4 | 62.50 | ND | 1.0 | | ND | 2.6 | |
| 1,3-Butadiene | 106-99-0 | 54.09 | ND | 1.0 | | ND | 2.2 | |
| Bromomethane | 74-83-9 | 94.94 | ND | 1.0 | | ND | 3.9 | |
| Chloroethane | 75-00-3 | 64.51 | ND | 1.0 | | ND | 2.6 | |
| Ethanol | 64-17-5 | 46.07 | 24 | 5.0 | | 45 | 9.4 | |
| Bromoethene(Vinyl bromide) | 593-60-2 | 106.9 | ND | 1.0 | | ND | 4.4 | |
| Freon 11(Trichlorofluoromethane) | 75-69-4 | 137.4 | ND | 1.0 | | ND | 5.6 | |
| Isopropyl alcohol(2-Propanol) | 67-63-0 | 60.09 | 1.3 | 1.0 | | 3.2 | 2.5 | |
| Freon 113(1,1,2-Trichlorotrifluoroethan | 76-13-1 | 187.4 | ND | 1.0 | | ND | 7.7 | |
| Acetone | 67-64-1 | 58.08 | 13 | 1.0 | | 30 | 2.4 | |
| 1,1-Dichloroethene | 75-35-4 | 96.94 | ND | 1.0 | | ND | 4.0 | |
| Acetonitrile | 75-05-8 | 41.05 | ND | 1.0 | | ND | 1.7 | |
| Tertiary butyl alcohol(TBA) | 75-65-0 | 74.12 | ND | 1.0 | | ND | 3.0 | |
| Bromoethane(Ethyl bromide) | 74-96-4 | 109.0 | ND | 1.0 | | ND | 4.5 | |
| 3-Chloropropene(Allyl chloride) | 107-05-1 | 76.52 | ND | 1.0 | | ND | 3.1 | |
| Carbon disulfide | 75-15-0 | 76.14 | ND | 1.0 | | ND | 3.1 | |
| Methylene chloride | 75-09-2 | 84.93 | ND | 1.0 | | ND | 3.5 | |
| Acrylonitrile | 107-13-1 | 53.08 | ND | 1.0 | | ND | 2.2 | |
| Methyl-tert-butyl ether(MTBE) | 1634-04-4 | 88.15 | ND | 1.0 | | ND | 3.6 | |
| trans-1,2-Dichloroethene | 156-60-5 | 96.94 | ND | 1.0 | | ND | 4.0 | |
| n-Hexane | 110-54-3 | 86.18 | ND | 1.0 | | ND | 3.5 | |
| 1,1-Dichloroethane | 75-34-3 | 98.96 | ND | 1.0 | | ND | 4.0 | |
| Vinyl acetate | 108-05-4 | 86.09 | ND | 1.0 | | ND | 3.5 | |
| 2-Butanone(MEK) | 78-93-3 | 72.11 | ND | 1.0 | | ND | 2.9 | |
| cis-1,2-Dichloroethene | 156-59-2 | 96.94 | ND | 1.0 | | ND | 4.0 | |
| Ethyl acetate | 141-78-6 | 88.11 | 29 | 1.0 | | 100 | 3.6 | |
| Chloroform | 67-66-3 | 119.4 | ND | 1.0 | | ND | 4.9 | |
| Tetrahydrofuran | 109-99-9 | 72.11 | ND | 1.0 | | ND | 2.9 | |
| 1,1,1-Trichloroethane | 71-55-6 | 133.4 | ND | 1.0 | | ND | 5.5 | |
| Cyclohexane | 110-82-7 | 84.16 | ND | 1.0 | | ND | 3.4 | |
| 2,2,4-Trimethylpentane(Isooctane) | 540-84-1 | 114.2 | ND | 1.0 | | ND | 4.7 | |
| Carbon tetrachloride | 56-23-5 | 153.8 | ND | 1.0 | | ND | 6.3 | |
| n-Heptane | 142-82-5 | 100.2 | ND | 1.0 | | ND | 4.1 | |
| 1,2-Dichloroethane | 107-06-2 | 98.96 | ND | 1.0 | | ND | 4.0 | |
| Benzene | 71-43-2 | 78.11 | ND | 1.0 | | ND | 3.2 | |
| Trichloroethene | 79-01-6 | 131.4 | ND | 1.0 | | ND | 5.4 | |
| 1,2-Dichloropropane | 78-87-5 | 113.0 | ND | 1.0 | | ND | 4.6 | |
| Methyl Methacrylate | 80-62-6 | 100.1 | ND | 1.0 | | ND | 4.1 | |
| Bromodichloromethane | 75-27-4 | 163.8 | ND | 1.0 | | ND | 6.7 | |
| 1,4-Dioxane | 123-91-1 | 88.11 | ND | 1.0 | | ND | 3.6 | |

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EMSL ORDER ID: 49-016
EMSL CUSTOMER ID: CONE53
EMSL SAMPLE ID: 49016-11
CUSTOMER SAMPLE ID: SS-011

Attention: Shaun McEvoy
 GHD Inc
 2055 Niagara Falls Blvd, Suite 3
 Niagara Falls, NY 14304

Customer PO:
EMSL Project ID:
Project Name: Oliver Gear

Phone: 716-297-6150
Email: Shaun.McEvoy@ghd.com

Collected: 12/19/2024
Received: 12/23/2024 10:59
Analyzed: See Results
Reported: 1/2/2025

| Analysis Initial | Analysis Date | Analyst Init. | Lab File ID | Canister ID | Sample Vol. | Dil. Factor |
|------------------|---------------|---------------|-------------|-------------|-------------|-------------|
| | 01/14/2025 | TP/LA | J0208.D | HD11725 | 50 cc | 5 |

Target Compound Results Summary

| Target Compounds | CAS# | MW | Result ppbv | RL ppbv | Q | Result ug/m3 | RL ug/m3 | Comments |
|--|------------|-------|-------------|-------------|---|--------------|--------------|----------|
| 4-Methyl-2-pentanone(MIBK) | 108-10-1 | 100.2 | ND | 1.0 | | ND | 4.1 | |
| cis-1,3-Dichloropropene | 10061-01-5 | 111.0 | ND | 1.0 | | ND | 4.5 | |
| Toluene | 108-88-3 | 92.14 | 1.5 | 1.0 | | 5.7 | 3.8 | |
| trans-1,3-Dichloropropene | 10061-02-6 | 111.0 | ND | 1.0 | | ND | 4.5 | |
| 1,1,2-Trichloroethane | 79-00-5 | 133.4 | ND | 1.0 | | ND | 5.5 | |
| 2-Hexanone(MBK) | 591-78-6 | 100.2 | ND | 1.0 | | ND | 4.1 | |
| Tetrachloroethene | 127-18-4 | 165.8 | ND | 1.0 | | ND | 6.8 | |
| Dibromochloromethane | 124-48-1 | 208.3 | ND | 1.0 | | ND | 8.5 | |
| 1,2-Dibromoethane | 106-93-4 | 187.9 | ND | 1.0 | | ND | 7.7 | |
| Chlorobenzene | 108-90-7 | 112.6 | ND | 1.0 | | ND | 4.6 | |
| Ethylbenzene | 100-41-4 | 106.2 | ND | 1.0 | | ND | 4.3 | |
| Xylene (p,m) | 1330-20-7 | 106.2 | ND | 2.0 | | ND | 8.7 | |
| Xylene (Ortho) | 95-47-6 | 106.2 | ND | 1.0 | | ND | 4.3 | |
| Styrene | 100-42-5 | 104.1 | ND | 1.0 | | ND | 4.3 | |
| Isopropylbenzene (cumene) | 98-82-8 | 120.2 | ND | 1.0 | | ND | 4.9 | |
| Bromoform | 75-25-2 | 252.7 | ND | 1.0 | | ND | 10 | |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 167.9 | ND | 1.0 | | ND | 6.9 | |
| 4-Ethyltoluene | 622-96-8 | 120.2 | ND | 1.0 | | ND | 4.9 | |
| 1,3,5-Trimethylbenzene | 108-67-8 | 120.2 | ND | 1.0 | | ND | 4.9 | |
| 2-Chlorotoluene | 95-49-8 | 126.6 | ND | 1.0 | | ND | 5.2 | |
| 1,2,4-Trimethylbenzene | 95-63-6 | 120.2 | ND | 1.0 | | ND | 4.9 | |
| 1,3-Dichlorobenzene | 541-73-1 | 147.0 | ND | 1.0 | | ND | 6.0 | |
| 1,4-Dichlorobenzene | 106-46-7 | 147.0 | ND | 1.0 | | ND | 6.0 | |
| Benzyl chloride | 100-44-7 | 126.6 | ND | 1.0 | | ND | 5.2 | |
| 1,2-Dichlorobenzene | 95-50-1 | 147.0 | ND | 1.0 | | ND | 6.0 | |
| 1,2,4-Trichlorobenzene | 120-82-1 | 181.4 | ND | 1.0 | | ND | 7.4 | |
| Hexachloro-1,3-butadiene | 87-68-3 | 260.8 | ND | 1.0 | | ND | 11 | |
| Naphthalene | 91-20-3 | 128.2 | ND | 1.0 | | ND | 5.2 | |
| Total Target Compound Concentrations: | | | 71 | ppbv | | 190 | ug/m3 | |

Surrogate

4-Bromofluorobenzene

Result

9.1

Spike

10

Recovery

91%

Qualifier Definitions**ND = Non Detect**

- B = Compound also found in method blank.
- E= Estimated concentration exceeding upper calibration range.
- D= Result reported from diluted analysis.
- J= Concentration estimated between Reporting Limit and MDL.

Method Reference

USEPA: Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) in Air..." Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS), January 1999, (EPA/625/R-96/010b).

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EMSL ORDER ID: 49-016
EMSL CUSTOMER ID: CONE53
EMSL SAMPLE ID: 49016-12
CUSTOMER SAMPLE ID: IA-012

Attention: Shaun McEvoy
 GHD Inc
 2055 Niagara Falls Blvd, Suite 3
 Niagara Falls, NY 14304

Customer PO:
EMSL Project ID:
Project Name: Oliver Gear

Phone: 716-297-6150
Email: Shaun.McEvoy@ghd.com

Collected: 12/19/2024
Received: 12/23/2024 10:59
Analyzed: See Results
Reported: 1/2/2025

| Analysis Initial | Analysis Date | Analyst Init. | Lab File ID | Canister ID | Sample Vol. | Dil. Factor |
|------------------|---------------|---------------|-------------|-------------|-------------|-------------|
| | 01/14/2025 | TP/LA | J0209.D | HD2272 | 250 cc | 1 |

Target Compound Results Summary

| Target Compounds | CAS# | MW | Result ppbv | RL ppbv | Q | Result ug/m3 | RL ug/m3 | Comments |
|---|-----------|-------|-------------|---------|---|--------------|----------|----------|
| Propylene | 115-07-1 | 42.08 | ND | 0.20 | | ND | 0.34 | |
| Freon 12(Dichlorodifluoromethane) | 75-71-8 | 120.9 | 0.32 | 0.20 | | 1.6 | 1.0 | |
| Freon 114(1,2-Dichlorotetrafluoroethan | 76-14-2 | 170.9 | ND | 0.20 | | ND | 1.4 | |
| Chloromethane | 74-87-3 | 50.49 | 0.67 | 0.20 | | 1.4 | 0.41 | |
| n-Butane | 106-97-8 | 58.12 | 1.1 | 0.20 | | 2.6 | 0.48 | |
| Vinyl chloride | 75-01-4 | 62.50 | ND | 0.20 | | ND | 0.51 | |
| 1,3-Butadiene | 106-99-0 | 54.09 | ND | 0.20 | | ND | 0.44 | |
| Bromomethane | 74-83-9 | 94.94 | ND | 0.20 | | ND | 0.78 | |
| Chloroethane | 75-00-3 | 64.51 | ND | 0.20 | | ND | 0.53 | |
| Ethanol | 64-17-5 | 46.07 | 11 | 1.0 | | 21 | 1.9 | |
| Bromoethene(Vinyl bromide) | 593-60-2 | 106.9 | ND | 0.20 | | ND | 0.87 | |
| Freon 11(Trichlorofluoromethane) | 75-69-4 | 137.4 | ND | 0.20 | | ND | 1.1 | |
| Isopropyl alcohol(2-Propanol) | 67-63-0 | 60.09 | 0.65 | 0.20 | | 1.6 | 0.49 | |
| Freon 113(1,1,2-Trichlorotrifluoroethan | 76-13-1 | 187.4 | ND | 0.20 | | ND | 1.5 | |
| Acetone | 67-64-1 | 58.08 | 2.2 | 0.20 | | 5.2 | 0.48 | |
| 1,1-Dichloroethene | 75-35-4 | 96.94 | 0.35 | 0.20 | | 1.4 | 0.79 | |
| Acetonitrile | 75-05-8 | 41.05 | ND | 0.20 | | ND | 0.34 | |
| Tertiary butyl alcohol(TBA) | 75-65-0 | 74.12 | ND | 0.20 | | ND | 0.61 | |
| Bromoethane(Ethyl bromide) | 74-96-4 | 109.0 | ND | 0.20 | | ND | 0.89 | |
| 3-Chloropropene(Allyl chloride) | 107-05-1 | 76.52 | ND | 0.20 | | ND | 0.63 | |
| Carbon disulfide | 75-15-0 | 76.14 | ND | 0.20 | | ND | 0.62 | |
| Methylene chloride | 75-09-2 | 84.93 | ND | 0.20 | | ND | 0.69 | |
| Acrylonitrile | 107-13-1 | 53.08 | ND | 0.20 | | ND | 0.43 | |
| Methyl-tert-butyl ether(MTBE) | 1634-04-4 | 88.15 | ND | 0.20 | | ND | 0.72 | |
| trans-1,2-Dichloroethene | 156-60-5 | 96.94 | ND | 0.20 | | ND | 0.79 | |
| n-Hexane | 110-54-3 | 86.18 | ND | 0.20 | | ND | 0.70 | |
| 1,1-Dichloroethane | 75-34-3 | 98.96 | ND | 0.20 | | ND | 0.81 | |
| Vinyl acetate | 108-05-4 | 86.09 | ND | 0.20 | | ND | 0.70 | |
| 2-Butanone(MEK) | 78-93-3 | 72.11 | ND | 0.20 | | ND | 0.59 | |
| cis-1,2-Dichloroethene | 156-59-2 | 96.94 | ND | 0.20 | | ND | 0.79 | |
| Ethyl acetate | 141-78-6 | 88.11 | 0.27 | 0.20 | | 1.0 | 0.72 | |
| Chloroform | 67-66-3 | 119.4 | ND | 0.20 | | ND | 1.0 | |
| Tetrahydrofuran | 109-99-9 | 72.11 | ND | 0.20 | | ND | 0.59 | |
| 1,1,1-Trichloroethane | 71-55-6 | 133.4 | 0.95 | 0.20 | | 5.2 | 1.1 | |
| Cyclohexane | 110-82-7 | 84.16 | ND | 0.20 | | ND | 0.69 | |
| 2,2,4-Trimethylpentane(Isooctane) | 540-84-1 | 114.2 | ND | 0.20 | | ND | 0.93 | |
| Carbon tetrachloride | 56-23-5 | 153.8 | ND | 0.20 | | ND | 1.3 | |
| n-Heptane | 142-82-5 | 100.2 | ND | 0.20 | | ND | 0.82 | |
| 1,2-Dichloroethane | 107-06-2 | 98.96 | ND | 0.20 | | ND | 0.81 | |
| Benzene | 71-43-2 | 78.11 | ND | 0.20 | | ND | 0.64 | |
| Trichloroethene | 79-01-6 | 131.4 | ND | 0.20 | | ND | 1.1 | |
| 1,2-Dichloropropane | 78-87-5 | 113.0 | ND | 0.20 | | ND | 0.92 | |
| Methyl Methacrylate | 80-62-6 | 100.1 | ND | 0.20 | | ND | 0.82 | |
| Bromodichloromethane | 75-27-4 | 163.8 | ND | 0.20 | | ND | 1.3 | |
| 1,4-Dioxane | 123-91-1 | 88.11 | ND | 0.20 | | ND | 0.72 | |

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EMSL ORDER ID: 49-016
EMSL CUSTOMER ID: CONE53
EMSL SAMPLE ID: 49016-12
CUSTOMER SAMPLE ID: IA-012

Attention: Shaun McEvoy
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 Niagara Falls, NY 14304

Customer PO:
EMSL Project ID:
Project Name: Oliver Gear

Phone: 716-297-6150
Email: Shaun.McEvoy@ghd.com

Collected: 12/19/2024
Received: 12/23/2024 10:59
Analyzed: See Results
Reported: 1/2/2025

| Analysis Initial | Analysis Date | Analyst Init. | Lab File ID | Canister ID | Sample Vol. | Dil. Factor |
|------------------|---------------|---------------|-------------|-------------|-------------|-------------|
| | 01/14/2025 | TP/LA | J0209.D | HD2272 | 250 cc | 1 |

Target Compound Results Summary

| Target Compounds | CAS# | MW | Result ppbv | RL ppbv | Q | Result ug/m3 | RL ug/m3 | Comments |
|--|------------|-------|-------------|-------------|---|--------------|--------------|----------|
| 4-Methyl-2-pentanone(MIBK) | 108-10-1 | 100.2 | ND | 0.20 | | ND | 0.82 | |
| cis-1,3-Dichloropropene | 10061-01-5 | 111.0 | ND | 0.20 | | ND | 0.91 | |
| Toluene | 108-88-3 | 92.14 | 0.24 | 0.20 | | 0.91 | 0.75 | |
| trans-1,3-Dichloropropene | 10061-02-6 | 111.0 | ND | 0.20 | | ND | 0.91 | |
| 1,1,2-Trichloroethane | 79-00-5 | 133.4 | ND | 0.20 | | ND | 1.1 | |
| 2-Hexanone(MBK) | 591-78-6 | 100.2 | ND | 0.20 | | ND | 0.82 | |
| Tetrachloroethene | 127-18-4 | 165.8 | ND | 0.20 | | ND | 1.4 | |
| Dibromochloromethane | 124-48-1 | 208.3 | ND | 0.20 | | ND | 1.7 | |
| 1,2-Dibromoethane | 106-93-4 | 187.9 | ND | 0.20 | | ND | 1.5 | |
| Chlorobenzene | 108-90-7 | 112.6 | ND | 0.20 | | ND | 0.92 | |
| Ethylbenzene | 100-41-4 | 106.2 | ND | 0.20 | | ND | 0.87 | |
| Xylene (p,m) | 1330-20-7 | 106.2 | ND | 0.40 | | ND | 1.7 | |
| Xylene (Ortho) | 95-47-6 | 106.2 | ND | 0.20 | | ND | 0.87 | |
| Styrene | 100-42-5 | 104.1 | ND | 0.20 | | ND | 0.85 | |
| Isopropylbenzene (cumene) | 98-82-8 | 120.2 | ND | 0.20 | | ND | 1.0 | |
| Bromoform | 75-25-2 | 252.7 | ND | 0.20 | | ND | 2.1 | |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 167.9 | ND | 0.20 | | ND | 1.4 | |
| 4-Ethyltoluene | 622-96-8 | 120.2 | ND | 0.20 | | ND | 1.0 | |
| 1,3,5-Trimethylbenzene | 108-67-8 | 120.2 | ND | 0.20 | | ND | 1.0 | |
| 2-Chlorotoluene | 95-49-8 | 126.6 | ND | 0.20 | | ND | 1.0 | |
| 1,2,4-Trimethylbenzene | 95-63-6 | 120.2 | ND | 0.20 | | ND | 1.0 | |
| 1,3-Dichlorobenzene | 541-73-1 | 147.0 | ND | 0.20 | | ND | 1.2 | |
| 1,4-Dichlorobenzene | 106-46-7 | 147.0 | ND | 0.20 | | ND | 1.2 | |
| Benzyl chloride | 100-44-7 | 126.6 | ND | 0.20 | | ND | 1.0 | |
| 1,2-Dichlorobenzene | 95-50-1 | 147.0 | ND | 0.20 | | ND | 1.2 | |
| 1,2,4-Trichlorobenzene | 120-82-1 | 181.4 | ND | 0.20 | | ND | 1.5 | |
| Hexachloro-1,3-butadiene | 87-68-3 | 260.8 | ND | 0.20 | | ND | 2.1 | |
| Naphthalene | 91-20-3 | 128.2 | ND | 0.20 | | ND | 1.0 | |
| Total Target Compound Concentrations: | | | 18 | ppbv | | 42 | ug/m3 | |

Surrogate

4-Bromofluorobenzene

Result

9.1

Spike

10

Recovery

91%

Qualifier Definitions**ND = Non Detect**

- B = Compound also found in method blank.
- E = Estimated concentration exceeding upper calibration range.
- D = Result reported from diluted analysis.
- J = Concentration estimated between Reporting Limit and MDL.

Method Reference

USEPA: Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) in Air..." Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS), January 1999, (EPA/625/R-96/010b).

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EMSL ORDER ID: 49-016
EMSL CUSTOMER ID: CONE53
EMSL SAMPLE ID: 49016-13
CUSTOMER SAMPLE ID: SS-013

Attention: Shaun McEvoy
 GHD Inc
 2055 Niagara Falls Blvd, Suite 3
 Niagara Falls, NY 14304

Customer PO:
EMSL Project ID:
Project Name: Oliver Gear

Phone: 716-297-6150
Email: Shaun.McEvoy@ghd.com

Collected: 12/19/2024
Received: 12/23/2024 10:59
Analyzed: See Results
Reported: 1/2/2025

| Analysis Initial | Analysis Date | Analyst Init. | Lab File ID | Canister ID | Sample Vol. | Dil. Factor |
|------------------|---------------|---------------|-------------|-------------|-------------|-------------|
| Dilution2 | 01/14/2025 | TP/LA | J0210.D | HD11714 | 50 cc | 5 |
| Dilution3 | 01/14/2025 | TP/LA | J0224.D | HD11714 | 25 cc | 180 |
| | 1/15/2025 | TP/LA | J0256.D | HD11714 | 25 | 2160 |

Target Compound Results Summary

| Target Compounds | CAS# | MW | Result ppbv | RL ppbv | Q | Result ug/m3 | RL ug/m3 | Comments |
|---|-----------|-------|-------------|---------|---|--------------|----------|--------------------|
| Propylene | 115-07-1 | 42.08 | ND | 1.0 | | ND | 1.7 | |
| Freon 12(Dichlorodifluoromethane) | 75-71-8 | 120.9 | 2.8 | 1.0 | | 14 | 4.9 | |
| Freon 114(1,2-Dichlorotetrafluoroethan | 76-14-2 | 170.9 | ND | 1.0 | | ND | 7.0 | |
| Chloromethane | 74-87-3 | 50.49 | 1.4 | 1.0 | | 2.8 | 2.1 | |
| n-Butane | 106-97-8 | 58.12 | 2400 | 36 | D | 5700 | 86 | Reported Dilution2 |
| Vinyl chloride | 75-01-4 | 62.50 | 4700 | 36 | D | 12000 | 92 | Reported Dilution2 |
| 1,3-Butadiene | 106-99-0 | 54.09 | ND | 1.0 | | ND | 2.2 | |
| Bromomethane | 74-83-9 | 94.94 | ND | 1.0 | | ND | 3.9 | |
| Chloroethane | 75-00-3 | 64.51 | 220 | 36 | D | 590 | 95 | Reported Dilution2 |
| Ethanol | 64-17-5 | 46.07 | 20 | 5.0 | | 37 | 9.4 | |
| Bromoethene(Vinyl bromide) | 593-60-2 | 106.9 | ND | 1.0 | | ND | 4.4 | |
| Freon 11(Trichlorofluoromethane) | 75-69-4 | 137.4 | ND | 1.0 | | ND | 5.6 | |
| Isopropyl alcohol(2-Propanol) | 67-63-0 | 60.09 | 1.3 | 1.0 | | 3.2 | 2.5 | |
| Freon 113(1,1,2-Trichlorotrifluoroethan | 76-13-1 | 187.4 | ND | 1.0 | | ND | 7.7 | |
| Acetone | 67-64-1 | 58.08 | 13 | 1.0 | | 32 | 2.4 | |
| 1,1-Dichloroethene | 75-35-4 | 96.94 | 28000 | 430 | D | 110000 | 1700 | Reported Dilution3 |
| Acetonitrile | 75-05-8 | 41.05 | ND | 1.0 | | ND | 1.7 | |
| Tertiary butyl alcohol(TBA) | 75-65-0 | 74.12 | ND | 1.0 | | ND | 3.0 | |
| Bromoethane(Ethyl bromide) | 74-96-4 | 109.0 | ND | 1.0 | | ND | 4.5 | |
| 3-Chloropropene(Allyl chloride) | 107-05-1 | 76.52 | ND | 1.0 | | ND | 3.1 | |
| Carbon disulfide | 75-15-0 | 76.14 | 4.1 | 1.0 | | 13 | 3.1 | |
| Methylene chloride | 75-09-2 | 84.93 | 3.6 | 1.0 | | 13 | 3.5 | |
| Acrylonitrile | 107-13-1 | 53.08 | ND | 1.0 | | ND | 2.2 | |
| Methyl-tert-butyl ether(MTBE) | 1634-04-4 | 88.15 | ND | 1.0 | | ND | 3.6 | |
| trans-1,2-Dichloroethene | 156-60-5 | 96.94 | 10 | 1.0 | | 40 | 4.0 | |
| n-Hexane | 110-54-3 | 86.18 | 51 | 1.0 | | 180 | 3.5 | |
| 1,1-Dichloroethane | 75-34-3 | 98.96 | 15000 | 430 | D | 62000 | 1700 | Reported Dilution3 |
| Vinyl acetate | 108-05-4 | 86.09 | ND | 1.0 | | ND | 3.5 | |
| 2-Butanone(MEK) | 78-93-3 | 72.11 | 1.3 | 1.0 | | 3.8 | 2.9 | |
| cis-1,2-Dichloroethene | 156-59-2 | 96.94 | 1100 | 36 | D | 4200 | 140 | Reported Dilution2 |
| Ethyl acetate | 141-78-6 | 88.11 | 3.7 | 1.0 | | 13 | 3.6 | |
| Chloroform | 67-66-3 | 119.4 | 6.1 | 1.0 | | 30 | 4.9 | |
| Tetrahydrofuran | 109-99-9 | 72.11 | ND | 1.0 | | ND | 2.9 | |
| 1,1,1-Trichloroethane | 71-55-6 | 133.4 | 59000 | 430 | D | 320000 | 2400 | Reported Dilution3 |
| Cyclohexane | 110-82-7 | 84.16 | ND | 1.0 | | ND | 3.4 | |
| 2,2,4-Trimethylpentane(Isooctane) | 540-84-1 | 114.2 | ND | 1.0 | | ND | 4.7 | |
| Carbon tetrachloride | 56-23-5 | 153.8 | ND | 1.0 | | ND | 6.3 | |
| n-Heptane | 142-82-5 | 100.2 | ND | 1.0 | | ND | 4.1 | |
| 1,2-Dichloroethane | 107-06-2 | 98.96 | 23 | 1.0 | | 92 | 4.0 | |
| Benzene | 71-43-2 | 78.11 | 41 | 1.0 | | 130 | 3.2 | |
| Trichloroethene | 79-01-6 | 131.4 | 1900 | 36 | D | 10000 | 190 | Reported Dilution2 |
| 1,2-Dichloropropane | 78-87-5 | 113.0 | ND | 1.0 | | ND | 4.6 | |
| Methyl Methacrylate | 80-62-6 | 100.1 | ND | 1.0 | | ND | 4.1 | |
| Bromodichloromethane | 75-27-4 | 163.8 | ND | 1.0 | | ND | 6.7 | |
| 1,4-Dioxane | 123-91-1 | 88.11 | ND | 1.0 | | ND | 3.6 | |

**EMSL ANALYTICAL, INC.**

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to15lab@EMSL.com | <http://www.EMSL.com>

EMSL ORDER ID: 49-016
EMSL CUSTOMER ID: CONE53
EMSL SAMPLE ID: 49016-13
CUSTOMER SAMPLE ID: SS-013

Attention: Shaun McEvoy
 GHD Inc
 2055 Niagara Falls Blvd, Suite 3
 Niagara Falls, NY 14304

Customer PO:
EMSL Project ID:
Project Name: Oliver Gear

Phone: 716-297-6150
Email: Shaun.McEvoy@ghd.com

Collected: 12/19/2024
Received: 12/23/2024 10:59
Analyzed: See Results
Reported: 1/2/2025

| Analysis | Analysis Date | Analyst Init. | Lab File ID | Canister ID | Sample Vol. | Dil. Factor |
|-----------|---------------|---------------|-------------|-------------|-------------|-------------|
| Initial | 01/14/2025 | TP/LA | J0210.D | HD11714 | 50 cc | 5 |
| Dilution2 | 01/14/2025 | TP/LA | J0224.D | HD11714 | 25 cc | 180 |
| Dilution3 | 1/15/2025 | TP/LA | J0256.D | HD11714 | 25 | 2160 |

Target Compound Results Summary

| Target Compounds | CAS# | MW | Result ppbv | RL ppbv | Q | Result ug/m3 | RL ug/m3 | Comments |
|--|------------|-------|---------------|-------------|---|---------------|--------------|----------|
| 4-Methyl-2-pentanone(MIBK) | 108-10-1 | 100.2 | ND | 1.0 | | ND | 4.1 | |
| cis-1,3-Dichloropropene | 10061-01-5 | 111.0 | ND | 1.0 | | ND | 4.5 | |
| Toluene | 108-88-3 | 92.14 | 14 | 1.0 | | 52 | 3.8 | |
| trans-1,3-Dichloropropene | 10061-02-6 | 111.0 | ND | 1.0 | | ND | 4.5 | |
| 1,1,2-Trichloroethane | 79-00-5 | 133.4 | ND | 1.0 | | ND | 5.5 | |
| 2-Hexanone(MBK) | 591-78-6 | 100.2 | ND | 1.0 | | ND | 4.1 | |
| Tetrachloroethene | 127-18-4 | 165.8 | 2.5 | 1.0 | | 17 | 6.8 | |
| Dibromochloromethane | 124-48-1 | 208.3 | ND | 1.0 | | ND | 8.5 | |
| 1,2-Dibromoethane | 106-93-4 | 187.9 | ND | 1.0 | | ND | 7.7 | |
| Chlorobenzene | 108-90-7 | 112.6 | ND | 1.0 | | ND | 4.6 | |
| Ethylbenzene | 100-41-4 | 106.2 | 1.3 | 1.0 | | 5.5 | 4.3 | |
| Xylene (p,m) | 1330-20-7 | 106.2 | 5.2 | 2.0 | | 23 | 8.7 | |
| Xylene (Ortho) | 95-47-6 | 106.2 | 3.9 | 1.0 | | 17 | 4.3 | |
| Styrene | 100-42-5 | 104.1 | ND | 1.0 | | ND | 4.3 | |
| Isopropylbenzene (cumene) | 98-82-8 | 120.2 | ND | 1.0 | | ND | 4.9 | |
| Bromoform | 75-25-2 | 252.7 | ND | 1.0 | | ND | 10 | |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 167.9 | ND | 1.0 | | ND | 6.9 | |
| 4-Ethyltoluene | 622-96-8 | 120.2 | ND | 1.0 | | ND | 4.9 | |
| 1,3,5-Trimethylbenzene | 108-67-8 | 120.2 | ND | 1.0 | | ND | 4.9 | |
| 2-Chlorotoluene | 95-49-8 | 126.6 | ND | 1.0 | | ND | 5.2 | |
| 1,2,4-Trimethylbenzene | 95-63-6 | 120.2 | ND | 1.0 | | ND | 4.9 | |
| 1,3-Dichlorobenzene | 541-73-1 | 147.0 | ND | 1.0 | | ND | 6.0 | |
| 1,4-Dichlorobenzene | 106-46-7 | 147.0 | ND | 1.0 | | ND | 6.0 | |
| Benzyl chloride | 100-44-7 | 126.6 | ND | 1.0 | | ND | 5.2 | |
| 1,2-Dichlorobenzene | 95-50-1 | 147.0 | ND | 1.0 | | ND | 6.0 | |
| 1,2,4-Trichlorobenzene | 120-82-1 | 181.4 | ND | 1.0 | | ND | 7.4 | |
| Hexachloro-1,3-butadiene | 87-68-3 | 260.8 | ND | 1.0 | | ND | 11 | |
| Naphthalene | 91-20-3 | 128.2 | ND | 1.0 | | ND | 5.2 | |
| Total Target Compound Concentrations: | | | 110000 | ppbv | | 530000 | ug/m3 | |

Surrogate
 4-Bromofluorobenzene

Result 9.7 **Spike** 10 **Recovery** 97%

Qualifier Definitions

ND = Non Detect
 B = Compound also found in method blank.
 E= Estimated concentration exceeding upper calibration range.
 D= Result reported from diluted analysis.
 J= Concentration estimated between Reporting Limit and MDL.

Method Reference

USEPA: Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) in Air..." Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS), January 1999, (EPA/625/R-96/010b).



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

USEPA TO-15

External Chain of Custody/ Field Test Data Sheet

EMSL Order Number (Lab Use Only):

Company/Cust. ID: GHD

Contact Name: Shawn McEvoy

Street Address: 2055 Niagara Falls Blvd

City, State, Zip: Niagara Falls, NY 14304

Phone: 716-205-1975 Fax:

Email Results To: ~~Shawn.McEvoy@emsl.com~~
Kathleen.Galenti@emsl.com

Turnaround Time (in Business Days): 10 Day Standard

5 Day 4 Day 3 Day Other

2 Day Other

Company/Billing ID: GHD

Billing Contact: Kathleen Galenti

Street Address: 285 Delaware Ave.

City, State, Zip: Buffalo, NY 14202

Phone: 716-362-8839 Fax:

Project Name: Oliver Gear

Reporting Format: Results Only (Standard Lab Report)

Pair Deliverables (Surcharge may apply)

Other

Sampled By (Sign):

Sampled By (Name): Shawn McEvoy

Total # of Samples: 30

Date Shipped: 12/23/24

Sample Collection Zip Code: 14213

Purchase Order:

Analysis

Matrix

Field Use - All Information Required!

| Client Field Sample Identification | Sampling Start Information | | Sampling Stop Information | | Canister Information | | Gauge # | | Flow Controller | | | | | |
|------------------------------------|----------------------------|------------|---------------------------|-------------------------|----------------------|--------------------|------------------------|--------------------|-------------------|-------------------|-------------------------|-------------------------|---------|-------------------|
| | Barometric Pres. ("Hg) | Start Date | Time (24 hr clock) | Canister Pressure ("Hg) | Interior Temp. (F) | Time (24 hr clock) | Barometric Pres. ("Hg) | Interior Temp. (F) | Canister Size (L) | Canister Batch ID | Outgoing Pressure ("Hg) | Incoming Pressure ("Hg) | Reg. ID | Cal Flow (ml/min) |
| GA-001 | 30.33 | 12/19/24 | 0915 | -29.5 | 68 | 0915 | 30.0 | 68 | 1.4 | H0778 | 30.0 | 0.0 | 3710 | 0.8 |
| TA-002 | 30.33 | 12/19/24 | 0930 | -28 | 68 | 0930 | 30.0 | 68 | 1.4 | H0778 | 30.0 | -3.0 | 3712 | 0.8 |
| SS-002 | 30.33 | 12/19/24 | 0940 | -30 | 68 | 0940 | 30.0 | 68 | 1.4 | H0778 | 30.0 | -2.0 | 3713 | 0.8 |
| TA-004 | 30.33 | 12/19/24 | 0945 | -30 | 68 | 0945 | 30.0 | 68 | 1.4 | H0778 | 30.0 | -2.0 | 3714 | 0.8 |
| SS-005 | 30.33 | 12/19/24 | 1000 | -28 | 68 | 1000 | 30.0 | 68 | 1.4 | H0778 | 30.0 | -4.0 | 3715 | 0.8 |
| TA-006 | 30.33 | 12/19/24 | 1010 | -30.5 | 68 | 1010 | 30.0 | 68 | 1.4 | H0778 | 30.0 | -2.0 | 3828 | 0.8 |
| SS-007 | 30.33 | 12/19/24 | 1020 | -30 | 68 | 1020 | 30.0 | 68 | 1.4 | H0778 | 30.0 | -3.0 | 4344 | 0.8 |
| TA-008 | 30.33 | 12/19/24 | 1030 | -29 | 68 | 1030 | 30.0 | 68 | 1.4 | H0778 | 30.0 | -3.0 | 5964 | 0.8 |
| SS-009 | 30.33 | 12/19/24 | 1040 | -29 | 68 | 1040 | 30.0 | 68 | 1.4 | H0778 | 30.0 | -4.0 | 5975 | 0.8 |
| TA-010 | 30.33 | 12/19/24 | 1050 | -29 | 35 | 1050 | 30.0 | 35 | 1.4 | H0778 | 30.0 | -3.0 | 5980 | 0.8 |

Comments:

Check Box if Seal Intact

Lab Canister Certification Analyst Signature (TO-15):

| Relinquished by: | Date/ Time | Received by: | Date/ Time | Seal # / Intact | Reason for Exchange (circle appropriate) |
|--------------------|---------------|--------------------|------------------|-----------------|--|
| <i>[Signature]</i> | 12/19/24 1216 | <i>[Signature]</i> | 12/23/24 1500 | 029 | Shipping Courier |
| <i>[Signature]</i> | 12/20/24 1400 | FX | 12/23/24 1500 AM | 030 | Shipping Courier |
| <i>[Signature]</i> | | <i>[Signature]</i> | 12/23/24 1153 | | Shipping Courier |
| | | | | | Shipping Courier |
| | | | | | Shipping Courier |
| | | | | | Shipping Courier |

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077
Ph. (800) 220-3675
Fax (856) 786-0327

49-016

Page 1 of 2

49-016

TO-15 Sample Information

Please fill out this worksheet in addition to the Chain of Custody form. This information helps us to best analyze your samples, achieve requested TAT, and provide you with helpful interpretation information.

Company: GHD

Contact Person:

Name: Shawn McEvoy

E-mail: Shawn.McEvoy@ghd.com

Additional E-mails:

Telephone #: 716-205-1975

Library Search requested: YES NO

A library search (aka Tentatively Identified Compounds) will identify up to 20 of the largest, non-target peaks that are not part of the standard TO-15 list of 74 compounds. If you are performing an Indoor Air Quality or odor investigation, the library search is recommended to provide you with all available information for your sample.

Sample Type:

- Indoor Air Quality (Home/Office)
- IAQ (Industrial)
- Other:

Soil Gas/Sub Slab

Sample Description: _____

PLEASE NOTE: The result forms we provide will not indicate whether your results have exceeded any Exposure Limit criteria established by any regulatory agency. If you would like that information, please check off below which regulatory comparison forms you would like to receive.

- | | | |
|--|-----------------------------|--|
| <input type="checkbox"/> OSHA PELs/NIOSH RELs | <i>combined form</i> | <input type="checkbox"/> Potential Sources of Compounds found in your IAQ sample |
| <input type="checkbox"/> EPA RSLs - 11/2022; default is THQ D.1 | Residential Industrial | <input type="checkbox"/> TVOC (Library Search Required for this format) |
| <input type="checkbox"/> EPA VISLs - 3/2012 | IA/SG | <input type="checkbox"/> NH DES_WMD - 2/2013 Indoor Air Soil Gas |
| <input type="checkbox"/> NJ DEP - 5/2021 - Circle one: | VI-Indoor AQ VI-Soil Gas | <input type="checkbox"/> Ohio - 5/2016 - Circle one: Residential Commercial |
| <input type="checkbox"/> NC DENR - 2/2018 - Circle one: | Residential Non-residential | <input type="checkbox"/> Indiana Dept Env Mgmt Screening Levels - 3/2018 |
| <input type="checkbox"/> PA DEP - 11/2016 | Indoor Air | <input type="checkbox"/> Vermont DEC IROCP - 7/2017 (soil gas only) |
| <input type="checkbox"/> PA DEP - 11/2016: Sub Slab Soil Gas OR Near Source Soil Gas | | <input type="checkbox"/> California OEHHA - 2/2012 |
| <input type="checkbox"/> CA HHSL - 9/2010 - Circle one: | Indoor Air Soil Gas | <input type="checkbox"/> Other; these are the compounds I want reported: |

Please note: There is an additional charge for any of the tests below. USEPA TO-3 AND ASTM 5504 analyses can be performed from your canister at the Cinnaminson NJ Laboratory.

***Very Important Information for Clients!** Hold time for sulfur gases is 1 day from collection. Please schedule your sample collection so samples are received in the lab prior to noon on Friday. Analysis performed out of hold time will have a notation in the report.

US EPA TO-3 via GC/FID:

- C₁-C₆ hydrocarbons
- Methane only

ASTM-D5504 via GC/SCD: *

- Sulfur Scan (H₂S, COS, MeSH, EtSH, DMS)
- H₂S only

We can provide the following CMS tests from your canisters at the Cinnaminson and Huntington Beach laboratories. Please note these tests are to be used for IAQ/Screening purposes ONLY. EMSL recommends alternate field sampling techniques for these parameters (with the exception of water vapor); please contact your sales rep for the proper media. Please note: There is an additional charge for any of the tests below.

Draeger Analyzer:

- CO CO₂ NH₃ O₂ Water Vapor

Sample Retention Policy: All canisters are guaranteed to be retained for one day after results are reported. Please review your results promptly to ensure your project scope is fully addressed. Cans may be retained for a longer period of time, but arrangements to hold your cans must be made through your customer account representative quickly. Thank you.