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January 19, 2026

Mr. Donald Roe
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

Re: Sub Slab Depressurization System (SSDS) Installation Completion Report
NYSDEC Site 828120
Carriage Cleaners - Brighton
2101 Monroe Avenue
Brighton, New York

Dear Mr. Roe:

Groundwater & Environmental Services, Inc. (GES) has prepared this *Sub Slab Depressurization System (SSDS) Installation Completion Report* under contract to the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) for remedial efforts at the subject site #818120 addressed at 2101 Monroe Avenue in Brighton, New York, also known as Carriage Cleaners. The work documented herein was completed per the *SSDS Installation Work Plan* dated December 12, 2023, which was prepared in response to the Remedial System Optimization Installation Performance Criteria prepared by the engineer, WSP Environment & Infrastructure [working as Earth Environment Engineering and Geology, P.C. (EEEG) in New York State], and subsequent discussions with EEEG and the NYSDEC.

This *SSDS Installation Completion Report* details the activities performed to remove the former soil vapor extraction (SVE)/groundwater extraction (GWE) system at the site and the conversion of the remaining system components and new system equipment to an SSDS system on behalf of the NYSDEC. The scope of work detailed herein is a part of the ongoing remediation work at the Carriage Cleaners site. Drawings of the installed sub slab depressurization points and test points are included as **Figure 1**.

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Acronyms

Abscope	Abscope Environmental, Inc.
ACM	Asbestos Containing Material
AS	Air Sparge
ASTM	American Society for Testing and Materials
bgs	below ground surface
CLSM	Controlled Low Strength Material
CP	Commissioner Policy
CVOC	Chlorinated Volatile Organic Compound
DER	Department of Environmental Remediation
DGA	Dense Graded Aggregate
DOT	Department of Transportation
EEEG	WSP Environment & Infrastructure (working as Earth Environment Engineering and Geology, P.C. in New York State)
EW	Extraction Well
F	Fahrenheit
FAP	Field Action Plan
GES	Groundwater & Environmental Services, Inc.
GWE	Groundwater Extraction
Matrix	Matrix Environmental Technologies, Inc.
NSF	National Sanitation Foundation
NYEIA	New York Electrical Inspection Agency
NYSDEC	New York State Department of Environmental Conservation
NYSDOT	New York State Department of Transportation
NYS-ICR 56	Part 56 of Title 12 New York State Codes, Rules and Regulations
O&M	Operations and Maintenance
PCE	Tetrachloroethylene
ppb	parts per billion
ppbRAE	RAE Systems© ppb RAE 2000 photoionization detector
PVC	Polyvinyl Chloride
P&ID	Process & instrumentation diagram
SS	Sub-Slab Extraction Point
SSDS	Sub Slab Depressurization System
SSI	Specialty Systems Integrators, Inc.
SVE	Soil Vapor Extraction
TMP	Test Monitoring Point
Trec	Trec Environmental, Inc.
UPC	Universal Product Code
VE	Vapor Extraction
VOC	Volatile Organic Compound
”	Inch
” wc	Inches of water column

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1 General Project Requirements

1.1 Permits

GES and its subcontractors obtained all necessary permits, insurance, and licenses required to complete all work, and paid all fees necessary to obtain these permits. All Permits can be found in **Appendix A**. The following permits were acquired during the duration of the work:

- Sewer Closure Permit, Town of Brighton
- Confined Space Entry Permit, GES

1.2 Daily Reporting and Photographs

Daily reports have been prepared by GES and describe the following:

- Name, address, and telephone number of contractor (GES and subcontractors);
- Date;
- Names of employees;
- Minutes of safety meeting;
- Time of arrival at and time of departure from the site of all staff;
- If work is being conducted outside the building, the reports will include weather conditions during the morning and the afternoon, including temperature, wind direction and approximate speed;
- Cloud cover;
- The activities performed each day;
- Equipment used;
- Materials expended;
- Samples taken and disposition;
- Description of materials, equipment or wastes disposal and disposal firm name, address and telephone number;
- Photographs taken with a description;
- List of site visitors and their company affiliation; and
- Signature, title and printed name of site supervisor.

Daily reports can be found in **Appendix B**.

1.3 Materials for SSDS Conversion:

- SSDS system equipment in a weather-proof enclosure as provided by Specialty Systems Integrators, Inc. (SSI). General equipment details from the SSI quote are included in

Appendix C.

- Hammer drill with 3/8 inch(”), ½”, 1 ½” or similar concrete bits for monitoring points.
- A 3.5” diameter carbide tipped bit for larger extraction holes.
- Pipe – 3” Schedule 40 polyvinyl chloride (PVC), color - white, service temperature 33-140 degrees Fahrenheit (F), American Society for Testing and Materials (ASTM) D-1784 – Type 1, and National Sanitation Foundation (NSF) listed.
- Fittings (tees, elbows, couplings, end caps – Schedule 40 PVC, white or gray, ASTM D-1784 – Type 1, and NSF listed.
- Flexible Couplers or Connectors, Service temperature to 140 degrees F., and Universal Product Code (UPC) Approved.
- Pipe Supports and Stand-offs.
- Construction sealant or patch cement.
- Vapor Pins®.
- Reciprocating saw
- Digital micromanometer.
- Cements and Sealants – odorless, nontoxic, non-flammable, environmentally safe
- Schedule 80 PVC piping (for piping on exterior of the building)
- Schedule 80 PVC ball valves
- Vacuum gauges

2 ACM Abatement for SSDS Conversion

Asbestos containing material (ACM) was found to be present in flooring tiles and mastic in the majority of the building as reported in the *SSDS Pilot Test Summary* prepared by GES and dated February 18, 2023. Although the flooring has been replaced in much of the building, it is assumed the mastic from the old flooring has not been removed. As such, it had been determined that the proposed sub slab extraction points (SS) SS-3, SS-4, and SS-5, as well as proposed test monitoring points (TMP) TMP-11, TMP-12, and TMP-13 are located in areas that were expected to be positive for ACM. It should be noted that proposed extraction point SS-2 was installed in the boiler room, where the flooring is exposed concrete and has no ACM. It should also be noted that ACM was not found to be in any of the ceiling tile tested in the building.

As reported in the SSDS Installation Work Plan submitted December 12, 2023, GES oversaw abatement activities conducted by Abscope Environmental, Inc. (Abscope), a licensed asbestos abatement subcontractor, with work completed on October 25, 2023. During the abatement activities, it was found that bare concrete was under the carpet at the TMP-12 location and thus would not require abatement. The locations at SS-3, SS-4, SS-5, TMP-11 and TMP-13 were abated as per Part 56 of Title 12 New York State Codes, Rules and Regulations (NYS-ICR 56) using wet methods and barriers. Disposal of ACM waste was through High Acres Landfill of Fairport, New York, a permitted facility in compliance with federal, state, and local regulations. Refer to **Figure 1** for the location of the referenced points where abatement activities occurred. The Limited Asbestos Survey Report and disposal documentation are included as **Appendix D**.

3 Installation of Sub Slab Depressurization and Test Monitoring Points

As mentioned in the section above, much of the flooring has been replaced at the property. Despite the new flooring, GES found several slab deficiencies such as cracks and inter-slab transitions. Repairs were made and are further explained in detail in Sections 6.1.4, 6.1.5, and 6.2.1.

- The final extraction points and test monitoring points were placed in a manner to reduce business interference and to minimize visible damage to flooring materials (such as closets, corners, under door thresholds, etc.).

On November 14 & 16, 2023, GES installed 4" diameter sub-slab extraction vacuum holes for SS-2 through SS-5. At least 1 cubic foot of sub-slab material was removed with a shop vac, so there is a void space under the slab for the suction point. A 3" diameter PVC pipe was inserted through the slab with the end of the pipe targeting approximately one inch below the slab. A coupling was added at the level of the flooring, to decrease the amount of sealant needed to prevent airflow from the sub slab from entering the building from around the pipe. The seal was made between the slab and the pipe coupling with plumber's putty which was topped with silicone. GES also began the installation of the interior above-grade piping associated with the new extraction points.

TMPs (TMP-11 through TMP-13) were also installed in the locations indicated on **Figure 1**. Vapor Pins® with flush mount caps were installed at each monitoring point to allow them to be used during system installation, operations and maintenance site visits, modification testing, and for possible analytical testing. The approximate thickness of the slab is 4-8".

4 Removal of Existing SVE/AS System and Other Legacy SVE/AS System Features

On February 13 to 16, 2024, GES subcontractor Trec Environmental, Inc. (Trec) loaded the existing soil vapor extraction/air sparge system onto a flatbed truck for transport to the Fort Edward Landfill in Fort Edward, New York at the direction of the NYSDEC. The fence surrounding the system enclosure, hoods, and piping were removed prior to loading and transport to avoid wide load or excessive height restrictions during transport. The system was left at the new location without reassembly of removed parts or hooking up at the new location. Additionally, the pump and transducer were removed from extraction well EW-1 by Trec's confined space trained personnel. All work was completed under a confined space entry permit, which included developing an entry plan. Confined space entry permits are found in **Appendix A**.

Upon system removal, the 3" sewer line that the system discharged water to was capped using a Schedule 40 PVC cap and PVC primer and glue. The capping was observed and approved by a Town of Brighton representative. The hole was then backfilled with cement. Town of Brighton Sewer Permit for closure of the sanitary sewer connection can be found as **Attachment A**.

During this time, GES also finished the installation of the interior above-grade piping, construction of the exterior manifold, and connection of the new system to the extraction lines. The installation is further discussed in Section 5.

On February 23, 2024, GES disconnected and sealed vapor extraction (VE) borings: VE-3, VE-4, VE-5. VE-6, and VE-8.

On March 18, 2024, GES removed and capped TMP-7.

On March 18, 2025, GES decommissioned vapor extraction wells: VE-1, VE-2, VE-3, VE-4, VE-5, and VE-6. The wells were abandoned following NYSDEC Commissioner Policy (CP) 43: Groundwater Monitoring Well Decommissioning Policy. The decommissioning records are found in **Appendix E**. The decommissioning is further discussed in Section 7.2.

On May 27, 2025, GES decommissioned extraction well EW-1. The well was abandoned following NYSDEC CP-43. The decommissioning records are found in **Appendix E**. The decommissioning is further discussed in Section 7.1.

On October 23 to 24, 2025, GES decommissioned Vapor Point wells: VP-1, VP-2, VP-3, VP-4, VP-5, VP-7, VP-8, and VP-9. The well was abandoned following NYSDEC CP-43. The decommissioning records are found in **Appendix E**. The decommissioning is further discussed in Section 7.5.

On October 23 to 24, 2025, GES removed and capped TMP-4, TMP-5, TMP-9, TMP-10, TMP-11, TMP-12, and TMP-13. The decommissioning is further discussed in Section 7.6.

5 Installation of Sub Slab Depressurization System

The new SSDS was delivered to the site on December 20, 2023; however, the system was not installed until February 2024 due to GES's Investigation and Remediation contract renewal with the NYSDEC being delayed until late January 2024.

Following the installation of the sub-slab extraction points, they were connected to vertical PVC riser to the ceiling, then ran horizontally above the drop ceiling tiles to the existing pipe penetration location on the western side of the building. The new SSDS extraction point conveyance piping was connected to existing piping along the ceiling from the previous SVE system where possible. No new pipe penetrations were needed through the building wall. The system process and instrumentation diagram (P&ID) is included as **Figure 2**.

5.1 Above and Below Grade Installation

- All piping and fittings were installed per the manufacturer's recommended instructions.
- All holes for carrier piping through the exterior walls used piping that has already been installed through the walls as part of the former system.
- All interior vertical piping above the floor grade and before exiting through the block wall were constructed with schedule 40 PVC piping and or fittings.
- All joints and connections for the sub slab depressurization unit(s) using plastic vent

pipes were permanently sealed with adhesives as specified by the manufacturer of the pipe material used. Joints or connections in other vent pipe materials were made air tight.

- Vertical and horizontal conveyance piping was fastened to the structure of the building with pipe hangers, or other supports that adequately secured the vent piping to beams and/or trusses according to the manufacturer's installation instructions. Existing plumbing pipes, ducts, or mechanical equipment was not used to support or secure any vent pipe.
- Supports for vent pipes were installed at least every six feet on above grade horizontal runs or as recommended by the manufacturer. Vertical runs were secured either above and/or below the points of penetration through floors, ceilings, and roofs, or at least every eight feet on runs that do not penetrate floors, ceilings, or roofs as recommended by the manufacturer.
- Conveyance piping was installed in a configuration that ensures that any rainwater or condensation within the pipes drains downward into the ground beneath.
- Conveyance piping was installed so that there was no restriction to any areas requiring maintenance and inspection or general ingress and egress from each installation location. Piping was also installed so that there was no interference with any light, opening, door, window or equipment access area required by code.
- The conveyance piping and pickup points are sized to maximize the efficiency of pickup of vapor below the slab and velocity of flow throughout the entire system or per the manufacturer installation instructions.
- Cleaning solvents and adhesives used to join plastic pipes and fittings were used as recommended by manufacturers for use with the type of pipe material used with the assembly of the SSDS.
- The exterior exhaust vent extends approximately one foot above the roof of the system enclosure and is equipped with a rain cap.

5.2 Vent Piping – Ancillary Equipment Installation

Where PVC piping transitions to hose on the exterior of the building, GES removed the hose that transitioned to the piping on the exterior of the building and built a manifold with schedule 80 PVC piping that connected to the schedule 40 piping exiting the building. Schedule 80 PVC ball valves and vacuum gauges were installed on each of the SSDS manifold legs. A total of five manifold legs were built to connect to the sub slab extraction point piping. The manifold combines into a single header which is connected to the SSDS equipment container.

SSI built a fully integrated SSDS inside an enclosure, which was delivered to the site in December 2023 in preparation for converting over to the SSDS system, and placed along the building wall adjacent to the manifold with a forklift. The manifold was connected to the SSDS enclosure influent pipe. Additionally, the effluent pipe from the SSDS system enclosure was extended with

Schedule 80 PVC pipe up along the building wall to a termination point approximately one foot above the roof of the system enclosure in compliance with the following details:

- To prevent re-entrainment of vapors, the point of discharge of the SSDS is approximately 7 feet above ground level.
- Cleaning solvents and adhesives used to join plastic pipes and fittings were used as recommended by manufacturers for use with the type of pipe material used with the assembly of the SSDS.
- The exterior exhaust vent is equipped with a rain cap.

The control panel for the SSDS was connected to the electrical service supply for the former SVE/Air Sparge (AS) system.

- All electrical work was completed by a licensed electrician from Landmark Electric, Inc.
- Wiring for the SSDS unit(s) and other ancillary equipment conformed to provisions of the National Electrical Code and New York State and local regulations or permits.
- An electrical disconnect switch or circuit breaker was installed for the blower to permit deactivation of the blower for maintenance or repair by the building owner or servicing subcontractor.
- The electrical system was installed to isolate the system without interruption to other utilities or operations on the property.
- Upon completion of the commercial property installation, an independent 3rd party inspection was performed by the New York Electrical Inspection Agency (NYEIA) to document the acceptance of the new electrical installation. The certification can be found as **Appendix F**.
- After installation and startup, the integrity of all mounting seal(s) and all joints in the interior vent piping were re-examined and verified.
- After installation and startup, suctions or flows in system piping or ducting were measured to ensure that the system is operating as designed.

System labeling has been installed on the exterior of the system enclosure. The placard includes an emergency contact number for GES in the event that a system shutdown occurs. Alternative labeling may be required if at any point GES is no longer involved in system maintenance and operations.

5.3 System Enclosure Security and Protection

On February 15, 2024, chain-link fencing was installed around the system enclosure and manifold. The fencing was secured to the ground using Tapcon screws. The no-dig installation method was utilized due to the presence of underground utilities, namely natural gas.

On May 23, 2024, under the direction of the NYSDEC, additional protection of the system was installed. Three (3) concrete Jersey barrier blocks, each measuring 3’ x 2’ x 2’, were installed on

the northeast side of the system fence to prevent damage to the enclosure from parking lot traffic. The barriers were sourced from the nearby NYSDEC Dinaberg Site (Site No.: 828103) and were transported and placed by Trec under GES oversight.

6 Commissioning of the SSDS

6.1 SSDS Startup and Testing

On start-up of the SSDS, critical safety devices within the system were tested to ensure they are functioning properly, including a moisture separator high-high level shutoff switch, a vacuum relief valve, and the emergency stop button. These critical safety devices are tested quarterly. If any of these devices fail testing, the system will not be allowed to operate unsupervised until the device functionality is restored.

6.1.1 February 13, 2024

Extraction piping connected to VE-4 was rerouted to be connected to SS-1. VE-4 was capped and temporarily sealed with silicone until it can be properly decommissioned. See Section 7.2 for VE well decommissioning activities.

6.1.2 February 16, 2024

After all piping and electrical connections were completed for the new SSDS system (utilizing extraction points SS-1 through SS-5), the system was started and a pressure field extension test performed. After startup, the system operated for a minimum of 4 hours. After this period, the test monitoring points (TMP-1 through TMP-13 and VP-3 through VP-7 and VP-9) were measured using a micromanometer to test the vacuum achieved at each location. A minimum of one Pascal [0.004 inches of water column (" wc)] is considered the adequate minimum vacuum required at these vapor monitoring points.

The initial test was performed on February 16, 2024. Monitoring points TMP-1, 5, 7, 9, 11, and 12 were found not to have achieved the minimum induced vacuum requirement. Results of these tests can be found as **Appendix G**.

6.1.3 March 18 and 19, 2024

A round of pressure field extension testing was performed after connecting the additional sub slab extraction point, SS-5, to the system. All points except for TMP-12 passed the minimum vacuum requirement. Further testing was performed by isolating each line and gathering readings from all points until readings stabilized. This information was provided to EEEG to explore the most efficient manifold settings to obtain the required vacuum. Results of these tests can be found as **Appendix G**.

6.1.4 April 26, 2024

No testing was performed on this day. The cracks along the edge of the triangular room where SS-4 is located were cleaned, filled with backer rod, and topped with silicone caulk to address concerns of slab leakage. Refer to Daily Inspection Report #020 found in **Appendix B** for photographs and figure markup.

6.1.5 May 3, 2024

During this round of pressure field extension testing, all monitoring points passed the minimum vacuum requirements when tested upon arrival. A small leak was identified at SS-4 where the silicone from the repair on April 26, 2024, did not seal properly between the wall and the utility pipes. Great Stuff spray foam was applied in the area of the leak and plumbers' putty was used for a temporary seal while SS-4 was targeted by closing all other extraction point valves and running only SS-4 at approximately 33% open. The testing resulted in high flow at SS-4 that indicates there is short circuiting occurring between the subsurface and surface. Results of these tests can be found as **Appendix G**. Sikaflex was applied to the area suspected source of the short circuiting. SS-4 was closed to allow for the Sikaflex to cure over the weekend. The remaining SS legs were opened.

6.1.6 May 6, 2024

During this round of pressure field extension testing, all points passed the minimum vacuum requirements when tested upon arrival. The purpose of this visit was to target SS-4 by closing all other extraction point valves and running only SS-4 at 100% open and then 50% open to see if the seal applied to the crack adjacent to SS-4 fixed the short circuiting issues.

At the end of the day, all extraction point manifold legs were set to open except for SS-4, which was set to 50% open. The system ran for over 1 hour prior to collecting another round of readings from the monitoring points. All points passed the minimum vacuum requirements. Test point TMP-9 exhibited the minimum induced vacuum reading of -0.004" wc. Results of these tests can be found as **Appendix G**.

6.1.7 May 8, 2024

A final round of pressure field extension testing was performed. During this round of pressure field extension testing, all extraction point manifold legs were set to open except for SS-4, which was set to 50% open. All points passed the minimum vacuum requirements. Test point TMP-9 was exhibited the minimum induced vacuum reading of the lowest with -0.004" wc.

Next, all extraction point manifold legs were set to 100% open. All points passed the minimum induced vacuum threshold. This round of testing is considered the "Baseline". Test point TMP-9 exhibited the lowest induced vacuum of all monitoring points: -0.004" wc. Results of these tests can be found as **Appendix G**.

6.1.8 June 6, 2024

A round of confirmatory pressure field extension testing was performed prior to indoor/outdoor air sampling to check that the system was functioning properly. All points exhibited more than the minimum induced vacuum requirement, with test point TMP-9 exhibiting the lowest induced vacuum value of -0.005" wc. Results of these tests can be found as **Appendix G**. The results of the indoor/outdoor air sampling are described in Section 6.2.1.

6.2 Indoor and Outdoor Air Sampling

6.2.1 1st Post Conversion Sampling Results Letter

On June 6, 2024, GES conducted indoor and outdoor air sampling and collected the following samples:

- One indoor air sample near VP-4, relatively central in the building (Sample ID: Indoor).
    - A field duplicate sample was also collected at this location.
- One outdoor ambient air sample (Sample ID: Outdoor).
- One grab sample from the system exhaust (Sample ID: Exhaust Grab).

All samples were collected using a certified 6-Liter stainless steel Summa canister and sent for TO-15 analysis. All samples were collected with an eight-hour regulator, except for the grab sample which was collected using a grab regulator. The sample locations with respect to the site layout are illustrated on **Figure 1** of **Appendix H**.

The results of the sampling event returned detections of various chlorinated volatile organic compounds (CVOCs) including tetrachloroethylene (PCE). The detections were theorized to have come from the PCE drums in the back utility room at the east of the building. It was also considered that there could be possible failures in the seal in the triangular room located at the western side of the building behind the service desk area.

On July 31, 2024, the seal that GES applied in April and May in the triangular room where SS-4 is located was removed and reapplied. The seal was removed by removing old caulking around the perimeter of the room and using a brush and vacuum to remove any leftover debris. The area was then cleaned with Zep Driveway and Concrete Cleaner and Degreaser. After the area was cleaned, Great Stuff spray foam was sprayed into the cracks and allowed to cure for 60 minutes. Excess foam was cut away and removed. Self-leveling Quikrete polyurethane sealant was applied on top of the foam and allowed to cure for 2 hours. After curing, Sikaflex self-leveling sealant was applied as a second layer of sealant. Refer to Daily Inspection Report #026 found in **Appendix B** for photographs and figure markup. Product specification sheets can be found in **Appendix I.**

On August 7, 2024, the seal was screened using a RAE Systems© ppb RAE 2000 photoionization detector (ppbRAE) with an 11.7 electron-Volt lamp. There were no detections of volatile organic compounds (VOCs) in the airspace at breathing level and about one foot above the floor; however, four of the five screening locations had detections from 168 to 600 parts per billion (ppb) at approximately 0.5-inch above the sealant.

On November 15, 2024, GES coordinated and conducted indoor air screening of PCE using Gastec glass tube samplers and a GSP-501FT Gastec Automatic Sampling Pump. The PCE screening was conducted twice at each indoor air detector tube sampling location. The indoor air PCE screening indicated that there were no current detections of PCE in the building or related to the floor sealant. The full Post Conversion Sampling Results Letter can be found as **Appendix H**.

6.2.2 2nd Post Conversion Sampling Results Letter

On January 14, 2025, GES conducted another round of indoor and outdoor air sampling and collected the following samples:

- One indoor air sample near VP-4, relatively central in the building (IA-1).
    - A field duplicate sample was also collected at this location.
- One indoor air sample in the front utility room behind the service desk area (IA-2).
- One indoor air sample in the back utility room (IA-3).
- One outdoor ambient air sample (Outdoor).
- One grab sample from the system exhaust (Exhaust Grab).

All samples were collected using a certified 6-Liter stainless steel Summa canister and sent for TO-15 analysis. All samples were collected with an eight-hour regulator, except for the grab sample which was collected using a grab regulator. The sample locations with respect to the site layout are illustrated on **Figure 1** of **Appendix H**.

The results of the sampling event showed significantly reduced detections of all CVOCs. The drums in the back utility room were present during the sampling. The drums were removed on August 22, 2025. GES and EEEG conclude that another round of indoor air sampling is not recommended as part of the commissioning. The full Post Conversion Sampling Results Letter can be found as **Appendix H**.

7 Post-Commissioning Activities

7.1 EW-1 Decommissioning and Restoration

On May 27, 2025, EW-1 was decommissioned by GES subcontractor Matrix Environmental Technologies, Inc. (Matrix). The well lid was removed and collected by Matrix for recycling; however, no individual recycling record is available because they process all accumulated scrap in a single bulk recycling event once per year. EW-1 was decommissioned by following procedures outlined in NYSDEC CP-43 and the March 21, 2025 *EW-1 Abandonment Field Action Plan* (FAP) provided by EEEG. The well was grouted in place via tremie grouting using the special grout mixture specified in NYSDEC Section 6.2 “Special Mixture”. The water that was displaced by the grout was removed from the vault and placed into two (2) Department of Transportation (DOT) approved steel 55-Gallon open top drums. After the well was grouted into place, the concrete well vault was removed using a jackhammer to 20” below ground surface (bgs), this change from the originally specified 24” bgs was approved by EEEG via email on May 27, 2025, change approvals can be found in **Appendix J**. The removed concrete was broken into smaller pieces and placed back into the well vault. The remaining void space in the vault was filled with flowable fill that met the New York State Department of Transportation (NYSDOT) definition of Controlled Low Strength Material (CLSM). The flowable fill was overfilled into the vault and settled at 12” bgs, this change from the originally specified level with top of vault (20” bgs) was approved by EEEG via email on May 27, 2025, change approvals can be found in **Appendix J**.

On May 29, 2025, after the flowable fill was left to cure for over 24 hours, 6” of dense graded aggregate (DGA) was placed and compacted using a plate tamper. Due to the extra flowable fill

being placed, the change from the originally specified 18” of DGA was approved by EEEG via email on May 27, 2025. On top of the DGA, 6” of bagged topsoil was placed. The bagged topsoil was approved by EEEG via email on May 27, 2025. Change approvals can be found in **Appendix J**. Grass seed and hay was placed on top of the topsoil to allow for moisture retention and protection against erosion. The decommissioning records are found in **Appendix E** and all approved materials details are provided in **Appendix I**.

On August 22, 2025, the wastewater drums were transported and disposed of by Sun Environmental. One drum was found to have a pinhole leak that opened when the drum was disturbed. This drum was placed inside of an overpack drum. A copy of the waste profile and disposal manifest can be found in **Appendix K**.

On October 3, 2025, the grass growth was inspected and found to be fully grown and not in need of any further action.

7.2 VE Well Decommissioning

On March 18, 2025, the following VE wells were decommissioned: VE-1, VE-2, VE-3, VE-4, VE-5, and VE-6. The wells were approved for decommissioning following the indoor and outdoor air sampling results from Section 6.1.2. The wells were decommissioned following NYSDEC CP-43. The well casings were cut to at least 1 foot bgs, filled with bentonite chips to 1 foot bgs, chips hydrated, gravel placed from 0.5 to 1 foot bgs, and concrete placed from 0.5 feet bgs to surface. The entire well casing was removed for wells VE-2 and VE-3. Well VE-1 was located on the exterior of the building and was surface finished with topsoil instead of concrete. The decommissioning records are found in **Appendix E**.

7.3 Manometer Install

On May 21, 2025, a u-tube manometer was installed on SS-4 in order to allow for the visual verification that the system is operating and inducing vacuum.

7.4 Blower Starter and Timer Bypass

On July 31, 2025, the blower starter was connected to the telemetry input to track notifications regarding the blower function and in the event the blower shuts off for any reason. Additionally, the timer that was not in use was bypassed to ensure that the system is running full time, and that the system can restart itself in the event the blower shuts down when power is temporarily disabled, such as a during a power outage.

7.5 VP Well Decommissioning

On October 23 to 24, 2025, the following VP wells were decommissioned: VP-1, VP-2, VP-3, VP-4, VP-5, VP-7, VP-8, and VP-9. The wells were decommissioned following NYSDEC CP-43. The casing was filled with bentonite chips to 1 foot bgs, chips hydrated, gravel placed from 0.5 to 1 foot bgs, and concrete placed from 0.5 feet bgs to surface. The entire well casing was removed for wells: VP-1, VP-2, VP-5, and VP-7. The remaining wells were unable to be cut or pulled. Wells

VP-1 and VP-2 were located on the exterior of the building and in vegetation, as such they were surface finished with topsoil instead of concrete. The decommissioning records are found in **Appendix E**. Note that VP-9 was installed similar to the vapor points and was decommissioned using the same methodology in Section 7.6; therefore, VP-9 does not have a decommissioning record.

7.6 TMP Decommissioning

On October 23 to 24, 2025, the following TMPs were removed: TMP-4, TMP-5, TMP-9, TMP-10, TMP-11, TMP-12, and TMP-13. The Vapor Pins® were removed using the Vapor Pin® installation/extraction tool provided by the manufacturer. The bottom of the hole in the slab was sealed using Plumbers' Putty. The hole was then filled with concrete and made flush with the surface of the floor.

8 Installation Drawings and Equipment Warranties

All final documentation of the integrated SSDS system as provided by SSI including a P&ID, electrical schematics, and equipment cut sheets can be found as **Appendix L**. Additionally, a red-line mark-up of the existing site plan that shows the locations of the extraction points (SS-1 through SS-5), test monitoring points, and the layout of piping runs within the building can be found as **Figure 1**. All individual equipment warranty information and operating and maintenance instructions provided by the equipment manufacturer, SSI can also be found as **Appendix L**.

Individual daily reports of the work performed can be found as **Appendix B**. These include names of the staff that performed the work, work performed, equipment used, and issues encountered during the installation.

9 Upcoming Work

GES is scheduled to perform quarterly Operations and Maintenance (O&M) activities for the SSDS at the stie. This work has already been scheduled and will take place throughout the remainder of 2025.

If you have any questions, please contact Nicole Lindner at (800) 287-7857 (ext. 4342).

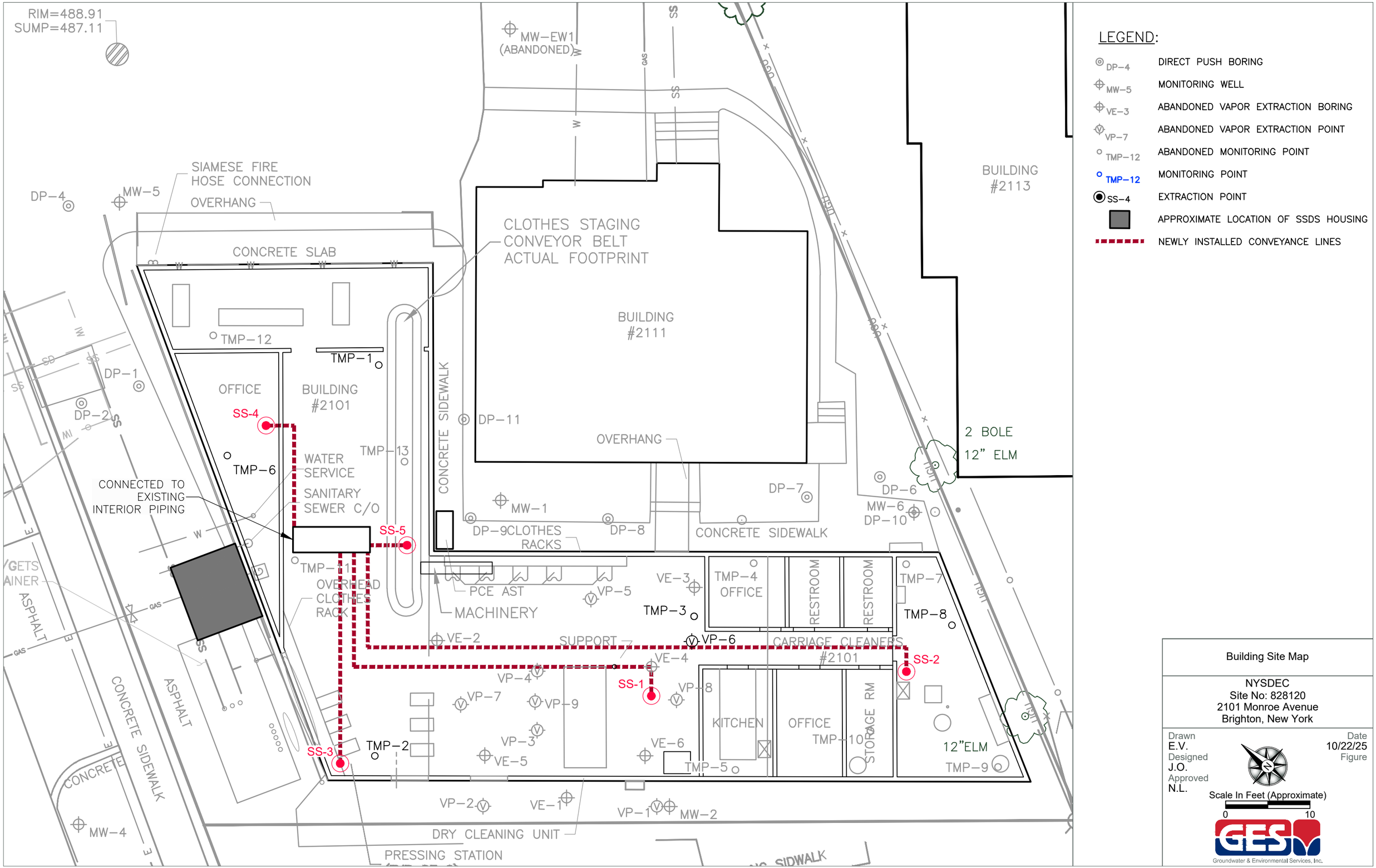
Sincerely,

Groundwater & Environmental Services, Inc.

Owen Ogiony
Staff Geologist

Nicole A. Lindner
Project Manager

Figures



Building Site Map

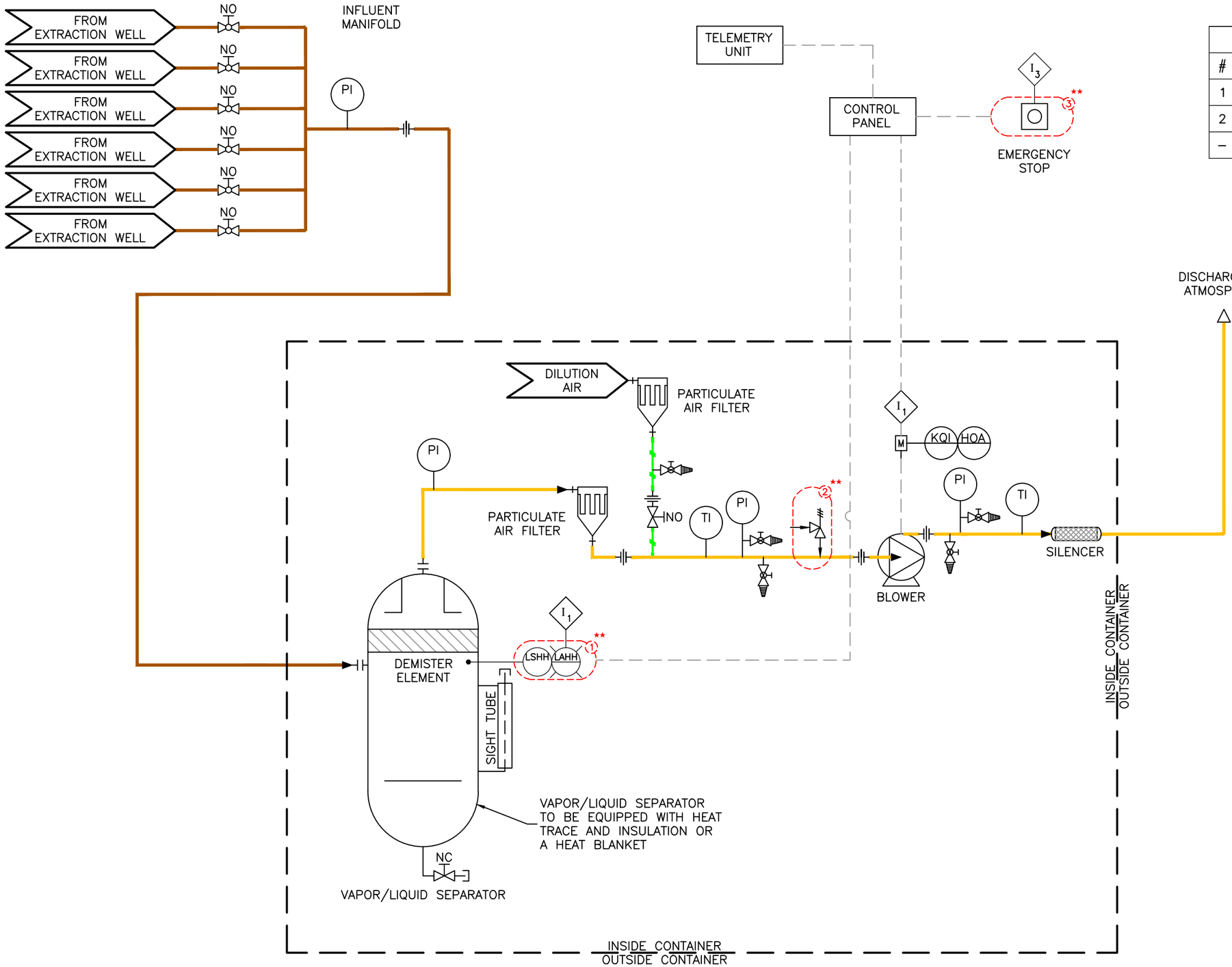
NYSDEC
Site No: 828120
2101 Monroe Avenue
Brighton, New York

Drawn
E.V.
Designed
J.O.
Approved
N.L.

Date
10/22/25
Figure

Scale In Feet (Approximate)
0 10

Groundwater & Environmental Services, Inc.



PROTECTIVE SYSTEM DEVICES		
#	DESIGNATION	FUNCTION
1	I_1 LSHH	BLOWER OFF
2	VACUUM RELIEF VALVE	OPEN RELIEF VALVE
–	EMERGENCY STOP	ALL OFF

THIS AS–BUILT IS PART OF AN INTEGRATED ENGINEERING DESIGN. NO CHANGE IS PERMITTED EXCEPT UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER.

Process & Instrumentation Diagram
Soil Vapor Extraction System

NYSDEC - Carriage Cleaners
2101 Monroe Avenue
Brighton, New York

Drawn	Date
T.P.	07/15/25
Designed	Figure
G.K.	2
Approved	
G.K.	

Not to Scale

Groundwater & Environmental Services, Inc.

N:\Graphics\Graphics\0900-Buffalo\NYSDEC\Brighton (Carriage Cleaners)\Engineering\Brighton (Carriage Cleaners) RSS-SVE P&ID.dwg, PID-SVE, TPeters

Appendix A – Project Permits

SEWER PERMIT

No. 67640

Town of Brighton

1941 ELMWOOD AVENUE
ROCHESTER, NY 14620
Phone: (585) 784-5282
Fax: (585) 784-5385

Dig Safely. New York Call 811 before you dig

For:

_____ New sanitary connection
_____ New storm sewer connection
_____ Conductor installation
x closure of Sanitary Access
_____ Repair to sanitary sewer
_____ Repair to storm sewer
_____ Additions to existing sewer (cleanouts, conductors, etc.)

Contractor:

Company name:	Tree Environmental
Street address:	1018 Washington St.
City, State, Zip:	Spencerport, NY 14559
Phone number:	585 594 5545
Contact name:	Jim Agar
Field contact number:	585 507 5645

Location:

Owner name:	
Street address:	2101 Monroe Ave.
City, State, Zip:	Brighton, NY

I hereby agree to the conditions contained in this permit and will perform all work in conformity to the purpose and intent of the Town of Brighton Specifications. I further agree to provide evidence of insurance coverages of the types and amounts required by Town Board Resolution. ***I have received "Rules of the Sewer Commission and Confined Space Requirements"*** _____ *(Initials)*

Submitted Sketch (required) _____ *(Initials)* N/A photos if needed

Signature: _____ **Name Printed:** Jim Agar **Date** 2/15/24

PERMIT APPROVAL

Permit is granted in accordance with SPECIAL CONDITIONS. In consideration of granting this permit, the signed applicant above is subject to all methods, conditions and restrictions, and all special conditions attached to this form. ***PLEASE NOTE: If work is being done in Right of Way, a second perimit is required.***

OFFICIAL USE ONLY

T.A. number: _____ Sewer District: _____

Pure Waters Permit No. (required for new connection): _____

Town of Brighton license #: — Insurance certificate exp.: on file

Fee paid: $50 - CK# 8718 Svc. Req. # 67640 Inspection Report Generated: ✓

Board of Sewer Commissioners: _____ **Date:** 2/15/24

S:\ORIGINAL FORMS\SEWER PERMIT (PAGES 1 & 2).docx

JAgar@treeenv.com

Town of Brighton Sewer Construction and Repair

RULES OF THE SEWER COMMISSION AND CONFINED SPACE REQUIREMENTS

Please read before work begins:

- All sewer construction shall conform to the latest revisions of the Town standards and shall be subject to the inspection and approval of the Town of Brighton.
- Anyone connecting with or repairing sewers shall file an insurance certificate showing the amounts and types of coverage as determined by resolution of the Commission.
- The charge for this permit and subsequent inspections will be set by resolutions of the Commissioners, and reviewed periodically.
- No connections draining roof water, surface water from roads, lawns or other areas of impounded water into sanitary sewers shall be permitted.
- Wherever it is necessary to enter upon or excavate any highway Right-Of-Way, highway, or cut any pavement, curbing or sidewalk, permit(s) must be obtained from the appropriate agency (town, county or state).
- The Applicant, in making this application, acknowledges that the work site contains permit-required confined spaces, that entry to these spaces must be in complete accord with an O.S.H.A compliant confined space program, that he/she has been informed of the potential hazards of these spaces, and that he/she has been informed of the precautions used by the Town in entering these spaces.

In accordance with the requirements of the O.S.H.A Permit-Required Confined Space Standard 1910.146, this information is being made available to the Applicant so that they can take appropriate precautions to protect their employees during a Permit-Required Confined Space operation. The following is a list of permit space locations, their identified hazards, and precautions recommended by the Town:

Location:	Hazard:	Precautions:
All sanitary sewer manholes	Hazardous atmosphere Engulfment	Air testing/monitoring rescue tripod/harness Personal protective equipment
All storm sewer manholes	Hazardous atmosphere Engulfment	Air testing/monitoring rescue tripod/harness Personal protective equipment
Pump Stations	Hazardous atmosphere Engulfment	Air testing/monitoring Personal protective equipment Forced air ventilation

If Town employees will be involved with entry into or near the permit space, the applicant will be so advised and will be required to coordinate entry operations with the contractor.

The Applicant is required to use his/her Confined Space Program for entry into confined spaces owned by the Town of Brighton.

The Applicant shall, at completion of the entry operation, inform the Sewer Construction Inspector in writing of any hazards confronted or created during their work in the Town's permit space locations.

Attachment 1

CONFINED SPACE SURVEY
ANSWER ALL QUESTIONS

GENERAL INFORMATION

LOCATION NYSDEC Carriage Cleaners (Brighton, NY) DATE 2/1/2024

DESCRIPTION OF SPACE Extraction well vault (EW-1)

CONFINED SPACE DETERMINATION

IS THE SPACE LARGE ENOUGH AND SO CONFIGURED THAT AN EMPLOYEE CAN BODILY ENTER AND PERFORM ASSIGNED WORK? YES NO
DOES THE SPACE HAVE LIMITED OR RESTRICTED MEANS FOR ENTRY OR EXIT? yes
IS THE SPACE NOT DESIGNED FOR CONTINUOUS EMPLOYEE OCCUPANCY? yes

IF THE ANSWER TO ALL THREE QUESTIONS IS "YES", IT IS A CONFINED SPACE.

IF THE ANSWER TO ANY QUESTION IS "NO", PLEASE EXPLAIN.

NON-PERMIT CONFINED SPACE

DOES THE CONFINED SPACE CONTAIN OR HAVE THE POTENTIAL TO CONTAIN A HAZARDOUS ATMOSPHERE? YES NO
DOES THE CONFINED SPACE CONTAIN ANY HAZARD CAPABLE OF CAUSING DEATH OR SERIOUS INJURY? unknown

IF THE ANSWER TO BOTH QUESTIONS IS "NO", IT IS A NON-PERMIT CONFINED SPACE.

PERMIT-REQUIRED CONFINED SPACE

DOES THE SPACE CONTAIN OR HAVE THE POTENTIAL TO CONTAIN ANY OF THE FOLLOWING HAZARDOUS ATMOSPHERES? YES NO
A FLAMMABLE GAS, VAPOR, OR MIST IN EXCESS OF 10% OF ITS LOWER EXPLOSIVE LIMIT (LEL)? STATE HAZARD(S) no

AIRBORN
E COMBUSTIBLE DUST AT A CONCENTRATION THAT MEETS OR EXCEEDS ITS LEL? no
ATMOSPHERIC OXYGEN CONCENTRATION BELOW 19.5% OR ABOVE 23.5%? yes
AN ATMOSPHERIC CONCENTRATION OF ANY SUBSTANCE THAT IS CAPABLE OF CAUSING DEATH, INCAPACITATION, yes
IMPAIRMENT OF ABILITY TO SELF-RESCUE, INJURY, OR ACUTE ILLNESS DUE TO ITS HEALTH EFFECTS? yes
STATE HAZARD(S) Small Area of entry + exit
DOES THE CONFINED SPACE CONTAIN A MATERIAL THAT HAS THE POTENTIAL FOR ENGULFING AN ENTRANT?
STATE HAZARD(S) no
DOES THE CONFINED SPACE HAVE AN INTERNAL CONFIGURATION SUCH THAT AN ENTRANT COULD BE TRAPPED OR ASPHYXIATED BY INWARDLY CONVERGING WALLS OR BY A FLOOR WHICH SLOPES DOWNWARD AND TAPERS TO A SMALLER CROSS SECTION? no
DOES THE CONFINED SPACE CONTAIN ANY OTHER RECOGNIZED SERIOUS SAFETY OR HEALTH HAZARD?
STATE HAZARD(S) Small work area w/ utilities

IF THE ANSWER TO ANY OF THE ABOVE QUESTIONS IS "YES", IT IS A PERMIT-REQUIRED CONFINED SPACE.

POSTING REQUIREMENTS		SURVEY DOCUMENTATION
	YES	SURVEY CONDUCTED BY:
ARE "DANGER" SIGNS POSTED AT ALL ENTRANCES		NAME Nicole Lindner TITLE Staff Geologist NAME Jim Agar TITLE Project Manager NAME TITLE

Attachment 2
PRE-ENTRY CERTIFICATION

DATE 2/14/24 TIME 940 AM
LOCATION OF CONFINED SPACE NYSDEC Carriage Cleaners (Brighton, NY)
DESCRIPTION OF CONFINED SPACE Extraction Well Vault (EW-1)
PURPOSE OF ENTRY Decommissioning Well Pump
PURPOSE OF CERTIFICATION Confined space with atmospheric concerns
RECLASSIFIED NON-PERMIT ☐

LIST HAZARDS WHICH WERE ELIMINATED None

PERMISSIBLE ENTRY LEVEL	TIME	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM
% OF OXYGEN	19.5% TO 23.5%	20.9						
% OF LEL*# (GAS/VAPOR/MIST)	LESS THAN 10%	0						
CO		0						
H2S		0						

* LEL = LOWER EXPLOSIVE LIMIT
# NATURAL GAS (CH4): 0.5% CH4 = 10% LEL VOC 0
HYDROGEN (H2): 0.4% H2 = 10% LEL
ALTERNATE PROCEDURE (FORCED-AIR VENTILATION REQUIRED) ☐
SAFE TO REMOVE ENTRANCE COVER ☑
OPENING PROTECTED AS REQUIRED ☑
INTERNAL ATMOSPHERE TESTED WITH A CALIBRATED DIRECT-READING INSTRUMENT FOR THE FOLLOWING CONDITIONS:

ENTRY LEVEL*	TIME 940AM	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM	AM/PM
% OF OXYGEN	19.5% TO 23.5%	20.9						
% OF LEL*# (GAS/VAPOR/MIST)	LESS THAN 5%	0						
CO		0						
H2S		0						

* ENTRY LEVEL FOR TOXIC SUBSTANCES SHALL BE 50% OF PERMISSIBLE EXPOSURE LIMIT (PEL).
** LEL = LOWER EXPLOSIVE LIMIT NOTES/COMMENTS
CO VOC 0

NAME OF TESTER/MONITOR Aaron TITLE P.M
CERTIFIED BY: NAME K Ballenstein TITLE Supervisor

Attachment 3 CONFINED SPACE ENTRY PERMIT

THE PERMIT WILL REMAIN AT JOB SITE UNTIL JOB IS COMPLETED
DATE _____ 2101 Monroe Ave, Brighton, NY
LOCATION OF CONFINED SPACE DEC Carriage Cleaners (Brighton, NY) TIME 940 AM
DESCRIPTION OF SPACE Extraction well vault (EW-1)
PURPOSE OF ENTRY Decommissioning well pump EXPIRATION 3pm
EXPECTED HAZARDS Atmospheric (TCE/PCE)
COMMUNICATIONS Verbal, hand if needed
QUALIFIED INDIVIDUAL J Mason

SPECIAL REQUIREMENTS BEFORE ENTRY	YES	N/A		YES	N/A
LOCKOUT DE-ENERGIZE - TEST AND VERIFY	X		FIRE EXTINGUISHERS		
LINES BROKEN - CAPPED OR BLANKED			LIGHTING (EXPLOSION PROOF)		
PURGE - FLUSH AND VENT			PROTECTIVE CLOTHING		
VENTILATION N/A	X		RESPIRATOR		
SECURE AREA - (STANCHION AND TAPE)	X				
BREATHING APPARATUS (SCBA)			Pump water from		
RETRIEVAL HARNESS REQUIRED			Vault - possibly		
RETRIEVAL SYSTEM REQUIRED					
LIFELINES					

TEST(S) TO BE TAKEN/ACCEPTABLE ENTRY CONDITIONS TEST INTERVAL

ATMOSPHERIC CONCENTRATION	ACCEPTABLE ENTRY LEVEL										
DO NOT ENTER IF ACCEPTABLE ENTRY LEVELS ARE NOT MAINTAINED	DATE	2/14									
	TESTER	JM									
	TIME	940 AM	940	10	1015						
		A M/ PM	A M/ PM	A M/ PM	A M/ PM	A M/ PM	A M/ PM	A M/ PM	A M/ PM	A M/ PM	A M/ PM
% OF OXYGEN			20.1	20.7	20.7						
% OF LEL * (GAS/VAPOR/MIST)			0	0	0						
Vol. organic compounds			0	0	0						
Other Stressors			0	0	0						

LEL = LOWER EXPLOSIVE LIMIT NAME OF TESTER/MONITOR _____
AUTHORIZED ENTRANTS C. Stockmaith
AUTHORIZED ATTENDANTS K. Ballestero

PERMIT AUTHORIZATION:
I CERTIFY THAT ALL ACTIONS AND CONDITIONS NECESSARY FOR SAFE ENTRY HAVE BEEN PERFORMED.
NAME J Mason
SIGNATURE _____ TIME 940

PURPOSE FOR ENTRY HAS BEEN:
COMPLETED ☐
TERMINATED ☐
NAME J. Mason
SIGNATURE _____
DATE 2/14/24 TIME 1020

NOTES/COMMENTS Pump water from Vault

AMBULANCE CALL _____ RESCUE CALL _____ FIRE CALL _____

VO 600

Attachment 4

Confined Space Entry Plan

Site Name/Project# NYSDEC Carriage Cleaners (Brighton, NY)

Project Manager: Thomas Palmer

Date 2/1/2024 – 2/14/24

(Briefly describe all yellow highlighted portions of this Template and get this plan approved by Corporate VP HSSE or Regional HSSE Manager/Officer – provide adequate review time to HSSE for review and approval – no last minute planning)

1. **Space Classification and Specifications**
   a. Complete Attachment 1 of GES Confined Space Entry Requirements policy: "Confined Space Survey" to determine classification, or per client/facility requirements, whichever is most stringent.
      i. *Indicate classification:* ***permit-required***
   b. Specifications
      i. *Indicate type of space (tank, vault, etc), size of space and opening, configuration of opening:* ***Vault (EW-1)***
   c. Ingress/egress
      i. *Indicate how access will be gained…via ladders, etc.* ***Ladder built into vault.***
2. **Scope of Work**
   a. *De-energizing, removal and decommissioning pump in EW-1 vault.*
3. **Hazards *Present or Possible Inside* Space**
   a. Atmospheric
      i. *TCE/PCE impacts*
   b. Engulfment
      i. *N/A*
   c. Hazardous energy (mechanical, electrical, etc.)
      i. *Electrical*
   d. Obstructions to exit, sloping floors, etc
      i. *One egress with ladder, no obstructions.*
4. **Hazards *Introduced to* Space**
   a. Welding/cutting/grinding
      i. *N/A*
   b. Use of solvents/paints/chemicals (detail each, including PEL, IP, and hazards)
      i. *N/A*
   c. Generation of dust
      i. *N/A*
   d. Equipment use – other
      i. *Detail or indicate N/A*
5. **Atmospheric Monitoring Plan**
   a. Atmospheric testing will be conducted from outside of the space in the order listed in i-iii below, in a stratified approach, prior to entry. Required readings are also provided for each, taking into consideration use of any respirators. Please note that these are required readings **in the breathing zone** of the entrant(s).
      i. O_2

1. ≥19.5% or ≤23.5%

ii. LEL
1. <10%

iii. Toxics
1. H_2S
   a. <10 ppm
2. *VOCs (TCE and PCE)*
   a. *<25 ppm*

b. Atmosphere will be tested in 2' increments, using a 4-gas meter fitted with tubing.
c. Ensure that the air has enough time to travel through the tubing to the detector.
   i. If unsure, attach a Tedlar bag of calibration gas to the tubing and time how long it takes for the detector to respond.
d. Air monitoring shall be continuous, in the entrants' breathing zone, for the duration of the entry. If air monitoring must stop, or equipment malfunctions, entrant must ***immediately*** exit the space.

6. **Engineering/Administrative Controls**
   a. Cartridge change-out schedule shall occur at a minimum at the beginning of each work shift. Change-outs shall be done more frequently if breakthrough is detected, or breathing becomes difficult.
   b. *Mechanical ventilation, shift changes, etc?*
7. **Personal Protective Equipment (in general; see JSA for additional PPE requirements)**
   a. *Detail PPE to be used* Level D, modified
8. **Rescue Plan**
   a. *Detail immediate rescue plan (i.e. tripod for non-entry) and back-up rescue plan (i.e. call...)* tripod/harness extraction if needed, 911 for medical Attention
9. **Communication with Entrants**
   a. *How will this be facilitated* Verbal, hand signals if needed
10. **Conditions Warranting Immediate Escape**
    a. O_2 level below 19.5% or above 23.5%
    b. LEL equal to or greater than 10%
    c. H_2S equal to or greater than 10 ppm
    } monitored 4gas meter
    d. Malfunction of air monitoring equipment
    e. Attendant's need to leave post for ***any*** length of time
    f. Entrant(s) displaying symptoms of chemical exposure (dizziness, lightheadedness, fatigue, nausea, confusion, etc) or complaints of respirator breakthrough
    g. *VOC reading equal to or greater than 25 ppmS* - monitored w/ min. Rae
11. **Roles and Responsibilities**
    a. Entrant(s): *Indicate employee name(s) & company*
       i. Enter the space and perform the work described in #2.
    b. Attendant(s): *Indicate employee name(s) & company*
       i. Must remain outside of the confined space and in contact with the entrants for the duration of the work.
       ii. If attendant must leave post for ***any*** length of time, the entrants must exit the space, or a relief attendant must be identified.
       iii. Monitors the air monitoring instrument readings, and signal an escape when necessary.
    c. Entry Supervisor(s): *Indicate employee name(s) & company*

i. Responsible for ensuring all conditions for entry have been satisfied, and signing off on the permit.
ii. Can be the same as attendant, but then cannot leave post (per b above).

12. **Lighting**
    a. *Indicate how adequate lighting will be provided* - daylight, Flashlights held by Attendant Headlamp by Entrant if needed
13. **Signage/Traffic Control**
    a. Cones, pendant flags, and work area signage will be used to establish the work zone, in accordance with GES' Traffic Control Policy.
    b. *Anything else?* Vehicle placement
14. **Equipment Malfunction**
    a. *Discuss availability of back-up equipment, repairs, plan B…* work ceases till new functioning equipment is onsite

WHEN USING SUBCONTRACTORS FOR CSE WORK, PLEASE ENSURE THAT THE SUBCONTRACTOR CSE PROGRAM, CSE TRAINING DOCUMENTATION, CSE JSA'S ARE ADEQUATELY VETTED BY CORPORATE VP HSSE OR REGIONAL HSSE MANAGER

TREC Environmental Inc.
1018 Washington Street
Spencerport, NY 14559

(585) 595-5545

Confined Space Entry Permit

Permit Number _____ Date 2/14/24

Location & Description of Confined Space:
2101 Monroe Ave, Brighton
EW-1

Purpose of Entry:
Remove pump discharge Tubing

Scheduled Start 2/14/24 940 a.m. / p.m.
Day / Date / Time

Scheduled Finish 3pm a.m. / p.m.
Day / Date / Time

Employee(s) in charge of entry: Jim Agar

Entrants: Chris Stockmaster

Attendants: Kurt Ballerstein

Pre-Entry Authorization: Jim Agar

{Check those items below which are applicable to your confined space permit.}

TYPES OF HAZARDS

(Oxygen-Deficient Atmosphere)	Engulfment	Energized Electrical Equipment
Oxygen-Enriched Atmosphere	Toxic Atmosphere	Entrapment
Welding/Cutting	Flammable Atmosphere	Hazardous Chemical

Note: If welding/cutting operations are to be performed, attach form (3039) to entry form.

SAFETY PRECAUTIONS

Self-Contained Breathing Apparatus	Protective Gloves ✓	Barricade Job Area ✓
Air-Line Respirator	Lifelines ✓	Signs Posted
Fire-Retardant Clothing	Respirators	Clearances Secured ✓
Ventilation	Lockout/Tagout ✓	Lighting
Remarks	Fire Extinguishers ✓	Ground Fault Interrupter

ENVIRONMENTAL CONDITIONS

Tests To Be Taken	Date / Time	Re-testing	Date / Time
Oxygen: 20.9 %	2/14 940 a/p	Oxygen: 20.4 %	1000 ; 1015 a/p End
Lower Explosive Limit: 0 %	a/p	Lower Explosive Limit: 0 %	a/p
Toxic Atmosphere: 0		Toxic Atmosphere: N.A.	
Instruments Used: Mini Rae		Instruments Used: Mini Rae 3 gas	

Employee Conducting Safety Checks **SIGNATURE:** _____

Remark on the overall condition of the confined space.
CO 0
H2S 0
VOC 0

Entry Authorization
All actions and/or conditions for safe entry have been performed.
Person in Charge of Entry _____
Signature

Entry Cancellation
Entry has been completed and all entrants have exited permit space.
Person in Charge of Entry _____
Signature
1030, 4m

Attachment 4

Confined Space Entry Plan

Site Name/Project# NYSDEC Carriage Cleaners (Brighton, NY)

Project Manager: Thomas Palmer

Date 2/1/2024

(Briefly describe all yellow highlighted portions of this Template and get this plan approved by Corporate VP HSSE or Regional HSSE Manager/Officer – provide adequate review time to HSSE for review and approval – no last minute planning)

1. **Space Classification and Specifications**
   a. Complete Attachment 1 of GES Confined Space Entry Requirements policy: "Confined Space Survey" to determine classification, or per client/facility requirements, whichever is most stringent.
      i. *Indicate classification:* ***permit-required***
   b. Specifications
      i. *Indicate type of space (tank, vault, etc), size of space and opening, configuration of opening:* ***Vault (EW-1)***
   c. Ingress/egress
      i. *Indicate how access will be gained…via ladders, etc.* ***Ladder built into vault.***
2. **Scope of Work**
   a. *De-energizing, removal and decommissioning pump in EW-1 vault.*
3. **Hazards *Present or Possible Inside* Space**
   a. Atmospheric
      i. *TCE/PCE impacts*
   b. Engulfment
      i. *N/A*
   c. Hazardous energy (mechanical, electrical, etc.)
      i. *Electrical*
   d. Obstructions to exit, sloping floors, etc
      i. *One egress with ladder, no obstructions.*
4. **Hazards *Introduced to* Space**
   a. Welding/cutting/grinding
      i. *N/A*
   b. Use of solvents/paints/chemicals (detail each, including PEL, IP, and hazards)
      i. *N/A*
   c. Generation of dust
      i. *N/A*
   d. Equipment use – other
      i. *Detail or indicate N/A* Hand tools will be only equipment needed for this work.
5. **Atmospheric Monitoring Plan**
   a. Atmospheric testing will be conducted from outside of the space in the order listed in i-iii below, in a stratified approach, prior to entry. Required readings are also provided for each, taking into consideration use of any respirators. Please note that these are required readings **in the breathing zone** of the entrant(s).
      i. O_2

Appendix B – Daily Reports

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Contract No.

DEC Insp. –

DEC PM – Donald Roe

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Site Location: Carriage Cleaners

Weather Conditions

General Description	Indoor Work	AM	Indoor Work	PM
Temperature		AM		PM
Wind		AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

ACM Rules and regs, distances for public and employees. No knife policy.

Summary of Work Performed	Arrived at site:	**1430**	Departed Site:	**1900**

- Oversee ACM abatement - Conduct abatement at the 6 indicated Test Points TMP-11 through TMP-13) and Sub slab locations (SS-3 through SS-5 location (six total locations). SS-2 was in concrete and did not need abatement.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Brandon Mikolin	GES	Geologist	7.00
Tom Szablewski	Abscope	Abatement	4.5
Michael Coniglio	Abscope	Abatement	4.5
Andrew Shust	Abscope	Abatement	4

Equipment Description	Contractor/Vendor	Quantity	Used

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
Non-Friable Flooring	NA	10/25/23	ACM	High Acres Landfill		NA

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
NA	

Project Schedule Comments

NA

Issues Pending

NA

Interaction with Public, Property Owners, Media, etc.

NA

Include (insert) figures with markups showing location of work and job progress

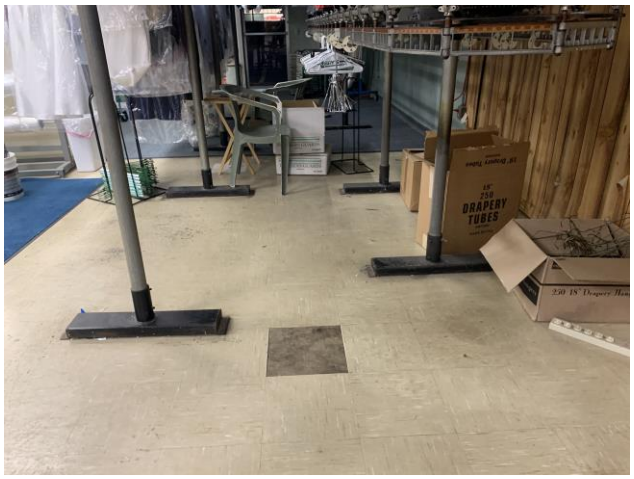
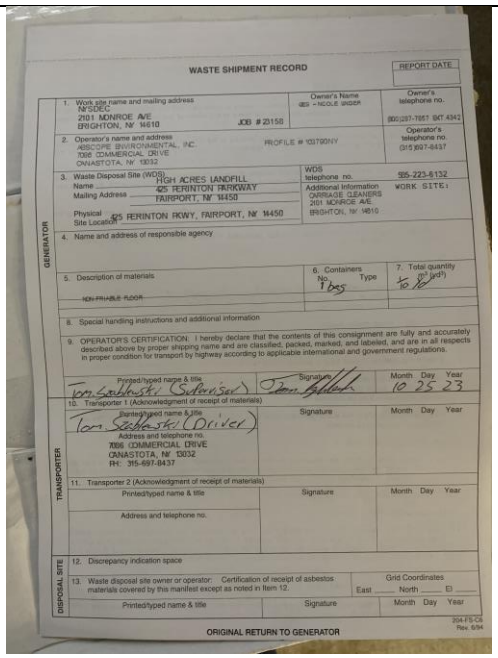
Site Photographs (Descriptions Below)

Abatement area sectioned off

Glovebag used

Floor tile removed.

Floor tile removed.

	
Floor tile removed.	Waste manifest.

Comments	
Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☒

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☐	No ☐	N/A☒
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☒	No ☐	N/A☐
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☒	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: Drums/waste that currently exists at the site not related to the work GES/EEEC/DEC has done and has been determined to be the property owner's responsibility.			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Contract No.

DEC Insp. –

DEC PM – Donald Roe

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Site Location: Carriage Cleaners

Weather Conditions				
General Description	Indoor Work	AM	Indoor Work	PM
Temperature		AM		PM
Wind		AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Ergonomics and drilling safety

Summary of Work Performed	Arrived at site:	0830	Departed Site:	1530

Install TMP and SS points and perform O&M

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Peter Lyon	GES		7
Owen Ogiony	GES		7

Equipment Description	Contractor/Vendor	Quantity	Used
Core Drill	GES	1	1

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
na						

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
na		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing
na	

Project Schedule Comments

NA

Issues Pending

NA

Interaction with Public, Property Owners, Media, etc.

NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
No photos taken	

Comments	
Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☐

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☒	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Contract No.

DEC Insp. –

DEC PM – Donald Roe

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Site Location: Carriage Cleaners

Weather Conditions

General Description	Indoor Work	AM	Indoor Work	PM
Temperature		AM		PM
Wind		AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Ergonomics and drilling safety

Summary of Work Performed	Arrived at site:	0830	Departed Site:	1530

Install TMP and SS points

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Peter Lyon	GES		7
Owen Ogiony	GES		7

Equipment Description	Contractor/Vendor	Quantity	Used

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
na						

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
na		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing
na	

Project Schedule Comments

NA

Issues Pending

NA

Interaction with Public, Property Owners, Media, etc.

NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
No photos taken	

Comments	
Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☐

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☒	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT - No. 004

(Site Name), Site No. 828120 12/12/2023-12/14/2023

Date:

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Contract No.

DEC Insp. –

DEC PM – Donald Roe

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Site Location: Carriage Cleaners

Weather Conditions

General Description	Indoor Work	AM		PM
Temperature		AM		PM
Wind		AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

NA

Summary of Work Performed	Arrived at site:	0830	Departed Site:	1500

System O&M, get parts and materials list for system decomissioning, prep for system decomissioning and new system install.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Peter Lyon	GES	Technician	9 (12/12/23)
Mike Reisch	GES	Technician	8 (12/12/23)
Peter Lyon	GES	Technician	9 (12/13/23)
Peter Lyon	GES	Technician	9 (12/14/23)

Equipment Description	Contractor/Vendor	Quantity	Used

Visitors to Site			
Name	**Representing**	**Entered Exclusion/CRZ Zone**	
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives	
Name	**Representing**

Project Schedule Comments

Issues Pending

Interaction with Public, Property Owners, Media, etc.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
No photos taken	

Comments	
Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☐

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☒	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT - No. 005

(Site Name), Site No. 828120

12/20/2023 **Date:**

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Contract No.

DEC Insp. –

DEC PM – Donald Roe

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Site Location: Carriage Cleaners

Weather Conditions				
General Description	Cloudy	AM		PM
Temperature	20s	AM		PM
Wind	none	AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Summary of Work Performed	Arrived at site:	0900	Departed Site:	1030

Deliver new SSDS enclosure

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Brandon Mikolin	GES		1.5
Mike Resich	GES		1.5

Equipment Description	Contractor/Vendor	Quantity	Used

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing

Project Schedule Comments

Issues Pending

Interaction with Public, Property Owners, Media, etc.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
No photos taken	

Comments	
Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☐

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☒	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: Carriage Cleaners

Contract No.

DEC Insp. –

DEC PM – Donald Roe

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Weather Conditions

General Description	Indoors	AM	Indoors	PM
Temperature		AM		PM
Wind		AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

Slips, trips, and falls

Summary of Work Performed	Arrived at site:	**0830**	Departed Site:	**1400**

- Onsite for system O&M and sampling.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Peter Lyon	GES	Technician	8

Equipment Description	Contractor/Vendor		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
NA	

Project Schedule Comments

NA

Issues Pending

NA

Interaction with Public, Property Owners, Media, etc.

NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
No photos taken.	

Comments	

Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☒

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☒	No ☐	N/A☐
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☒	No ☐	N/A☐
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☒	No ☐	N/A☐
Piles are securely covered when not in use?	Yes ☒	No ☐	N/A☐
Containers are closed when not in use?	Yes ☒	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☒	No ☐	N/A☐
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☒	No ☐	N/A☐
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: Drums/waste that currently exists at the site not related to the work GES/EEEC/DEC has done and has been determined to be the property owner's responsibility.			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: Carriage Cleaners

Contract No.

DEC Insp. –

DEC PM – Donald Roe

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Weather Conditions

General Description	Indoors	AM	Indoors	PM
Temperature		AM		PM
Wind		AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

Slips, trips, and falls

Summary of Work Performed	Arrived at site:	**1530**	Departed Site:	**1600**

- Onsite for site visit to ensure everything is ready for system conversion.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Peter Lyon	GES	Technician	0.5

Equipment Description	Contractor/Vendor		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

Equipment/Material Tracking Comments:

Visitors to Site			
Name	**Representing**	**Entered Exclusion/CRZ Zone**	
NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives	
Name	**Representing**
NA	

Project Schedule Comments
NA

Issues Pending
NA

Interaction with Public, Property Owners, Media, etc.
NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
No photos taken.	

Comments	

Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☒

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☒	No ☐	N/A☐
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☒	No ☐	N/A☐
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☒	No ☐	N/A☐
Piles are securely covered when not in use?	Yes ☒	No ☐	N/A☐
Containers are closed when not in use?	Yes ☒	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☒	No ☐	N/A☐
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☒	No ☐	N/A☐
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: Drums/waste that currently exists at the site not related to the work GES/EEEC/DEC has done and has been determined to be the property owner's responsibility.			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: Carriage Cleaners

Contract No.

DEC Insp. –

DEC PM – Donald Roe

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Weather Conditions

General Description	Indoors	AM	Indoors	PM
Temperature		AM		PM
Wind		AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

Slips, trips, and falls

Summary of Work Performed	Arrived at site:	**0900**	Departed Site:	**1530**

- Onsite for system removal and conversion.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Peter Lyon	GES	Technician	9
Owen Ogiony	GES	Geologist	6

Equipment Description	Contractor/Vendor		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

Equipment/Material Tracking Comments:

Visitors to Site			
Name	**Representing**	**Entered Exclusion/CRZ Zone**	
NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives	
Name	**Representing**
NA	

Project Schedule Comments
NA

Issues Pending
NA

Interaction with Public, Property Owners, Media, etc.
NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
No photos taken.	

Comments	

Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☒

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☒	No ☐	N/A☐
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☒	No ☐	N/A☐
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☒	No ☐	N/A☐
Piles are securely covered when not in use?	Yes ☒	No ☐	N/A☐
Containers are closed when not in use?	Yes ☒	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☒	No ☐	N/A☐
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☒	No ☐	N/A☐
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: Drums/waste that currently exists at the site not related to the work GES/EEEC/DEC has done and has been determined to be the property owner's responsibility.			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT - No. 009

(Site Name), Site No. 828120 **Date:** 2-13-24

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Contract No.

DEC Insp. –

DEC PM – Donald Roe

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Site Location: Carriage Cleaners

Weather Conditions

General Description	Indoor Work	AM	Indoor Work	PM
Temperature		AM		PM
Wind		AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Ergonomics and kneeling

Summary of Work Performed	Arrived at site:	0730	Departed Site:	1630

Prep system for disconnect, TMP Helium test, and fence removal

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Owen Ogiony	GES		7
Peter Lyon	GES		8.5
Trec x 4	Trec		8
Landmark x 1	Landmark		8
Josh Minard	Mactec EEEG		8

Equipment Description	Contractor/Vendor	Quantity	Used
	GES		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
na						

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
na		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing
na	

Project Schedule Comments

NA

Issues Pending

NA

Interaction with Public, Property Owners, Media, etc.

NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
Fencing removed, filled with concrete.	New system container (left) shipping container (right) old system prepped for removal.
New electrical box manifolded into electrical system.	

Comments	
Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☐

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☒	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT - No. 010

(Site Name), Site No. 828120 2-14-24

Date:

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: Carriage Cleaners

Contract No.

DEC Insp. –

DEC PM – Donald Roe

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Weather Conditions

General Description	Indoor Work	AM	Indoor Work	PM
Temperature		AM		PM
Wind		AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Ergonomics and kneeling

Summary of Work Performed	Arrived at site:	0730	Departed Site:	1630

Prep system for disconnect, TMP Helium test, fence removal, confined space entry into EW-1 and removal of transducer/wiring

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Owen Ogiony	GES		7
Peter Lyon	GES		8.5
Trec x 4	Trec		8
Landmark x 1	Landmark		8
Josh Minard	Mactec EEEG		8

Equipment Description	Contractor/Vendor	Quantity	Used
	GES		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
na						

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
na		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
na	

Project Schedule Comments

NA

Issues Pending

NA

Interaction with Public, Property Owners, Media, etc.

NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
Photo of interior of EW-1.	

Comments	
Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☐

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☒	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT - No. 011

(Site Name), Site No. 828120 2-15-24 **Date:**

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Contract No.

DEC Insp. –

DEC PM – Donald Roe

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Site Location: Carriage Cleaners

Weather Conditions

General Description	Indoor Work	AM	Indoor Work	PM
Temperature		AM		PM
Wind		AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Ergonomics and kneeling

Summary of Work Performed	Arrived at site:	0730	Departed Site:	1600

New system install

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Owen Ogiony	GES		8.25
Peter Lyon	GES		8.25
Trec x 2	Trec		8
Landmark x 1	Landmark		8
Josh Minard	Mactec EEEG		8

Equipment Description	Contractor/Vendor	Quantity	Used
	GES		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
na						

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
na		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
na	

Project Schedule Comments

NA

Issues Pending

NA

Interaction with Public, Property Owners, Media, etc.

NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
Photo log will be provided separately.	

Comments	
Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☐

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☒	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave

Photo #:	1
Date:	02/15/2024
Direction:	E

Comments:

Container and manifold pre work

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave

Photo #:	2
Date:	02/15/2024
Direction:	E

Comments:

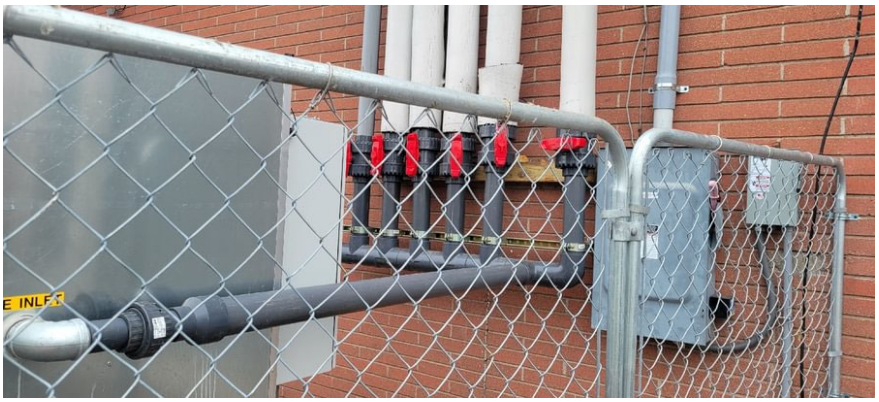
Mid install Feb.14

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave

Photo #:	3
Date:	02/15/2024
Direction:	E.

Comments:

Completed Manifold Feb. 15



Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave

Photo #:	4
Date:	02/15/2024
Direction:	SE

Comments:

Manifold

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave

Photo #:	5
Date:	02/15/2024
Direction:	East

Comments:

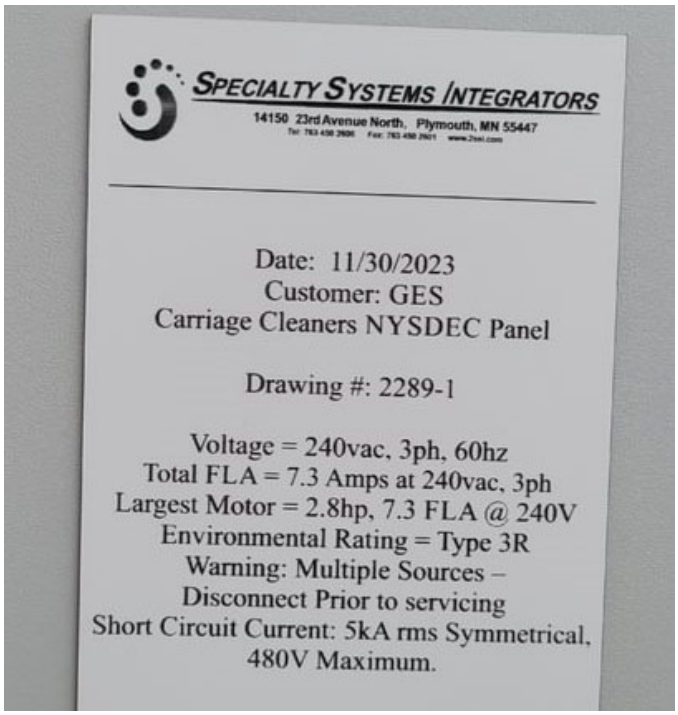
System front

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave

Photo #:	6
Date:	02/15/2024
Direction:	Na

Comments:

System data tag

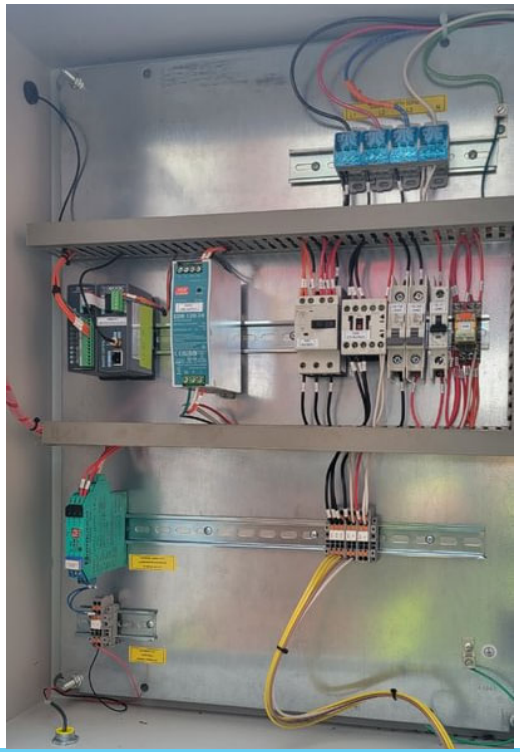


Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave

Photo #:	7
Date:	02/15/2024
Direction:	West

Comments:

System electrical panel



Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave

Photo #:	8
Date:	02/15/2024
Direction:	Nw

Comments:

SS-3 tie in

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave

Photo #:	9
Date:	02/15/2024
Direction:	Nw

Comments:

SS-3 tie in

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave

Photo #:	10
Date:	02/15/2024
Direction:	W

Comments:

SS-3 tie in

DAILY INSPECTION REPORT - No. 012

(Site Name), Site No. 828120 2-16-24

Date:

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: Carriage Cleaners

Contract No.

DEC Insp. –

DEC PM – Donald Roe

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Weather Conditions

General Description	Indoor Work	AM	Indoor Work	PM
Temperature		AM		PM
Wind		AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Ergonomics and kneeling

Summary of Work Performed	Arrived at site:	0730	Departed Site:	1645

New system install

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Owen Ogiony	GES		7.75
Peter Lyon	GES		8.75
Josh Minard	Mactec EEEG		8

Equipment Description	Contractor/Vendor	Quantity	Used
	GES		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
na						

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
na		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
na	

Project Schedule Comments

NA

Issues Pending

NA

Interaction with Public, Property Owners, Media, etc.

NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
Photo log will be provided separately.	

Comments	
Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☐

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☒	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

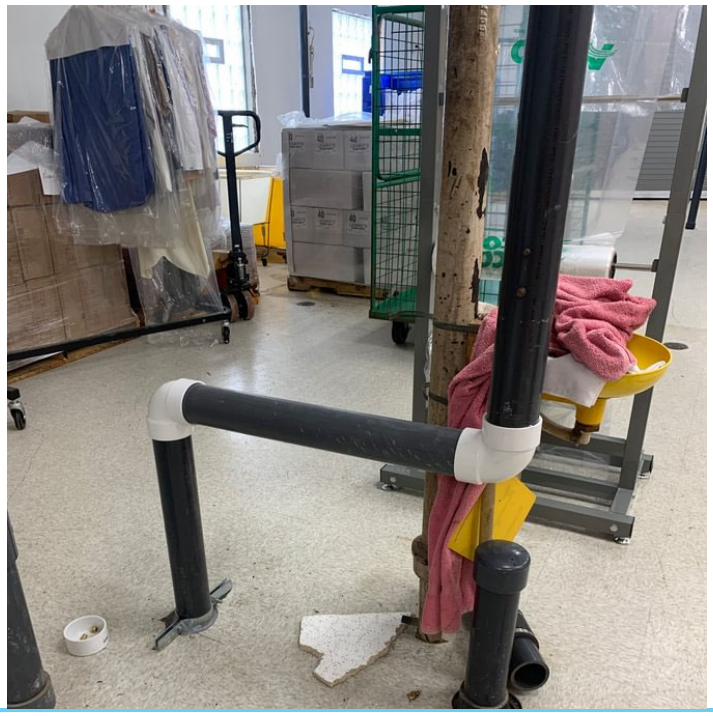
* BART – Best Available Retrofit Technology

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** Carriage Cleaners

Photo #:	1
Date:	02/16/2024
Direction:	S

Comments:

VE-4 converted to SS-1



Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** Carriage Cleaners

Photo #:	2
Date:	02/16/2024
Direction:	S

Comments:

Fence removed

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** Carriage Cleaners

Photo #:	3
Date:	02/16/2024
Direction:	E

Comments:

EW-1 after removal of wiring and pump

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** Carriage Cleaners

Photo #:	4
Date:	02/16/2024
Direction:	S

Comments:

Capping of 3" sewer line

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** Carriage Cleaners

Photo #:	5
Date:	02/16/2024
Direction:	S

Comments:

Concrete patch on 3" sewer line

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: Carriage Cleaners

Contract No.

DEC Insp. –

DEC PM – Donald Roe

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Weather Conditions

General Description	Indoors	AM	Indoors	PM
Temperature		AM		PM
Wind		AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

Slips, trips, and falls

Summary of Work Performed	Arrived at site:	**0815**	Departed Site:	**1730**

- Onsite for O&M, System Start and Optimization

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Peter Lyon	GES	Technician	10
Owen Ogiony	GES	Geologist	10.5

Equipment Description	Contractor/Vendor		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

Equipment/Material Tracking Comments:

Visitors to Site			
Name	**Representing**	**Entered Exclusion/CRZ Zone**	
NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives	
Name	**Representing**
NA	

Project Schedule Comments
NA

Issues Pending
NA

Interaction with Public, Property Owners, Media, etc.
NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
No photos taken.	

Comments	

Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☒

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☒	No ☐	N/A☐
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☒	No ☐	N/A☐
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☒	No ☐	N/A☐
Piles are securely covered when not in use?	Yes ☒	No ☐	N/A☐
Containers are closed when not in use?	Yes ☒	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☒	No ☐	N/A☐
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☒	No ☐	N/A☐
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: Drums/waste that currently exists at the site not related to the work GES/EEEC/DEC has done and has been determined to be the property owner's responsibility.			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT - No. 014

(Site Name), Site No. 828120 **Date:** 2/23/24

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Contract No.

DEC Insp. –

DEC PM – Donald Roe

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Site Location: Carriage Cleaners

Weather Conditions				
General Description	Indoor Work	AM	Indoor Work	PM
Temperature		AM		PM
Wind		AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Ergonomics and kneeling

Summary of Work Performed	Arrived at site:	0700	Departed Site:	1230

SSDS testing, disconnect and seal lids on VE-3. VE-4. VE-5. VE-6, and VE-8

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Peter Lyon	GES	GES	5.5

Equipment Description	Contractor/Vendor	Quantity	Used
	GES		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
na						

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
na		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
na	

Project Schedule Comments

NA

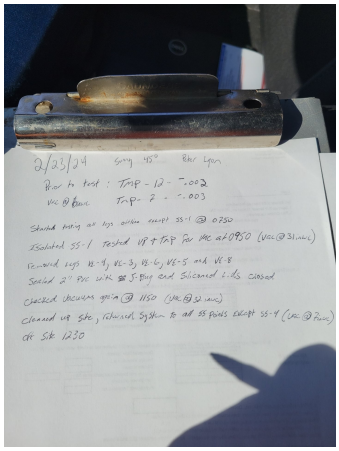
Issues Pending

NA

Interaction with Public, Property Owners, Media, etc.

NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
	
Field notes from testing	

Comments	
Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☐

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☒	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: Carriage Cleaners

Contract No.

DEC Insp. –

DEC PM – Donald Roe

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Weather Conditions

General Description	No rain	AM		PM
Temperature	55	AM		PM
Wind	fair	AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

Pinch points, kneeling, slips, trips, and falls

Summary of Work Performed	Arrived at site:	**0930**	Departed Site:	**1530**

- Performed SSDS testing of system.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Owen Ogiony	GES	Technician	8

Equipment Description	Contractor/Vendor		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

Equipment/Material Tracking Comments:

Visitors to Site			
Name	**Representing**	**Entered Exclusion/CRZ Zone**	
NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

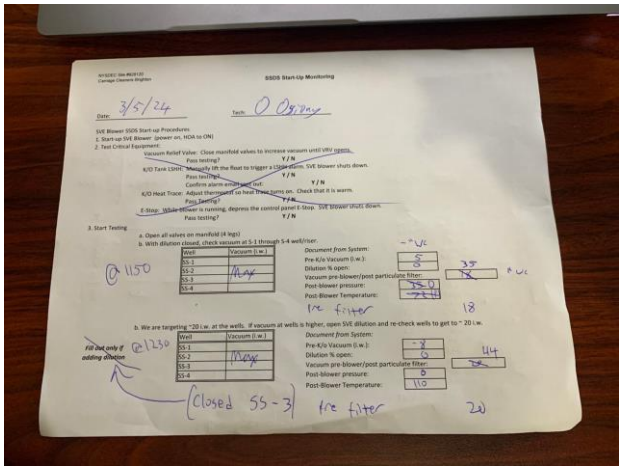
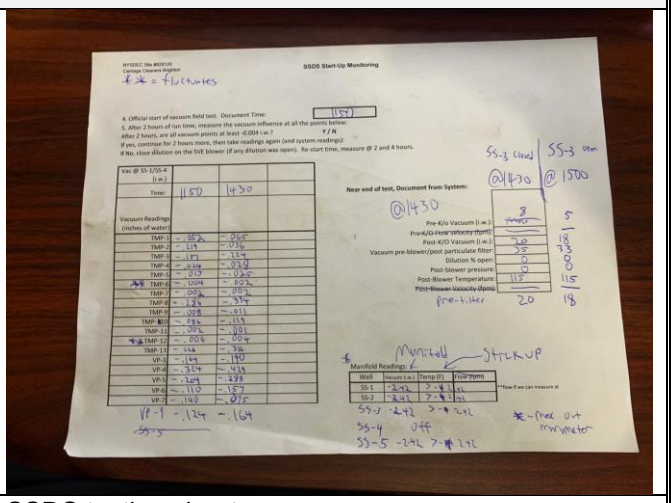
Site Representatives	
Name	**Representing**
NA	

Project Schedule Comments
NA

Issues Pending
NA

Interaction with Public, Property Owners, Media, etc.
NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
	
SSDS testing sheet.	SSDS testing sheet

Comments	
Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☒

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☒	No ☐	N/A☐
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☒	No ☐	N/A☐
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☒	No ☐	N/A☐
Piles are securely covered when not in use?	Yes ☒	No ☐	N/A☐
Containers are closed when not in use?	Yes ☒	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☒	No ☐	N/A☐
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☒	No ☐	N/A☐
If any issues noted, has Contractor been notified?	Yes ☒	No ☐	N/A☐
Comments: Drums/waste that currently exists at the site not related to the work GES/EEEC/DEC has done and has been determined to be the property owner's responsibility.			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

3/18/24

DAILY INSPECTION REPORT - No. 015
(Site Name), Site No. XXXXXX Site # 828120
3/18/24

Date: MM/DD/YYYY

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Contract No.
DEC Insp. –
DEC PM –
Contractor Supt. –
Engineer PM –
Engineer Insp. –

Site Location: Carriage Cleaners

Weather Conditions

General Description	clear	AM		PM
Temperature	30	AM		PM
Wind	clear	AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

NA

Summary of Work Performed	Arrived at site:		Departed Site:	

Testing SVE System

Remove and cap TMP-7

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA
Were there any vehicles which were not tarped?	* Yes	No	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours
Omar Ogilvy	GES	ENV	6

Equipment Description	Contractor/Vendor	Quantity	Used
NA			

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
NA						

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

NA

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
NA		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing
NA	

Project Schedule Comments

More testing to occur on 3/19

Issues Pending

NA

Interaction with Public, Property Owners, Media, etc.

NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	

Comments	
Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☐

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☒	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☐	No ☐	N/A ☒
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A ☒
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A ☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A ☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A ☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A ☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A ☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A ☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A ☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A ☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A ☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A ☒
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A ☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A ☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A ☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A ☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A ☒

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☐	No ☐	N/A☒
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes☒	No ☐	N/A☐
Comments:			

* BART – Best Available Retrofit Technology

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** Carriage Cleaners

Photo #:	1
Date:	03/18/2024
Direction:	Na

Comments:

TMP-7 capped

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** Carriage Cleaners

Photo #:	2
Date:	03/18/2024
Direction:	Na

Comments:

Crack at wall-floor interface near SS-4 that is allowing air into sub slab

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** Carriage Cleaners

Photo #:	3
Date:	03/18/2024
Direction:	Na

Comments:

Crack at wall-floor interface near SS-4 that is allowing air into sub slab

3/19/24

DAILY INSPECTION REPORT - No. 016
(Site Name), Site No. XXXXXX

Site # 828120
3/19/24

Date: MM/DD/YYYY

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Contract No.
DEC Insp. –
DEC PM –
Contractor Supt. –
Engineer PM –
Engineer Insp. –

Site Location: Carriage Cleaners

Weather Conditions

General Description	Overcast	AM		PM
Temperature	30	AM		PM
Wind	None	AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

NA

Summary of Work Performed	Arrived at site:	0900	Departed Site:	1530

Testing SVE System

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA
Were there any vehicles which were not tarped?	* Yes	No	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours
O'Neil Ogony	GES	ENV.	6
Brandon Mixon			6

Equipment Description	Contractor/Vendor	Quantity	Used

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
N/A		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing
N/A	

Project Schedule Comments

- finished all testing

Issues Pending

SS-4 Short Circuiting

Interaction with Public, Property Owners, Media, etc.

NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
No photos taken.	

Comments	
Site inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☐

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☑	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☑
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☑
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☑	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☐	No ☐	N/A ☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A ☐
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A ☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A ☐
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A ☐
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A ☐
Containers are closed when not in use?	Yes ☐	No ☐	N/A ☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A ☐
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A ☐
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A ☐
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☐	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☐	N/A ☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A ☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A ☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A ☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A ☐
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A ☐
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A ☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☐	No ☐	N/A☒
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐	N/A☐
Comments:			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT - No. 017

(Site Name), Site No. XXXXXX Site # 828120 4/2/24 — 4/2/2024 — **Date: MM/DD/YYYY**

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Contract No.

DEC Insp. –

DEC PM – Charles Gregory

Contractor Supt. –

Engineer PM –

Engineer Insp. –

Site Location: Carriage Cleaners

Weather Conditions

General Description	41 Rain	AM	43 Rain	PM
Temperature		AM		PM
Wind	Slight	AM	Slight	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	(No)	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	(No)	(NA)
Were there any nuisance issues reported/observed on this date?	*Yes	(No)	NA

Health & Safety Comments

Discussed hammer drill safety

Summary of Work Performed	Arrived at site:	0900	Departed Site:	

Removed tile in utility room, took pics before and after, tested airflow at cracks

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	(No)	(NA)
Were there any vehicles which were not tarped?	* Yes	No	(NA)
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	(NA)

Personnel and Equipment

Individual	Company	Trade	Total Hours
Jessica Paterson	GES	Env. Scientist	

Equipment Description	Contractor/Vendor	Quantity	Used
NA	NA		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
NA			NA			

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing
Jessica Paterson	GES
Pete Lyon	GES

Project Schedule Comments

Issues Pending

Identified sources of pressure loss
Need to return to seal

Interaction with Public, Property Owners, Media, etc.

Drycleaner personnel

Include (insert) figures with markups showing location of work and job progress

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☒
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☐	No ☐	N/A ☒
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☒	No ☐	N/A ☐
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A ☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A ☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A ☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A ☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A ☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A ☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A ☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A ☒
Comments:			

NUISANCE CHECKLIST

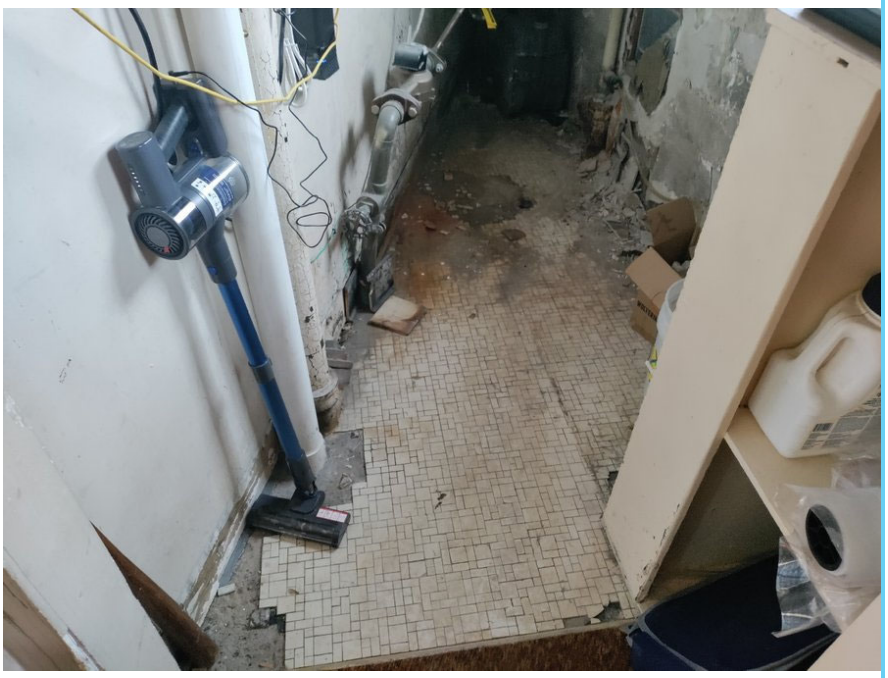
Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A ☒
Were there any odors detected on this date?	Yes ☐	No ☒	N/A ☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A ☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A ☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A ☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A ☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A ☐

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave

Photo #:	1
Date:	04/02/2024
Direction:	Utility room

Comments:

Before tile removal



Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave

Photo #:	2
Date:	04/02/2024
Direction:	Utility room

Comments:

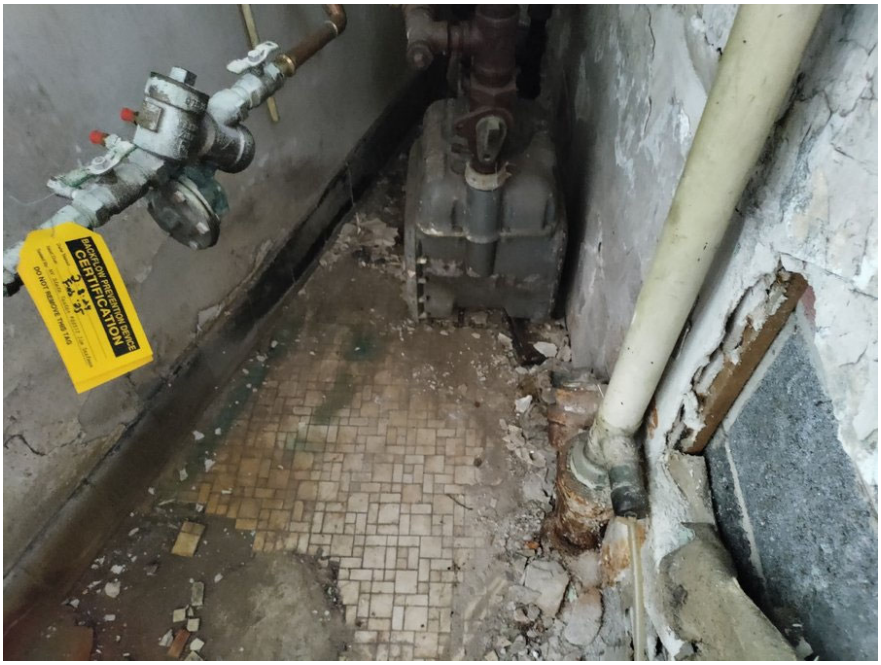
Before tile removal

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave

Photo #:	3
Date:	04/02/2024
Direction:	Utility room

Comments:

Near back corner, before



Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave

Photo #:	4
Date:	04/02/2024
Direction:	Utility room

Comments:

In back corner, before

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave

Photo #:	5
Date:	04/02/2024
Direction:	Utility room

Comments:

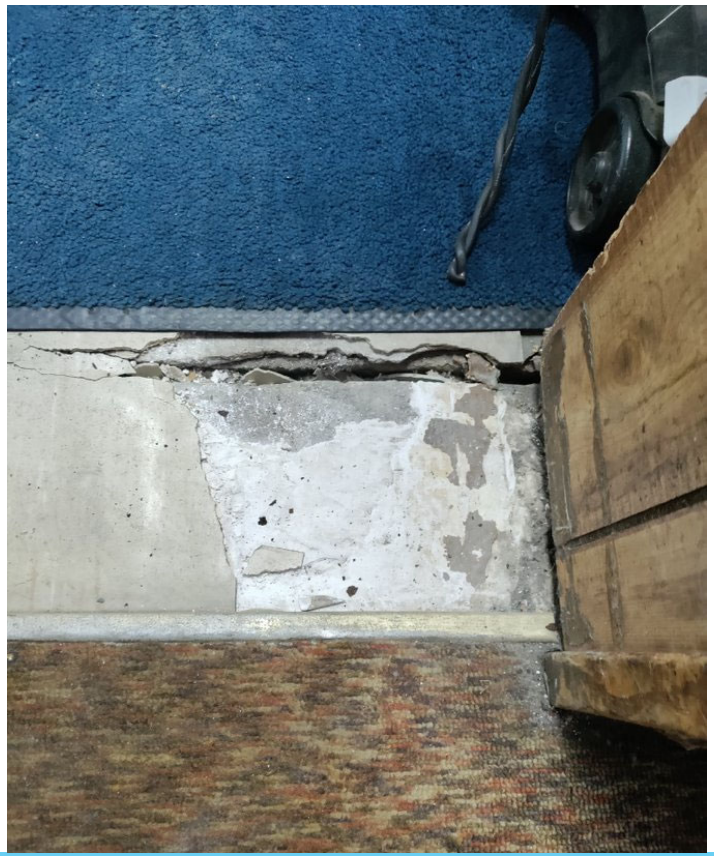
Interior side of exterior wall, unsure of material, removed loose debris

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave

Photo #:	6
Date:	04/02/2024
Direction:	Standing in entrance to utility room facing to rest of facility

Comments:

Crack appears to go under wood paneling to right and may go under tiles to left. Did not disturb in any way due to possible asbestos



Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave

Photo #:	7
Date:	04/02/2024
Direction:	Entrance of utility room

Comments:

Close up of last photo

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave

Photo #:	8
Date:	04/02/2024
Direction:	Standing outside utility room looking at entrance

Comments:

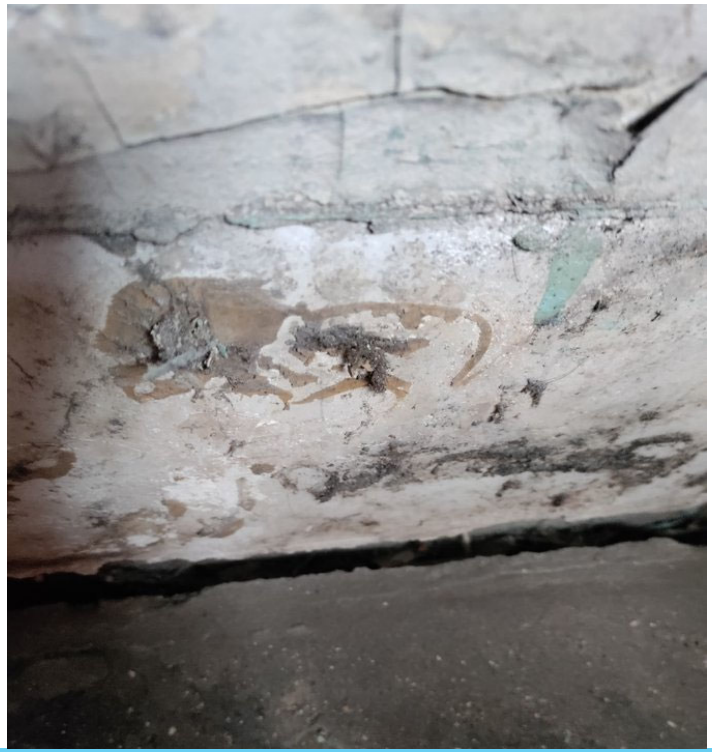
Large crack in floor

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave

Photo #:	9
Date:	04/02/2024
Direction:	Utility room

Comments:

Crack running along interior wall 1.5" approx



Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave

Photo #:	10
Date:	04/02/2024
Direction:	Utility room

Comments:

Crack along interior wall

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave

Photo #:	11
Date:	04/02/2024
Direction:	Utility room

Comments:

Crack extends into back corner

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave

Photo #:	12
Date:	04/02/2024
Direction:	Utility room

Comments:

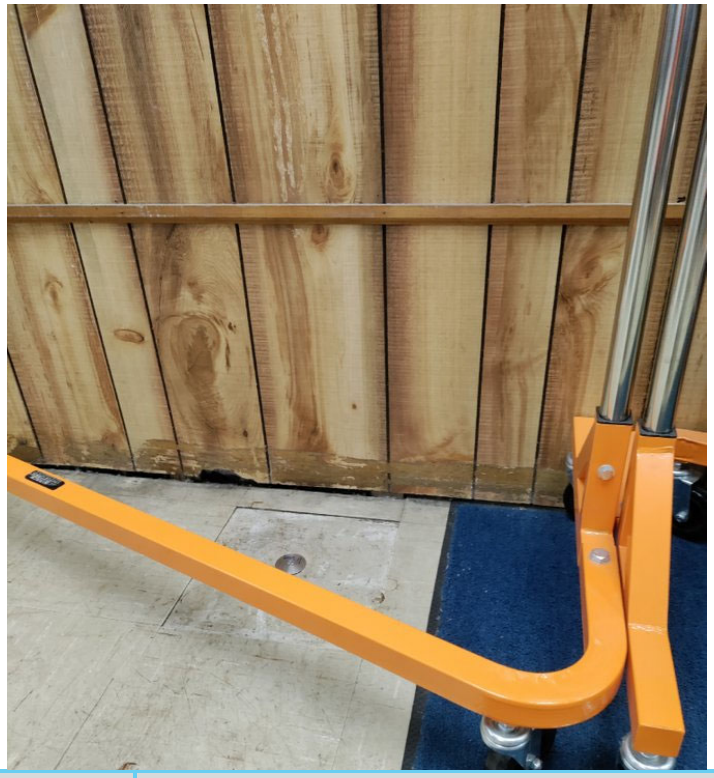
Back corner

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave

Photo #:	13
Date:	04/02/2024
Direction:	Other side of interior wall

Comments:

Space under wood panelling



Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave

Photo #:	14
Date:	04/02/2024
Direction:	Utility room

Comments:

After tile removal and clean up

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: Carriage Cleaners

Contract No.

DEC Insp. –

DEC PM – Donald Roe

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Weather Conditions

General Description	Indoors	AM	Indoors	PM
Temperature		AM		PM
Wind		AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

Slips, trips, and falls

Summary of Work Performed	Arrived at site:	**1430**	Departed Site:	**1445**

- Onsite for site walk for materials acquisition.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Peter Lyon	GES	Technician	1

Equipment Description	Contractor/Vendor		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
NA	

Project Schedule Comments

NA

Issues Pending

NA

Interaction with Public, Property Owners, Media, etc.

NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
No photos taken.	

Comments	

Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☒

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☒	No ☐	N/A☐
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☒	No ☐	N/A☐
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☒	No ☐	N/A☐
Piles are securely covered when not in use?	Yes ☒	No ☐	N/A☐
Containers are closed when not in use?	Yes ☒	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☒	No ☐	N/A☐
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☒	No ☐	N/A☐
If any issues noted, has Contractor been notified?	Yes ☒	No ☐	N/A☐
Comments: Drums/waste that currently exists at the site not related to the work GES/EEEC/DEC has done and has been determined to be the property owner's responsibility.			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: Carriage Cleaners

Contract No.

DEC Insp. –

DEC PM – Donald Roe

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Weather Conditions

General Description	Indoors	AM	Indoors	PM
Temperature		AM		PM
Wind		AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

Slips, trips, and falls

Summary of Work Performed	Arrived at site:	**1600**	Departed Site:	**1630**

- Onsite for system maintenance.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Peter Lyon	GES	Technician	1

Equipment Description	Contractor/Vendor		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
NA	

Project Schedule Comments

NA

Issues Pending

NA

Interaction with Public, Property Owners, Media, etc.

NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
No photos taken.	

Comments	

Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☒

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☒	No ☐	N/A☐
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☒	No ☐	N/A☐
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☒	No ☐	N/A☐
Piles are securely covered when not in use?	Yes ☒	No ☐	N/A☐
Containers are closed when not in use?	Yes ☒	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☒	No ☐	N/A☐
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☒	No ☐	N/A☐
If any issues noted, has Contractor been notified?	Yes ☒	No ☐	N/A☐
Comments: Drums/waste that currently exists at the site not related to the work GES/EEEC/DEC has done and has been determined to be the property owner's responsibility.			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Contract No.

DEC Insp. –

DEC PM – Donald Roe

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Site Location: Carriage Cleaners

Weather Conditions				
General Description	Indoor Work	AM	Indoor Work	PM
Temperature		AM		PM
Wind		AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Ergonomics and kneeling

Summary of Work Performed	Arrived at site:	1000	Departed Site:	1530

Seal floor cracks near SS-4

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Greg Ernst	GES	Technician	2

Equipment Description	Contractor/Vendor	Quantity	Used
	GES		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
na						

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
na		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
na	

Project Schedule Comments

NA

Issues Pending

NA

Interaction with Public, Property Owners, Media, etc.

NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
Photo log will be provided separately.	

Comments	
Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☐

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☒	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** Carriage Cleaners

Photo #:	1
Date:	04/26/2024
Direction:	West

Comments:

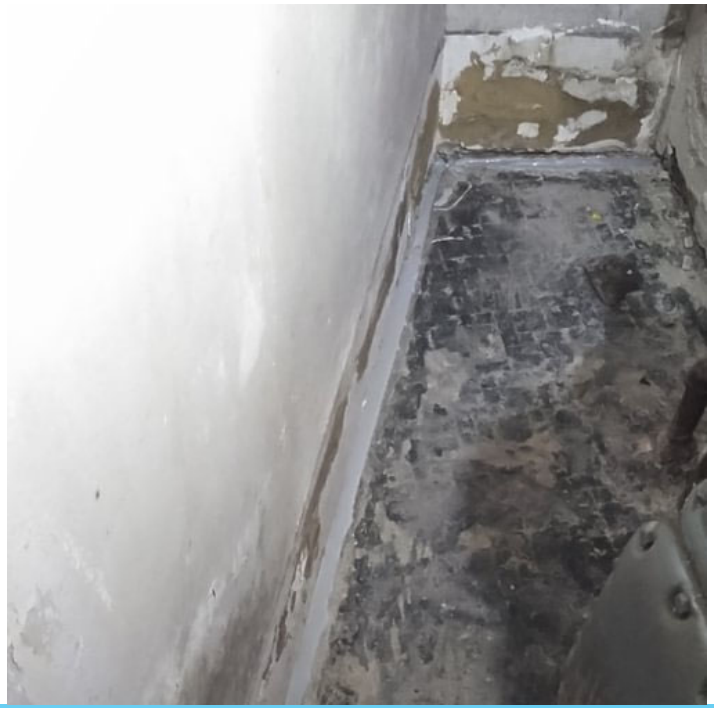
Backer bar in joint

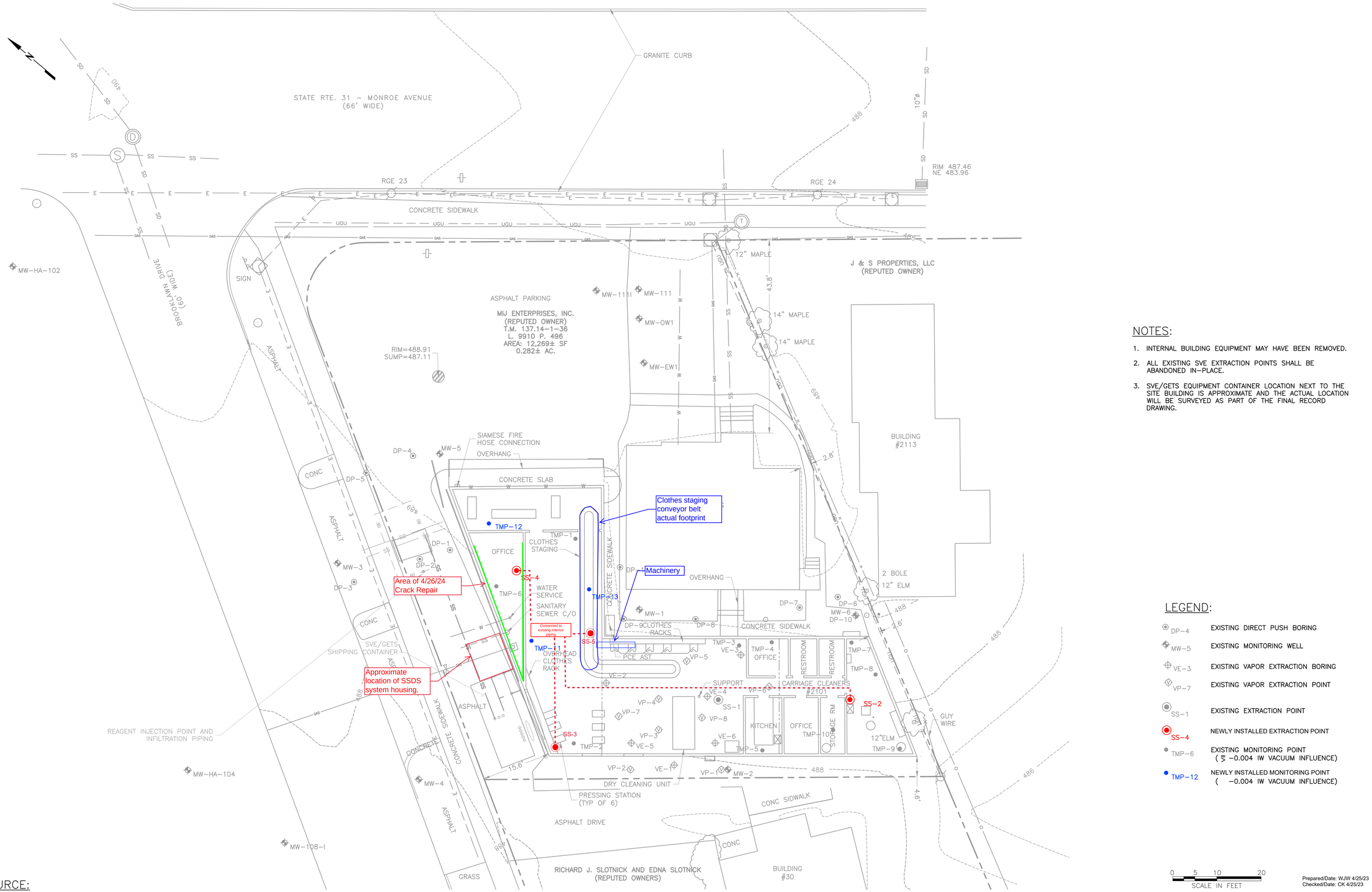
Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** Carriage Cleaners

Photo #:	2
Date:	04/26/2024
Direction:	West

Comments:

Sealant in joint





NOTES:

1. INTERNAL BUILDING EQUIPMENT MAY HAVE BEEN REMOVED.
2. ALL EXISTING SVE EXTRACTION POINTS SHALL BE ABANDONED IN–PLACE.
3. SVE/GETS EQUIPMENT CONTAINER LOCATION NEXT TO THE SITE BUILDING IS APPROXIMATE AND THE ACTUAL LOCATION WILL BE SURVEYED AS PART OF THE FINAL RECORD DRAWING.

LEGEND:

DP–4	EXISTING DIRECT PUSH BORING
MW–5	EXISTING MONITORING WELL
VE–3	EXISTING VAPOR EXTRACTION BORING
VP–7	EXISTING VAPOR EXTRACTION POINT
SS–1	EXISTING EXTRACTION POINT
SS–4	NEWLY INSTALLED EXTRACTION POINT
TMP–6	EXISTING MONITORING POINT (≷ –0.004 IW VACUUM INFLUENCE)
TMP–12	NEWLY INSTALLED MONITORING POINT (–0.004 IW VACUUM INFLUENCE)

SOURCE:

BASE SURVEY ADAPTED FROM FILE CARRIAGE_3DM.DWG BY POPLI CONSULTING ENGINEERS & SURVEYORS DATED MARCH 30, 2009.

0 5 10 20
SCALE IN FEET

Prepared/Date: WJW 4/25/23
Checked/Date: CK 4/25/23

MACTEC Engineering and Consulting, Inc.
P.O. Box 7050, 511 Congress Street
Portland, Maine 04112–7050
(207) 775–5401

CARRIAGE CLEANERS
BRIGHTON, NEW YORK

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Figure 1
System Extraction and Test Points

C:\Users\william.whitten\OneDrive – WSP\Projects\nysedec1\Carriage Cleaners\PSVI\Fig 2.1 SSDS.dwg Tue, 25 Apr 2023 – 8:12am william.whitten

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: Carriage Cleaners

Contract No.

DEC Insp. –

DEC PM – Donald Roe

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Weather Conditions

General Description		AM		PM
Temperature		AM		PM
Wind		AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

Pinch points, kneeling, slips, trips, and falls

Summary of Work Performed	Arrived at site:	**0845**	Departed Site:	**1530**

- System O&M, sealing cracks near SS-4

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Owen Ogiony	GES	Geologist	8
Steven Phipps	GES	Scientist	8

Equipment Description	Contractor/Vendor		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

Equipment/Material Tracking Comments:

Visitors to Site			
Name	**Representing**	**Entered Exclusion/CRZ Zone**	
NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives	
Name	**Representing**
NA	

Project Schedule Comments
NA

Issues Pending
NA

Interaction with Public, Property Owners, Media, etc.
NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
See separate photo log.	

Comments	

Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☒

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☒	No ☐	N/A☐
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☒	No ☐	N/A☐
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☒	No ☐	N/A☐
Piles are securely covered when not in use?	Yes ☒	No ☐	N/A☐
Containers are closed when not in use?	Yes ☒	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☒	No ☐	N/A☐
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☒	No ☐	N/A☐
If any issues noted, has Contractor been notified?	Yes ☒	No ☐	N/A☐
Comments: Drums/waste that currently exists at the site not related to the work GES/EEEC/DEC has done and has been determined to be the property owner's responsibility.			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** Carriage cleaner

Photo #:	1
Date:	05/03/2024
Direction:	A

Comments:

SS-4 without sealig

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** Carriage cleaner

Photo #:	2
Date:	05/03/2024
Direction:	A

Comments:

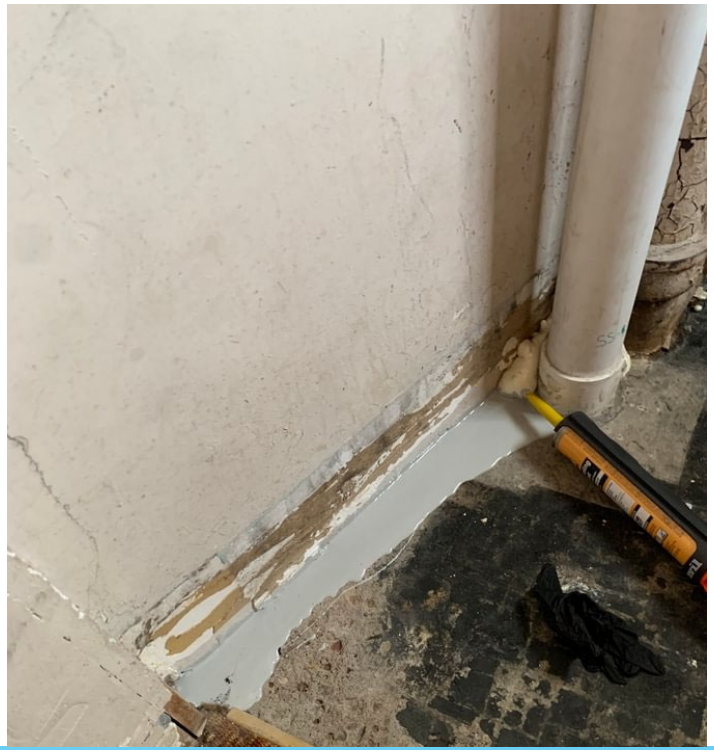
SS-4 with spray foam sealing

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** Carriage cleaner

Photo #:	3
Date:	05/03/2024
Direction:	A

Comments:

Sika flex. Self leveling seal on crack



DAILY INSPECTION REPORT - No. 022

(Site Name), Site No. 828120 **Date:** 5/6/24

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: Carriage Cleaners

Contract No.

DEC Insp. –

DEC PM – Donald Roe

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Weather Conditions

General Description	Indoor Work	AM	Indoor Work	PM
Temperature		AM		PM
Wind		AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Ergonomics and kneeling

Summary of Work Performed	Arrived at site:	0830	Departed Site:	1530

further SSDS testing and sealing floor crack near SS-4

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Owen Ogiony	GES		7

Equipment Description	Contractor/Vendor	Quantity	Used
	GES		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
na						

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
na		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
na	

Project Schedule Comments

NA

Issues Pending

NA

Interaction with Public, Property Owners, Media, etc.

NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
Photo log will be provided separately on 5/8/2024 DIR.	

Comments	
Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☐

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☒	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT - No. 023
(Site Name), Site No. 828120 5/8/24

Date:

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Contract No.

DEC Insp. –

DEC PM – Donald Roe

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Site Location: Carriage Cleaners

Weather Conditions				
General Description	Indoor Work	AM	Indoor Work	PM
Temperature		AM		PM
Wind		AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Ergonomics and kneeling

Summary of Work Performed	Arrived at site:	0830	Departed Site:	1530

further SSDS testing and sealing floor crack near SS-4

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Owen Ogiony	GES		7

Equipment Description	Contractor/Vendor	Quantity	Used
	GES		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
na						

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
na		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing
na	

Project Schedule Comments

NA

Issues Pending

NA

Interaction with Public, Property Owners, Media, etc.

NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
Photo log will be provided separately.	

Comments	
Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☐

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☒	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

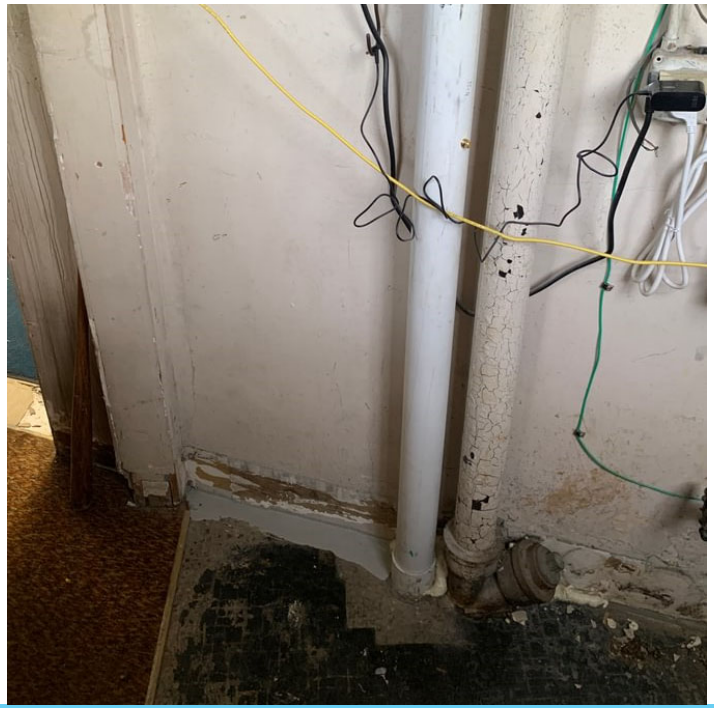
* BART – Best Available Retrofit Technology

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave

Photo #:	1
Date:	05/06/2024
Direction:	A
Comments: SS-3	

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave

Photo #:	2
Date:	05/06/2024
Direction:	A
Comments: SS-4	



Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave

Photo #:	3
Date:	05/06/2024
Direction:	A

Comments:

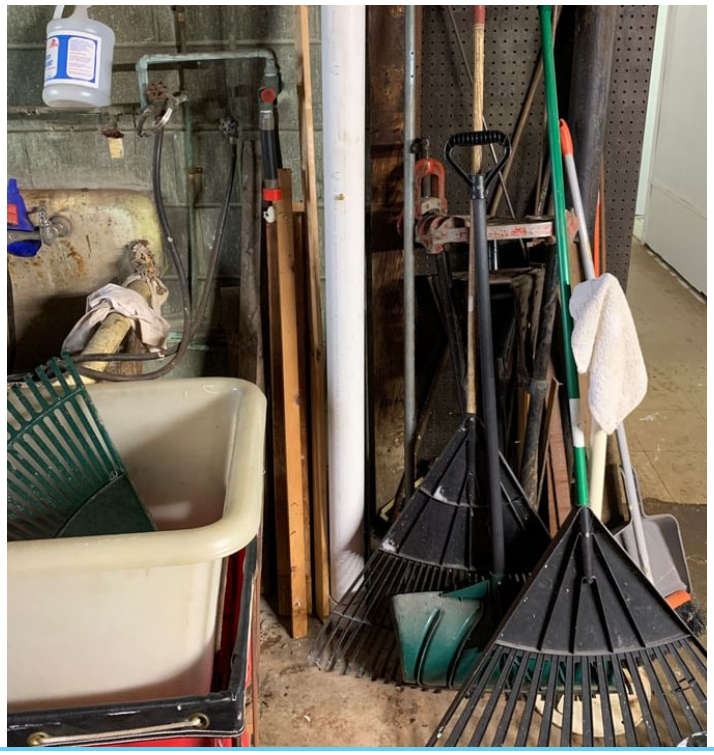
SS-4 additional floor sealing

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave

Photo #:	4
Date:	05/06/2024
Direction:	A

Comments:

SS-2



Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave

Photo #:	5
Date:	05/06/2024
Direction:	A

Comments:

Ss-1

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave

Photo #:	6
Date:	05/06/2024
Direction:	A

Comments:

SS-5

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave

Photo #:	7
Date:	05/06/2024
Direction:	A

Comments:

SS-4 foam and self leveling crack sealant

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave

Photo #:	8
Date:	05/08/2024
Direction:	A

Comments:

System and enclosure

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave

Photo #:	9
Date:	05/08/2024
Direction:	A

Comments:

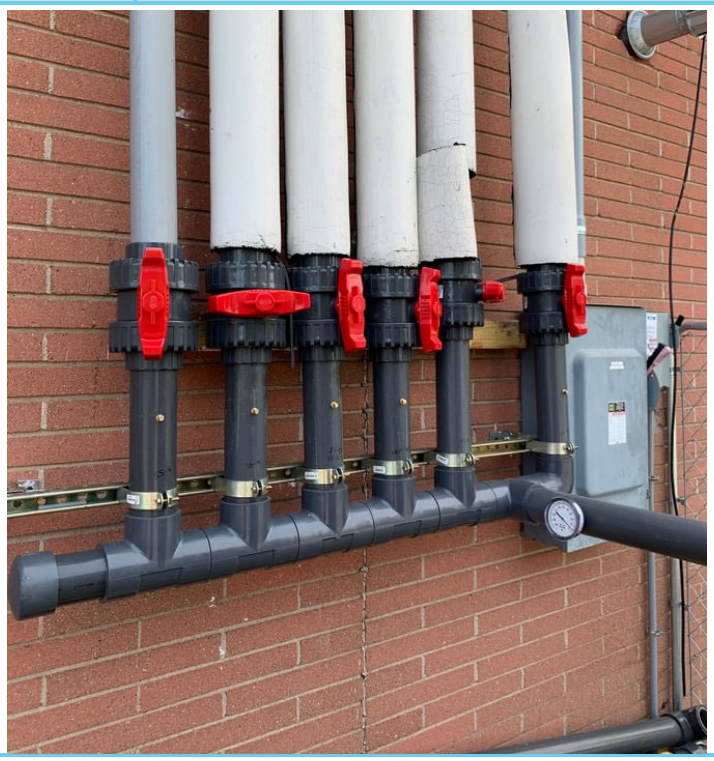
System enclosure

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave

Photo #:	10
Date:	05/08/2024
Direction:	A

Comments:

Manifold with pressure gauge and electrical box



Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave

Photo #:	11
Date:	05/08/2024
Direction:	A

Comments:

System control box with emergency shutoff

DAILY INSPECTION REPORT - No. 2024

(Site Name), Site No. XXXXXX 5/23/24 Site #828120

Date: 5/23/2024

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Contract No.

DEC Insp. –

DEC PM – Charles Gregory

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Site Location: Carriage Cleaners

Weather Conditions

General Description	warm, clear	AM	warm, clear	PM
Temperature	70	AM	75	PM
Wind	Light to moderate	AM	light	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

Skidsteer use, make sure to spot, do not stand right in front in case the load falls off skidsteer, other personnel stay away from skidsteer watch for traffic approaching site to stop them, cone off the area to warn of the work. Carriage has a very busy street, be sure to cone the area by the truck and skidsteer path to warn of work.

Summary of Work Performed	Arrived at site:	1000	Departed Site:	**1145**

Loaded and transported concrete blocks from Dinaburg site to Carriage and placed north of the system gate to protect the system from onsite traffic. Placed cones and flags temporarily around the concrete blocks until a permanent visibility solution can be identified to ensure blocks are seen and visible to drivers onsite.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Nicole Lindner	GES	Staff Hydrogeologist	1.75
Eric Hamman	TREC	Skidsteer operator	1.25
Nick Sherman	TREC	Spotter and helper	1.25

Equipment Description	Contractor/Vendor	Quantity	Used
NA	TREC Equipment (Skidsteer, transport truck and truck With trailer are handled via solicitation and billing		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
NA						

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

NA

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
NA		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing
NA	

Project Schedule Comments

NA

Issues Pending

A more permanent visibility solution will be needed for concrete block visibility.

Interaction with Public, Property Owners, Media, etc.

Checked in and out with Carriage property rep. The property owners at Dianburg and the Carriage property owner were emailed to notify before work started.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
See photo log provided via email.	

Comments	
Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☐

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☐	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☐
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☐
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☐	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☐
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☐
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☐
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☐
Containers are closed when not in use?	Yes ☐	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☐
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☐
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☐
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☐	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☐	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☐
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☐
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☐
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☐
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☐
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☐
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☐
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☐
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☐
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☐
Is work being sequenced to avoid double handling?	Yes ☐	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☐
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☐
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☐
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☐
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☐
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☐
Comments:			

* BART – Best Available Retrofit Technology

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave

Photo #:	1
Date:	05/23/2024
Direction:	South

Comments:

Block placement

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave

Photo #:	2
Date:	05/23/2024
Direction:	Southwest

Comments:

Block placement

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: Carriage Cleaners

Contract No.

DEC Insp. –

DEC PM – Donald Roe

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Weather Conditions

General Description	Indoors	AM	Indoors	PM
Temperature		AM		PM
Wind		AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

Slips, trips, and falls

Summary of Work Performed	Arrived at site:	**0700**	Departed Site:	**1645**

- Onsite for indoor and outdoor air sampling
- Perform confirmatory round of SSDS testing prior to sampling

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Owen Ogiony	GES	Geologist	9.25

Equipment Description	Contractor/Vendor		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

Equipment/Material Tracking Comments:

Visitors to Site			
Name	**Representing**	**Entered Exclusion/CRZ Zone**	
NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives	
Name	**Representing**
NA	

Project Schedule Comments
NA

Issues Pending
NA

Interaction with Public, Property Owners, Media, etc.
NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
No photos taken.	

Comments	

Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☒

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☒	No ☐	N/A☐
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☒	No ☐	N/A☐
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☒	No ☐	N/A☐
Piles are securely covered when not in use?	Yes ☒	No ☐	N/A☐
Containers are closed when not in use?	Yes ☒	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☒	No ☐	N/A☐
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☒	No ☐	N/A☐
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: Drums/waste that currently exists at the site not related to the work GES/EEEC/DEC has done and has been determined to be the property owner's responsibility.			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Contract No.

DEC Insp. –

DEC PM – Charles Gregory

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Site Location: Carriage Cleaners

Weather Conditions

General Description	Indoor Work	AM	Indoor Work	PM
Temperature		AM		PM
Wind		AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

Slips trips and falls. Hand tools.

Summary of Work Performed	Arrived at site:	**0830**	Departed Site:	**1530**

- Remove old seal from floor joints in triangle room behind the front desk
- Cleaned area where new seal is going with concrete cleaners
- Used spray foam and self leveling sealant to seal floor joints

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Peter Lyon	GES	Technician	9.5
Nicole Linder	GES	Geologist	2.0

Equipment Description	Contractor/Vendor	Quantity	Used

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
NA	

Project Schedule Comments

NA

Issues Pending

NA

Interaction with Public, Property Owners, Media, etc.

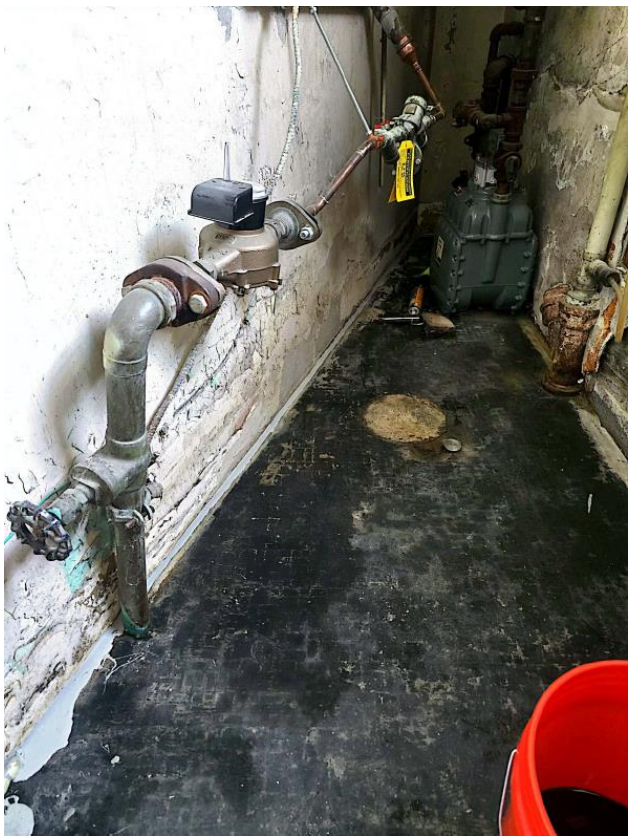
NA

Include (insert) figures with markups showing location of work and job progress

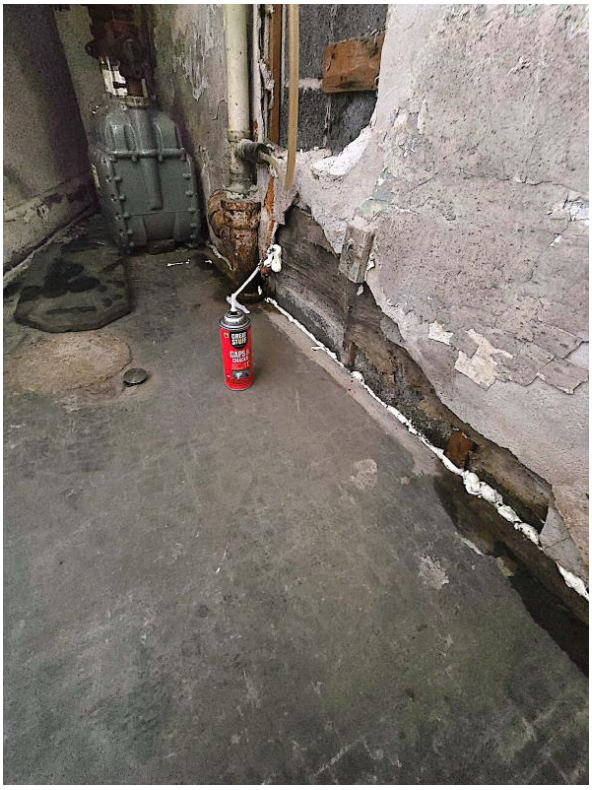
Site Photographs (Descriptions Below)

Caulking along wall.

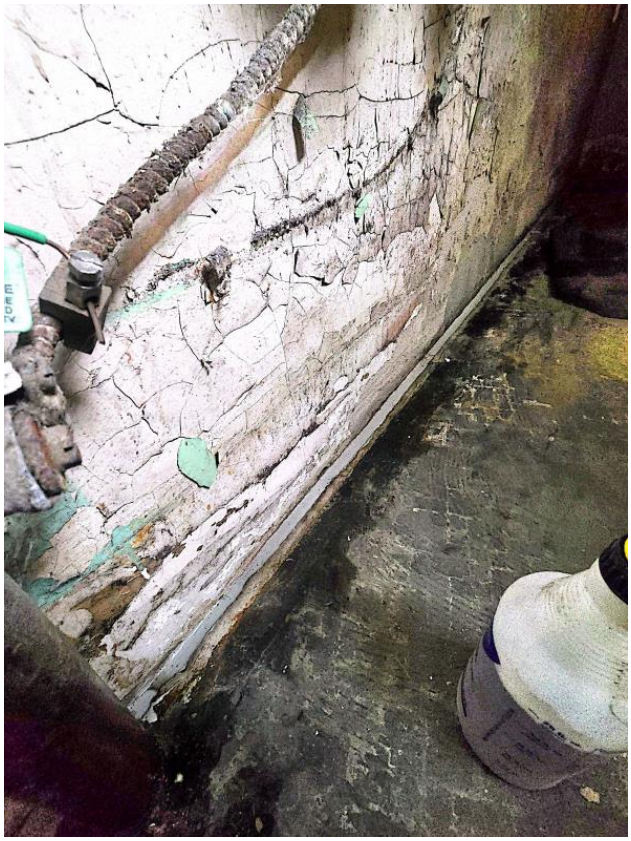
Caulking along room edges.



Caulking along room edge.



Caulking along room edge.

	
Caulking along room edge.	See attached figure for location of crack repairs

Comments	
Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☒

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☐	No ☐	N/A☒
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☒	No ☐	N/A☐
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: Drums/waste that currently exists at the site not related to the work GES/EEEC/DEC has done and has been determined to be the property owner's responsibility.			

NUISANCE CHECKLIST

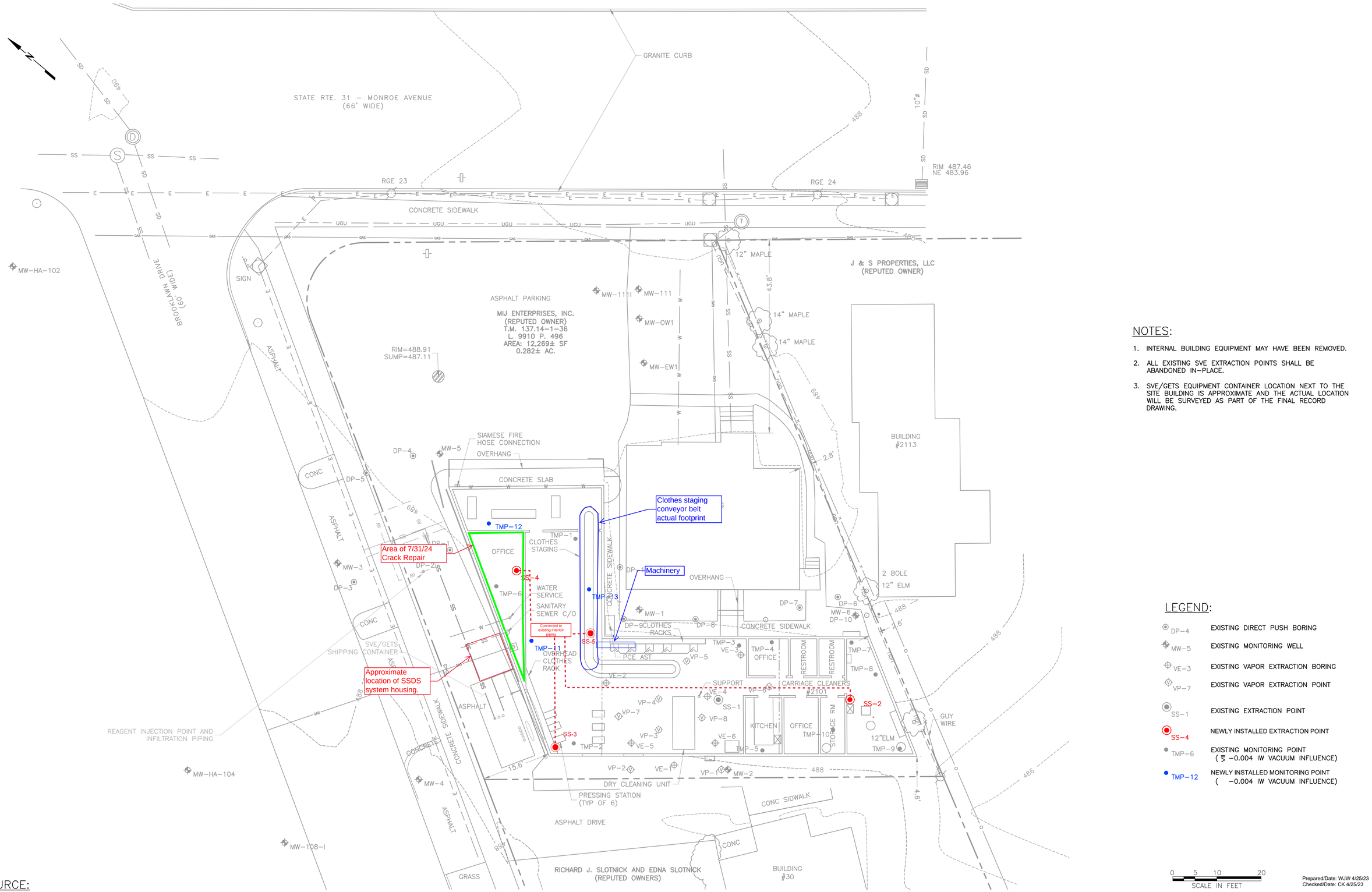
Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology



NOTES:

1. INTERNAL BUILDING EQUIPMENT MAY HAVE BEEN REMOVED.
2. ALL EXISTING SVE EXTRACTION POINTS SHALL BE ABANDONED IN–PLACE.
3. SVE/GETS EQUIPMENT CONTAINER LOCATION NEXT TO THE SITE BUILDING IS APPROXIMATE AND THE ACTUAL LOCATION WILL BE SURVEYED AS PART OF THE FINAL RECORD DRAWING.

LEGEND:

DP–4	EXISTING DIRECT PUSH BORING
MW–5	EXISTING MONITORING WELL
VE–3	EXISTING VAPOR EXTRACTION BORING
VP–7	EXISTING VAPOR EXTRACTION POINT
SS–1	EXISTING EXTRACTION POINT
SS–4	NEWLY INSTALLED EXTRACTION POINT
TMP–6	EXISTING MONITORING POINT (≷ –0.004 IW VACUUM INFLUENCE)
TMP–12	NEWLY INSTALLED MONITORING POINT (–0.004 IW VACUUM INFLUENCE)

SOURCE:

BASE SURVEY ADAPTED FROM FILE CARRIAGE_3DM.DWG BY POPLI CONSULTING ENGINEERS & SURVEYORS DATED MARCH 30, 2009.

0 5 10 20
SCALE IN FEET

Prepared/Date: WJW 4/25/23
Checked/Date: CK 4/25/23

MACTEC

MACTEC Engineering and Consulting, Inc.
P.O. Box 7050, 511 Congress Street
Portland, Maine 04112–7050
(207) 775–5401

CARRIAGE CLEANERS
BRIGHTON, NEW YORK

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Figure 1
System Extraction and Test Points

C:\Users\william.whitten\OneDrive – WSP\Projects\Projects\Carriage Cleaners\PSSV\Fig 2.1 SSDS.dwg Tue, 25 Apr 2023 – 8:12am william.whitten

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: Carriage Cleaners

Contract No.

DEC Insp. –

DEC PM – Charles Gregory

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Weather Conditions

General Description	Indoor Work	AM	Indoor Work	PM
Temperature		AM		PM
Wind		AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

Slips trips and falls. Dealing with public, parking lot safety.

Summary of Work Performed	Arrived at site:	**0800**	Departed Site:	**1245**

- Conduct PPBrae screening of new seal in triangle room.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Brandon Mikolin	GES	Geologist	6.25

Equipment Description	Contractor/Vendor	Quantity	Used
PPBrae		1	8/7/24

Name	Representing	Entered Exclusion/CRZ Zone	
NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
NA	

Project Schedule Comments

NA

Issues Pending

NA

Interaction with Public, Property Owners, Media, etc.

NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
No photos taken	

Comments	
Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☒

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☐	No ☐	N/A☒
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☒	No ☐	N/A☐
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: Drums/waste that currently exists at the site not related to the work GES/EEEC/DEC has done and has been determined to be the property owner's responsibility.			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: Carriage Cleaners

Contract No.

DEC Insp. –

DEC PM – Charles Gregory

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Weather Conditions

General Description	Indoor Work	AM	Indoor Work	PM
Temperature		AM		PM
Wind		AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

Slips trips and falls. Dealing with public, parking lot safety.

Summary of Work Performed	Arrived at site:	**1415**	Departed Site:	**1515**

- Complete critical equipment checklist and check haz drums. Drums are still present.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Owen Ogiony	GES	Geologist	2.5

Equipment Description	Contractor/Vendor		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
NA	

Project Schedule Comments

NA

Issues Pending

NA

Interaction with Public, Property Owners, Media, etc.

NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
Haz drums on site.	Three by 20 gallon stacked empty drums containing residue.

Comments	
Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☒

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☐	No ☐	N/A☒
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☒	No ☐	N/A☐
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: Drums/waste that currently exists at the site not related to the work GES/EEEC/DEC has done and has been determined to be the property owner's responsibility.			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: Carriage Cleaners

Contract No.

DEC Insp. –

DEC PM – Charles Gregory

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Weather Conditions

General Description	Indoor Work	AM	Indoor Work	PM
Temperature		AM		PM
Wind		AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

Slips trips and falls. Dealing with public, parking lot safety.

Summary of Work Performed	Arrived at site:	**0830**	Departed Site:	**1515**

- Vapor Sampling – Indoor Air PCE testing

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Owen Ogiony	GES	Geologist	8.5
Nicole Linder	GES	Geologist	4.5

Equipment Description	Contractor/Vendor		
PPBrae		1	

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone

NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	**Representing**
NA	

Project Schedule Comments

NA

Issues Pending

NA

Interaction with Public, Property Owners, Media, etc.

NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
See photo log	

Comments	
Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☒

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☐	No ☐	N/A☒
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☒	No ☐	N/A☐
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: Drums/waste that currently exists at the site not related to the work GES/EEEC/DEC has done and has been determined to be the property owner's responsibility.			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

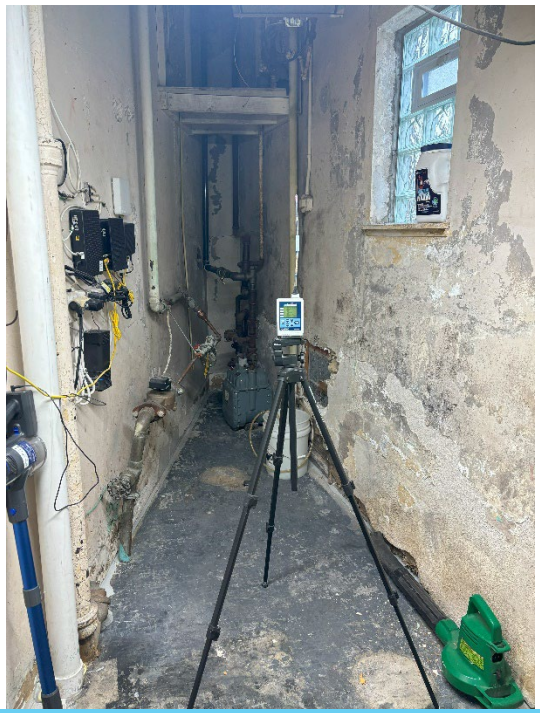
* BART – Best Available Retrofit Technology

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	1
Date:	11/15/2024
Direction:	

Comments:

Sample Location: IA-TP-1A



Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	2
Date:	11/15/2024
Direction:	

Comments:

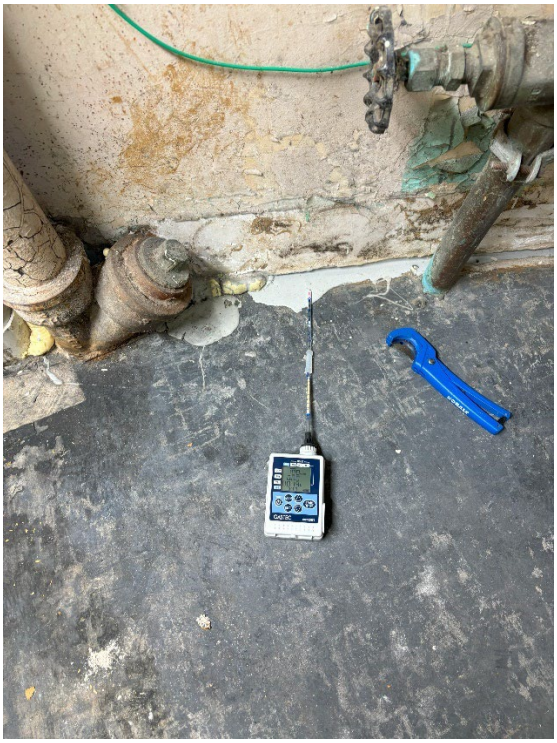
Sample IA-TP-1A Result: Non-Detect (ND). Yellow is the default color of the reagent. When Tetrachloroethylene reacts with the reagent it turns purple. The measuring range of the tube is 20-300 micrograms per cubic meter ($\mu g/m^3$).

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	3
Date:	11/15/2024
Direction:	W

Comments:

Sample Location: IA-TP-2A

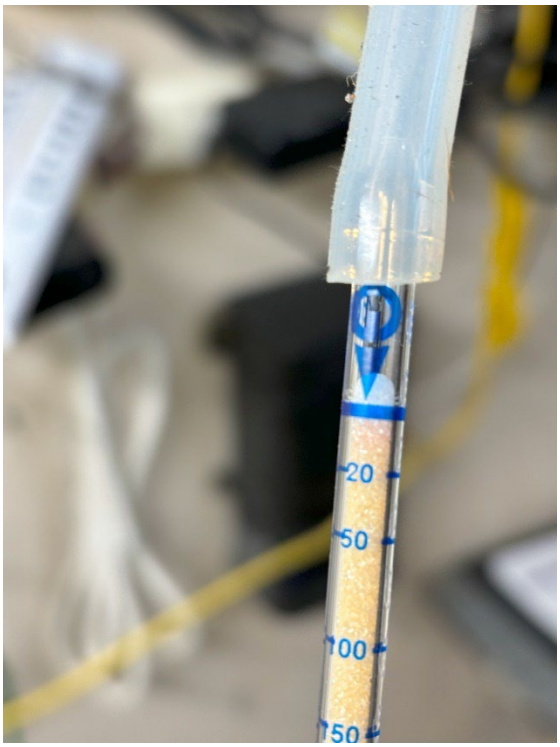


Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	4
Date:	11/15/2024
Direction:	

Comments:

Sample IA-TP-2A Result: ND



Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	5
Date:	11/15/2024
Direction:	

Comments:

Sample Location: IA-TP-3A

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	6
Date:	11/15/2024
Direction:	

Comments:

Sample IA-TP-3A Result: ND

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	7
Date:	11/15/2024
Direction:	

Comments:

Sample Location: IA-TP-4A

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	8
Date:	11/15/2024
Direction:	

Comments:

Sample IA-TP-4A Result: ND

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	9
Date:	11/15/2024
Direction:	

Comments:

Drums located in back utility room. Left to right: 2 x unused 20-Gal drum, 1 x 55-Gal drum containing dry cleaning filters, 1 x 15-Gal drum containing Streets Textile supplement, 1 x 55-Gal drum containing Streets Textile supplement, and 3 x 20-Gal Lab Pack Drums containing residual waste.

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	10
Date:	11/15/2024
Direction:	

Comments:

55-Gal Granular Activated Carbon (GAC) drum in back utility room.

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	11
Date:	11/15/2024
Direction:	

Comments:

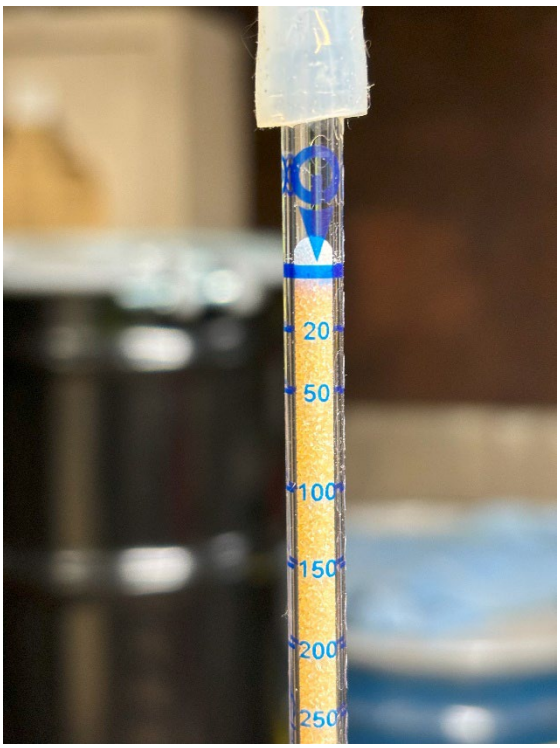
Sample Location: IA-TP-5A

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	12
Date:	11/15/2024
Direction:	

Comments:

Sample IA-TP-5A Result: ND



Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	13
Date:	11/15/2024
Direction:	

Comments:

Sample Location: IA-TP-1B

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	14
Date:	11/15/2024
Direction:	

Comments:

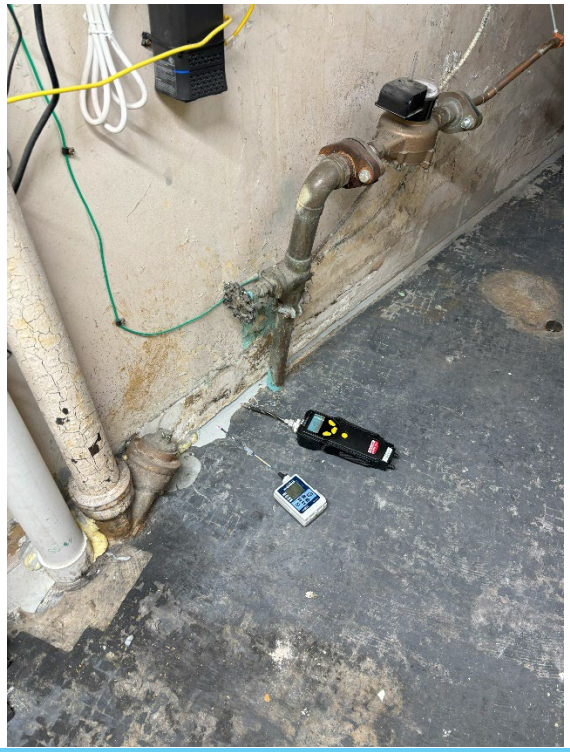
Sample IA-TP-1B Result: ND

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	15
Date:	11/15/2024
Direction:	

Comments:

Sample Location: IA-TP-2B



Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	16
Date:	11/15/2024
Direction:	

Comments:

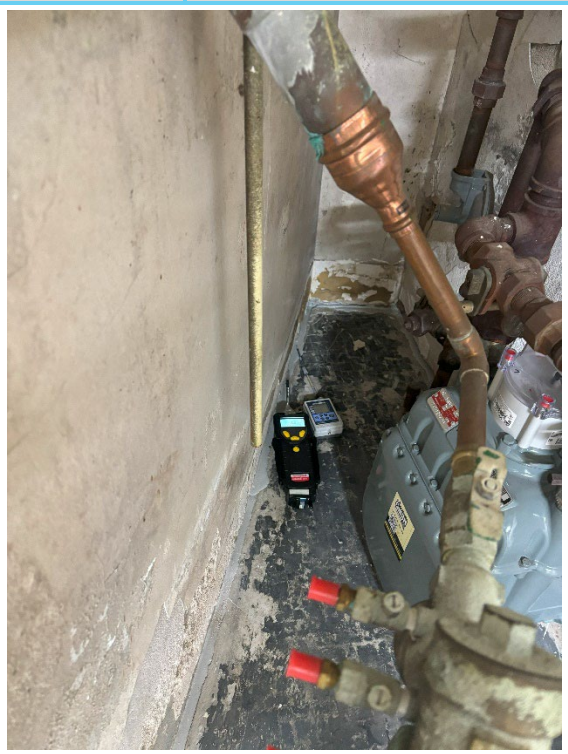
Sample IA-TP-2B Result: ND

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	17
Date:	11/15/2024
Direction:	

Comments:

Sample Location: IA-TP-3B



Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	18
Date:	11/15/2024
Direction:	

Comments:

Sample IA-TP-3B Result: ND

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	19
Date:	11/15/2024
Direction:	

Comments:

Sample Location: IA-TP-4B

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	20
Date:	11/15/2024
Direction:	

Comments:

Sample IA-TP-4B Result: ND

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	21
Date:	11/15/2024
Direction:	

Comments:

Sample IA-TP-5B Result: ND.
No location photo taken.
Same location as IA-TP-5A.

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: Carriage Cleaners

Contract No.

DEC Insp. –

DEC PM – Donald Roe

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Weather Conditions

General Description	Indoor Work	AM	Indoor Work	PM
Temperature		AM		PM
Wind		AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

Slips trips and falls. Dealing with public, parking lot safety.

Summary of Work Performed	Arrived at site:	**1415**	Departed Site:	**1445**

- Back room check and system restart photos

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Peter Lyon	GES	Technician	1

Equipment Description	Contractor/Vendor		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone

NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	**Representing**
NA	

Project Schedule Comments

NA

Issues Pending

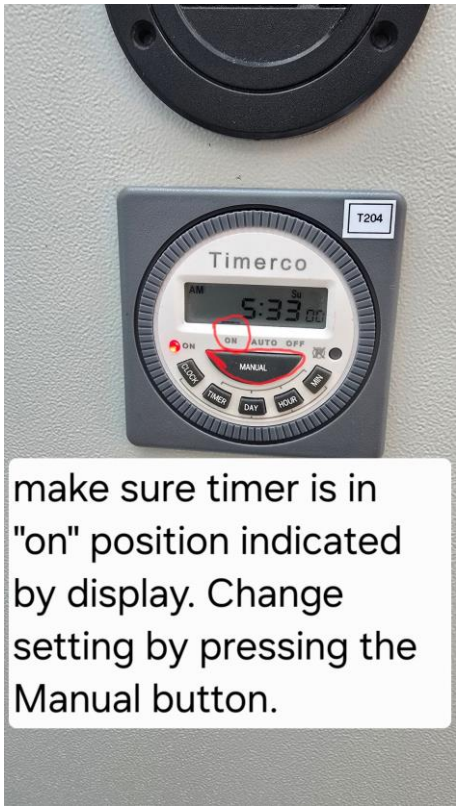
NA

Interaction with Public, Property Owners, Media, etc.

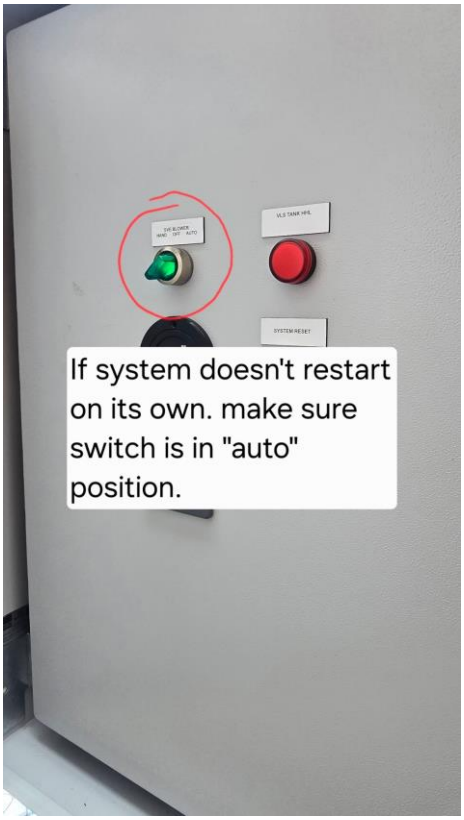
NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)



System timer instructions.



System instructions.

System restart instructions.

Back room chemical inventory.

Comments	

Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☒

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☐	No ☐	N/A☒
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☒	No ☐	N/A☐
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: Drums/waste that currently exists at the site not related to the work GES/EEEC/DEC has done and has been determined to be the property owner's responsibility.			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Contract No.

DEC Insp. –

DEC PM – Charles Gregory

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Site Location: Carriage Cleaners

Weather Conditions

General Description	clear	AM	clear	PM
Temperature	18	AM	23	PM
Wind	11 mph, E	AM	15 mph, E	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

Icey, slip trip and fall risk when outside. Plan path, and watch footing to avoid ice and avoid slipping on ice or snow.

Summary of Work Performed	Arrived at site:	**0715**	Departed Site:	**1700**

-Collect indoor air samples
-CE Check on system

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Owen Ogiony	GES	Geologist	9.25

Equipment Description	Contractor/Vendor	Quantity	Used
SUMMA Canisters	Pace – HANDLED VIA CALLOUT WITH PACE		
PpbRAE	Pine	1	1

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
NA						

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

As noted, Pace is contracted via a separate callout to DEC.

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
NA		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing
NA	

Project Schedule Comments

NA

Issues Pending

Waste from the property owner remains onsite.

Interaction with Public, Property Owners, Media, etc.

Checked in and out with Carriage property rep/customer service rep. The Carriage property owner was emailed to notify before work started and has been in discussion with DEC regarding the waste in the back utility room.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
Photo log will be provided separately.	

Comments	
Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☐

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☒	N/A☐
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☒	N/A☐
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☒	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: Drums/waste that currently exists at the site not related to the work GES/EEEC/DEC has done and has been determined to be the property owner's responsibility.			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	1
Date:	1/14/2025
Direction:	E

Comments:

View of sample location: IA-1 and DUP

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	2
Date:	1/14/2025
Direction:	SW

Comments:

View of sample location: IA-2

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	3
Date:	1/14/2025
Direction:	SE

Comments:

View of sample location: IA-3

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	4
Date:	1/14/2025
Direction:	SE

Comments:

View of sample location: Outdoor

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: Carriage Cleaners

Contract No.

DEC Insp. –

DEC PM – Donald Roe

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Weather Conditions

General Description	Indoor Work	AM	Indoor Work	PM
Temperature		AM		PM
Wind		AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

Slips trips and falls, situational awareness.

Summary of Work Performed	Arrived at site:	**1345**	Departed Site:	**1415**

- Photograph VE-2 and VE-4 and note any well abandonment issues that may arise.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Peter Lyon	GES	Technician	1

Equipment Description	Contractor/Vendor		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone

NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	**Representing**
NA	

Project Schedule Comments

NA

Issues Pending

NA

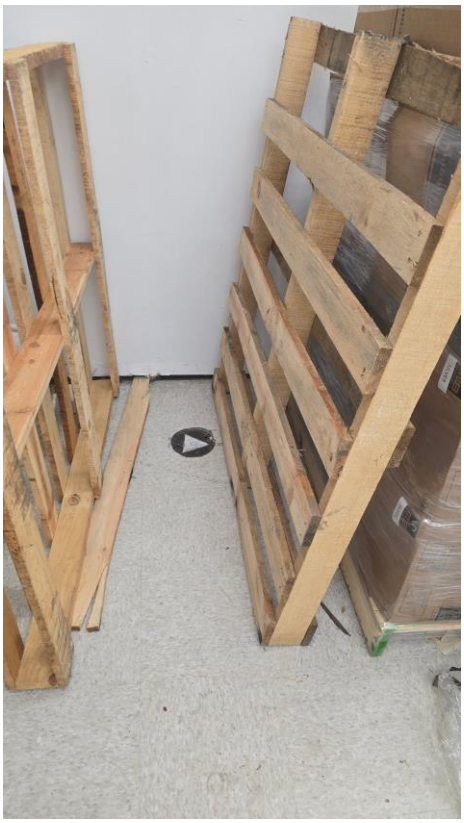
Interaction with Public, Property Owners, Media, etc.

NA

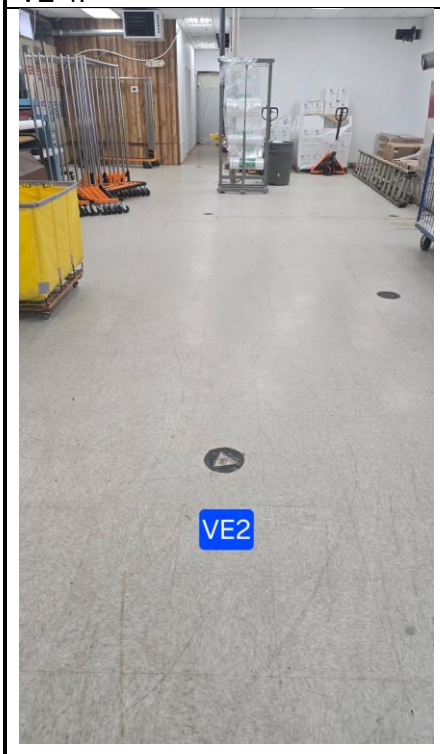
Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)

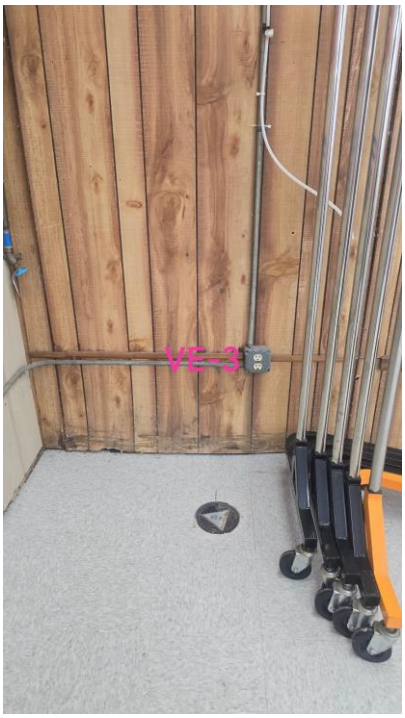
VE-4.



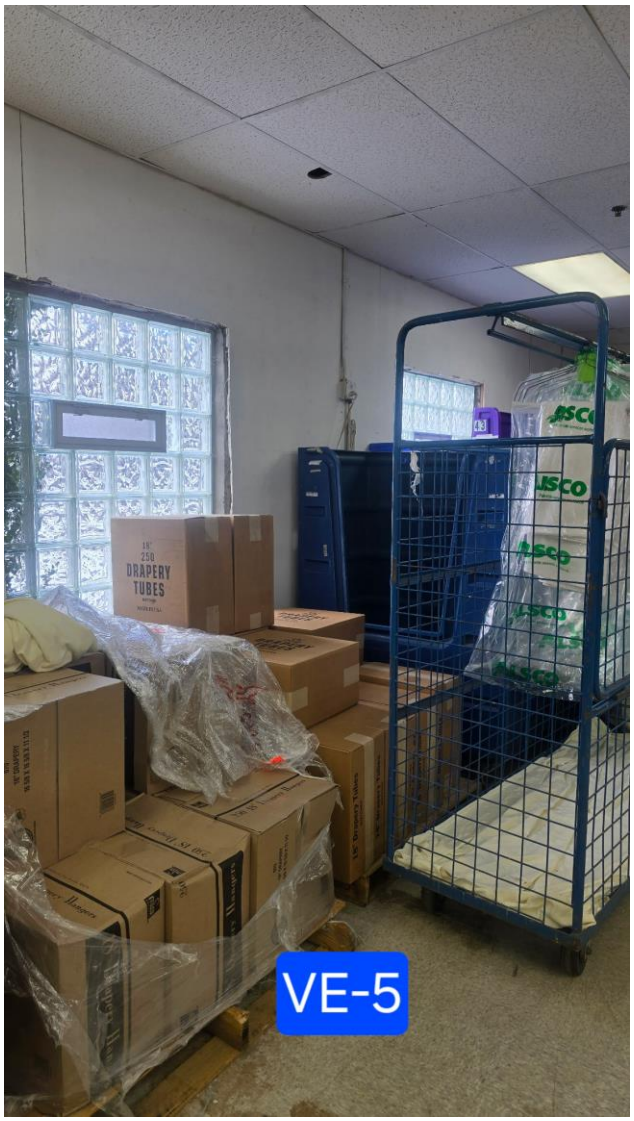
VE-6.



VE-2.



VE-3.

	
VE-5	

Comments	
Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☒

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☐	No ☐	N/A☒
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☒	No ☐	N/A☐
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: Drums/waste that currently exists at the site not related to the work GES/EEEC/DEC has done and has been determined to be the property owner's responsibility.			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT - No. 033

(Site Name), Site No. XXXXXX 3/18/25 Site #828120 3/18/2025 **Date: MM/DD/YYYY**

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Contract No.

DEC Insp. –

DEC PM –

Contractor Supt. –

Engineer PM –

Engineer Insp. –

Site Location: 2101 Market St Cleaners Carriage Cleaners

Weather Conditions

General Description	Sunny	AM		PM
Temperature	40's	AM		PM
Wind	5 mph	AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	(No)	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	(NA)
Were there any nuisance issues reported/observed on this date?	*Yes	(No)	NA

Health & Safety Comments

Summary of Work Performed	Arrived at site	0945	Departed Site:	1545

Abandonment of VE wells 1-5

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	(No)	NA
Were there any vehicles which were not tarped?	* Yes	(No)	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	(No)	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours
Peter Lyon	GES	T3 Technician	10

Equipment Description	Contractor/Vendor	Quantity	Used

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
Peter Lyon	GES	Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing

Project Schedule Comments

Abandoned all "VE" wells 1-6 completed 3/18/25

Issues Pending

Interaction with Public, Property Owners, Media, etc.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
See photo log.	

Comments	
Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☐

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☑	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☑
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☑
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☐	No ☐	N/A☑
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☑
Containers are in good condition or properly overpacked?	Yes ☐	No ☐	N/A☑
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☑
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☑
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☑
Containers are closed when not in use?	Yes ☐	No ☐	N/A☑
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☑
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☑
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☐
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☑	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☑	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☑	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☑	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☑	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☑	N/A☐
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☑
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☑	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☑
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☑
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☑
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☐
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☐
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☐
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☐
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☐
Is work being sequenced to avoid double handling?	Yes ☐	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☐
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☐
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☐
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☐
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☐
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☐
Comments:			

* BART – Best Available Retrofit Technology

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** Carriage Cleaners

Photo #:	1
Date:	03/18/2025
Direction:	Na
Comments: Bag of bentonite chips (front)	

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** Carriage Cleaners

Photo #:	2
Date:	03/18/2025
Direction:	Na
Comments: Back of bentonite chips (back)	

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** Carriage Cleaners

Photo #:	3
Date:	03/18/2025
Direction:	Na

Comments:

VE-1 after abandonment.

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** Carriage Cleaners

Photo #:	4
Date:	03/18/2025
Direction:	na

Comments:

VE-2 after abandonment.

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** Carriage Cleaners

Photo #:	5
Date:	03/18/2025
Direction:	

Comments:

VE-3 after abandonment.

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** Carriage Cleaners

Photo #:	6
Date:	03/18/2025
Direction:	na

Comments:

VE-4 after abandonment.

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** Carriage Cleaners

Photo #:	7
Date:	03/18/2025
Direction:	na

Comments:

VE-5 after abandonment.

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** Carriage Cleaners

Photo #:	8
Date:	03/18/2025
Direction:	na

Comments:

VE-6 after abandonment.

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: Carriage Cleaners

Contract No.

DEC Insp. –

DEC PM – Donald Roe

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Weather Conditions

General Description	Indoor Work	AM		PM
Temperature		AM		PM
Wind		AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

Slips trips and falls.

Summary of Work Performed	Arrived at site:	**1330**	Departed Site:	**1400**

- SSDS system reset and CE checks.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Peter Lyon	GES	Technician	1

Equipment Description	Contractor/Vendor		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone

NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	**Representing**
NA	

Project Schedule Comments

NA

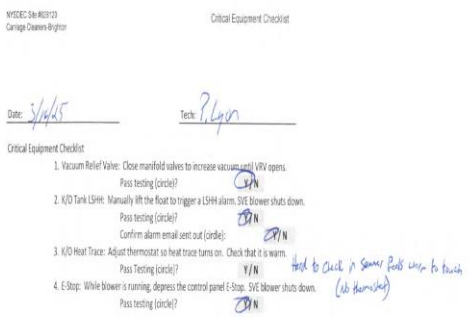
Issues Pending

NA

Interaction with Public, Property Owners, Media, etc.

NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
 NYSDEC Site #828120 Carriage Cleaners Brighton Critical Equipment Checklist Date: 5/14/25 Tech: P. Lyon Critical Equipment Checklist 1. Vacuum Relief Valve: Close manifold valves to increase vacuum until VRV opens. Pass testing (circle)? Y/N 2. K/D Tank LSHH: Manually lift the float to trigger a LSHH alarm. SVE blower shuts down. Pass testing (circle)? Y/N Confirm alarm email sent out (circle): Y/N 3. K/D Heat Trace: Adjust thermostat so heat trace turns on. Check that it is warm. Pass Testing (circle)? Y/N hard to check if sensor pads warm to touch (ok thermistor) 4. E-Stop: While blower is running, depress the control panel E-Stop. SVE blower shuts down. Pass testing (circle)? Y/N	
System CE checklist.	

Comments	
Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☒

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☐	No ☐	N/A☒
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☒	No ☐	N/A☐
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: Drums/waste that currently exists at the site not related to the work GES/EEEC/DEC has done and has been determined to be the property owner's responsibility.			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Contract No.

DEC Insp. –

DEC PM – Donald Roe

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Site Location: Carriage Cleaners

Weather Conditions

General Description	Indoors	AM	Indoors	PM
Temperature		AM		PM
Wind		AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

Hand tool use

Summary of Work Performed	Arrived at site:	**1330**	Departed Site:	**1430**

- Install manometer at SS-4 and turn off heat trace.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Peter Lyon	GES	Technician	2

Equipment Description	Contractor/Vendor		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone

NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	**Representing**
NA	

Project Schedule Comments

NA

Issues Pending

NA

Interaction with Public, Property Owners, Media, etc.

NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
No photos taken.	

Comments	

Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☒

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☐	No ☐	N/A☒
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☒	No ☐	N/A☐
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: Drums/waste that currently exists at the site not related to the work GES/EEEC/DEC has done and has been determined to be the property owner's responsibility.			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

DIR No.: 035
Date: 5/27/25
Site #828120

DAILY INSPECTION REPORT

Report No - NYSDEC Site No. Date:

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

NYSDEC Site No. 826021
Superintendent:
NYSDEC PM:
Consultant PM: Nicole Lindner
Consultant Site Inspectors:
Owen Ogiony

Site Location: Carriage Cleaners

Weather Conditions

General Description	Sunny	AM	Cloudy	PM
Temperature	60	AM	70s	PM
Wind	6 ESE	AM	6 E	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	(No)	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	(NA)
Were there any nuisance issues reported/observed on this date?	*Yes	(No)	NA

Health & Safety Comments

No Confined Space entry

Summary of Work Performed	Arrived at site:	0800	Departed Site:	1530

EW-1: Abandonment, vault removal, flowable fill placement

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	(NA)
Were there any vehicles which were not tarped?	* Yes	No	(NA)
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	(NA)

Personnel and Equipment

Individual	Company	Trade	Total Hours
Owen Ogiony	GES	Contractor	0800 - 1530
Nick Ander	~~Trec~~ Matrix	Sub	0800 - 1430
Pat Bick	~~Trec~~		0800 - 1530
Adam Naivelle	~~Trec~~ EEG	Eng.	0745 - 1530

DIR No.: 035
Date: 5/27/25
Site #828120

DAILY INSPECTION REPORT

Report No - NYSDEC Site No. Date:

Equipment Description	Contractor/Vendor	Quantity	Used
Support Truck	Matrix	1	1
Grout Pump	↓	1	1
Jackhammer		1	1
Compressor		1	1

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
Flowable Fill	X		NA	Cranesville Block	1	~3 cyd.

*On-Site scale for off-site shipment, delivery ticket for material received

DIR No.: 035
Date: 5/27/25
Site #828120

DAILY INSPECTION REPORT

Report No - NYSDEC Site No. Date:

Equipment/Material Tracking Comments:

NA

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

NA

Site Representatives

Name	Representing

Project Schedule Comments

Return 5/29 for Compaction & Seeding

Issues Pending

Interaction with Public, Property Owners, Media, etc.

DIR No.: 035
Date: 5/27/25
Site #828120

DAILY INSPECTION REPORT
Report No **- NYSDEC Site No.** Date:

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☒
If Yes to <u>any</u> of 1-4 above: • If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
Comments:		

DIR No.: 035
Date: 5/27/25
Site #828120

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A ☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☒
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A ☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A ☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A ☒
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A ☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A ☐
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☒
Comments:			

DIR No.: 036
Date: 5/26/25
Site #828120

DAILY INSPECTION REPORT

Report No - NYSDEC Site No. Date:

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

NYSDEC Site No. 826021
Superintendent:
NYSDEC PM:
Consultant PM: Nicole Lindner
Consultant Site Inspectors:
Owen Ogiony

Site Location: NYSDEC - Carriage Cleaners

Weather Conditions

General Description	SU	AM	X	PM
Temperature	Cloudy	AM		PM
Wind	Still	AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	(No)	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	(NA)
Were there any nuisance issues reported/observed on this date?	*Yes	(No)	NA

Health & Safety Comments

NA

Summary of Work Performed | Arrived at site: 0800 | Departed Site: 1015

Stone Placement / Compaction, Top Soil Placement, Seed Spreading, Cover w/ Straw

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	(No)	NA
Were there any vehicles which were not tarped?	* Yes	No	(NA)
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	(NA)

Personnel and Equipment

Individual	Company	Trade	Total Hours
Owen Ogiony	GES	Geo	2.25
Adam Norville	EEEG	eng.	2.25
Pat Bick	Matrix	Sub.	2.25
Mitch McCraw			2.25

DIR No.: 036
Date: 5/26/25
Site #828120

DAILY INSPECTION REPORT

Report No - NYSDEC Site No. Date:

Equipment Description	Contractor/Vendor	Quantity	Used
Support truck	Merlin	2	2
Plate tamper		1	1
Drum dolly		1	1

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight ~~(tons)~~*
DGA	X				1	1/2 Cyd.
Topsoil	X				1	2

*On-Site scale for off-site shipment, delivery ticket for material received

DIR No.: 036
Date: 5/26/25
Site #828120

DAILY INSPECTION REPORT

Report No - NYSDEC Site No. Date:

Equipment/Material Tracking Comments:

X

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

X

Site Representatives

Name	Representing

Project Schedule Comments

Task Completed

Issues Pending

X

Interaction with Public, Property Owners, Media, etc.

DIR No.: 036
Date: 5/26/25
Site #828120

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☐ NA
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☒
If Yes to <u>any</u> of 1-4 above: • If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☑	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☑	N/A ☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A ☑
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A ☑
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☑	N/A ☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A ☑
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A ☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A ☐
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☒
Comments:			

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** Carriage Cleaners

Photo #:	1
Date:	05/27/2025
Direction:	Na

Comments:

EW-1 before removal.

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** Carriage Cleaners

Photo #:	2
Date:	05/27/2025
Direction:	Na

Comments:

Interior of EW-1.

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** Carriage Cleaners

Photo #:	3
Date:	05/27/2025
Direction:	Na

Comments:

Pumping grout into EW-1.

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** Carriage Cleaners

Photo #:	4
Date:	05/27/2025
Direction:	na

Comments:

EW-1 after grout has been pumped in.

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** Carriage Cleaners

Photo #:	5
Date:	05/27/2025
Direction:	na

Comments:

Non-haz drums holding displaced water from EW-1.

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** Carriage Cleaners

Photo #:	6
Date:	05/27/2025
Direction:	na

Comments:

EW-1 well lid after removal.

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** Carriage Cleaners

Photo #:	7
Date:	05/27/2025
Direction:	na

Comments:

EW-1 after lid has been removed.

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** Carriage Cleaners

Photo #:	8
Date:	05/27/2025
Direction:	na

Comments:

EW-1 Pad removal.

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** Carriage Cleaners

Photo #:	9
Date:	05/27/2025
Direction:	na

Comments:

Pipes inside EW-1 plugged before filling.

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** Carriage Cleaners

Photo #:	10
Date:	05/27/2025
Direction:	na

Comments:

EW-1 cleaned and filled with gravel.

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** Carriage Cleaners

Photo #:	11
Date:	05/27/2025
Direction:	na

Comments:

Concrete truck on site.

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** Carriage Cleaners

Photo #:	12
Date:	05/27/2025
Direction:	na

Comments:

EW-1 filled with flowable fill.

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** Carriage Cleaners

Photo #:	13
Date:	05/27/2025
Direction:	na

Comments:

EW-1 sectioned of securely in order to dry.

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** Carriage Cleaners

Photo #:	14
Date:	05/29/2025
Direction:	na

Comments:

Compacting gravel on EW-1.

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** Carriage Cleaners

Photo #:	15
Date:	05/29/2025
Direction:	na

Comments:

Soil laid over work area at EW-1.

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** Carriage Cleaners

Photo #:	16
Date:	05/29/2025
Direction:	na

Comments:

Soil laid over work area, monitoring well still accessible.

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** Carriage Cleaners

Photo #:	17
Date:	05/29/2025
Direction:	na

Comments:

Grass seed laid over EW-1 work area.

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** Carriage Cleaners

Photo #:	18
Date:	05/29/2025
Direction:	na

Comments:

Location of drums containing displaced water.

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** Carriage Cleaners

Photo #:	19
Date:	05/29/2025
Direction:	na

Comments:

Straw placed over work area after grass seed.

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** Carriage Cleaners

Photo #:	20
Date:	05/29/2025
Direction:	

Comments:

Intentionally Left Blank

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: Carriage Cleaners

Contract No.

DEC Insp. –

DEC PM – Donald Roe

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Weather Conditions

General Description	Indoors	AM	Indoors	PM
Temperature		AM		PM
Wind		AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

Kneeling on hard surfaces, use knee pads.

Summary of Work Performed	Arrived at site:	**1430**	Departed Site:	**1600**

- System O&M and CE checks

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Peter Lyon	GES	Technician	2.5

Equipment Description	Contractor/Vendor		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone

NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	**Representing**
NA	

Project Schedule Comments

NA

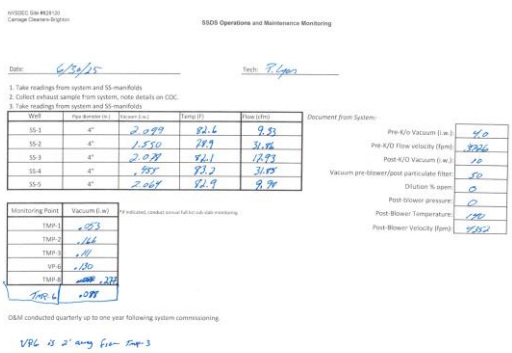
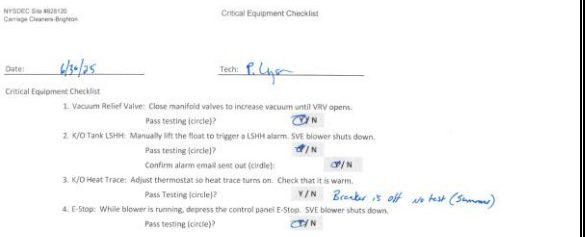
Issues Pending

NA

Interaction with Public, Property Owners, Media, etc.

NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
	
SSDS O&M Sheet.	Critical Equipment Checklist.

Comments	
Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☒

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☐	No ☐	N/A☒
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☒	No ☐	N/A☐
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☐	No ☐	N/A☒
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: Drums/waste that currently exists at the site not related to the work GES/EEEC/DEC has done and has been determined to be the property owner's responsibility.			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: Carriage Cleaners

Contract No.
DEC Insp. –
DEC PM – Donald Roe
Contractor Supt. –
Engineer PM – Kevin McKeever
Engineer Insp. –

Weather Conditions

General Description	Warm, Pt Sunny	AM	Hot, Partly Sunny	PM
Temperature	75 degrees	AM	87 degrees	PM
Wind	Apprx 8 mph SW	AM	Apprx 12 mph NW	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Summary of Work Performed	Arrived at site:	0900	Departed Site:	1430

Check on system, reportedly down following power outage. Restart system, rewire to add blower to email notifications so we will know if it is not running and attempt to extend/relocate the cellular antennae.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Pete Lyon	GES	Technician	8 (5 onsite)

Equipment Description	Contractor/Vendor	Quantity	Used
NA			

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
NA						

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

NA

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
NA	

Project Schedule Comments

NA

Issues Pending

NA

Interaction with Public, Property Owners, Media, etc.

Check in with building attendant.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
No photos taken	

Comments	
Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☐

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization? GES is waiting on analytical from Pace in order to schedule disposal	Yes ☐	No ☐	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☒	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately? Inspected when onsite for other tasks.	Yes ☒	No ☐	N/A☐
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☒	No ☐	N/A☐
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: Upon reciept of lab analytical, GES will work to get the waste material removed from the site (2 drums of groundwater removed from vault during EW-1 abandonment).			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☒	N/A☐
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: Carriage Cleaners

Contract No.

DEC Insp. –

DEC PM – Donald Roe

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Weather Conditions

General Description	Sunny	AM		PM
Temperature	70-80	AM		PM
Wind	Light	AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

Gauging JLA, O&M JLA

Summary of Work Performed	Arrived at site:	**1230**	Departed Site:	**1445**

- System O&M, drum pickup, affix sign to door, increase antennae height, barrel had sprung a leak when lifted, overpack needed.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Peter Lyon	GES	Technician	4

Equipment Description	Contractor/Vendor		

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
Displaced Water from EW-1	Generated 5/27	8/22/2025	Non-Haz	American recyclers inc		2 drums

Equipment/Material Tracking Comments:

Visitors to Site			
Name	**Representing**	**Entered Exclusion/CRZ Zone**	
NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives	
Name	**Representing**
NA	

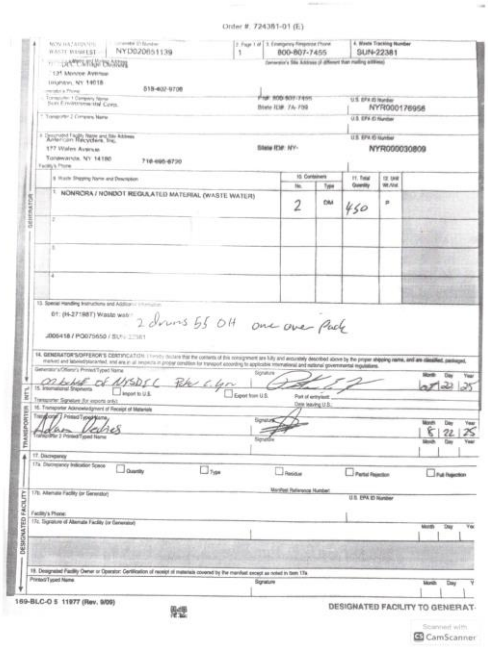
Project Schedule Comments
NA

Issues Pending
NA

Interaction with Public, Property Owners, Media, etc.
NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)



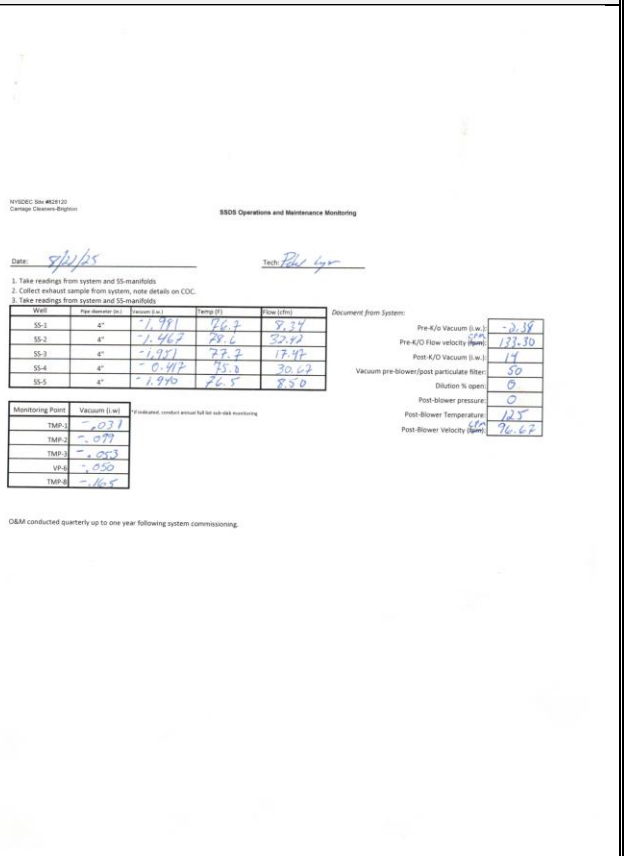
Order #: 724361-01 (E)

NONRCRA / NONDOT REGULATED MATERIAL (WASTE WATER) 2 DM 450 P

DESIGNATED FACILITY TO GENERAT

Scanned with CamScanner

Waste disposal manifest.



NYSDEC Site #828120
Carriage Cleaners-Brighton

SSDS Operations and Maintenance Monitoring

Date: 8/22/25 Tech: Peter Lyon

1. Take readings from system and SS-manifolds
2. Collect exhaust sample from system, note details on COC.
3. Take readings from system and SS-manifolds

Well	Pipe diameter (in.)	Vacuum (i.w.)	Temp (F)	Flow (cfm)
SS-1	4"	-1.981	76.7	9.34
SS-2	4"	-1.962	78.6	52.92
SS-3	4"	-1.951	77.7	17.97
SS-4	4"	-0.497	85.0	30.67
SS-5	4"	-1.940	76.5	8.50

Document from System:

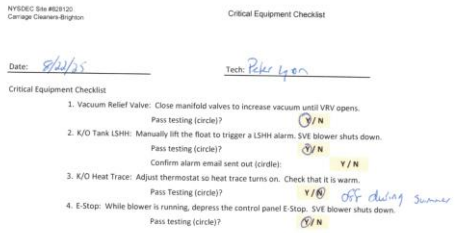
Pre-K/O Vacuum (i.w.):	-2.38
Pre-K/O Flow velocity (fpm):	133.30
Post-K/O Vacuum (i.w.):	14
Vacuum pre-blower/post particulate filter:	50
Dilution % open:	0
Post-blower pressure:	0
Post-Blower Temperature:	125
Post-Blower Velocity (fpm):	96.67

Monitoring Point	Vacuum (i.w)
TMP-1	-.031
TMP-2	-.079
TMP-3	-.043
VP-6	-.050
TMP-8	-1.965

*If indicated, conduct annual full list sub-slab monitoring

O&M conducted quarterly up to one year following system commissioning.

O&M Checklist



NYSDEC Site #828120
Carriage Cleaners-Brighton

Critical Equipment Checklist

Date: 8/22/25 Tech: Peter Lyon

Critical Equipment Checklist

1. Vacuum Relief Valve: Close manifold valves to increase vacuum until VRV opens.
   Pass testing (circle)? (Y) / N
2. K/O Tank LSHH: Manually lift the float to trigger a LSHH alarm. SVE blower shuts down.
   Pass testing (circle)? (Y) / N
   Confirm alarm email sent out (circle): (Y) / N
3. K/O Heat Trace: Adjust thermostat so heat trace turns on. Check that it is warm.
   Pass Testing (circle)? (Y) / N Off during summer
4. E-Stop: While blower is running, depress the control panel E-Stop. SVE blower shuts down.
   Pass testing (circle)? (Y) / N

CE Checklist.

Comments	
Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☒

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☒	No ☐	N/A☐
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☒	No ☐	N/A☐
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☒	No ☐	N/A☐
Piles are securely covered when not in use?	Yes ☒	No ☐	N/A☐
Containers are closed when not in use?	Yes ☒	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☒	No ☐	N/A☐
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☒	No ☐	N/A☐
If any issues noted, has Contractor been notified?	Yes ☒	No ☐	N/A☐
Comments: Drums/waste that currently exists at the site not related to the work GES/EEEC/DEC has done and has been determined to be the property owner's responsibility.			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: Carriage Cleaners

Contract No.

DEC Insp. –

DEC PM – Donald Roe

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Weather Conditions				
General Description	Sunny	AM		PM
Temperature	60	AM		PM
Wind	Light	AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

NA

Summary of Work Performed	Arrived at site:	0845	Departed Site:	1000

System reset and grass check

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Owen Ogiony	GES		1.25

Equipment Description	Contractor/Vendor	Quantity	Used

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing

Project Schedule Comments

Issues Pending

Interaction with Public, Property Owners, Media, etc.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
View of grass regrowth at EW-1 vault area	

Comments	
Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☐ N/A ☐

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☒	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: Carriage Cleaners

Contract No.

DEC Insp. –

DEC PM – Donald Roe

Contractor Supt. –

Engineer PM – Kevin McKeever

Engineer Insp. –

Weather Conditions

General Description	Indoor Work	AM	Indoor Work	PM
Temperature		AM		PM
Wind		AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA X

Health & Safety Comments

NA

Summary of Work Performed	Arrived at site:	0830	Departed Site:	1430

Decommission VP-3, VP-4, VP-5, VP-7, and VP-8
Pull and seal TMP-4, TMP-5, TMP-9, TMP-10, TMP-11, TMP-12, TMP-13, and VP-9

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Owen Ogiony	GES	ENV	8.25
Peter Lyon	GES	ENV	9.5
Thomas Loveland	EEEG	ENV	5.5

Equipment Description	Contractor/Vendor	Quantity	Used
NA			

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
NA						

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
NA		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing
NA	

Project Schedule Comments

NA

Issues Pending

Return tomorrow to complete exterior wells

Interaction with Public, Property Owners, Media, etc.

NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)	
TMP-11 prior to removal and capping	TMP-11 after removal of Vapor Pin
TMP-11 after filling bottom with plumbers' putty	TMP-11 after being filled with concrete

Casing pulled from VP-5	VP-5 after being decommissioned
VP-8 prior to being decommissioned	VP-8 after being decommissioned
Comments	
Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☒ N/A ☐

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☒	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: Carriage Cleaners

Contract No.
DEC Insp. –
DEC PM – Donald Roe
Contractor Supt. –
Engineer PM – Kevin McKeever
Engineer Insp. –

Weather Conditions

General Description	Cloudy	AM		PM
Temperature	40s	AM		PM
Wind	Light	AM		PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA X

Health & Safety Comments

NA

Summary of Work Performed	Arrived at site:	**0815**	Departed Site:	**1200**

Decommission VP-1 and VP-2

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Owen Ogiony	GES	ENV	5.75
Peter Lyon	GES	ENV	7.0
Thomas Loveland	EEEG	ENV	2.0

Equipment Description	Contractor/Vendor	Quantity	Used
NA			

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
NA						

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

NA

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
NA		**Yes**	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
NA	

Project Schedule Comments

NA

Issues Pending

Return tomorrow to complete exterior wells

Interaction with Public, Property Owners, Media, etc.

NA

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)

VP-1 prior to removal and decommissioning

VP-1 casing after removal

VP-1 after surface finishing with top soil

Comments

Site Inspector(s):	**Date:**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☒ N/A ☐

REMEDIAL ACTIVITIES AT OTHER PROPERTIES
[Residential, Adjacent, AWS, non-Site Properties]
(Section may be deleted for ongoing remedial sites)

1. Does the Department and its Contractor(s) have permission to enter the property or properties for the day's work?	Yes ☒	No ☐
2. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
3. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
4. If Yes to 1, 2 or 3, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☐
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☐
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☐	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☐	No ☐	N/A☒
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☒	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☐	No ☐	N/A☒
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☐	No ☐	N/A☒
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments:			

* BART – Best Available Retrofit Technology

Appendix C – SSI System Details

SPECIALTY SYSTEMS INTEGRATORS INC.
14150 23rd Ave N; Plymouth, Minnesota 55447 | tel: 763-450-2600 | WWW.2SSI.COM | email: sales@2ssi.com

August 1, 2023 SSI Quote #023042

Genevieve Bock
GES
C: (856) 906-5642 | O: (800) 360-9405 x4302 | Email: gbock@gesonline.com

Re: Proposal for SVE System
Carriage Cleaners, Brighton NYSDEC #828120

Specialty Systems Integrators (SSI) appreciates this opportunity to submit this proposal for your consideration. We have prepared this proposal in accordance with our understanding of your application.

1 *SVE System*

(1) SSI Regenerative Vacuum Pump (Performance = 120 CFM @ 20" H2O)

- 2.8hp, 3ph, TEFC, 230/460 VAC motor
- Regenerative Design
- Maintenance-Free, Non-Contacting Design
- Vacuum Relief Valve
- Inline Particulate Filter
- Discharge Silencer

(1) Lot of the following instrumentation and filtration equipment

- (2) Vacuum Gauges
- (1) Temperature gauge
- (1) Pressure gauge
- (2) Flow Meter Ports, ¼" Ball Valves for Anemometer insertion
- (1) Anemometer for air flow velocity
- (1) Dilution Valve with inlet filter/silencer

(1) TotalSep™ Vapor/Liquid Separator Tank

- 30 gallon air/water separator tank
- HHL Switch
- Explosion Proof Self Regulating Heat Cable
- Insulated and Wrapped with Aluminum Wrap
- Liquid level site tube
- Drain port

(1) "SkidPak" Metal Enclosure

- Mounting of blower inside "Doghouse" enclosure
- Inside of skid enclosure to be Class 1, Div II rated

SPECIALTY SYSTEMS INTEGRATORS INC.
14150 23rd Ave N; Plymouth, Minnesota 55447 | tel: 763-450-2600 | WWW.2SSI.COM | email: sales@2ssi.com

2 *System Controller with Cellular Alert System*

RELAY-BASED CONTROL PANEL:

- UL certified to the UL698A standard (Standard for Industrial Control Panels Relating to Hazardous, Classified Locations)
- NEMA 4 lockable panel enclosure
- Touch-Safe main power distribution block
- Branch circuit protection with circuit breakers for powered devices and control system power
- Controls for:
  - (1) SVE Blower
  - (1) Heat Cable
- 24 VDC power supply

System Fault Notification System

- Sensaphone Sentinel Autodialer
- Note: Cellular service by others

3 *SVE System Integration, SSI SkidPak*

SVE system integration:

- Steel base and siding enclosure with both lifting lugs and forklift hole at the base
- Mount and plumb blower, VLS Tank and filter housing inside the enclosed skid
- Provide & install passive vent for skid enclosure
- Mount control panel on outside of the enclosure
- 240VAC, 3ph service power

4 *Pricing*

Item	Description	Unit	Quantity	Unit Price ($)	Total Price ($)
1.	Regenerative Blower System	Each	1	$ 24,965.00	$ 24,965.00
2.	Shipping & Handling	Each	1	$ 2,000.00	$ 2,000.00
3.					

Specialty Systems Integrators, Inc appreciates your interest in our products and we thank you for your time and consideration. If you have any questions or require any additional information concerning this quotation, please do not hesitate to contact us at (763) 450-2600.

Sincerely,

MIKE **VEIRE** | PRINCIPAL
SPECIALTY **SYSTEMS** INTEGRATORS | **Cell:** 763.370.7036 | **Direct:** 763.450.2620 | **Email:** MikeV@2ssi.com | **Web:** www.2ssi.com

SPECIALTY SYSTEMS INTEGRATORS INC.
14150 23rd Ave N; Plymouth, Minnesota 55447 | tel: 763-450-2600 | WWW.2SSI.COM | email: sales@2ssi.com

Delivery: Parts orders are from stock or 2-3 weeks typical. Equipment is 4-6 weeks typical. Systems are 8-16 weeks typical. Actual delivery schedule determined at time of order placement subject to current workload, vendor schedules etc. If project expediting is necessary, please indicate desired delivery and Specialty Systems Integrators, Inc will do everything possible to expedite.

Payment Terms: Parts orders: Net 30 OAC.
Projects or Systems: 50% down with PO. 30% prior to shipping. Balance net 30 on delivery.

Pricing: Due to daily pricing fluctuation, pricing for the system will be adjusted to market rate when system components are procured. SSI will then revise the final purchase price

Submittals: Submittals if required are provided as rapidly as possible. Submittals are provided in the standard Specialty Systems Integrators, Inc format, in digital Adobe pdf file format. The account must be current for submittals to be developed and provided.

Interpretations: Our offering is strictly limited to that which is described in the proposal above. No other equipment or services are included or implied unless in writing in the proposal. Contact Specialty Systems Integrators, Inc if there are any inaccuracies or omissions in the proposal.

Taxes, Fees and Permits: Specialty Systems Integrators, Inc. is only required to collect sales tax in the state of MN (if applicable). If you are subject to sales or other taxes in other states, you must report them and pay them to the appropriate authorities. No fees, government or otherwise are collected by Specialty Systems Integrators, Inc. Permit fees etc are collected only if they are described in the proposal.

Documentation: Detailed submittals, as-built drawings, IOM manuals, PE stamped documents etc are provided as described in the proposal.

Startup Assistance: Startup assistance can be provided for a field engineer to be onsite to assist in various startup activities. The field engineer will certify the installation is proper, test installed electrical components, check out mechanical installations, calibrate instruments, startup the system and train the operators as needed. Startup assistance cost if not detailed in above proposal is priced as follows: $1500 for first day of travel. $950/day on-site thereafter. Costs include all travel and per-diem. Costs are for Con-US. For international startups please contact Specialty Systems Integrators, Inc for current pricing.

Warranty: Specialty Systems Integrators, Inc warrants its products to be free from defects in materials and workmanship for 12 months from shipment. In the case of major components within the system, the original equipment manufacturers warranty will apply. Specialty Systems Integrators, Inc reserves the right to repair or replace any defective item. Warranty does not include labor or shipping costs. Warranties of other vendor components etc may differ from our standard warranty and therefore shall be subject to that manufacturer's warranty. No other warranty is expressed nor implied.

Customer Acceptance – Purchase Order
By signing the acceptance below, you agree that this is a binding purchase order from your company. You also agree to abide by the proposal payment terms.

ACCEPTANCE:

Accepted by: _____ Company: _____.

Printed Name & Title _____.

Purchase Order # _____

BID FORM

Activity	Estimated Quantity	Price
Equipment Enclosure (VLS, blower, piping, instrumentation, enclosure, and control panel)	Lump Sum	$24,965
Equipment delivery to the Site.	Lump Sum	$2,000
	TOTAL:	$26,965

Tax: $2,157.20
Total w/ tax: $29,122.20

Timeline:

Please identify the number of weeks between order placement and delivery of equipment to the Site:

Typical lead time is 6-9 weeks depending on current workload

Please identify payment terms required. GES standard payment terms are Net 60 days after delivery.

SSI Payment terms are 50% down, 30% prior to shipping, balance net 30 from ship date.

Sincerely,

Groundwater & Environmental Services, Inc.

Genevieve F. Bock, P.E.
NE Region Engineering Manager

Thomas Palmer
Senior Project Manager

Appendix D – ACM Report and Disposal Records

Corporate Headquarters
179 Lake Avenue
Rochester, NY 14608
585.647.2530

Capital District
790 Watervliet Shaker Road
Latham, NY 12110
518.782.1466

Central New York
6950 E. Genesee Street, #2
Fayetteville, NY 13066
315.455.2714

Hudson Valley
3 Neptune Road
Suite A18E
Poughkeepsie, NY 12601

North Country
215 Washington Street
Suite 221
Watertown, NY 13601
315.771.3738

Southern Tier
51 Center Street
Hornell, NY 14843
607.661.4037

Western New York
1430B Millersport Highway
Williamsville, NY 14221
716.775.5777

Binghamton
7 South Washington Street
Binghamton, NY 13903
607.744.5100

www.paradigmenv.com

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Limited Asbestos Survey

Carriage Cleaners
2101 Monroe Avenue
Brighton, New York 14618

Prepared For:

Groundwater and Environmental Services, Inc.
415 Lawrence Bell Drive
Williamsville, NY 14221

Inspected on:

November 28, 2022

Paradigm Number: P22-2888

CARRIAGE CLEANERS
2101 MONROE AVENUE
BRIGHTON, NEW YORK

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INTRODUCTION

Paradigm Environmental Services, Inc. was retained by Groundwater and Environmental Services, Inc. on November 28, 2022, to conduct an inspection for the detection of asbestos containing materials located within Carriage Cleaners, 2101 Monroe Avenue, Brighton, New York.

The objective of this inspection was to identify and assess with due diligence the locations, quantities, friability, and condition of all types of asbestos containing materials at the above referenced location. New York State Department of Labor Certified Asbestos Inspector, Keith Sullivan (Cert #: 00-12578) conducted this inspection with the procedures and guidelines dictated by state and federal regulatory agencies. The inspector selected materials for inclusion in this report through an understanding of the scope of the renovation as indicated by the building owner and the historical uses of asbestos in general. Generally, if a building material within a structure could contain asbestos the material was included in the survey.

Samples were collected from locations within each homogeneous sampling area. Samples consist of a small amount of the subject material. Sampling points were recorded and cross-referenced to prepared sketches. Individual samples were also recorded on a chain of custody document. Samples were then transported to the Paradigm analytical laboratory for asbestos analysis.

The Paradigm laboratory is accredited through NYSDOH/ELAP (Lab ID# 10958) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis. The chain of custody record accompanies all samples from the point collected until they reach the laboratory. Samples are stored at the laboratory for 90 days then disposed of according to authoritative regulations.

The analysis methodology used is as follows:

Asbestos Bulk Samples:

New York State Department of Health, ELAP Method 198.1 and 198.6 ("Polarized Light Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").
New York State Department of Health, ELAP Method 198.4 ("Transmission Electron Microscope Method for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples").

LIMITATIONS

The information provided in this report was compiled from field and laboratory data and was prepared for Groundwater and Environmental Services, Inc. and referenced to Carriage Cleaners, 2101 Monroe Avenue, Brighton, New York. Materials noted and recorded are intended to represent subject site at the time and date that the observations were made. Conclusions and recommendations provided in this report are based on the assumption that materials identified are homogenous throughout their application. Determinations of suspect asbestos containing materials within the building were subject to the accessibility of each individual area or space. Determinations of asbestos containing materials were made by means of bulk sampling, physical assessment or visual assessment if the materials were not accessible. Paradigm Environmental Services, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us, not reasonably accessible, or not part of the scope of the project as defined by the client. Paradigm Environmental Services, Inc. assumes no liability for any buildings that were not identified by the client that may fall under state or federal regulation. All conclusions provided in this report are based on the bulks sampling that was performed at the above aforementioned site on the above-mentioned dates.

As per the direction of the client, Groundwater and Environmental Services, Inc., this survey was limited to suspect asbestos containing materials as listed in the materials tested table; if additional materials will be impacted by the renovation these materials should be considered asbestos containing until tested.

All quantities are approximations and must be field verified by the contractor prior to the submittal of bids. Contractor bids are expected to be based on their own determination of quantities and not the quantities stated in this report.

This asbestos survey report is not intended to be a bid document for a scope of work for the asbestos abatement contractor. The survey report only identifies and assesses the location, quantity, and condition of ACM, PACM or asbestos materials at the subject site. The asbestos survey report is intended to be used as a tool in the development of an asbestos abatement project design or work scope. Under the Code Rule regulation this task can only be performed by a Certified Project Designer.

Energized mechanical or electrical systems were not sampled as part of the survey and were visually assessed as ACM (Asbestos Containing Material). Suspect materials that are visually assessed by the inspector as ACM shall be treated as ACM, unless bulk sampling is conducted consistent with EPA and OSHA accepted methods, and the analysis meets the requirements of Code Rule 56 and the suspect material is found not to be asbestos containing. These systems may contain one or more of the following components, but are not limited to these components: brakes, clutches, gaskets, insulating panels, blocks or backer boards, wire insulation, explosion proof lighting gaskets and fitting packings, insulating papers, pipe sleeve packings, fire stops, caulks, paints and coatings.

CONCLUSIONS

Paradigm Environmental Services, Inc. was retained to perform a limited asbestos survey from Carriage Cleaners, 2101 Monroe Avenue, Brighton, New York on November 28, 2022. A New York State certified inspector sampled suspect asbestos containing materials from the above-mentioned site. Sample locations and custody information were recorded, and the samples were transported to the Paradigm laboratory for analysis.

Transmittal of Building/Structure Asbestos Survey Information – As required by New York State Industrial Code Rule 56, one (1) copy of the results of the building/structure asbestos survey shall be immediately transmitted by the building/structure owner as follows:

- One (1) copy of the completed asbestos survey shall be sent by the owner or their agent to the local entity charged with issuing a permit for such demolition, renovation, remodeling, or repair work under State or local laws.

- The completed asbestos survey for controlled demolition (as per Subpart 56-11.5) or pre-demolition asbestos projects shall be submitted to the appropriate Asbestos Control Bureau district office.

- The completed asbestos survey shall be kept on the construction site with the asbestos notification and variance, if required, throughout the duration of the asbestos project and any associated demolition, renovation, remodeling, or repair project.

The following is a brief description of the space by space survey.

Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	Col 9	Col 10	Col. 11
Room #	Sample #'s taken in Room	Positive Sample ID #	Positive Material Description	Location of Material	Condition	Friable Non-Friable NOB	Type of Material	SQ FT	Lin FT	Units

1. Column 1: indicates the Room number, room description and estimated square footage of the room referenced to the attached map/drawing.
2. Column 2: indicates the bulk sample numbers that were taken in the Room indicated in column 1. i.e. 001-007 means samples one through seven were sampled in the room, none would indicate that no samples were taken in the room. You will not see the first three letters of the sample in this column. If you would like to know the materials that were tested in the room, please refer to the analytical results which are documented in numerical order.
3. Column 3: indicates the sample number that proves the material is positive for asbestos content. This sample may have taken in the space in column 1 or determined a homogeneous area (material) by the inspector to a sample that was taken in another space. For the purpose of this report all samples are assigned a six-digit alphanumeric sample identification number. The first three letters/numbers indicate the material, found in column 4. The last three numbers indicate the sample number in the sequence in which they were taken. If there is a letter after the last three numbers, this indicates that the laboratory or the inspector determines that there were multiple layers within the sample, requiring additional sampling under EPA protocols.
4. Column 4: gives a brief description of the asbestos containing material or the material that is to be treated as asbestos containing as determined by the inspector. At times non-asbestos materials are contaminated with asbestos, therefore must be treated as asbestos.
5. Column 5: indicates a brief description of the location of the material in the room and not the location where the sample was taken from. You will find locations of where each sample was taken from on the analytical sampling results.
6. Column 6: indicates the physical condition of the material as assessed by the inspector in the space indicated in column 1, according to the condition description described below. For the purpose of this report, the condition of the ACM will be reported in good, fair or poor condition. Conditions will be listed in column 6 of the survey report will be as follows:
   a. ***Good:*** material is intact with no visible damage.
   b. ***Fair:*** material contains fewer than 10% distributed damage or 25% localized damage.
   c. ***Poor:*** material contains over 10% distributed damage or 25% localized damage.
   Conditions listed in column 6 of the space by space survey report are only related to the specific material for the specific space.
7. Column 7: indicates the friability of the material in that space as determined by the inspector and the analytical laboratory consistent with Code Rule 56 and EPA regulations.
8. Column 8: indicates the type of material in that space as determined by the inspector and the analytical laboratory consistent with Code Rule 56 and EPA regulations.
9. Column 9: indicates the square footage of ACM material found in the space.
10. Column 10: indicates the linear footage of ACM material found in the space. Pipe insulation that is two feet or greater in diameter is required to be reported in square feet according to code Rule 56.
11. Column 11: indicates the units of ACM material found in the space.

MATERIALS TESTED

Sample ID	Description of Material	Asbestos Fibers Type & Percentage	Friable Non-Friable NOB
FT1-01	Gray 12"x12" Floor Tile	Chrysotile 1.8%	NOB
FTM-02	Black Floor Tile Mastic	Chrysotile 1.1%	NOB
FT1-03	Gray 12"x12" Floor Tile	Stop Positive Samples Not Analyzed	N/A
FTM-04	Black Floor Tile Mastic	Stop Positive ** No TEM	NOB
FT1-05	Gray 12"x12" Floor Tile	Stop Positive Samples Not Analyzed	N/A
FTM-06	Tan Floor Tile Mastic	None Detected	NOB
GRT-09	Gray Grout	None Detected	Non-Friable
GRT-10	Gray Grout	None Detected	Non-Friable
SCT-11	Gray Suspended Ceiling Tile	None Detected	Friable
SCT-12	Gray Suspended Ceiling Tile	None Detected	Friable

ASBESTOS CONTAINING MATERIALS SPACE BY SPACE SUMMARY

Area	*Sample #'s taken in Area*	*Positive Sample ID #*	*Positive Material Description*	*Location of Material*	*Condition*	*Friable Non-Friable NOB* **	*Type of Material*	*SQ FT*	*Lin FT*	*Unit*
Open Area #1	*05, 06, 09-11*	*FT1-01*	*Gray 12"x12" Floor Tile*	*Floor*	*Fair*	*NOB*	MISC	1,200		
		FTM-02	*Black Floor Tile Mastic*	*Under 12"x12"*	*Fair*	*NOB*	MISC	1,200		
Kitchen	*01, 02*	*FT1-01*	*Gray 12"x12" Floor Tile*	*Floor*	*Fair*	*NOB*	MISC	80		
		FTM-02	*Black Floor Tile Mastic*	*Under 12"x12"*	*Fair*	*NOB*	MISC	80		
Support Area	*03, 04*	*FT1-01*	*Gray 12"x12" Floor Tile*	*Floor*	*Fair*	*NOB*	MISC	900		
		FTM-02	*Black Floor Tile Mastic*	*Under 12"x12"*	*Fair*	*NOB*	MISC	900		
Office #1	*None*	*FT1-01*	*Gray 12"x12" Floor Tile*	*Floor*	*Fair*	*NOB*	MISC	72		
		FTM-02	*Black Floor Tile Mastic*	*Under 12"x12"*	*Fair*	*NOB*	MISC	72		
Office #2	*12*	*FT1-01*	*Gray 12"x12" Floor Tile*	*Floor*	*Fair*	*NOB*	MISC	100		
		FTM-02	*Black Floor Tile Mastic*	*Under 12"x12"*	*Fair*	*NOB*	MISC	100		
							Totals	**4,704**	**0**	**0**

* Reflects quantifiable locations only; additional material maybe present, but not quantifiable per table.

This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.

*** Materials are categorized as friable or non-friable based on their intact condition. For designer abatement purposes materials labeled as non-friable may become friable, based on methods of handling.*

All layers of multi-layered systems are analyzed, quantified and reported separately, as specified by NYSDOL and NYSDOH. In some cases, multi-layered systems may be combined for design and abatement purposes, with effective quantities adjusted accordingly.

All quantities in this report are approximations and must be field verified by the Abatement contractor. Contractor bids are expected to be based on their own determinations of quantities and not the approximate quantities stated in this report.

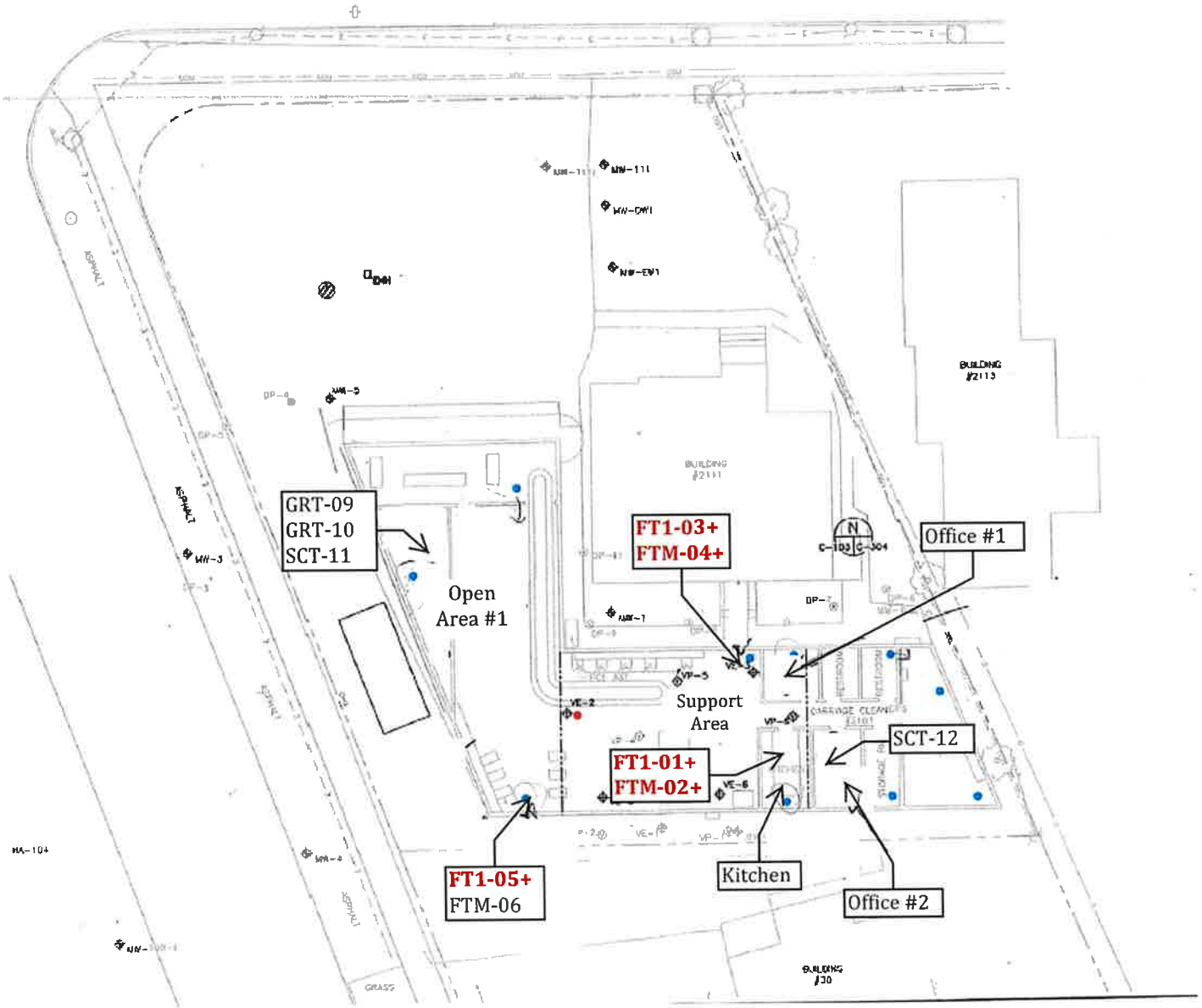
Paradigm certifies that this report regarding Carriage Cleaners, 2101 Monroe Avenue, Brighton, New York based on the observations of the inspector and believes it to be an accurate representation of the conditions as they existed on November 28, 2022.

Paradigm appreciates this opportunity to provide you with our professional services. If you have any questions, please feel free to contact our office at (585) 647-2530.

Keith Sullivan
Inspector Review
NYSDOL Cert #: 00-12578

Project Manager Review

[ ] Mary Dohr, Vice President
[✓] Angela Liddell, Rochester Director of Field Operations



Client: Groundwater and Environmental Services, Inc.	
Location: 2101 Monroe Avenue, Brighton, NY	Site: Carriage Cleaners
Date: November 28, 2022	Project Number: P22-2888

PARADIGM
ENVIRONMENTAL SERVICES, INC.

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1,198.4 and 198.6

Client: Groundwater & Environmental Services
Location: 2101 Monroe Avenue, Rochester, New York
Carriage Cleaners
Sample Date: 11/28/2022

Job No: 9200-22

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
FT1-01	81318	Kitchen	Gray 12"x12" Floor Tile	Chrysotile 1.8%	1.8%	√	Not Required	N/A	None Detected	98.2%
FTM-02	81319	Kitchen	Black Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	√	Chrysotile 1.1%	1.1%	None Detected	98.9%
FT1-03	81320	Support Area	Gray 12"x12" Floor Tile	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A
FTM-04	81321	Support Area	Black Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	√	Stop Positive ** No TEM	N/A	None Detected	100%
FT1-05	81322	Open Area at Wall	Gray 12"x12" Floor Tile	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A
FTM-06	81323	Open Area at Wall	Tan Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
GRT-09	81324	Small Room Right Side	Gray Grout	None Detected	0%		Not Required	N/A	None Detected	100%
GRT-10	81325	Small Room Right Side	Gray Grout	None Detected	0%		Not Required	N/A	None Detected	100%
SCT-11	81326	Small Room Right Side	Gray Fibrous Suspended Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	Mineral Wool 10%	90%
SCT-12	81327	Office	Gray Fibrous Suspended Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	Mineral Wool 10%	90%

KEY TO NOB COLUMN SYMBOLS
No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).
√ NOB (non-friable organically bound)denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.
V̌ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.
 # denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.
X denotes sample prepped only by ELAP Method 198.6.
**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1 ,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.")or EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0),

NVLAP TESTING

ELAP ID No.: 10958

Lab Code 200530-0 for PLM Analysis

Microscope: Olympus BH-2 #211874
PLM Analyst: T. Bush
Date of Analysis: 12/5/2022

Microscope: JEOL-100CX-II #EM-156094-87
TEM Analyst: M. Lochner
Date of Analysis: 12/6/2022

Laboratory Results Approved By:
Asbestos Technical Director or Designee
Fernanda Weinman

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and/or laboratory and analysts' precision) is available upon request.

CHAIN OF CUSTODY FOR BULK ASBESTOS ANALYSIS

PARADIGM

[X] 179 Lake Avenue, Rochester, New York 14608 — Office: 585-647-2530
[ ] 1430B Millersport Highway, Williamsville, New York 14221 — Office: 716-775-5777
[ ] 51 Center Street, Hornell, New York 14843 — Office: 607-661-4037

Client: GROUNDWATER & ENVIRONMENTAL SERVICES

Email Address for Data:
SEND ANALYTICAL TO CLIENT: Yes [X] No [ ]

Client Contact Information: Name and Email: NICOLE LINDAR NLindera@gesonline.com

Client Mailing Address: 415 LAWRENCE BELL DR. WILLIAMSVILLE, NY 14221

Results To: CALL [ ] Tech [ ] Client [ ] KSullivan@paradigmenv.com

Turn Around Time: 1 [ ] 2 [ ] 3 [ ] 5 [X] 127 Immediate [ ]

Date Sampled: 11-28-22

Project Number: P22-2888

Job Ticket #: 169129

Project Name & Location: CARRIAGE CLEANERS 2101 MONROE AVE.

OFFICE USE ONLY
Job #: 9200-22
Page 2 of 2
Date Logged In: 11.30.22
Logged In By:
1 of 1

	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Material	Friability
1	FTI-01	81318	KITCHEN		GRY	12x12 FLOOR TILE	NF
2	FTM02	319	"		BLK	TILE MASTIC	
3	FTI 03	320	SUPPORT AREA		GRY	12x12 FLOOR TILE	
4	FTM04	321	" "		BLK	TILE MASTIC	
5	FTI 05	322	OPEN AREA @ WALL		GRY,	12x12 FLOOR TILE	
6	FTM06	323	" "		TAN	TILE MASTIC	
7	GRT 09	324	SMALL ROOM RIGHT SIDE		GRY	GROUT	
8	GRT 010	325	" "		"	"	
9	SCT 011	326	" "		"	SUSPENDED TILE	F
10	SCT 012	327	OFFICE		"	"	"

Sampled and Relinquished By: K Sullivan — **Date/Time:** 11-28-22

Relinquished By: [signature] — **Date/Time:** 11-30-22

Received By: [signature] — **Date/Time:** 11.30.22 1334

All samples will be analyzed by the appropriate New York State Department of Health (NYSDOH) methods (198.1, 198.4, 198.6) unless EPA 600/M4/82/020 per 40 CFR 763 and/or EPA 600/R-93/116 methods are requested. SAFP [X]
FLOOR TILES + MAS

TOTAL NUMBER OF SAMPLES ON ALL CHAINS OF CUSTODY: 10

Note: DID NOT USE FT SAMPLES 07-08

cm 12/1/22

Certifications

New York State – Department of Labor
Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

Paradigm Environmental Services, Inc.

179 Lake Ave.

Rochester, NY 14608

FILE NUMBER: 11-62819
LICENSE NUMBER: 62819
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 02/09/2022
EXPIRATION DATE: 02/28/2023

Duly Authorized Representative – Mary Dohr:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Amy Phillips, Director
For the Commissioner of Labor

SH 432 (8/12)

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2023
Issued April 01, 2022

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. STEVE DEVITO
PARADIGM ENVIRONMENTAL SERVICES INC
179 LAKE AVENUE
ROCHESTER, NY 14608

NY Lab Id No: 10958

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual
	EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Lead in Dust Wipes	EPA 6010C
Lead in Paint	EPA 6010C

Sample Preparation Methods

EPA 3050B

Serial No.: 64534

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

National Voluntary
Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, NY 14608
Ms. Emily Farmen
Phone: 585-647-2530
Email: efarmen@paradigmenv.com
http://www.paradigmenv.com

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 200530-0

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

Code	*Description*
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

For the National Voluntary Laboratory Accreditation Program

Effective 2022-07-01 through 2023-06-30

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 200530-0

Paradigm Environmental Services, Inc.

Rochester, NY

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2022-07-01 through 2023-06-30

Effective Dates

For the National Voluntary Laboratory Accreditation Program

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

N.Y.S

KEITH R SULLIVAN
CLASS(EXPIRES)
D INSP(06/24)

CERT# 00-12578
DMV# 677156602

MUST BE CARRIED ON ASBESTOS PROJECTS

WASTE SHIPMENT RECORD

REPORT DATE

GENERATOR

1. Work site name and mailing address
NYSDEC
2101 MONROE AVE
BRIGHTON, NY 14610 JOB # 23158

Owner's Name
GES - NICOLE UNDER

Owner's telephone no.
(800)287-7857 EXT.4342

2. Operator's name and address
ABSCOPE ENVIRONMENTAL, INC.
7086 COMMERCIAL DRIVE
CANASTOTA, NY 13032
PROFILE # 103790NY

Operator's telephone no.
(315)697-8437

3. Waste Disposal Site (WDS)
Name HIGH ACRES LANDFILL
Mailing Address 425 PERINTON PARKWAY
FAIRPORT, NY 14450
Physical Site Location 425 PERINTON PKWY, FAIRPORT, NY 14450

WDS telephone no. 585-223-6132

Additional Information
CARRIAGE CLEANERS
2101 MONROE AVE.
BRIGHTON, NY 14610
WORK SITE:

4. Name and address of responsible agency

5. Description of materials	6. Containers No.	Type	7. Total quantity m^3 (yd^3)
~~NON-FRIABLE FLOOR~~	1	bag	1/10

8. Special handling instructions and additional information

9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.

Printed/typed name & title	Signature	Month	Day	Year
Tom Szablewski (Supervisor)	Tom Szablewski	10	25	23

TRANSPORTER

10. Transporter 1 (Acknowledgment of receipt of materials)

Printed/typed name & title	Signature	Month	Day	Year
Tom Szablewski (Driver)	Tom Szablewski	10	25	23

Address and telephone no.
7086 COMMERCIAL DRIVE
CANASTOTA, NY 13032
PH: 315-697-8437

11. Transporter 2 (Acknowledgment of receipt of materials)

Printed/typed name & title	Signature	Month	Day	Year
Mike Roberts Driver		10	30	23

Address and telephone no.

DISPOSAL SITE

12. Discrepancy indication space

13. Waste disposal site owner or operator: Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Grid Coordinates
East ____ North ____ El ____

Printed/typed name & title	Signature	Month	Day	Year
Noah Teeter		10	31	23

204-FS-C6
Rev. 6/94

ORIGINAL RETURN TO GENERATOR

Appendix E – Well Decommissioning Records

FIGURE 3

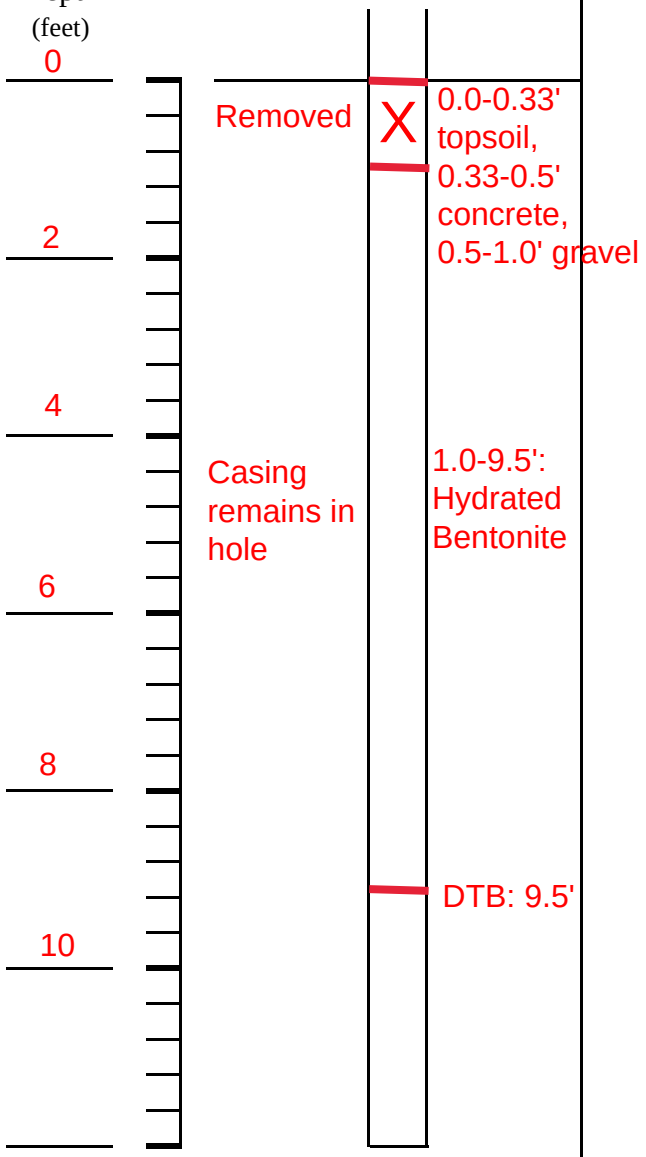
WELL DECOMMISSIONING RECORD

Site Name: NYSDEC - Carriage Cleaners	Well I.D.: VE-1
Site Location: 2101 Monroe Ave, Brighton, NY	Driller: Peter Lyon
Drilling Co.: GES	Inspector: Peter Lyon
	Date: 3/18/25

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	Casing Cut
Casing retrieved (feet)	1.0'
Casing type/dia. (in)	2"
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	0.125
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	5
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	

WELL SCHEMATIC*



COMMENTS:

Steel casing cut 1' bgs, casing filled with bentonite to 1' bgs and hydrated, 0.5-1.0' gravel, 0.33-0.5' concrete, 0.0-0.33' topsoil

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

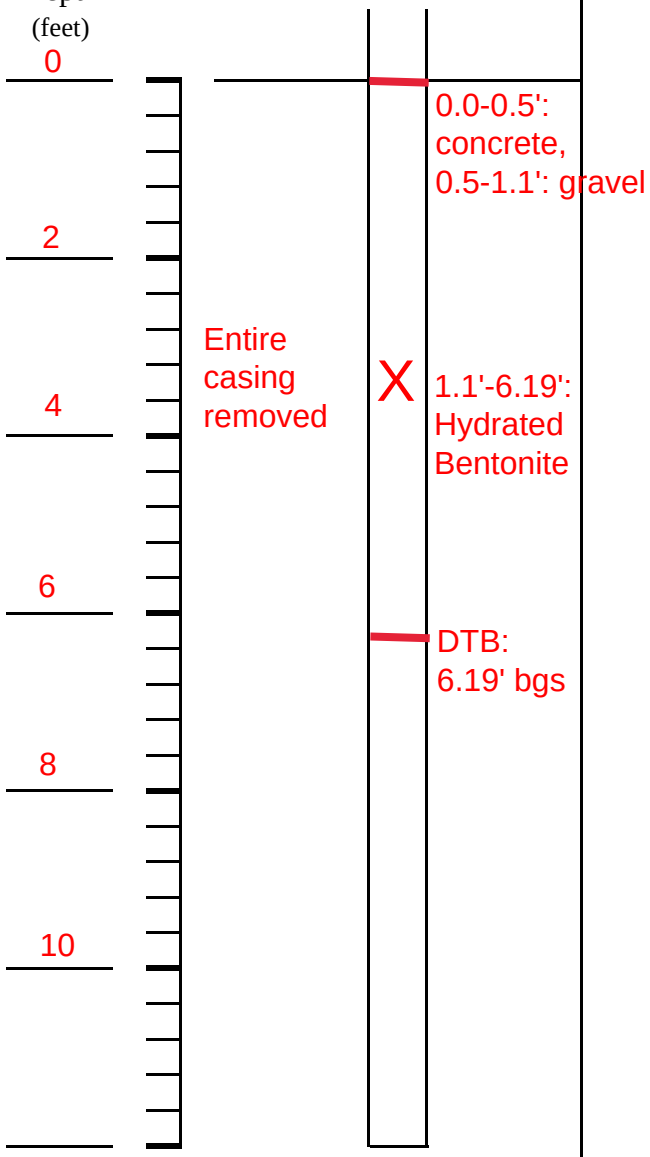
WELL DECOMMISSIONING RECORD

Site Name: NYSDEC - Carriage Cleaners	Well I.D.: VE-2
Site Location: 2101 Monroe Ave, Brighton, NY	Driller: Peter Lyon
Drilling Co.: GES	Inspector: Peter Lyon
	Date: 3/18/25

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	Casing Pulled
Casing retrieved (feet)	6.19
Casing type/dia. (in)	2"
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	0.125
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	5
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	

WELL SCHEMATIC*



COMMENTS:

Steel casing completely removed, hole filled with bentonite to 1.1' bgs and hydrated, 0.5-1.0' gravel, 0.0-0.5' concrete

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

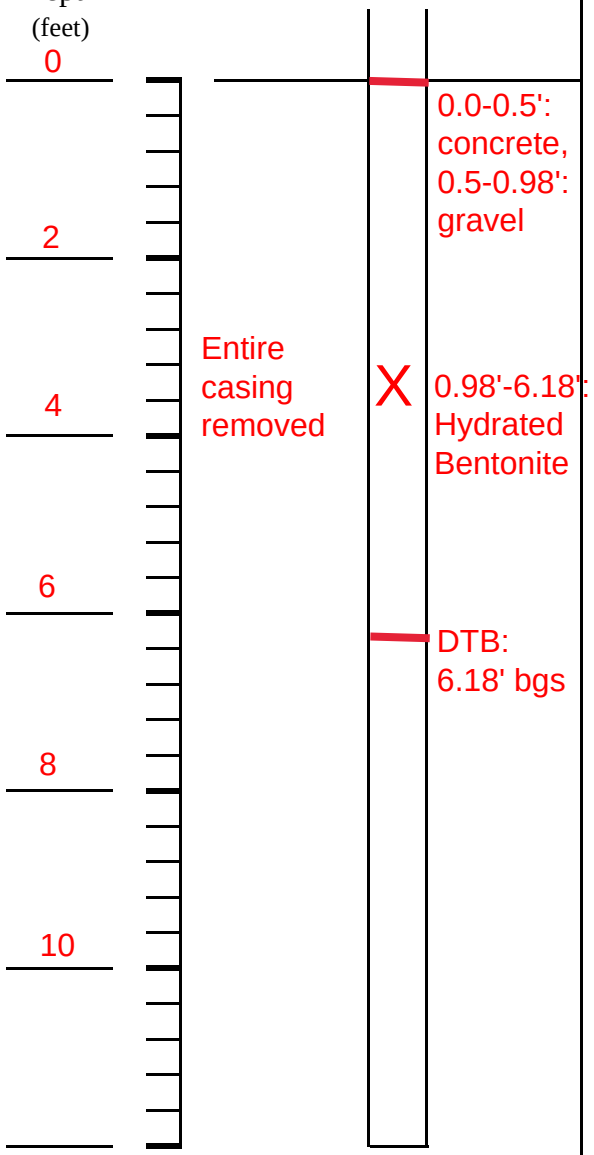
WELL DECOMMISSIONING RECORD

Site Name: NYSDEC - Carriage Cleaners	Well I.D.: VE-3
Site Location: 2101 Monroe Ave, Brighton, NY	Driller: Peter Lyon
Drilling Co.: GES	Inspector: Peter Lyon
	Date: 3/18/25

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	Casing Pulled
Casing retrieved (feet)	6.18'
Casing type/dia. (in)	2"
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	0.125
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	5
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	

WELL SCHEMATIC*



COMMENTS:

Steel casing completely reomved, hole filled with bentonite to 0.98' bgs and hydrated, 0.5-0.98' gravel, 0.0-0.5' concrete

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

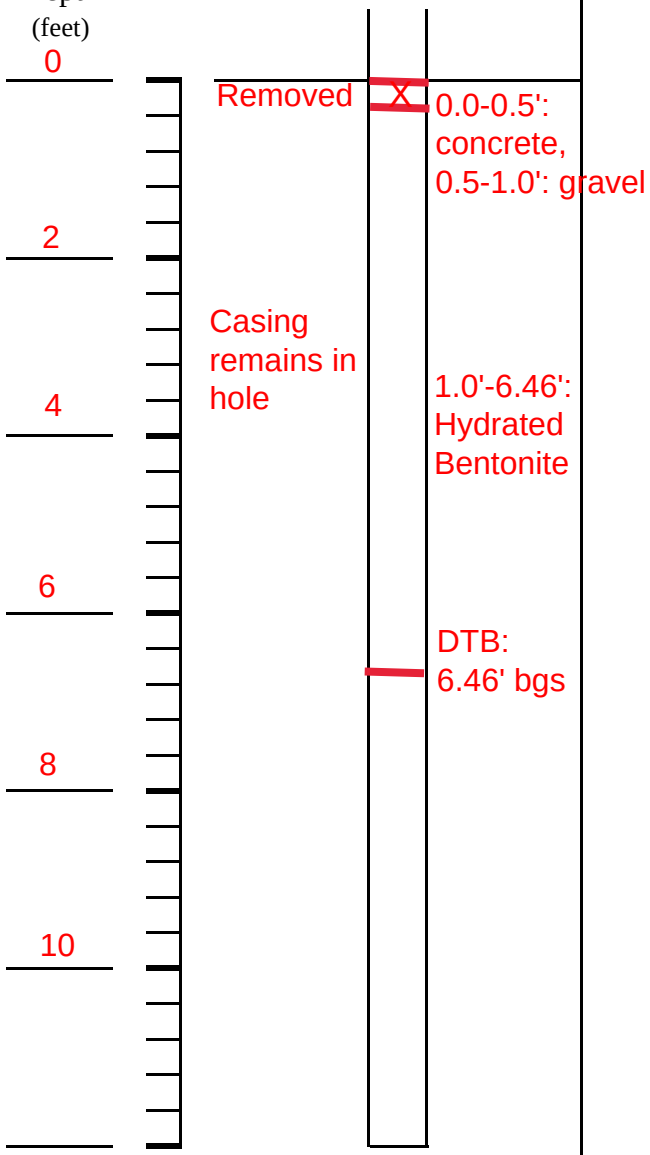
WELL DECOMMISSIONING RECORD

Site Name: NYSDEC - Carriage Cleaners	Well I.D.: VE-4
Site Location: 2101 Monroe Ave, Brighton, NY	Driller: Peter Lyon
Drilling Co.: GES	Inspector: Peter Lyon
	Date: 3/18/25

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	Casing Cut
Casing retrieved (feet)	0.1667 (2")
Casing type/dia. (in)	2"
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	0.125
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	5
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	

WELL SCHEMATIC*



COMMENTS:

Steel casing cut 2" bgs, casing filled with bentonite to 1.0' bgs and hydrated, 0.5-1.0' gravel, 0.0-0.5' concrete

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

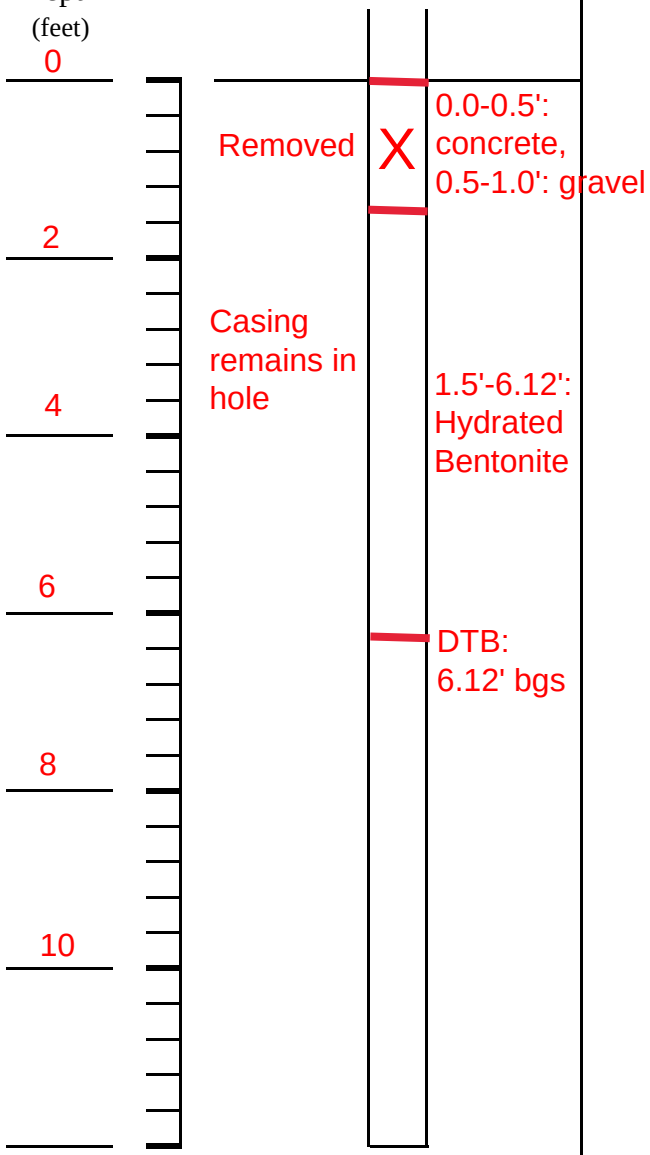
WELL DECOMMISSIONING RECORD

Site Name: NYSDEC - Carriage Cleaners	Well I.D.: VE-5
Site Location: 2101 Monroe Ave, Brighton, NY	Driller: Peter Lyon
Drilling Co.: GES	Inspector: Peter Lyon
	Date: 3/18/25

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	Casing Cut
Casing retrieved (feet)	1.5'
Casing type/dia. (in)	2"
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	0.125
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	5
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	

WELL SCHEMATIC*



COMMENTS:

Steel casing cut 1.5' bgs, casing filled with bentonite to 1.0' bgs and hydrated, 0.5-1.0' gravel, 0.0-0.5' concrete

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

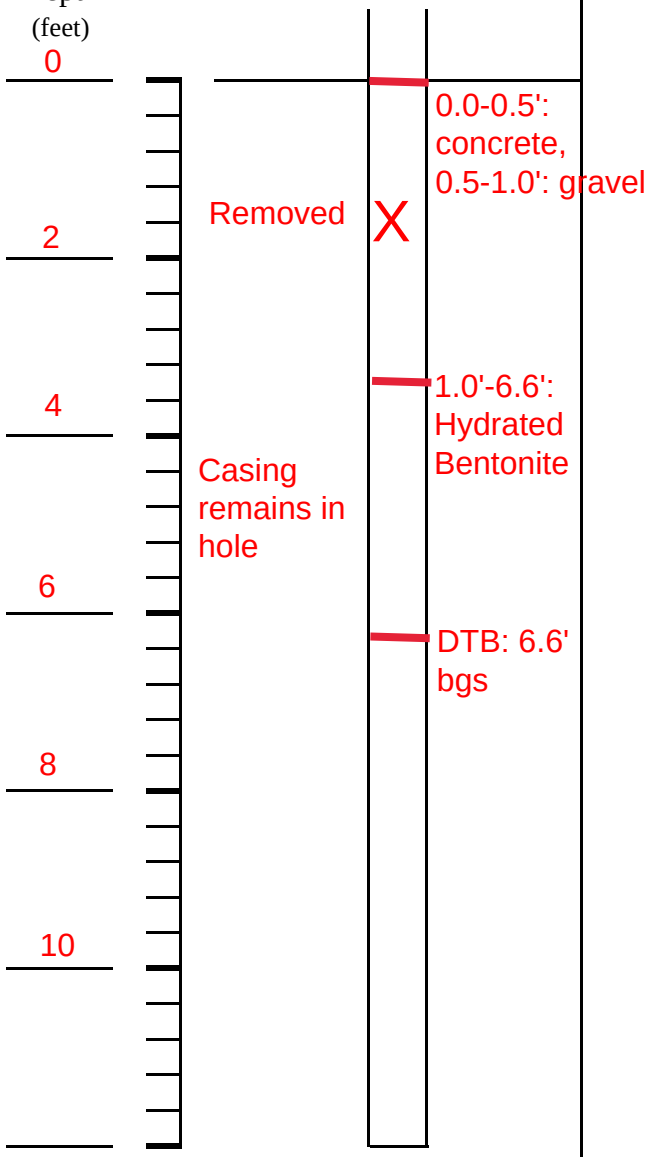
WELL DECOMMISSIONING RECORD

Site Name: NYSDEC - Carriage Cleaners	Well I.D.: VE-6
Site Location: 2101 Monroe Ave, Brighton, NY	Driller: Peter Lyon
Drilling Co.: GES	Inspector: Peter Lyon
	Date: 3/18/25

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	Casing Cut
Casing retrieved (feet)	3.5'
Casing type/dia. (in)	2"
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	0.125
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	5
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	

WELL SCHEMATIC*



COMMENTS:

Steel casing cut 3.5' bgs, casing filled with bentonite to 1.0' bgs and hydrated, 0.5-1.0' gravel, 0.0-0.5' concrete

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

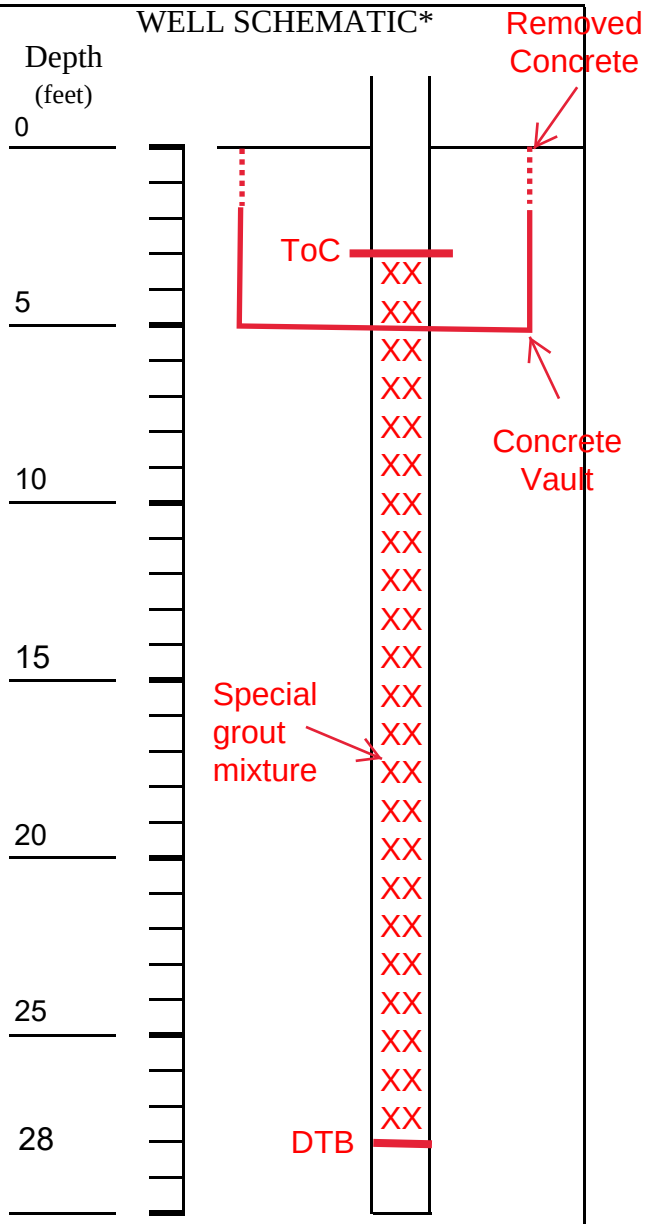
WELL DECOMMISSIONING RECORD

Site Name: NYSDEC - Carriage Cleaners	Well I.D.: EW-1
Site Location: 2101 Monroe Ave, Brighton, NY	Driller: Nick Ander
Drilling Co.: Matrix Environmental	Inspector: Owen Ogiony
	Date: 5/27/25

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	28-3'
# of batches prepared	2
For each batch record:	
Quantity of water used (gal.)	30
Quantity of cement used (lbs.)	376
Cement type	Portland type 1
Quantity of bentonite used (lbs.)	15.6
Quantity of calcium chloride used (lbs.)	8 oz liquid
Volume of grout prepared (gal.)	approx 60
Volume of grout used (gal.)	approx 60

WELL SCHEMATIC*



COMMENTS:
Removed concrete vault to 20' bgs, crush conrete and use as backfill,
place flowable fill in vault to 12" bgs, allow to cure >24 hours, place 6" lift of stone,
place 6" lift of topsoil, seed and cover with straw

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

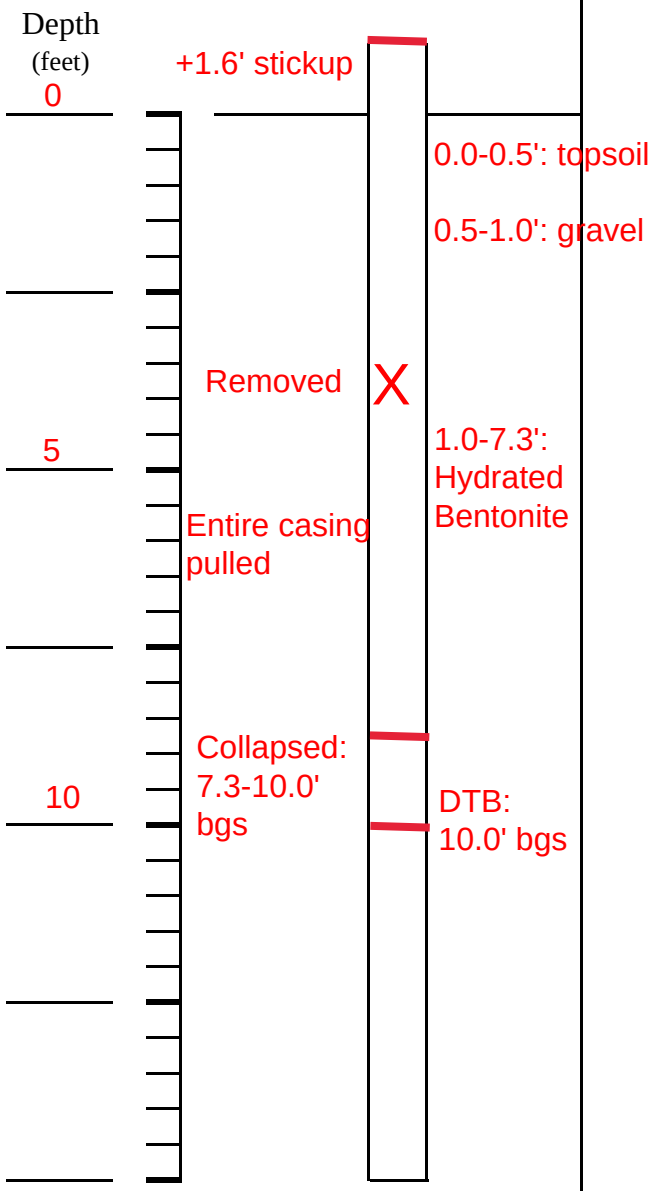
WELL DECOMMISSIONING RECORD

Site Name: NYSDEC - Carriage Cleaners	Well I.D.: VP-1
Site Location: 2101 Monroe Ave, Brighton, NY	Driller: Peter Lyon
Drilling Co.: GES	Inspector: Owen Ogiony
	Date: 10/24/25

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	Pull
Casing retrieved (feet)	11.6
Casing type/dia. (in)	1"
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	7 cups
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	7 cups
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	

WELL SCHEMATIC*



COMMENTS:

1" PVC casing pulled, casing filled with bentonite to 1.0' bgs and hydrated, 0.5-1.0' gravel, 0.0-0.5' topsoil

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

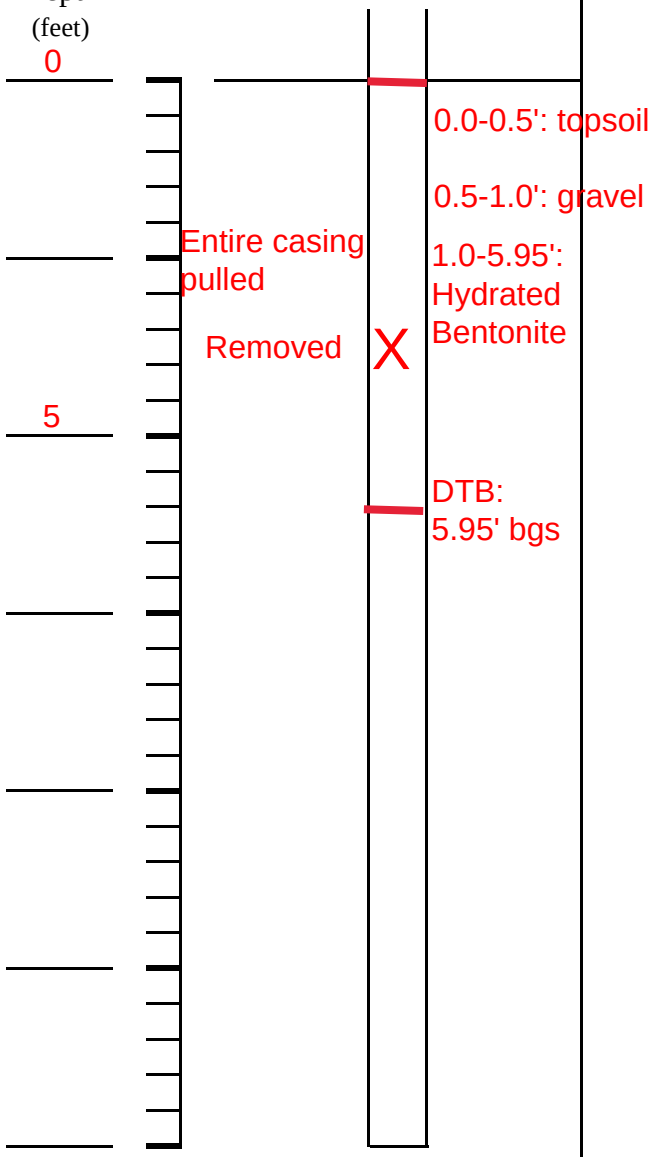
WELL DECOMMISSIONING RECORD

Site Name: NYSDEC - Carriage Cleaners	Well I.D.: VP-2
Site Location: 2101 Monroe Ave, Brighton, NY	Driller: Peter Lyon
Drilling Co.: GES	Inspector: Owen Ogiony
	Date: 10/24/25

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	Pull
Casing retrieved (feet)	5.95
Casing type/dia. (in)	1"
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	6 cups
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	6 cups
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	

WELL SCHEMATIC*



COMMENTS:

Roadbox removed. 1" PVC casing pulled, casing filled with bentonite to 1.0' bgs and hydrated, 0.5-1.0' gravel, 0.0-0.5' topsoil

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: NYSDEC - Carriage Cleaners	Well I.D.: VP-3
Site Location: 2101 Monroe Ave, Brighton, NY	Driller: Peter Lyon
Drilling Co.: GES	Inspector: Owen Ogiony
	Date: 10/23/25

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING
- Interval Drilled
- Drilling Method(s)
- Borehole Dia. (in.)
- Temporary Casing Installed? (y/n)
- Depth temporary casing installed
- Casing type/dia. (in.)
- Method of installing

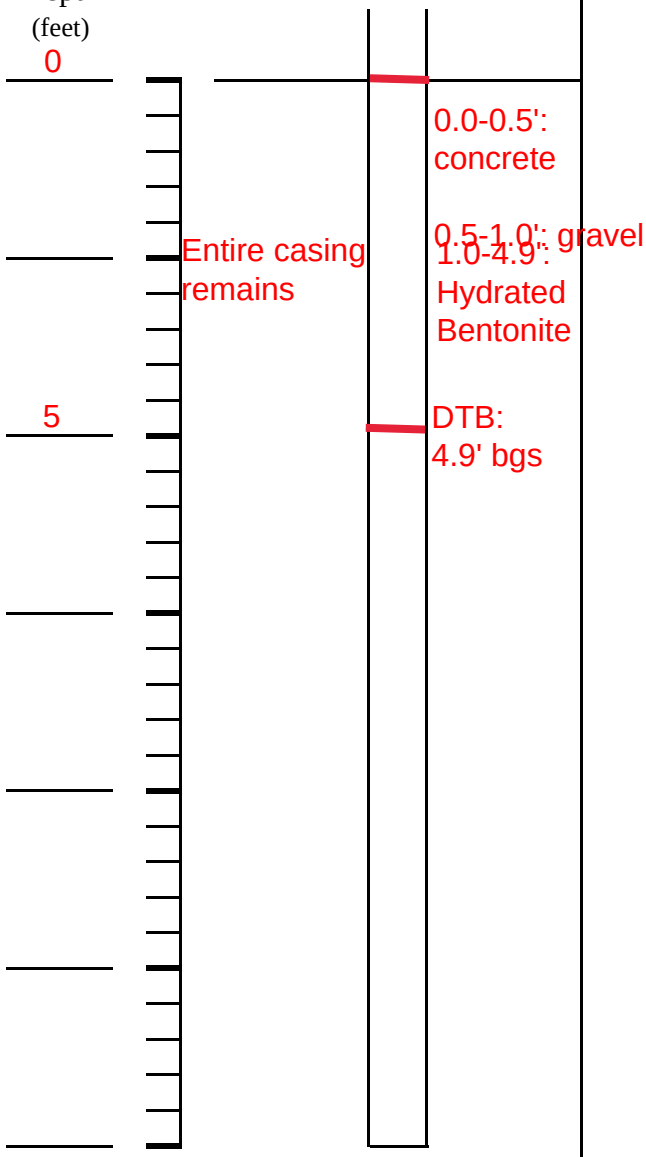
CASING PULLING
- Method employed
- Casing retrieved (feet)
- Casing type/dia. (in)

CASING PERFORATING
- Equipment used
- Number of perforations/foot
- Size of perforations
- Interval perforated

GROUTING
- Interval grouted (FBLS)
- # of batches prepared

For each batch record:
- Quantity of water used (gal.): 4 cups
- Quantity of cement used (lbs.)
- Cement type
- Quantity of bentonite used (lbs.): 4 cups
- Quantity of calcium chloride used (lbs.)
- Volume of grout prepared (gal.)
- Volume of grout used (gal.)

WELL SCHEMATIC*



COMMENTS:

1" PVC Casing can't be pulled or cut, casing filled with bentonite to 1.0' bgs and hydrated, 0.5-1.0' gravel, 0.0-0.5' concrete

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

WELL DECOMMISSIONING RECORD

Site Name: NYSDEC - Carriage Cleaners	Well I.D.: VP-4
Site Location: 2101 Monroe Ave, Brighton, NY	Driller: Peter Lyon
Drilling Co.: GES	Inspector: Owen Ogiony
	Date: 10/23/25

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING
- Interval Drilled
- Drilling Method(s)
- Borehole Dia. (in.)
- Temporary Casing Installed? (y/n)
- Depth temporary casing installed
- Casing type/dia. (in.)
- Method of installing

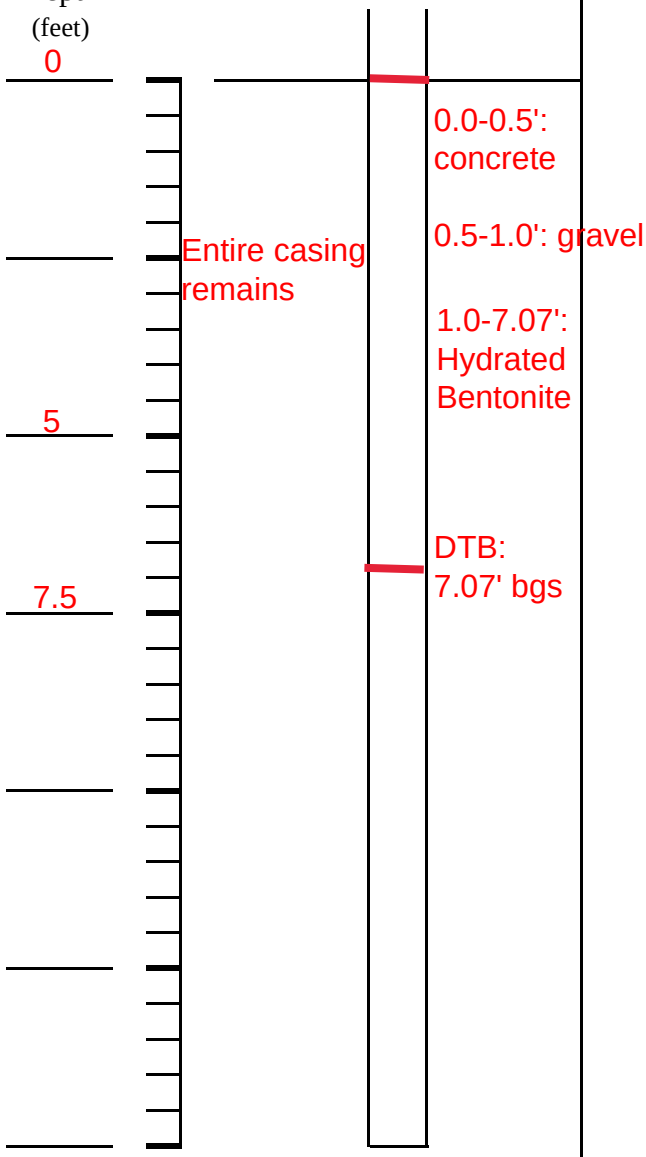
CASING PULLING
- Method employed
- Casing retrieved (feet)
- Casing type/dia. (in)

CASING PERFORATING
- Equipment used
- Number of perforations/foot
- Size of perforations
- Interval perforated

GROUTING
- Interval grouted (FBLS)
- # of batches prepared

For each batch record:
- Quantity of water used (gal.): 7 cups
- Quantity of cement used (lbs.)
- Cement type
- Quantity of bentonite used (lbs.): 7 cups
- Quantity of calcium chloride used (lbs.)
- Volume of grout prepared (gal.)
- Volume of grout used (gal.)

WELL SCHEMATIC*



COMMENTS:

1" PVC Casing can't be pulled or cut, casing filled with bentonite to 1.0' bgs and hydrated, 0.5-1.0' gravel, 0.0-0.5' concrete

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

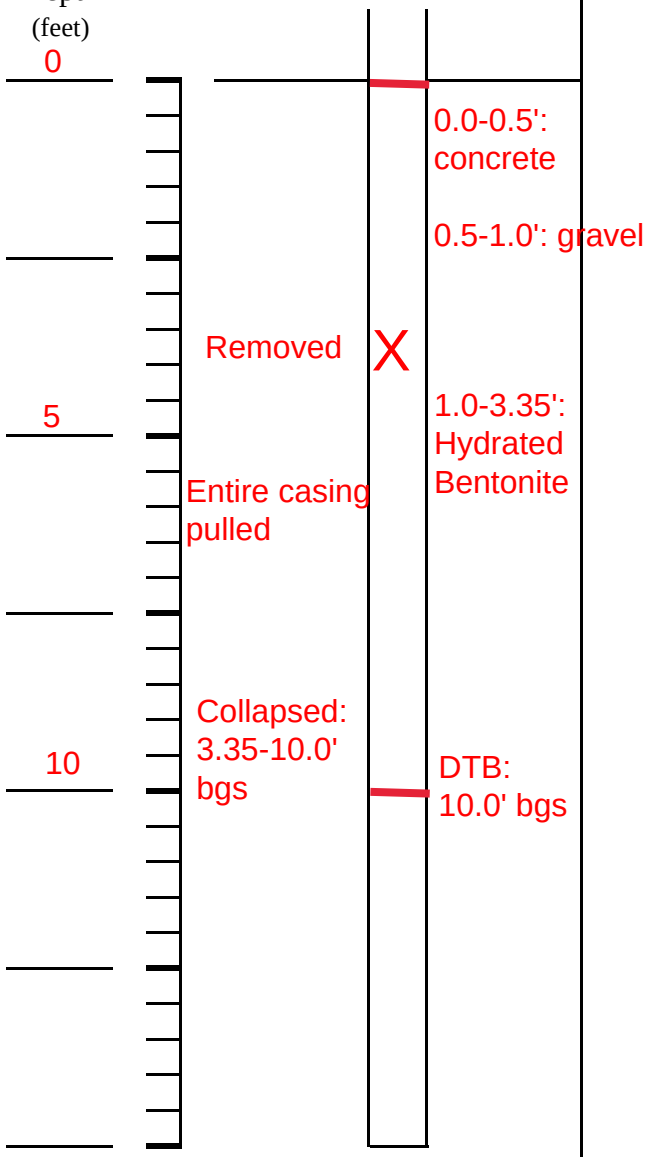
WELL DECOMMISSIONING RECORD

Site Name: NYSDEC - Carriage Cleaners	Well I.D.: VP-5
Site Location: 2101 Monroe Ave, Brighton, NY	Driller: Peter Lyon
Drilling Co.: GES	Inspector: Owen Ogiony
	Date: 10/23/25

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	Pull
Casing retrieved (feet)	10.0
Casing type/dia. (in)	2"
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	10 cups
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	10 cups
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	

WELL SCHEMATIC*



COMMENTS:
2" PVC casing pulled, casing filled with bentonite to 1.0' bgs
and hydrated, 0.5-1.0' gravel, 0.0-0.5' concrete

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

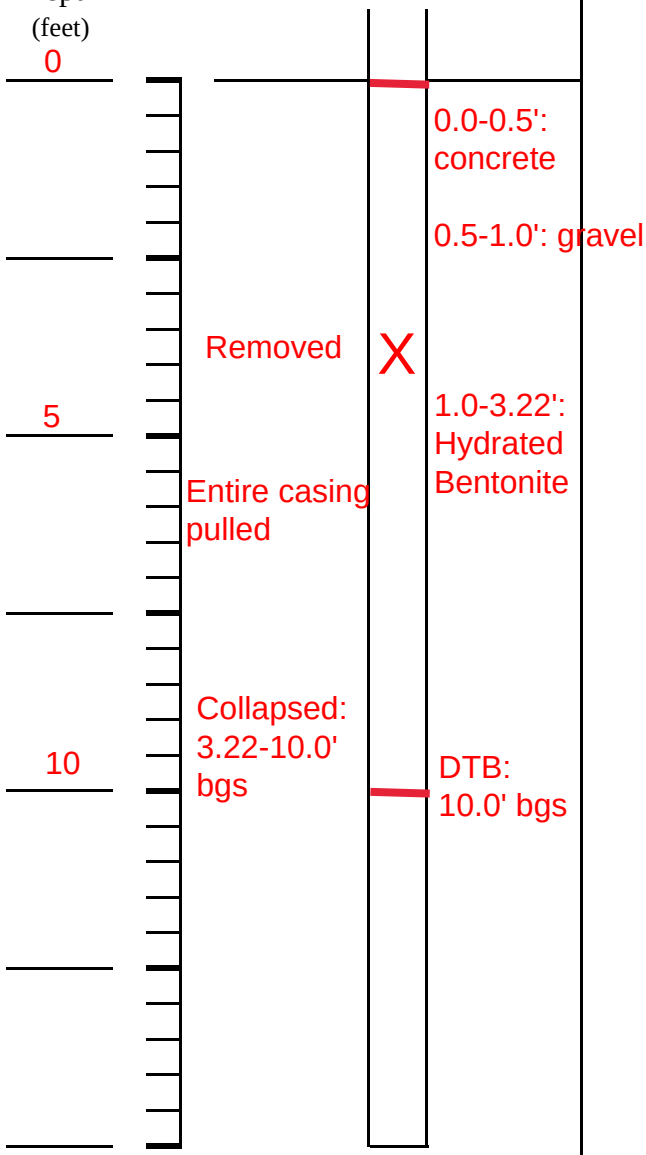
WELL DECOMMISSIONING RECORD

Site Name: NYSDEC - Carriage Cleaners	Well I.D.: VP-7
Site Location: 2101 Monroe Ave, Brighton, NY	Driller: Peter Lyon
Drilling Co.: GES	Inspector: Owen Ogiony
	Date: 10/23/25

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	Pull
Casing retrieved (feet)	10.0
Casing type/dia. (in)	1"
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	10 cups
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	10 cups
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	

WELL SCHEMATIC*



COMMENTS:
2" PVC casing pulled, casing filled with bentonite to 1.0' bgs
and hydrated, 0.5-1.0' gravel, 0.0-0.5' concrete

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

FIGURE 3

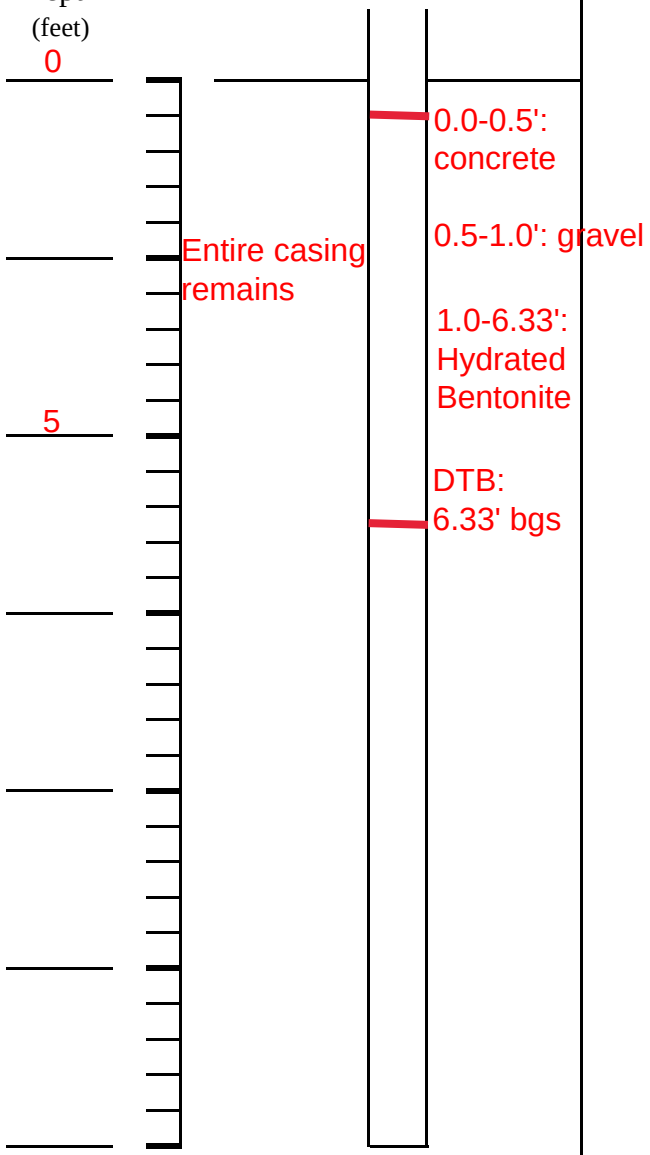
WELL DECOMMISSIONING RECORD

Site Name: NYSDEC - Carriage Cleaners	Well I.D.: VP-8
Site Location: 2101 Monroe Ave, Brighton, NY	Driller: Peter Lyon
Drilling Co.: GES	Inspector: Owen Ogiony
	Date: 10/23/25

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	Cut
Casing retrieved (feet)	0-0.5'
Casing type/dia. (in)	2"
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	
# of batches prepared	
For each batch record:	
Quantity of water used (gal.)	6 cups
Quantity of cement used (lbs.)	
Cement type	
Quantity of bentonite used (lbs.)	6 cups
Quantity of calcium chloride used (lbs.)	
Volume of grout prepared (gal.)	
Volume of grout used (gal.)	

WELL SCHEMATIC*



COMMENTS:

2" PVC casing 0-0.5' cut and removed, casing filled with bentonite to 1.0' bgs and hydrated, 0.5-1.0' gravel, 0.0-0.5' concrete

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Drilling Contractor

Department Representative

Appendix F – NYEIA Electrical Certificate

Electrical Certificate

New York Electrical Inspection Agency, Inc.

2767 Dewey Avenue
Rochester, New York 14616
Office: (585) 436-4460 Fax: (585) 349-3834
www.NYEIA.com

Inspection Date:	02/15/2024
Application Number #:	24JR-0127
Certificate#:	65998A
Premises of:	Carriage Cleaners
Address Inspected:	2101 Monroe Ave.
Type of Property:	Commercial
Inspection of:	Remodel
Municipality:	Brighton, Town Of
County:	Monroe County
Permit Number:	
Inspected By:	Jim Reid
Installed By:	Trec Enviormental
Code Reference:	NFPA 70-2017
Equipment:	(1) A/C Disconnect - 20 amps - 3 phase, (1) Components --- Other --- (Rayden replacement blower system installed)

The equipment listed above has been visually inspected and was found to be in accordance with the standards and rules set forth by the New York Electrical Inspection Agency, Inc. , the National Electrical Code (NEC), the applicable Municipality, and the applicable utility company on the date listed above and does not apply to the manufacture or use of the wiring or any components.

No warranty is expressed or implied as to the efficiency, maintenance, repair, or wearing qualities and the New York Electrical Inspection Agency, Inc. shall not be liable for any damages resulting from any deficiency or error in the specifications or plans, including reconstruction, repairs, or any property damage, personal injury or death.

This certificate shall be valid for one (1) year from the date listed above and shall be null and void if any alterations or changes have been made to the electrical installation. This certificate is nontransferable. New York Electrical Inspection Agency, Inc. shall have the opportunity of making inspections upon request, and if its rules are violated, the New York Electrical Inspection Agency, Inc. shall have the right to invalidate this certificate.

Fritz Gunther
Chief Electrical Inspector

SCAN TO VALIDATE

Appendix G – Vacuum Testing Results

NYSDEC Site #828120
Carriage Cleaners-Brighton

SSDS Start-Up Monitoring

Date: 2/16/2024 Tech: P, Lyon

At arrival record all readings for TMP/VP points and each active SS-leg before adjusting:

Time: 2:00:00 PM

Monitoring Point	Vacuum (i.w)
TMP-1	-0.001
TMP-2	-0.074
TMP-3	-0.038
TMP-4	-0.004
TMP-5	-0.001
TMP-6	-0.055
TMP-7	-0.002
TMP-8	-0.041
TMP-9	-0.002
TMP-10	-0.024
TMP-11	0.000
TMP-12	0.000
TMP-13	-0.007
VP-3	-0.042
VP-4	-0.068
VP-5	-0.044
VP-6	-0.023
VP-7	-0.021
VP-9	-0.030
SS-5	-0.011

Well	Vacuum (i.w.)	Flow (cfm)	Temp (F)	% Open
SS-1	-2.03	16.66	54.8	100
SS-2	-1.88	48.62	58.1	100
SS-3	-2.29	31.8	53.6	100
SS-4	-1.97	145.9	57.4	100
SS-5	--	--	--	0

Document from System:

Pre-K/o Vacuum (i.w.):	3	
Dilution % open:	0	
Vacuum pre-blower/post particulate filter:		32
Post-blower pressure:	0	
Post-Blower Temperature:	80	

Notes:
i.w. = inches of water
cfm= cubic feet per minute
F = Farenheit
K/o = Knockout
% = percent

NYSDEC Site #828120
Carriage Cleaners-Brighton

SSDS Start-Up Monitoring

Date: 3/18/2024 Tech: O. Ogiony

At arrival record all readings for TMP/VP points and each active SS-leg before adjusting:

Time: 10:00:00 AM

Monitoring Point	Vacuum (i.w)
TMP-1	-0.049
TMP-2	-0.181
TMP-3	-0.126
TMP-4	-0.020
TMP-5	-0.012
TMP-6	-0.009
TMP-8	-0.275
TMP-9	-0.009
TMP-10	-0.085
TMP-11	-0.005
TMP-12	-0.001
TMP-13	-0.204
VP-3	-0.149
VP-4	-0.306
VP-5	-0.214
VP-6	-0.114
VP-7	-0.139
VP-9	-0.109

Well	Vacuum (i.w.)	Flow (cfm)	Temp (F)
SS-1	-4.118	16.65	58.5
SS-2	-3.125	54.65	60
SS-3	-4.031	34.5	58
SS-4	-0.001	0.01	60
SS-5	-4.081	16.5	59

Document from System:

Pre-K/o Vacuum (i.w.):	5	
Dilution % open:	0	
Vacuum pre-blower/post particulate filter:		40
Post-blower pressure:	0	
Post-Blower Temperature:	90	

Notes:
i.w. = inches of water
cfm= cubic feet per minute
F = Farenheit
K/o = Knockout
% = percent

NYSDEC Site #828120
Carriage Cleaners-Brighton

SSDS Start-Up Monitoring

Test start time: 10:40:00 PM Date: 3/18/2024

Document from System at start:

Pre-K/o Vacuum (i.w.):	5	
Dilution % open:	50	
Vacuum pre-blower/post particulate filter:		20
Post-blower pressure:	0	
Post-Blower Temperature:	75	

Monitoring Point	TMP-1	TMP-2	TMP-3	TMP-4	TMP-5	TMP-6	TMP-8	TMP-9	TMP-10
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
Start	0.000	-0.004	-0.161	-0.008	-0.007	-0.008	0.000	0.000	-0.003
20 min	-0.001	0.000	-0.160	-0.007	-0.006	-0.008	0.000	0.000	-0.001
40 min	0.000	0.000	-0.159	-0.008	-0.008	-0.008	0.000	0.000	-0.003
60 min	0.000	-0.001	-0.160	-0.008	-0.006	-0.008	0.000	0.000	-0.003

Monitoring Point	TMP-11	TMP-12	TMP-13	VP-3	VP-4	VP-5	VP-6	VP-7	VP-9
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
Start	0.000	0.004	-0.002	-0.129	-0.278	-0.220	-0.122	-0.012	-0.111
20 min	0.000	0.006	-0.002	-0.126	-0.275	-0.221	-0.120	-0.010	-0.107
40 min	0.000	0.005	0.000	-0.126	-0.274	-0.219	-0.120	-0.014	-0.107
60 min	0.000	0.004	-0.002	-0.126	-0.274	-0.220	-0.120	-0.015	-0.108

Extraction Point	SS-1		
Minutes after start	Vacuum (i.w)	Flow (CFM)	Temp (F)
Start	-5.350	17.500	54.000
20 min	-5.350	18.300	54.000
40 min	-5.350	23.500	55.000
60 min	-5.350	23.100	56.000

*All other SS exraction legs are off

Notes:
i.w. = inches of water
cfm= cubic feet per minute
F = Farenheit
K/o = Knockout
% = percent

NYSDEC Site #828120
Carriage Cleaners-Brighton

SSDS Start-Up Monitoring

Test start time: 12:25:00 PM Date: 3/18/2024

Document from System at start:

Pre-K/o Vacuum (i.w.):	5	
Dilution % open:	25	
Vacuum pre-blower/post particulate filter:		30
Post-blower pressure:	0	
Post-Blower Temperature:	75	

Monitoring Point	TMP-1	TMP-2	TMP-3	TMP-4	TMP-5	TMP-6	TMP-8	TMP-9	TMP-10
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
35 min	0.000	0.000	-0.001	-0.012	0.002	-0.002	-0.335	-0.009	-0.095
45 min	0.000	0.000	-0.002	-0.012	0.003	-0.003	-0.335	-0.008	-0.093
55 min	0.000	0.000	-0.003	-0.012	0.000	-0.004	-0.334	-0.009	-0.095

Monitoring Point	TMP-11	TMP-12	TMP-13	VP-3	VP-4	VP-5	VP-6	VP-7	VP-9
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
35 min	0.000	0.009	0.000	0.000	0.000	0.000	-0.005	-0.006	0.000
45 min	0.000	0.008	0.000	0.000	0.000	0.000	-0.006	-0.006	0.000
55 min	0.000	0.009	0.000	0.000	0.000	0.000	-0.008	-0.005	0.000

Extraction Point	SS-2		
Minutes after start	Vacuum (i.w)	Flow (CFM)	Temp (F)
35 min	-4.020	68.500	68.500
45 min	-4.010	66.000	60.000
55 min	-4.020	67.000	59.000

*All other SS exraction legs are off

Notes:
i.w. = inches of water
cfm= cubic feet per minute
F = Farenheit
K/o = Knockout
% = percent

NYSDEC Site #828120
Carriage Cleaners-Brighton

SSDS Start-Up Monitoring

Test start time: 1:40:00 PM Date: 3/18/2024

Document from System at start:

Pre-K/o Vacuum (i.w.):	5.5	
Dilution % open:	50	
Vacuum pre-blower/post particulate filter:		20
Post-blower pressure:	0	
Post-Blower Temperature:	45	

Monitoring Point	TMP-1	TMP-2	TMP-3	TMP-4	TMP-5	TMP-6	TMP-8	TMP-9	TMP-10
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
5 min	-0.051	-0.007	0.000	0.000	0.000	-0.011	0.000	0.000	0.000
20 min	-0.050	-0.009	0.000	0.000	0.000	-0.011	0.000	0.000	0.000
30 min	-0.048	-0.006	0.000	0.000	0.000	-0.011	0.000	0.000	0.000

Monitoring Point	TMP-11	TMP-12	TMP-13	VP-3	VP-4	VP-5	VP-6	VP-7	VP-9
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
5 min	-0.002	-0.003	-0.253	-0.007	-0.065	-0.035	0.000	-0.027	-0.009
20 min	0.000	0.004	-0.248	-0.008	-0.065	-0.035	0.000	-0.031	-0.011
30 min	0.000	0.004	-0.250	-0.009	-0.065	-0.037	0.000	-0.029	-0.008

Extraction Point	SS-5		
Minutes after start	Vacuum (i.w)	Flow (CFM)	Temp (F)
5 min	-5.250	19.500	NR
20 min	-5.220	20.000	NR
30 min	-5.250	20.000	NR

*All other SS exraction legs are off

Notes:
i.w. = inches of water
cfm= cubic feet per minute
F = Farenheit
K/o = Knockout
% = percent

NYSDEC Site #828120
Carriage Cleaners-Brighton

SSDS Start-Up Monitoring

Test start time: 2:40:00 PM Date: 3/18/2024

Document from System at start:

Pre-K/o Vacuum (i.w.):	13.5	
Dilution % open:	30	
Vacuum pre-blower/post particulate filter:		28
Post-blower pressure:	0	
Post-Blower Temperature:	75	

Monitoring Point	TMP-1	TMP-2	TMP-3	TMP-4	TMP-5	TMP-6	TMP-8	TMP-9	TMP-10
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
10 min	-0.124	-0.028	-0.006	0.000	0.000	0.000	0.000	0.000	0.000
20 min	-0.120	-0.023	-0.007	0.000	0.000	0.000	0.000	0.000	0.000
35 min	-0.123	-0.025	-0.007	0.000	0.000	0.000	0.000	0.000	0.000

Monitoring Point	TMP-11	TMP-12	TMP-13	VP-3	VP-4	VP-5	VP-6	VP-7	VP-9
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
5 min	-0.001	0.000	-0.633	-0.023	-0.082	-0.081	0.000	-0.082	-0.020
20 min	0.000	0.000	-0.063	-0.023	-0.080	-0.081	0.000	-0.085	-0.020
30 min	0.000	0.000	-0.621	-0.022	-0.078	-0.080	0.000	-0.081	-0.020

Extraction Point	SS-5		
Minutes after start	Vacuum (i.w)	Flow (CFM)	Temp (F)
5 min	-13.170	50.500	NR
20 min	-13.090	50.750	NR
30 min	-13.030	51.500	NR

*All other SS exraction legs are off

Notes:
i.w. = inches of water
cfm= cubic feet per minute
F = Farenheit
K/o = Knockout
% = percent

NYSDEC Site #828120
Carriage Cleaners-Brighton

SSDS Start-Up Monitoring

Test start time: 9:05:00 AM Date: 3/19/2024

Document from System at start:

Pre-K/o Vacuum (i.w.):	20.5	
Dilution % open:	10	
Vacuum pre-blower/post particulate filter:		38
Post-blower pressure:	0	
Post-Blower Temperature:	80	

Monitoring Point	TMP-1	TMP-2	TMP-3	TMP-4	TMP-5	TMP-6	TMP-8	TMP-9	TMP-10
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
5 min	-0.189	-0.044	-0.009	0.000	0.000	-0.008	0.000	0.000	0.000
25 min	-0.186	-0.046	-0.010	0.000	0.000	-0.006	0.000	0.000	0.000
35 min	-0.184	-0.041	-0.011	0.000	0.000	-0.014	0.000	0.000	0.000
55 min	-0.185	-0.042	-0.011	0.000	0.000	-0.011	0.000	0.000	0.000

Monitoring Point	TMP-11	TMP-12	TMP-13	VP-3	VP-4	VP-5	VP-6	VP-7	VP-9
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
5 min	-0.005	-0.003	-0.945	-0.021	-0.245	-0.126	-0.008	-0.133	-0.035
25 min	-0.005	-0.002	-0.941	-0.042	-0.234	-0.123	-0.010	-0.131	-0.034
35 min	-0.003	-0.004	-0.935	-0.041	-0.248	-0.128	-0.008	-0.127	-0.035
55 min	-0.003	-0.004	-0.938	-0.041	-0.247	-0.125	-0.010	-0.128	-0.033

Extraction Point	SS-5		
Minutes after start	Vacuum (i.w)	Flow (CFM)	Temp (F)
5 min	Max-OOR	67.500	55.000
25 min	Max-OOR	70.000	63.000
35 min	Max-OOR	70.000	65.000
55 min	Max-OOR	70.000	NR

*All other SS exraction legs are off

Notes:
i.w. = inches of water
cfm= cubic feet per minute
F = Farenheit
K/o = Knockout
% = percent

NYSDEC Site #828120
Carriage Cleaners-Brighton

SSDS Start-Up Monitoring

Test start time: 10:20:00 AM Date: 3/19/2024

Document from System at start:

Pre-K/o Vacuum (i.w.):	5.5	
Dilution % open:	4	
Vacuum pre-blower/post particulate filter:		22
Post-blower pressure:	0	
Post-Blower Temperature:	75	

Monitoring Point	TMP-1	TMP-2	TMP-3	TMP-4	TMP-5	TMP-6	TMP-8	TMP-9	TMP-10
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
20 min	-0.002	-0.208	0.000	0.000	0.000	-0.005	0.000	0.000	0.000
30 min	-0.003	-0.202	0.000	0.000	0.000	-0.007	0.000	0.000	0.000
45 min	-0.004	-0.208	0.000	0.000	0.000	-0.003	0.000	0.000	0.000
70 min	-0.003	-0.207	0.000	0.000	0.000	-0.002	0.000	0.000	0.000

Monitoring Point	TMP-11	TMP-12	TMP-13	VP-3	VP-4	VP-5	VP-6	VP-7	VP-9
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
20 min	-0.001	0.002	-0.014	-0.025	-0.025	-0.010	0.000	-0.100	-0.006
30 min	0.000	0.002	-0.010	-0.025	-0.027	-0.010	0.000	-0.107	-0.008
45 min	-0.003	0.002	-0.010	-0.027	-0.026	-0.006	0.000	-0.104	-0.007
70 min	0.000	0.002	-0.011	-0.026	-0.027	-0.007	0.000	-0.106	-0.008

Extraction Point	SS-3		
Minutes after start	Vacuum (i.w)	Flow (CFM)	Temp (F)
20 min	-5.075	49.800	62.000
30 min	-5.075	44.000	62.000
45 min	-5.060	45.500	65.000
70 min	-5.050	46.000	62.000

*All other SS exraction legs are off

Notes:
i.w. = inches of water
cfm= cubic feet per minute
F = Farenheit
K/o = Knockout
% = percent

NYSDEC Site #828120
Carriage Cleaners-Brighton

SSDS Start-Up Monitoring

Test start time: 2:00:00 PM Date: 3/19/2024

Document from System at start:

Pre-K/o Vacuum (i.w.):	5	
Dilution % open:	0	
Vacuum pre-blower/post particulate filter:		34
Post-blower pressure:	0	
Post-Blower Temperature:	85	

Monitoring Point	TMP-1	TMP-2	TMP-3	TMP-4	TMP-5	TMP-6	TMP-8	TMP-9	TMP-10
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
30 min	0.000	0.000	0.000	0.000	0.000	-0.097	0.000	0.000	0.000
50 min	-0.002	0.000	0.000	0.000	0.000	-0.107	0.000	0.000	0.000
65 min	-0.002	0.000	0.000	0.000	0.000	-0.092	0.000	0.000	0.000

Monitoring Point	TMP-11	TMP-12	TMP-13	VP-3	VP-4	VP-5	VP-6	VP-7	VP-9
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
30 min	0.000	-0.005	-0.001	0.000	0.000	0.000	0.000	0.000	0.000
50 min	-0.001	-0.004	-0.003	0.000	0.000	0.000	0.000	0.000	0.000
65 min	0.000	-0.001	-0.001	0.000	0.000	0.000	0.000	0.000	0.000

Extraction Point	SS-4		
Minutes after start	Vacuum (i.w)	Flow (CFM)	Temp (F)
30 min	-2.229	134.790	71.000
50 min	-2.350	124.500	69.000
65 min	-2.321	132.000	69.000

*All other SS exraction legs are off

Notes:
i.w. = inches of water
cfm= cubic feet per minute
F = Farenheit
K/o = Knockout
% = percent

NYSDEC Site #828120
Carriage Cleaners-Brighton

SSDS Start-Up Monitoring

Test start time: 1:10:00 PM Date: 3/19/2024

Document from System at start:

Pre-K/o Vacuum (i.w.):	5	
Dilution % open:	0	
Vacuum pre-blower/post particulate filter:		34
Post-blower pressure:	0	
Post-Blower Temperature:	75	

Comment: max pressure, approx 5 i.w.

Monitoring Point	TMP-1	TMP-2	TMP-3	TMP-4	TMP-5	TMP-6	TMP-8	TMP-9	TMP-10
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
Start	-0.049	-0.212	-0.130	-0.007	-0.001	-0.007	-0.275	-0.008	-0.075
15 min	-0.048	-0.214	-0.145	inaccessible	-0.018	-0.011	-0.288	-0.007	-0.090
30 min	-0.050	-0.212	-0.147	-0.024	-0.017	-0.009	-0.290	-0.007	-0.091

Monitoring Point	TMP-11	TMP-12	TMP-13	VP-3	VP-4	VP-5	VP-6	VP-7	VP-9
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
Start	-0.002	-0.002	-0.227	-0.157	-0.325	-0.231	-0.103	-0.146	-0.112
15 min	-0.002	0.000	-0.250	-0.160	-0.334	-0.224	-0.116	-0.153	-0.112
30 min	-0.002	0.000	-0.226	-0.155	-0.321	-0.229	-0.119	-0.168	-0.110

Extraction Point	SS-1			SS-2			SS-3		
Minutes after start	Vacuum (i.w)	Flow (CFM)	Temp (F)	Vacuum (i.w)	Flow (CFM)	Temp (F)	Vacuum (i.w)	Flow (CFM)	Temp (F)
Start	-4.506	21.460	63.000	-3.420	61.480	66.000	-4.140	45.380	60.000
15 min	-4.472	18.130	70.000	-3.391	63.300	71.000	-4.376	45.640	68.000
30 min	-4.440	19.610	73.000	-3.371	63.100	74.000	-4.354	44.150	70.000

SS-5		
Vacuum (i.w)	Flow (CFM)	Temp (F)
-4.472	18.310	56.000
-4.430	20.000	68.000
-4.422	21.230	68.000

Notes:
i.w. = inches of water
cfm= cubic feet per minute
F = Farenheit
K/o = Knockout
% = percent

*SS-4 off for this round.

NYSDEC Site #828120
Carriage Cleaners-Brighton

SSDS Start-Up Monitoring

Date: 5/3/2025 Tech: O. Ogiony

At arrival record all readings for TMP/VP points and each active SS-leg before adjusting:

Time: 9:20:00 AM

Monitoring Point	Vacuum (i.w)
TMP-1	-0.05
TMP-2	-0.205
TMP-3	-0.143
TMP-4	-0.027
TMP-5	-0.022
TMP-6	-0.004
TMP-8	-0.298
TMP-9	-0.009
TMP-10	-0.091
TMP-11	-0.015
TMP-12	-0.005
TMP-13	-0.220
VP-3	-0.160
VP-4	-0.208
VP-5	-0.208
VP-6	-0.111
VP-7	-0.136
VP-9	-0.124

Well	Vacuum (i.w.)	Flow (cfm)	Temp (F)	
SS-1	-4.025	370	66	
SS-2	-3.005	1135	66	
SS-3	-3.935	590	59	
SS-4	0	0	66	off
SS-5	-3.975	325	67.5	

Document from System:

Pre-K/o Vacuum (i.w.):	5	
Dilution % open:	0	
Vacuum pre-blower/post particulate filter:		-40
Post-blower pressure:	0	
Post-Blower Temperature:	100	

Notes:
i.w. = inches of water
cfm= cubic feet per minute
F = Farenheit
K/o = Knockout
% = percent

NYSDEC Site #828120
Carriage Cleaners-Brighton

SSDS Start-Up Monitoring

Test start time: 10:10:00 AM Date: 5/3/2024 Comment: SS-4 open only, low flow

Document from System at start:

Pre-K/o Vacuum (i.w.):	5	
Dilution % open:	0	
Vacuum pre-blower/post particulate filter:		-40
Post-blower pressure:	0	
Post-Blower Temperature:	100	

Monitoring Point	TMP-1	TMP-2	TMP-3	TMP-4	TMP-5	TMP-6	TMP-8	TMP-9	TMP-10
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
Start	-0.004	0.000	0.000	0.000	0.000	-0.100	0.000	0.000	0.000
15 min	-0.007	-0.002	0.000	0.000	0.000	-0.102	0.000	0.000	0.000
25 min	-0.006	0.000	0.000	0.000	0.000	-0.102	0.000	0.000	0.000

Monitoring Point	TMP-11	TMP-12	TMP-13	VP-3	VP-4	VP-5	VP-6	VP-7	VP-9
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
Start	0.000	-0.008	-0.004	0.000	0.000	0.000	0.000	-0.007	-0.002
15 min	-0.002	-0.010	-0.006	0.000	0.000	0.000	0.000	-0.005	0.000
25 min	-0.002	-0.010	-0.004	0.000	-0.001	0.000	0.000	-0.004	0.000

Extraction Point	SS-4		
Minutes after start	Vacuum (i.w)	Flow (CFM)	Temp (F)
Start	-2.000	2460.0	66.0
15 min	-2.000	2270.0	66.0
25 min	-1.995	2300.0	67.0

*All other SS exraction legs are off

Notes:
i.w. = inches of water
cfm= cubic feet per minute
F = Farenheit
K/o = Knockout
% = percent

NYSDEC Site #828120
Carriage Cleaners-Brighton

SSDS Start-Up Monitoring

Test start time: 1:20:00 PM Date: 5/3/2024 Comment: SS-4 open only, low flow, apply plumber's putty to suspected leak

Document from System at start:

Pre-K/o Vacuum (i.w.):	-6	
Dilution % open:	0	
Vacuum pre-blower/post particulate filter:		-40
Post-blower pressure:	0	
Post-Blower Temperature:	110	

Monitoring Point	TMP-1	TMP-2	TMP-3	TMP-4	TMP-5	TMP-6	TMP-8	TMP-9	TMP-10
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
Start	-0.011	-0.005	0.000	0.000	0.000	-0.190	0.000	0.000	0.000
10 min	-0.010	-0.005	0.000	0.000	0.000	-0.193	0.000	0.000	0.000
20 min	-0.011	-0.004	0.000	0.000	0.000	-0.193	0.000	0.000	0.000

Monitoring Point	TMP-11	TMP-12	TMP-13	VP-3	VP-4	VP-5	VP-6	VP-7	VP-9
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
Start	-0.004	-0.018	-0.010	0.000	0.000	0.000	0.000	-0.005	0.000
10 min	-0.004	-0.018	-0.009	0.000	0.000	0.000	0.000	-0.005	0.000
20 min	-0.004	-0.019	-0.011	0.000	0.000	0.000	0.000	-0.005	0.000

Extraction Point	SS-4		
Minutes after start	Vacuum (i.w)	Flow (CFM)	Temp (F)
Start	-3.020	2480.0	65.0
10 min	-3.020	2460.0	66.0
20 min	-3.020	2420.0	66.0

*All other SS exraction legs are off

Notes:
i.w. = inches of water
cfm= cubic feet per minute
F = Farenheit
K/o = Knockout
% = percent

NYSDEC Site #828120
Carriage Cleaners-Brighton

SSDS Start-Up Monitoring

Test start time: 2:05:00 PM Date: 5/3/2024 Comment: All legs open, still short circuiting at SS-4, test stopped before all readings collected

Document from System at start:

Pre-K/o Vacuum (i.w.):	3	
Dilution % open:	0	
Vacuum pre-blower/post particulate filter:		38
Post-blower pressure:	0	
Post-Blower Temperature:	110	

Monitoring Point	TMP-1	TMP-2	TMP-3	TMP-4	TMP-5	TMP-6	TMP-8	TMP-9	TMP-10
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
30 Min	--	--	-0.059	-0.007	-0.006	--	-0.134	-0.003	-0.037

Monitoring Point	TMP-11	TMP-12	TMP-13	VP-3	VP-4	VP-5	VP-6	VP-7	VP-9
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
30 Min	--	--	--	--	--	-0.081	-0.044	--	--

Extraction Point	SS-1			SS-2			SS-3		
Minutes after start	Vacuum (i.w)	Flow (CFM)	Temp (F)	Vacuum (i.w)	Flow (CFM)	Temp (F)	Vacuum (i.w)	Flow (CFM)	Temp (F)
30 Min	-1.705	150.0	72.0	-1.143	650.0	73.0	-1.650	350.0	72.0

	SS-4			SS-5		
	Vacuum (i.w)	Flow (CFM)	Temp (F)	Vacuum (i.w)	Flow (CFM)	Temp (F)
	-1.015	1330.0	72.0	-1.666	185.0	72.0

Notes:
i.w. = inches of water
cfm= cubic feet per minute
F = Farenheit
K/o = Knockout
% = percent

NYSDEC Site #828120
Carriage Cleaners-Brighton

SSDS Start-Up Monitoring

Test start time: 2:30:00 PM Date: 5/3/2024 Comment: SS-4 closed, final test before leaving site

Document from System at start:

Pre-K/o Vacuum (i.w.):	5	
Dilution % open:	0	
Vacuum pre-blower/post particulate filter:		40
Post-blower pressure:	0	
Post-Blower Temperature:	110	

Monitoring Point	TMP-1	TMP-2	TMP-3	TMP-4	TMP-5	TMP-6	TMP-8	TMP-9	TMP-10
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
30 Min	-0.050	-0.201	-0.140	-0.023	-0.019	-0.006	-0.205	-0.008	-0.086

Monitoring Point	TMP-11	TMP-12	TMP-13	VP-3	VP-4	VP-5	VP-6	VP-7	VP-9
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
30 Min	-0.017	-0.006	-0.214	-0.122	-0.270	-0.193	-0.105	-0.133	-0.117

Extraction Point	SS-1			SS-2			SS-3		
Minutes after start	Vacuum (i.w)	Flow (CFM)	Temp (F)	Vacuum (i.w)	Flow (CFM)	Temp (F)	Vacuum (i.w)	Flow (CFM)	Temp (F)
30 Min	-3.825	327.0	73.0	-2.868	1230.0	73.0	-3.766	700.0	73.0

	SS-4			SS-5		
	Vacuum (i.w)	Flow (CFM)	Temp (F)	Vacuum (i.w)	Flow (CFM)	Temp (F)
	Off	Off	Off	-3.875	325.0	73.0

Notes:
i.w. = inches of water
cfm= cubic feet per minute
F = Farenheit
K/o = Knockout
% = percent

NYSDEC Site #828120
Carriage Cleaners-Brighton

SSDS Start-Up Monitoring

Date: 5/6/2024 Tech: O. Ogiony

At arrival record all readings for TMP/VP points and each active SS-leg before adjusting:

Time: 9:30:00 AM

Monitoring Point	Vacuum (i.w)
TMP-1	-0.052
TMP-2	-0.201
TMP-3	-0.139
TMP-4	-0.026
TMP-5	-0.022
TMP-6	-0.004
TMP-8	-0.293
TMP-9	-0.009
TMP-10	-0.089
TMP-11	-0.017
TMP-12	-0.005
TMP-13	-0.218
VP-3	-0.130
VP-4	-0.292
VP-5	-0.208
VP-6	-0.112
VP-7	-0.138
VP-9	-0.116

Well	Vacuum (i.w.)	Flow (cfm)	Temp (F)	
SS-1	-3.908	14.25	65	
SS-2	-2.933	53.75	65	
SS-3	-3.83	33.5	63	
SS-4	0	0	65	off
SS-5	-3.866	15.6	65	

Document from System:

Pre-K/o Vacuum (i.w.):	5	
Dilution % open:	0	
Vacuum pre-blower/post particulate filter:		41
Post-blower pressure:	0	
Post-Blower Temperature:	105	

Notes:
i.w. = inches of water
cfm= cubic feet per minute
F = Farenheit
K/o = Knockout
% = percent

NYSDEC Site #828120
Carriage Cleaners-Brighton

SSDS Start-Up Monitoring

Test start time: 11:15:00 AM Date: 5/6/2024

Document from System at start:

Pre-K/o Vacuum (i.w.):	5.5	
Dilution % open:	0	
Vacuum pre-blower/post particulate filter:		41
Post-blower pressure:	0	
Post-Blower Temperature:	105	

Monitoring Point	TMP-1	TMP-2	TMP-3	TMP-4	TMP-5	TMP-6	TMP-8	TMP-9	TMP-10
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
Start	-0.012	-0.005	0.000	0.000	0.000	-0.195	0.000	0.000	0.000
25 min	-0.011	-0.005	0.000	0.000	0.000	-0.192	0.000	0.000	0.000
35 min	-0.011	-0.005	0.000	0.000	0.000	-0.191	0.000	0.000	0.000

Monitoring Point	TMP-11	TMP-12	TMP-13	VP-3	VP-4	VP-5	VP-6	VP-7	VP-9
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
Start	-0.005	-0.021	-0.012	0.000	0.000	0.000	0.000	-0.007	0.000
20 min	-0.006	-0.019	-0.011	0.000	0.000	0.000	0.000	-0.007	0.000
60 min	-0.006	-0.020	-0.011	0.000	0.000	0.000	0.000	-0.007	0.000

Extraction Point	SS-4 (100% open)		
Minutes after start	Vacuum (i.w)	Flow (CFM)	Temp (F)
Start	-3.025	108.0	65.0
20 min	-3.025	108.0	65.0
60 min	-3.030	108.0	66.0

*All other SS exraction legs are off

Notes:
i.w. = inches of water
cfm= cubic feet per minute
F = Farenheit
K/o = Knockout
% = percent

NYSDEC Site #828120
Carriage Cleaners-Brighton

SSDS Start-Up Monitoring

Test start time: 11:55:00 AM Date: 5/6/2024

Document from System at start:

Pre-K/o Vacuum (i.w.):	9.5	
Dilution % open:	0	
Vacuum pre-blower/post particulate filter:		42
Post-blower pressure:	0	
Post-Blower Temperature:	110	

Monitoring Point	TMP-1	TMP-2	TMP-3	TMP-4	TMP-5	TMP-6	TMP-8	TMP-9	TMP-10
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
Start	-0.012	-0.004	0.000	0.000	0.000	-0.186	0.000	0.000	0.000
10 min	-0.012	-0.005	0.000	0.000	0.000	-0.019	0.000	0.000	0.000
20 min	-0.012	-0.005	0.000	0.000	0.000	-0.019	0.000	0.000	0.000

Monitoring Point	TMP-11	TMP-12	TMP-13	VP-3	VP-4	VP-5	VP-6	VP-7	VP-9
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
Start	-0.005	-0.018	-0.011	0.000	0.000	0.000	0.000	-0.006	0.000
10 min	-0.004	-0.017	-0.011	0.000	0.000	0.000	0.000	-0.007	0.000
20 min	-0.004	-0.018	-0.011	0.000	0.000	0.000	0.000	-0.007	0.000

Extraction Point	SS-4 (50% open)		
Minutes after start	Vacuum (i.w)	Flow (CFM)	Temp (F)
Start	-2.860	103.0	67.0
10 min	-2.860	103.0	67.0
20 min	-2.860	104.0	67.0

*All other SS exraction legs are off

Notes:
i.w. = inches of water
cfm= cubic feet per minute
F = Farenheit
K/o = Knockout
% = percent

NYSDEC Site #828120
Carriage Cleaners-Brighton

SSDS Start-Up Monitoring

Test start time: 1:15:00 PM Date: 5/6/2024

Document from System at start:	All legs open (SS-4 50%)	
Pre-K/o Vacuum (i.w.):	3	
Dilution % open:	0	
Vacuum pre-blower/post particulate filter:		40
Post-blower pressure:	0	
Post-Blower Temperature:	110	

Monitoring Point	TMP-1	TMP-2	TMP-3	TMP-4	TMP-5	TMP-6	TMP-8	TMP-9	TMP-10
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
75 Min	-0.032	-0.110	-0.076	-0.013	-0.011	-0.058	-0.172	-0.004	-0.050

Monitoring Point	TMP-11	TMP-12	TMP-13	VP-3	VP-4	VP-5	VP-6	VP-7	VP-9
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
75 Min	-0.011	-0.007	-0.122	-0.074	-0.050	-0.112	-0.061	-0.078	-0.064

Extraction Point	SS-1			SS-2			SS-3		
Minutes after start	Vacuum (i.w)	Flow (CFM)	Temp (F)	Vacuum (i.w)	Flow (CFM)	Temp (F)	Vacuum (i.w)	Flow (CFM)	Temp (F)
75 Min	-2.150	8.5	67.0	-1.530	35.0	67.0	-2.135	20.6	67.0
				SS-4			SS-5		
				Vacuum (i.w)	Flow (CFM)	Temp (F)	Vacuum (i.w)	Flow (CFM)	Temp (F)
				-0.600	46.5	67.0	-2.125	12.5	67.0

Notes:
i.w. = inches of water
cfm= cubic feet per minute
F = Farenheit
K/o = Knockout
% = percent

NYSDEC Site #828120
Carriage Cleaners-Brighton

SSDS Start-Up Monitoring

Test start time: 11:30:00 AM Date: 5/8/2024

Document from System at start:	All SS legs open, SS-4 open 50%	
Pre-K/o Vacuum (i.w.):	3	
Dilution % open:	0	
Vacuum pre-blower/post particulate filter:		40
Post-blower pressure:	0	
Post-Blower Temperature:	105	

Monitoring Point	TMP-1	TMP-2	TMP-3	TMP-4	TMP-5	TMP-6	TMP-8	TMP-9	TMP-10
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
Start	-0.030	-0.101	-0.068	-0.011	-0.009	-0.092	-0.163	-0.004	-0.047
30 min	-0.033	-0.103	-0.070	-0.012	-0.006	-0.081	-0.162	-0.004	-0.046
60 min	-0.030	-0.102	-0.071	-0.011	-0.007	-0.078	-0.161	-0.004	-0.046

Monitoring Point	TMP-11	TMP-12	TMP-13	VP-3	VP-4	VP-5	VP-6	VP-7	VP-9
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
Start	-0.010	-0.007	-0.110	-0.060	-0.137	-0.111	-0.061	-0.060	-0.060
30 min	-0.010	-0.009	-0.110	-0.059	-0.146	-0.105	-0.079	-0.066	-0.068
60 min	-0.009	-0.009	-0.112	-0.061	-0.144	-0.102	-0.078	-0.060	-0.060

Extraction Point	SS-1			SS-2			SS-3		
Minutes after start	Vacuum (i.w)	Flow (CFM)	Temp (F)	Vacuum (i.w)	Flow (CFM)	Temp (F)	Vacuum (i.w)	Flow (CFM)	Temp (F)
Start	-1.965	7.0	68.0	-1.375	34.0	68.0	-1.955	18.5	67.0
30 min	-1.950	7.8	68.0	-1.370	33.5	69.0	-1.945	19.5	68.0
60 min	-1.955	8.0	68.0	-1.365	33.0	69.0	-1.945	19.5	68.0

	SS-4			SS-5		
	Vacuum (i.w)	Flow (CFM)	Temp (F)	Vacuum (i.w)	Flow (CFM)	Temp (F)
	-0.735	51.0	68.0	-1.920	7.8	68.0
	-0.720	46.5	67.0	-1.915	7.5	67.0
	-0.720	46.5	67.0	-1.910	7.5	67.0

Notes:
i.w. = inches of water
cfm= cubic feet per minute
F = Farenheit
K/o = Knockout
% = percent

NYSDEC Site #828120
Carriage Cleaners-Brighton

SSDS Start-Up Monitoring

Test start time: 12:00:00 AM Date: 5/8/2024

Document from System at start:	All SS legs open	
Pre-K/o Vacuum (i.w.):	3	
Dilution % open:	0	
Vacuum pre-blower/post particulate filter:		40
Post-blower pressure:	0	
Post-Blower Temperature:	100	

Monitoring Point	TMP-1	TMP-2	TMP-3	TMP-4	TMP-5	TMP-6	TMP-8	TMP-9	TMP-10
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
Start	-0.027	-0.084	-0.057	-0.008	-0.005	-0.078	-0.138	-0.004	-0.038
30 min	-0.029	-0.086	-0.060	-0.010	-0.006	-0.091	-0.138	-0.004	-0.039
60 min	-0.028	-0.085	-0.054	-0.010	-0.006	-0.092	-0.138	-0.004	-0.039

Monitoring Point	TMP-11	TMP-12	TMP-13	VP-3	VP-4	VP-5	VP-6	VP-7	VP-9
Minutes after start	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)	Vacuum (i.w)
Start	-0.008	-0.008	-0.093	-0.060	-0.117	-0.088	-0.048	-0.060	-0.046
30 min	-0.007	-0.009	-0.103	-0.061	-0.115	-0.030	-0.050	-0.061	-0.042
60 min	-0.008	-0.009	-0.098	-0.061	-0.012	-0.082	-0.048	-0.061	-0.043

Extraction Point	SS-1			SS-2			SS-3		
Minutes after start	Vacuum (i.w)	Flow (CFM)	Temp (F)	Vacuum (i.w)	Flow (CFM)	Temp (F)	Vacuum (i.w)	Flow (CFM)	Temp (F)
Start	-1.675	7.3	67.0	-1.650	14.8	67.0	-1.125	30.0	68.0
30 min	-1.655	6.6	68.0	-1.645	15.0	67.0	-1.115	30.5	69.0
60 min	-1.655	7.0	68.0	-1.640	15.0	67.0	-1.115	30.0	69.0

	SS-4			SS-5		
	Vacuum (i.w)	Flow (CFM)	Temp (F)	Vacuum (i.w)	Flow (CFM)	Temp (F)
	-1.000	5.0	66.0	-1.620	7.0	66.0
	-0.990	57.5	66.0	-1.660	7.0	67.0
	-0.990	57.0	66.0	-1.620	7.0	67.0

Notes:
i.w. = inches of water
cfm= cubic feet per minute
F = Farenheit
K/o = Knockout
% = percent

NYSDEC Site #828120
Carriage Cleaners-Brighton

SSDS Start-Up Monitoring

Date: 6/6/2024 Tech: O. Ogiony

At arrival record all readings for TMP/VP points and each active SS-leg before adjusting:

Time: 7:00:00 AM

Monitoring Point	Vacuum (i.w)
TMP-1	-0.033
TMP-2	-0.107
TMP-3	-0.075
TMP-4	-0.014
TMP-5	-0.011
TMP-6	-0.067
TMP-8	-0.168
TMP-9	-0.005
TMP-10	-0.049
TMP-11	-0.013
TMP-12	-0.012
TMP-13	-0.115
VP-3	-0.081
VP-4	-0.151
VP-5	-0.099
VP-6	-0.054
VP-7	-0.067
VP-9	-0.075

Well	Vacuum (i.w.)	Flow (cfm)	Temp (F)	% Open
SS-1	-2.015	8.8	75	100
SS-2	-1.415	62.6	76	100
SS-3	-2.000	19.5	76	100
SS-4	-0.075	49	75	50
SS-5	-1.960	8.4	74	100

Document from System:

Pre-K/o Vacuum (i.w.):	3	
Dilution % open:	0	
Vacuum pre-blower/post particulate filter:		40
Post-blower pressure:	0	
Post-Blower Temperature:	115	

Notes:
i.w. = inches of water
cfm= cubic feet per minute
F = Farenheit
K/o = Knockout
% = percent

Appendix H – Indoor and Outdoor Air Sampling Results Letters

Groundwater & Environmental Services, Inc.
6010 North Bailey Avenue, Suite 1
Amherst, NY 14226
T. 800.287.7857

December 6, 2024

Mr. Charles Gregory
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

Re: Sub Slab Depressurization System (SSDS)
Post Conversion Sampling Results Letter
NYSDEC Site 828120
Carriage Cleaners - Brighton
2101 Monroe Avenue
Brighton, New York

Dear Mr. Gregory:

Groundwater & Environmental Services, Inc. (GES) has prepared this Sub Slab Depressurization System (SSDS) Post Conversion Sampling Results Letter under contract to the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER), and by request of the engineer, Earth and Environment Engineering and Geology, P.C. (EEEG), for remedial activities at the subject site #818120 addressed at 2101 Monroe Avenue in Brighton, New York (the Site). A sub-slab depressurization system was installed, monitored and optimized from October 2023 to May 2024, the details of which will be completed in a subsequent report that will report the system commissioning. Following the installation of the system, GES conducted indoor air sampling on June 6, 2024 followed by indoor air tetrachloroethylene (PCE) screening on November 15, 2024. The tasks completed during the aforementioned sampling events are detailed below.

Indoor Air Sampling

On June 6, 2024, GES conducted indoor air sampling as described herein. Upon arrival onsite, GES confirmed the system was operational and collected sub-slab vacuum readings at the test monitoring points (TMP-1 through TMP-13, VP-3 through VP-7, and VP-9). The test monitoring point vacuum readings were reviewed by the GES project manager and EEEG, who confirmed sufficient vacuum was observed at each point prior to collecting the indoor air samples. The test monitoring point vacuum readings are tabulated in **Table 1**. Once sufficient vacuum was confirmed by GES and EEEG, the onsite GES personnel collected indoor air samples as follows:

- One indoor air sample near VP-4, relatively central in the building.
- One outdoor ambient air sample.
- One grab sample from the system exhaust.

In addition to the above a duplicate sample was collected at the indoor air location. All samples were collected using a certified 6-Liter stainless steel Summa canister provided by ConTest Laboratories (ConTest), a Pace Analytical Laboratory, of East Longmeadow, Massachusetts. ConTest is a New York State Environmental Laboratory Approved Program (NYSELAP) certified laboratory. With the exception of the grab sample from the system, all samples were collected with an eight-hour regulator. The sample locations with respect to the site layout are illustrated on **Figure 1**.

Upon collection of the sample canisters, the samples were submitted to ConTest under chain of custody (CoC) for laboratory analysis of the contents of the Summa cannisters utilizing Method TO-15. ConTest was also instructed to prepare a NYSDEC Analytical Services Protocol (ASP) Category B laboratory data package, which is included as **Appendix A**. Field data collected during the indoor air sample event conducted June 6, 2024 are tabulated in **Table 2**. The laboratory analytical results were tabulated in **Table 3**.

Post-Indoor Air Sampling Activities and Indoor Air PCE Screening

Due to the detections of various chlorinated volatile organic compounds (CVOCs) including tetrachloroethylene (PCE) from the June 6, 2024 indoor air sampling results, concerns were raised regarding apparent PCE drums in the back utility room at the east of the building. In addition, it was considered that there could be possible failures in the seal in the triangular room at the west of the building behind the service desk area. As such, the seal was removed and reapplied on July 31, 2024, with follow up screening using a RAE Systems© ppb RAE 2000 photoionization detector (ppbRAE) with an 11.7 electron-Volt lamp on August 7, 2024, after the suggested cure time for the seal. There were no detections of VOCs in the airspace at breathing level and about one foot above the floor; however, four of the five screening locations had detections from 168 to 600 ppb at about 0.5” above the sealant. The details of the seal application will be reported in the aforementioned report that will detail the system commissioning. The screening locations and detections are illustrated on **Figure 2**.

Based on the June 6, 2024 indoor air sampling results, and the August 7, 2024 ppbRAE screening results, and per discussions with EEEG and DEC, GES coordinated and conducted indoor air screening of PCE. The PCE screening was conducted on November 15, 2024 using Gastec glass tube samplers and a GSP-501FT Gastec Automatic Sampling Pump. The PCE screening was conducted twice (i.e., 1A-TP-1A and 1A-TP-1B) at each indoor air detector tube sampling location. Details and specifications for the Gastec glass tubes, including sampling procedures and evaluation are included in **Appendix B**.

During the indoor air PCE screening, portable vapor monitoring equipment readings were recorded at the start and end of each test, as well as monitored during the duration of the test, utilizing a ppbRAE. Additionally, conditions were recorded that could affect reading the results of

the Gastec glass tube sampler. These included indoor and outdoor air temperature, humidity, and air pressure at the start time of collecting each sample. The data recorded as well as the test results are tabulated in **Table 4a**. In addition, chemicals that were in the rooms where screening occurred were recorded. Due to the number of chemicals in the back utility room to the east of the building, they have been tabulated in **Table 4b**.

The sample locations with respect to the site layout are illustrated on **Figure 3**. A photographic log of the PCE glass tube sample locations and the glass tube samplers following the sample duration are included in **Appendix C**.

Conclusions:

- The indoor air PCE screening indicates that there are not current detections of PCE in the building or related to the floor sealant.
- There drums that are in the utility room at the back of the building that need to be addressed by the property owner. Based on the indoor air PCE screening, it is assumed these drums will not affect future indoor air sampling.
- Based on a discussion with EEEG following the indoor air PCE screening, GES and EEEG recommend conducting another round of indoor air sampling via the Summa canisters.
- Per discussions with EEEG, any additional indoor air sampling via Summa canisters should only be conducted if the drums in the utility room have been removed from the building for a minimum of 24 hours prior to air sampling activities.

Upon approval of the recommended indoor air sampling via Summa canisters, as suggested in the bullet above, GES will begin coordinating the sample event. If you have any questions, please contact Thomas Palmer at (800) 287-7857 (ext. 4346).

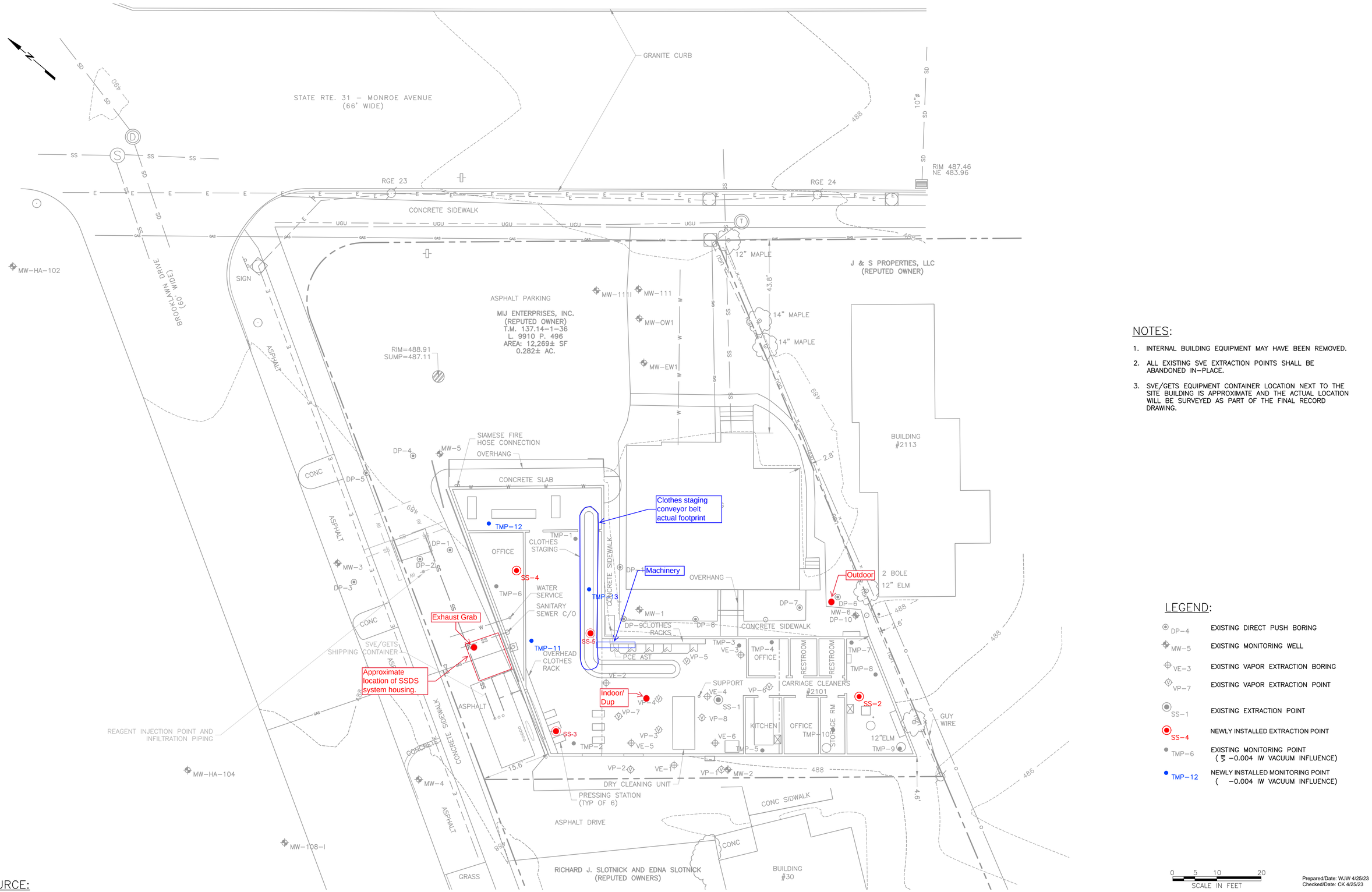
Sincerely,

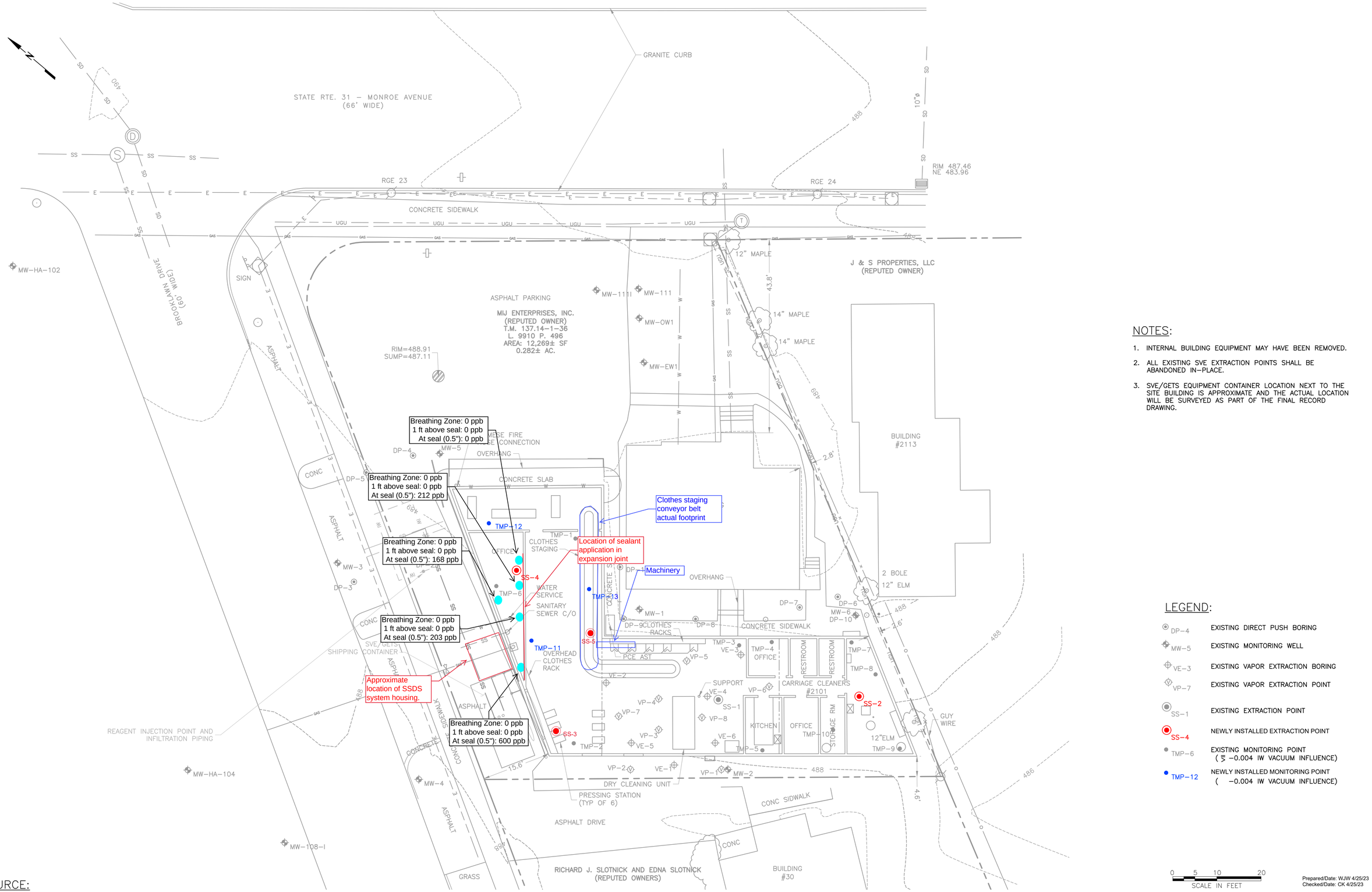
Groundwater & Environmental Services, Inc.

Thomas Palmer
Senior Project Manager

Nicole A. Lindner
Project Geologist

Figures


STATE RTE. 31 – MONROE AVENUE
(66' WIDE)
GRANITE CURB
RIM 487.46
NE 483.96
RGE 23
RGE 24
CONCRETE SIDEWALK
MW–HA–102
BROOKLAWN DRIVE
(60' WIDE)
SIGN
ASPHALT PARKING
MIJ ENTERPRISES, INC.
(REPUTED OWNER)
T.M. 137.14–1–36
L. 9910 P. 496
AREA: 12,269± SF
0.282± AC.
J & S PROPERTIES, LLC
(REPUTED OWNER)
12" MAPLE
14" MAPLE
14" MAPLE
MW–1111
MW–111
MW–OW1
MW–EW1
RIM=488.91
SUMP=487.11
SIAMESE FIRE
HOSE CONNECTION
OVERHANG
CONCRETE SLAB
BUILDING
#2113
Clothes staging
conveyor belt
actual footprint
TMP–12
TMP–1
CLOTHES
STAGING
OFFICE
SS–4
WATER
SERVICE
SANITARY
SEWER C/O
TMP–6
TMP–13
CONCRETE SIDEWALK
Machinery
OVERHANG
Outdoor
2 BOLE
12" ELM
DP–6
MW–6
DP–10
DP–7
MW–1
DP–9
CLOTHES
RACKS
DP–8
CONCRETE SIDEWALK
Exhaust Grab
SS–5
TMP–11
OVERHEAD
CLOTHES
RACK
PCE AST
TMP–3
VE–3
TMP–4
OFFICE
RESTROOM
RESTROOM
TMP–7
TMP–8
VP–5
VE–2
SVE/GETS
SHIPPING CONTAINER
Approximate
location of SSDS
system housing.
SUPPORT
VE–4
VP–6
CARRIAGE CLEANERS
#2101
Indoor/
Dup
VP–4
VP–7
SS–1
VP–8
SS–2
SS–3
TMP–2
VP–3
VE–5
VE–6
KITCHEN
OFFICE
TMP–10
STORAGE RM
TMP–5
12"ELM
TMP–9
GUY
WIRE
REAGENT INJECTION POINT AND
INFILTRATION PIPING
MW–HA–104
MW–4
VP–2
VE–1
VP–1
MW–2
DRY CLEANING UNIT
PRESSING STATION
(TYP OF 6)
CONC SIDWALK
ASPHALT DRIVE
MW–108–I
GRASS
RICHARD J. SLOTNICK AND EDNA SLOTNICK
(REPUTED OWNERS)
BUILDING
#30
CONC
ASPHALT
DP–4
MW–5
DP–5
DP–1
DP–2
MW–3
DP–3
488
486
43.8'
2.8'
4.6'
15.6'
429
429
429



NOTES:

1. INTERNAL BUILDING EQUIPMENT MAY HAVE BEEN REMOVED.
2. ALL EXISTING SVE EXTRACTION POINTS SHALL BE ABANDONED IN-PLACE.
3. SVE/GETS EQUIPMENT CONTAINER LOCATION NEXT TO THE SITE BUILDING IS APPROXIMATE AND THE ACTUAL LOCATION WILL BE SURVEYED AS PART OF THE FINAL RECORD DRAWING.

LEGEND:

DP-4	EXISTING DIRECT PUSH BORING
MW-5	EXISTING MONITORING WELL
VE-3	EXISTING VAPOR EXTRACTION BORING
VP-7	EXISTING VAPOR EXTRACTION POINT
SS-1	EXISTING EXTRACTION POINT
SS-4	NEWLY INSTALLED EXTRACTION POINT
TMP-6	EXISTING MONITORING POINT (≤ -0.004 IW VACUUM INFLUENCE)
TMP-12	NEWLY INSTALLED MONITORING POINT (-0.004 IW VACUUM INFLUENCE)

SOURCE:

BASE SURVEY ADAPTED FROM FILE CARRIAGE_3DM.DWG BY POPLI CONSULTING ENGINEERS & SURVEYORS DATED MARCH 30, 2009.

0 5 10 20
SCALE IN FEET

Prepared/Date: WJW 4/25/23
Checked/Date: CK 4/25/23

MACTEC Engineering and Consulting, Inc.
P.O. Box 7050, 511 Congress Street
Portland, Maine 04112-7050
(207) 775-5401

CARRIAGE CLEANERS
BRIGHTON, NEW YORK

NEW YORK STATE OF OPPORTUNITY. Department of Environmental Conservation

Figure 2
ppbRAE Screening Locations

C:\Users\William.whitten\OneDrive - WSP 0365\Projects\Vprodoc1\Carriage Cleaners\VRSOV\Fig 2.1 SSDS.dwg Tue, 25 Apr 2023 - 8:12am william.whitten

GES July 2023 edits:

- Following a discussion with the NYSDEC and MACTEC, in an effort to accomodate the current owner's request to relocated extraction point SS-3 out of the center of the storage area, GES proposes the following as shown on this map:
1. Move SS-3 west toward the wall.
2. Install an additional sub-slab extraction point (for POSSIBLE future use to not yet be connected via piping) - named SS-5 (in the corner by for former PCE ASTs).
3. Relocated monitoring point TMP-11 further north as shown.
4. Install an additional monitoring point TMP-13 to monitor induced vacuum in the vicinity of the northeastern wall of the building as shown.

STATE RTE. 31 – MONROE AVENUE
(66' WIDE)

GRANITE CURB

RGE 23

RGE 24

CONCRETE SIDEWALK

RIM 487.46
NE 483.96

MW-HA-102

BROOKLAWN DRIVE
(60' WIDE)

SIGN

ASPHALT PARKING

MIJ ENTERPRISES, INC.
(REPUTED OWNER)
T.M. 137.14-1-36
L. 9910 P. 496
AREA: 12,269± SF
0.282± AC.

J & S PROPERTIES, LLC
(REPUTED OWNER)

12" MAPLE

14" MAPLE

14" MAPLE

RIM=488.91
SUMP=487.11

MW-1111

MW-111

MW-OW1

MW-EW1

SIAMESE FIRE
HOSE CONNECTION

OVERHANG

CONCRETE SLAB

BUILDING
#2113

2 BOLE
12" ELM

Clothes staging
conveyor belt
actual footprint

IA-TP-1

In breathing zone
near center of the
room

TMP-12

TMP-1

CLOTHES
STAGING

OFFICE

Machinery

OVERHANG

WATER
SERVICE

SANITARY
SEWER C/O

TMP-13

TMP-6

SS-4

IA-TP-2

Floor screening
location as close to
the seal as possible
(equipment on the
floor, note initial
readings were noted
at 0.5" from seal)

TMP-11

SS-5

IA-TP-3

Floor screening
location as close to
the seal as possible
(equipment on the
floor, note initial
readings were noted
at 0.5" from seal)

CLOTHES
RACKS

CONCRETE SIDEWALK

PCE AST

TMP-4
OFFICE

RESTROOM

RESTROOM

TMP-7

TMP-8

SUPPORT

CARRIAGE CLEANERS
#2101

SS-3

SS-2

IA-TP-5

In breathing zone
near PERC drum

KITCHEN

OFFICE
TMP-10

STORAGE RM

12"ELM

TMP-9

GUY
WIRE

TMP-5

TMP-2

DRY CLEANING UNIT

PRESSING STATION
(TYP OF 6)

REAGENT INJECTION POINT AND
INFILTRATION PIPING

MW-HA-104

MW-4

MW-2

MW-1

MW-6

MW-108-I

ASPHALT DRIVE

IA-TP-4

In the approximate
area of the June
indoor air sample,
breathing zone

CONC SIDWALK

RICHARD J. SLOTNICK AND EDNA SLOTNICK
(REPUTED OWNERS)

BUILDING
#30

GRASS

NOTES:

1. INTERNAL BUILDING EQUIPMENT MAY HAVE BEEN REMOVED.
2. ALL EXISTING SVE EXTRACTION POINTS SHALL BE ABANDONED IN-PLACE.
3. SVE/GETS EQUIPMENT CONTAINER LOCATION NEXT TO THE SITE BUILDING IS APPROXIMATE AND THE ACTUAL LOCATION WILL BE SURVEYED AS PART OF THE FINAL RECORD DRAWING.

LEGEND:

DP-4	EXISTING DIRECT PUSH BORING
MW-5	EXISTING MONITORING WELL
VE-3	EXISTING VAPOR EXTRACTION BORING
VP-7	EXISTING VAPOR EXTRACTION POINT
SS-1	EXISTING EXTRACTION POINT
SS-4	NEWLY INSTALLED EXTRACTION POINT
TMP-6	EXISTING MONITORING POINT (≷ -0.004 IW VACUUM INFLUENCE)
TMP-12	NEWLY INSTALLED MONITORING POINT (-0.004 IW VACUUM INFLUENCE)
	PCE TEST POINTS

SOURCE:

BASE SURVEY ADAPTED FROM FILE CARRIAGE_3DM.DWG BY POPLI CONSULTING ENGINEERS & SURVEYORS DATED MARCH 30, 2009.

0 5 10 20
SCALE IN FEET

Prepared/Date: WJW 4/25/23
Checked/Date: CK 4/25/23

MACTEC

MACTEC Engineering and Consulting, Inc.
P.O. Box 7050, 511 Congress Street
Portland, Maine 04112-7050
(207) 775-5401

CARRIAGE CLEANERS
BRIGHTON, NEW YORK

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Figure 3
PCE Screening Locations

C:\Users\william.whitten\OneDrive - WSP_0365\Projects\roysdec1\Carriage Cleaners\PSSV\Fig 2.1 SSDS.dwg Tue, 25 Apr 2023 - 8:12am william.whitten

Tables

Table 1
Test Monitoring Point and System Readings
June 6, 2024
NYSDEC Carriage Cleaners
Brighton New York
NYSDEC Site #828120

Time: 7:00

Monitoring Point	Vacuum (i.w.)
TMP-1	-0.033
TMP-2	-0.107
TMP-3	-0.075
TMP-4	-0.014
TMP-5	-0.011
TMP-6	-0.067
TMP-8	-0.168
TMP-9	-0.005
TMP-10	-0.049
TMP-11	-0.013
TMP-12	-0.012
TMP-13	-0.115
VP-3	-0.081
VP-4	-0.151
VP-5	-0.099
VP-6	-0.054
VP-7	-0.067
VP-9	-0.075

Number = passes vacuum requirement

i.w. = inches of water

cfm = cubic feet per minute

°F = degrees Fahrenheit

K/o = Knockout

% = percent

Well	Vacuum (i.w.)	Flow (cfm)	Temp (°F)
SS-1	-2.015	8.80	75
SS-2	-1.415	32.6	76
SS-3	-2.000	19.5	76
SS-4	-0.750	49.0	75
SS-5	-1.960	8.40	74

Documented from System:

Pre-K/o Vacuum (i.w.):	-3
Dilution % open:	0
Vacuum pre-blower/post particulate filter:	-40
Post-blower pressure:	0
Post-Blower Temperature (°F):	115

Table 2
Air Quality Sampling Field Data
June 6, 2024
NYSDEC Carriage Cleaners
Brighton, New York
NYSDEC Site #828120

Sample ID	Sample Type	Location	Canister Number	Regulator Number	Date Start	Time Start	Pressure Start ("Hg)	Date End	Time End	Pressure End ("Hg)	Comments
Indoor	Indoor Air	Main room, central	1249	5107	6/6/2024	8:28	29	6/6/2024	16:28	15	NA
Outdoor	Outdoor Air	East	p2831	3772	6/6/2024	8:30	28	6/6/2024	16:30	9	NA
Exhaust Grab	System Grab	System Exhaust	1701	7089	6/6/2024	10:00	30	6/6/2024	10:05	5	NA
DUP (Indoor)	Indoor Air	Main room, central	1821	5107	6/6/2024	8:28	29	6/6/2024	16:28	15	NA

Notes:
NA = not applicable
"Hg = inches of mercury

Table 3
Air Analytical Summary - Method TO-15
June 6, 2024
NYSDEC Carriage Cleaners
Brighton New York
NYSDEC Site #828120

Sample ID		Indoor	Outdoor	Exhaust Grab	DUP (Indoor)
Sample Location		Main room, central	East	System Exhaust	Main room, central
Sample Type		Indoor Air	Outdoor Air	System Grab	Indoor Air
Sample Pickup Date		6/6/2024	6/6/2024	6/6/2024	6/6/2024
CAS #	COMPOUND (µg/m^3)				
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND
79-00-5	1,1,2-Trichloroethane	ND	ND	ND	ND
76-13-1	1,1,2-Trichlorotrifluoroethane	0.51 J	0.51 J	0.47 J	0.51 J
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	ND	ND	ND
95-63-6	1,2,4-Trimethylbenzene	1.0	0.18	3.4	0.93
106-93-4	1,2-Dibromoethane (EDB)	ND	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.28	ND	0.82	0.27
541-73-1	1,3-Dichlorobenzene	ND	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	0.38	ND	0.34	0.33
123-91-1	1,4-Dioxane	ND	ND	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.25 J	0.19 J	0.43 J	0.24 J
78-93-3	2-Butanone (MEK)	2.8 J	ND	5.6	2.5 J
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ND	ND	ND
71-43-2	Benzene	0.72	0.078	0.65	0.65
100-44-7	Benzyl chloride	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	0.40 L-03	0.40 L-03	0.41 L-03	0.41 L-03
108-90-7	Chlorobenzene	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND
67-66-3	Chloroform	2.1	0.1 J	2.3	2.1
74-87-3	Chloromethane	1.0	ND	0.67	1.1
156-59-2	cis-1,2-Dichloroethene	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloropropene	ND	ND	ND	ND
110-82-7	Cyclohexane	0.44	ND	1.7	0.48
124-48-1	Dibromochloromethane	ND	ND	ND	ND
75-71-8	Dichlorodifluoromethane	2.9	2.4	2.0	2.1
64-17-5	Ethanol	500	7.0	150	500
100-41-4	Ethylbenzene	1.0	0.17	7.3	1.0
142-82-5	Heptane	0.83	0.20	2.1	0.87
87-68-3	Hexachlorobutadiene	ND	ND	ND	ND
110-54-3	n-Hexane	ND	ND	4.6	ND
1634-04-4	Methyl tert-butyl ether	ND	ND	ND	ND
75-09-2	Methylene chloride	0.46 J	0.42 J	ND	0.48 J
91-20-3	Naphthalene	1.2 V-35	ND	1.2 V-35	1.1 V-35
136777-61-2	m-Xylene & p-Xylene	3.8	0.49	30	3.7
95-47-6	o-Xylene	1.4	0.22	9.5	1.4
100-42-5	Styrene	0.21	ND	ND	0.23
75-65-0	tert-Butyl alcohol	0.38 J	ND	0.29 J	0.37 J
127-18-4	Tetrachloroethene	140	0.58	460	140
108-88-3	Toluene	3.3	0.80	12	3.1
156-60-5	trans-1,2-Dichloroethene	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloropropene	ND	ND	ND	ND
79-01-6	Trichloroethene	0.86	ND	2.7	0.74
75-69-4	Trichlorofluoromethane	1.1	1.1	1.1	1.1
75-01-4	Vinyl chloride	ND	ND	ND	ND

ND = not detected at or above laboratory reporting limit.

µg/m^3 = micrograms per cubic meter.

J = Detected but below reporting limit (lowest calibration standard); therefore result is an estimated concentration.

L-03 = The laboratory noted the laboratory fortified blank/laboratory control sample recovery is outside of control limits and that the reported value for this compound is likely biased low (L-03).

V-35 = initial calibration verification did not meet specifications and was biased on the high side for this compound. Reported result is estimated.

Table 4a
Indoor Air PCE Screening - Field Data
November 15, 2024
NYSDEC Carriage Cleaners
Brighton New York
NYSDEC Site #828120

Sample ID	Sample Type	Location	Outdoor tempurature at time of test (°C)	Indoor tempurature at time of test (°C)	Humidity at time of test (%)	Air pressure at time of test (inHg)	ppbRAE reading before test	ppbRAE reading after test	Test start time	Test end time	Test Result, before correction (ug/m^3)	Test Result, after correction (ug/m^3)	Comments (include any chemical substances in rooms or other pertinent information)
IA-TP-1A	Indoor	Triangle Utility Room	6	17	45	30.01	0	0	09:10	09:40	<20	<20	Test near Stectracide Bug Stop Home Barrier
IA-TP-2A	Indoor	Triangle Utility Room	6	20	40	30.00	0	8	09:46	10:16	<20	<20	Test near Stectracide Bug Stop Home Barrier, ppbRAE fluctuating 4-17 ppb when gas heater is running
IA-TP-3A	Indoor	Triangle Utility Room	7	21	40	30.00	20	45	10:21	10:51	<20	<20	Test near Stectracide Bug Stop Home Barrier, ppbRAE fluctuating 4-17 ppb when gas heater is running
IA-TP-4A	Indoor	Main room near VP-4	9	20	45	30.00	40	6	10:58	11:28	<20	<20	ppbRAE fluctuating 4-17 ppb when gas heater is running
IA-TP-5A	Indoor	Back utility room near drum	9	16	50	30.00	10	18	11:31	12:01	<20	<20	See Table 3B for chemicals in room and associated ppbRAE readings.
IA-TP-1B	Indoor	Triangle Utility Room	10	20	55	29.99	35	31	12:09	12:39	<20	<20	Test near Stectracide Bug Stop Home Barrier
IA-TP-2B	Indoor	Triangle Utility Room	10	20	50	29.98	41	61	12:43	13:13	<20	<20	Test near Stectracide Bug Stop Home Barrier, ppbRAE fluctuating 4-17 ppb when gas heater is running
IA-TP-3B	Indoor	Triangle Utility Room	10	20	50	29.98	55	58	13:15	13:45	<20	<20	Test near Stectracide Bug Stop Home Barrier, ppbRAE fluctuating 4-17 ppb when gas heater is running
IA-TP-4B	Indoor	Main room near VP-4	10	20	45	29.98	74	95	13:50	14:20	<20	<20	ppbRAE fluctuating 4-17 ppb when gas heater is running
IA-TP-5B	Indoor	Back utility room near drum	10	18	55	29.97	98	89	14:23	14:53	<20	<20	See Table 3B for chemicals in room and associated ppbRAE readings.

Note:
The PCE screening was conducted twice (i.e., 1A-TP-1A and 1A-TP-1B) at each indoor air detector tube sampling location.
°C = Degrees Celsius
inHg = inches of mercury
% = Percent
ug/m^3 = micrograms per meter cubed
IA-TP = Indoor Air Test Point
ppbRAE = RAE Systems© ppb RAE 2000 photoionization detector with an 11.7 electron-Volt lamp
A weather app and indoor thermometer were used to collect weather details below

Table 4b
Chemical List - Back Utility Room
November 15, 2024
NYSDEC Carriage Cleaners
Brighton New York
NYSDEC Site #828120

Container Contents	Container Size (Number)	ppbRAE reading
Gasoline	1 Gallon (1)	510
Zep Glass Cleaner	19 Ounces (1)	38
Henry Floor Adhesive	4 Gallons (1)	22
Granular activated carbon	55 Gallon Drum (1)	0
Dry cleaning filters	55 Gallon Drum - not sealed, unclear if empty (1)	108 to >1000
Not used	Approximate 20 gallon drums (2)	0
Stacked, no contents, residual odors	Approximate 20 gallon drums (3)	2065
Streets Textile Supplement	15 gallon drum (1) and 55 gallon drum (1)	100

Appendix A – Laboratory Analytical Report

Data Package

ANALYTICAL. LIFE. SERVICE.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

June 20, 2024

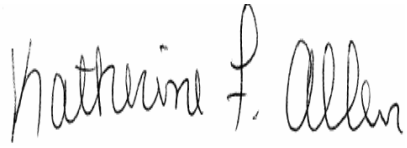
Charles T Gregory
NYDEC_GES - Amherst, NY
625 Broadway
Albany, NY 12233-7017

Project Location: 2101 Monroe Ave, Brighton, NY
Client Job Number:
Project Number: 828120
Laboratory Work Order Number: 24F1161

Enclosed are results of analyses for samples as received by the laboratory on June 7, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kyle A. Murray
Project Manager



QA Officer
Katherine Allen

Laboratory Manager
Daren Damboragian

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

NYDEC_GES - Amherst, NY
625 Broadway
Albany, NY 12233-7017
ATTN: Charles T Gregory

REPORT DATE: 6/20/2024

PURCHASE ORDER NUMBER: 2405037

PROJECT NUMBER: 828120

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24F1161

The results of analyses performed on the following samples submitted to Con-Test, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 2101 Monroe Ave, Brighton, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Indoor	24F1161-01	Indoor air		-	
				EPA TO-15	
DUP	24F1161-02	Indoor air		-	
				EPA TO-15	
Outdoor	24F1161-03	Ambient Air		-	
				EPA TO-15	
Exhaust Grab	24F1161-04	Other		-	
				EPA TO-15	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

EPA TO-15

Qualifications:

L-03 Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,1-Dichloroethane, Carbon Tetrachloride, trans-1,2-Dichloroethylene

24F1161-01[Indoor], 24F1161-02[DUP], 24F1161-03[Outdoor], 24F1161-04[Exhaust Grab], B377758-BLK1, B377758-BS1, B377758-DUP1

V-05 Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

1,1-Dichloroethane, trans-1,2-Dichloroethylene

24F1161-01[Indoor], 24F1161-02[DUP], 24F1161-03[Outdoor], 24F1161-04[Exhaust Grab], B377758-BLK1, B377758-BS1, B377758-DUP1, S106148-CCV1

V-35 Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Naphthalene

24F1161-01[Indoor], 24F1161-02[DUP], 24F1161-04[Exhaust Grab], B377758-BS1, B377758-DUP1, S106148-CCV1

V-36 Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene, 1,4-Dioxane

B377758-BS1, S106148-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: 2101 Monroe Ave, Brighton, NY
Date Received: 6/7/2024
Field Sample #: Indoor
Sample ID: 24F1161-01
Sample Matrix: Indoor air
Sampled: 6/6/2024 16:28

Sample Description/Location:
Sub Description/Location:
Canister ID: 1249
Canister Size: 6 liter
Flow Controller ID: 5107
Sample Type: 8 hr

Work Order: 24F1161
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -15
Receipt Vacuum(in Hg): -15.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: >20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Benzene	0.22	0.040	0.012		0.72	0.13	0.040	0.8	6/18/24 14:50	CMR
Benzyl chloride	ND	0.080	0.020		ND	0.41	0.10	0.8	6/18/24 14:50	CMR
Bromodichloromethane	ND	0.040	0.016		ND	0.27	0.11	0.8	6/18/24 14:50	CMR
Bromoform	ND	0.040	0.0096		ND	0.41	0.100	0.8	6/18/24 14:50	CMR
Bromomethane	ND	0.040	0.034		ND	0.16	0.13	0.8	6/18/24 14:50	CMR
2-Butanone (MEK)	0.94	1.6	0.78	J	2.8	4.7	2.3	0.8	6/18/24 14:50	CMR
tert-Butyl Alcohol (TBA)	0.12	0.16	0.062	J	0.38	0.50	0.19	0.8	6/18/24 14:50	CMR
Carbon Tetrachloride	0.064	0.040	0.031	L-03	0.40	0.25	0.20	0.8	6/18/24 14:50	CMR
Chlorobenzene	ND	0.040	0.013		ND	0.18	0.061	0.8	6/18/24 14:50	CMR
Chloroethane	ND	0.040	0.037		ND	0.11	0.097	0.8	6/18/24 14:50	CMR
Chloroform	0.44	0.040	0.020		2.1	0.20	0.095	0.8	6/18/24 14:50	CMR
Chloromethane	0.50	0.080	0.053		1.0	0.17	0.11	0.8	6/18/24 14:50	CMR
Cyclohexane	0.13	0.040	0.031		0.44	0.14	0.11	0.8	6/18/24 14:50	CMR
Dibromochloromethane	ND	0.040	0.027		ND	0.34	0.23	0.8	6/18/24 14:50	CMR
1,2-Dibromoethane (EDB)	ND	0.040	0.025		ND	0.31	0.19	0.8	6/18/24 14:50	CMR
1,2-Dichlorobenzene	ND	0.040	0.013		ND	0.24	0.078	0.8	6/18/24 14:50	CMR
1,3-Dichlorobenzene	ND	0.040	0.012		ND	0.24	0.073	0.8	6/18/24 14:50	CMR
1,4-Dichlorobenzene	0.063	0.040	0.019		0.38	0.24	0.12	0.8	6/18/24 14:50	CMR
Dichlorodifluoromethane (Freon 12)	0.59	0.040	0.017		2.9	0.20	0.083	0.8	6/18/24 14:50	CMR
1,1-Dichloroethane	ND	0.040	0.019	V-05, L-03	ND	0.16	0.079	0.8	6/18/24 14:50	CMR
1,2-Dichloroethane	ND	0.040	0.015		ND	0.16	0.061	0.8	6/18/24 14:50	CMR
1,1-Dichloroethylene	ND	0.040	0.028		ND	0.16	0.11	0.8	6/18/24 14:50	CMR
cis-1,2-Dichloroethylene	ND	0.040	0.019		ND	0.16	0.077	0.8	6/18/24 14:50	CMR
trans-1,2-Dichloroethylene	ND	0.040	0.019	V-05, L-03	ND	0.16	0.075	0.8	6/18/24 14:50	CMR
1,2-Dichloropropane	ND	0.040	0.030		ND	0.18	0.14	0.8	6/18/24 14:50	CMR
cis-1,3-Dichloropropene	ND	0.040	0.020		ND	0.18	0.092	0.8	6/18/24 14:50	CMR
trans-1,3-Dichloropropene	ND	0.040	0.039		ND	0.18	0.18	0.8	6/18/24 14:50	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.040	0.016		ND	0.28	0.11	0.8	6/18/24 14:50	CMR
1,4-Dioxane	ND	0.40	0.20		ND	1.4	0.71	0.8	6/18/24 14:50	CMR
Ethanol	260	1.6	1.1		500	3.0	2.0	0.8	6/18/24 14:50	CMR
Ethylbenzene	0.24	0.040	0.014		1.0	0.17	0.059	0.8	6/18/24 14:50	CMR
Heptane	0.20	0.040	0.025		0.83	0.16	0.10	0.8	6/18/24 14:50	CMR
Hexachlorobutadiene	ND	0.040	0.024		ND	0.43	0.25	0.8	6/18/24 14:50	CMR
Hexane	ND	1.6	0.84		ND	5.6	2.9	0.8	6/18/24 14:50	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.040	0.020		ND	0.14	0.071	0.8	6/18/24 14:50	CMR
Methylene Chloride	0.13	0.40	0.11	J	0.46	1.4	0.37	0.8	6/18/24 14:50	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.040	0.019		ND	0.16	0.078	0.8	6/18/24 14:50	CMR
Naphthalene	0.24	0.040	0.032	V-35	1.2	0.21	0.17	0.8	6/18/24 14:50	CMR
Styrene	0.050	0.040	0.031		0.21	0.17	0.13	0.8	6/18/24 14:50	CMR
1,1,2,2-Tetrachloroethane	ND	0.040	0.0099		ND	0.27	0.068	0.8	6/18/24 14:50	CMR
Tetrachloroethylene	21	0.040	0.034		140	0.27	0.23	0.8	6/18/24 14:50	CMR
Toluene	0.87	0.040	0.020		3.3	0.15	0.075	0.8	6/18/24 14:50	CMR
1,2,4-Trichlorobenzene	ND	0.040	0.023		ND	0.30	0.17	0.8	6/18/24 14:50	CMR
1,1,1-Trichloroethane	ND	0.040	0.018		ND	0.22	0.099	0.8	6/18/24 14:50	CMR
1,1,2-Trichloroethane	ND	0.040	0.014		ND	0.22	0.076	0.8	6/18/24 14:50	CMR
Trichloroethylene	0.16	0.040	0.031		0.86	0.21	0.16	0.8	6/18/24 14:50	CMR
Trichlorofluoromethane (Freon 11)	0.20	0.16	0.016		1.1	0.90	0.092	0.8	6/18/24 14:50	CMR

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: 2101 Monroe Ave, Brighton, NY
Date Received: 6/7/2024
Field Sample #: Indoor
Sample ID: 24F1161-01
Sample Matrix: Indoor air
Sampled: 6/6/2024 16:28

Sample Description/Location:
Sub Description/Location:
Canister ID: 1249
Canister Size: 6 liter
Flow Controller ID: 5107
Sample Type: 8 hr

Work Order: 24F1161
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -15
Receipt Vacuum(in Hg): -15.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: >20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.066	0.16	0.011	J	0.51	1.2	0.084	0.8	6/18/24 14:50	CMR
1,2,4-Trimethylbenzene	0.21	0.040	0.024		1.0	0.20	0.12	0.8	6/18/24 14:50	CMR
1,3,5-Trimethylbenzene	0.057	0.040	0.031		0.28	0.20	0.15	0.8	6/18/24 14:50	CMR
2,2,4-Trimethylpentane	0.054	0.11	0.034	J	0.25	0.50	0.16	0.8	6/18/24 14:50	CMR
Vinyl Chloride	ND	0.040	0.020		ND	0.10	0.052	0.8	6/18/24 14:50	CMR
m&p-Xylene	0.87	0.080	0.027		3.8	0.35	0.12	0.8	6/18/24 14:50	CMR
o-Xylene	0.33	0.040	0.013		1.4	0.17	0.054	0.8	6/18/24 14:50	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	106	70-130	6/18/24 14:50
4-Bromofluorobenzene (2)	126	70-130	6/18/24 14:50

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ANALYTICAL RESULTS

Project Location: 2101 Monroe Ave, Brighton, NY
Date Received: 6/7/2024
Field Sample #: DUP
Sample ID: 24F1161-02
Sample Matrix: Indoor air
Sampled: 6/6/2024 16:28

Sample Description/Location:
Sub Description/Location:
Canister ID: 1821
Canister Size: 6 liter
Flow Controller ID: 5107
Sample Type: 8 hr

Work Order: 24F1161
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -15
Receipt Vacuum(in Hg): -15.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: >20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	Results	RL	MDL	Flag/Qual	Results	RL	MDL	Dilution	Analyzed	Analyst
Benzene	0.20	0.040	0.012		0.65	0.13	0.040	0.8	6/18/24 15:27	CMR
Benzyl chloride	ND	0.080	0.020		ND	0.41	0.10	0.8	6/18/24 15:27	CMR
Bromodichloromethane	ND	0.040	0.016		ND	0.27	0.11	0.8	6/18/24 15:27	CMR
Bromoform	ND	0.040	0.0096		ND	0.41	0.100	0.8	6/18/24 15:27	CMR
Bromomethane	ND	0.040	0.034		ND	0.16	0.13	0.8	6/18/24 15:27	CMR
2-Butanone (MEK)	0.86	1.6	0.78	J	2.5	4.7	2.3	0.8	6/18/24 15:27	CMR
tert-Butyl Alcohol (TBA)	0.12	0.16	0.062	J	0.37	0.50	0.19	0.8	6/18/24 15:27	CMR
Carbon Tetrachloride	0.066	0.040	0.031	L-03	0.41	0.25	0.20	0.8	6/18/24 15:27	CMR
Chlorobenzene	ND	0.040	0.013		ND	0.18	0.061	0.8	6/18/24 15:27	CMR
Chloroethane	ND	0.040	0.037		ND	0.11	0.097	0.8	6/18/24 15:27	CMR
Chloroform	0.43	0.040	0.020		2.1	0.20	0.095	0.8	6/18/24 15:27	CMR
Chloromethane	0.52	0.080	0.053		1.1	0.17	0.11	0.8	6/18/24 15:27	CMR
Cyclohexane	0.14	0.040	0.031		0.48	0.14	0.11	0.8	6/18/24 15:27	CMR
Dibromochloromethane	ND	0.040	0.027		ND	0.34	0.23	0.8	6/18/24 15:27	CMR
1,2-Dibromoethane (EDB)	ND	0.040	0.025		ND	0.31	0.19	0.8	6/18/24 15:27	CMR
1,2-Dichlorobenzene	ND	0.040	0.013		ND	0.24	0.078	0.8	6/18/24 15:27	CMR
1,3-Dichlorobenzene	ND	0.040	0.012		ND	0.24	0.073	0.8	6/18/24 15:27	CMR
1,4-Dichlorobenzene	0.055	0.040	0.019		0.33	0.24	0.12	0.8	6/18/24 15:27	CMR
Dichlorodifluoromethane (Freon 12)	0.42	0.040	0.017		2.1	0.20	0.083	0.8	6/18/24 15:27	CMR
1,1-Dichloroethane	ND	0.040	0.019	L-03, V-05	ND	0.16	0.079	0.8	6/18/24 15:27	CMR
1,2-Dichloroethane	ND	0.040	0.015		ND	0.16	0.061	0.8	6/18/24 15:27	CMR
1,1-Dichloroethylene	ND	0.040	0.028		ND	0.16	0.11	0.8	6/18/24 15:27	CMR
cis-1,2-Dichloroethylene	ND	0.040	0.019		ND	0.16	0.077	0.8	6/18/24 15:27	CMR
trans-1,2-Dichloroethylene	ND	0.040	0.019	L-03, V-05	ND	0.16	0.075	0.8	6/18/24 15:27	CMR
1,2-Dichloropropane	ND	0.040	0.030		ND	0.18	0.14	0.8	6/18/24 15:27	CMR
cis-1,3-Dichloropropene	ND	0.040	0.020		ND	0.18	0.092	0.8	6/18/24 15:27	CMR
trans-1,3-Dichloropropene	ND	0.040	0.039		ND	0.18	0.18	0.8	6/18/24 15:27	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.040	0.016		ND	0.28	0.11	0.8	6/18/24 15:27	CMR
1,4-Dioxane	ND	0.40	0.20		ND	1.4	0.71	0.8	6/18/24 15:27	CMR
Ethanol	260	1.6	1.1		500	3.0	2.0	0.8	6/18/24 15:27	CMR
Ethylbenzene	0.24	0.040	0.014		1.0	0.17	0.059	0.8	6/18/24 15:27	CMR
Heptane	0.21	0.040	0.025		0.87	0.16	0.10	0.8	6/18/24 15:27	CMR
Hexachlorobutadiene	ND	0.040	0.024		ND	0.43	0.25	0.8	6/18/24 15:27	CMR
Hexane	ND	1.6	0.84		ND	5.6	2.9	0.8	6/18/24 15:27	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.040	0.020		ND	0.14	0.071	0.8	6/18/24 15:27	CMR
Methylene Chloride	0.14	0.40	0.11	J	0.48	1.4	0.37	0.8	6/18/24 15:27	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.040	0.019		ND	0.16	0.078	0.8	6/18/24 15:27	CMR
Naphthalene	0.21	0.040	0.032	V-35	1.1	0.21	0.17	0.8	6/18/24 15:27	CMR
Styrene	0.054	0.040	0.031		0.23	0.17	0.13	0.8	6/18/24 15:27	CMR
1,1,2,2-Tetrachloroethane	ND	0.040	0.0099		ND	0.27	0.068	0.8	6/18/24 15:27	CMR
Tetrachloroethylene	20	0.040	0.034		140	0.27	0.23	0.8	6/18/24 15:27	CMR
Toluene	0.82	0.040	0.020		3.1	0.15	0.075	0.8	6/18/24 15:27	CMR
1,2,4-Trichlorobenzene	ND	0.040	0.023		ND	0.30	0.17	0.8	6/18/24 15:27	CMR
1,1,1-Trichloroethane	ND	0.040	0.018		ND	0.22	0.099	0.8	6/18/24 15:27	CMR
1,1,2-Trichloroethane	ND	0.040	0.014		ND	0.22	0.076	0.8	6/18/24 15:27	CMR
Trichloroethylene	0.14	0.040	0.031		0.74	0.21	0.16	0.8	6/18/24 15:27	CMR
Trichlorofluoromethane (Freon 11)	0.20	0.16	0.016		1.1	0.90	0.092	0.8	6/18/24 15:27	CMR

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ANALYTICAL RESULTS

Project Location: 2101 Monroe Ave, Brighton, NY
Date Received: 6/7/2024
Field Sample #: DUP
Sample ID: 24F1161-02
Sample Matrix: Indoor air
Sampled: 6/6/2024 16:28

Sample Description/Location:
Sub Description/Location:
Canister ID: 1821
Canister Size: 6 liter
Flow Controller ID: 5107
Sample Type: 8 hr

Work Order: 24F1161
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -15
Receipt Vacuum(in Hg): -15.7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: >20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.067	0.16	0.011	J	0.51	1.2	0.084	0.8	6/18/24 15:27	CMR
1,2,4-Trimethylbenzene	0.19	0.040	0.024		0.93	0.20	0.12	0.8	6/18/24 15:27	CMR
1,3,5-Trimethylbenzene	0.055	0.040	0.031		0.27	0.20	0.15	0.8	6/18/24 15:27	CMR
2,2,4-Trimethylpentane	0.052	0.11	0.034	J	0.24	0.50	0.16	0.8	6/18/24 15:27	CMR
Vinyl Chloride	ND	0.040	0.020		ND	0.10	0.052	0.8	6/18/24 15:27	CMR
m&p-Xylene	0.86	0.080	0.027		3.7	0.35	0.12	0.8	6/18/24 15:27	CMR
o-Xylene	0.32	0.040	0.013		1.4	0.17	0.054	0.8	6/18/24 15:27	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	109	70-130	6/18/24 15:27
4-Bromofluorobenzene (2)	126	70-130	6/18/24 15:27

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ANALYTICAL RESULTS

Project Location: 2101 Monroe Ave, Brighton, NY
Date Received: 6/7/2024
Field Sample #: Outdoor
Sample ID: 24F1161-03
Sample Matrix: Ambient Air
Sampled: 6/6/2024 16:30

Sample Description/Location:
Sub Description/Location:
Canister ID: P2831
Canister Size: 6 liter
Flow Controller ID: 3772
Sample Type: 8 hr

Work Order: 24F1161
Initial Vacuum(in Hg): -28.5
Final Vacuum(in Hg): -9
Receipt Vacuum(in Hg): -9.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Benzene	0.078	0.035	0.011		0.25	0.11	0.034	0.698	6/18/24 16:04	CMR
Benzyl chloride	ND	0.070	0.018		ND	0.36	0.091	0.698	6/18/24 16:04	CMR
Bromodichloromethane	ND	0.035	0.014		ND	0.23	0.096	0.698	6/18/24 16:04	CMR
Bromoform	ND	0.035	0.0084		ND	0.36	0.087	0.698	6/18/24 16:04	CMR
Bromomethane	ND	0.035	0.030		ND	0.14	0.12	0.698	6/18/24 16:04	CMR
2-Butanone (MEK)	ND	1.4	0.68		ND	4.1	2.0	0.698	6/18/24 16:04	CMR
tert-Butyl Alcohol (TBA)	ND	0.14	0.054		ND	0.44	0.16	0.698	6/18/24 16:04	CMR
Carbon Tetrachloride	0.064	0.035	0.027	L-03	0.40	0.22	0.17	0.698	6/18/24 16:04	CMR
Chlorobenzene	ND	0.035	0.012		ND	0.16	0.053	0.698	6/18/24 16:04	CMR
Chloroethane	ND	0.035	0.032		ND	0.092	0.084	0.698	6/18/24 16:04	CMR
Chloroform	0.021	0.035	0.017	J	0.10	0.17	0.083	0.698	6/18/24 16:04	CMR
Chloromethane	0.42	0.070	0.047		0.86	0.14	0.096	0.698	6/18/24 16:04	CMR
Cyclohexane	ND	0.035	0.027		ND	0.12	0.093	0.698	6/18/24 16:04	CMR
Dibromochloromethane	ND	0.035	0.023		ND	0.30	0.20	0.698	6/18/24 16:04	CMR
1,2-Dibromoethane (EDB)	ND	0.035	0.022		ND	0.27	0.17	0.698	6/18/24 16:04	CMR
1,2-Dichlorobenzene	ND	0.035	0.011		ND	0.21	0.068	0.698	6/18/24 16:04	CMR
1,3-Dichlorobenzene	ND	0.035	0.011		ND	0.21	0.063	0.698	6/18/24 16:04	CMR
1,4-Dichlorobenzene	ND	0.035	0.017		ND	0.21	0.10	0.698	6/18/24 16:04	CMR
Dichlorodifluoromethane (Freon 12)	0.50	0.035	0.015		2.4	0.17	0.072	0.698	6/18/24 16:04	CMR
1,1-Dichloroethane	ND	0.035	0.017	L-03, V-05	ND	0.14	0.069	0.698	6/18/24 16:04	CMR
1,2-Dichloroethane	ND	0.035	0.013		ND	0.14	0.053	0.698	6/18/24 16:04	CMR
1,1-Dichloroethylene	ND	0.035	0.024		ND	0.14	0.097	0.698	6/18/24 16:04	CMR
cis-1,2-Dichloroethylene	ND	0.035	0.017		ND	0.14	0.067	0.698	6/18/24 16:04	CMR
trans-1,2-Dichloroethylene	ND	0.035	0.016	L-03, V-05	ND	0.14	0.065	0.698	6/18/24 16:04	CMR
1,2-Dichloropropane	ND	0.035	0.026		ND	0.16	0.12	0.698	6/18/24 16:04	CMR
cis-1,3-Dichloropropene	ND	0.035	0.018		ND	0.16	0.080	0.698	6/18/24 16:04	CMR
trans-1,3-Dichloropropene	ND	0.035	0.034		ND	0.16	0.15	0.698	6/18/24 16:04	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035	0.014		ND	0.24	0.098	0.698	6/18/24 16:04	CMR
1,4-Dioxane	ND	0.35	0.17		ND	1.3	0.62	0.698	6/18/24 16:04	CMR
Ethanol	3.7	1.4	0.93		7.0	2.6	1.7	0.698	6/18/24 16:04	CMR
Ethylbenzene	0.040	0.035	0.012		0.17	0.15	0.052	0.698	6/18/24 16:04	CMR
Heptane	0.048	0.035	0.022		0.20	0.14	0.090	0.698	6/18/24 16:04	CMR
Hexachlorobutadiene	ND	0.035	0.021		ND	0.37	0.22	0.698	6/18/24 16:04	CMR
Hexane	ND	1.4	0.73		ND	4.9	2.6	0.698	6/18/24 16:04	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.035	0.017		ND	0.13	0.062	0.698	6/18/24 16:04	CMR
Methylene Chloride	0.12	0.35	0.094	J	0.42	1.2	0.33	0.698	6/18/24 16:04	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.035	0.017		ND	0.14	0.068	0.698	6/18/24 16:04	CMR
Naphthalene	ND	0.035	0.028		ND	0.18	0.15	0.698	6/18/24 16:04	CMR
Styrene	ND	0.035	0.027		ND	0.15	0.12	0.698	6/18/24 16:04	CMR
1,1,2,2-Tetrachloroethane	ND	0.035	0.0086		ND	0.24	0.059	0.698	6/18/24 16:04	CMR
Tetrachloroethylene	0.086	0.035	0.030		0.58	0.24	0.20	0.698	6/18/24 16:04	CMR
Toluene	0.21	0.035	0.017		0.80	0.13	0.066	0.698	6/18/24 16:04	CMR
1,2,4-Trichlorobenzene	ND	0.035	0.020		ND	0.26	0.15	0.698	6/18/24 16:04	CMR
1,1,1-Trichloroethane	ND	0.035	0.016		ND	0.19	0.086	0.698	6/18/24 16:04	CMR
1,1,2-Trichloroethane	ND	0.035	0.012		ND	0.19	0.066	0.698	6/18/24 16:04	CMR
Trichloroethylene	ND	0.035	0.027		ND	0.19	0.14	0.698	6/18/24 16:04	CMR
Trichlorofluoromethane (Freon 11)	0.20	0.14	0.014		1.1	0.78	0.080	0.698	6/18/24 16:04	CMR

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ANALYTICAL RESULTS

Project Location: 2101 Monroe Ave, Brighton, NY
Date Received: 6/7/2024
Field Sample #: Outdoor
Sample ID: 24F1161-03
Sample Matrix: Ambient Air
Sampled: 6/6/2024 16:30

Sample Description/Location:
Sub Description/Location:
Canister ID: P2831
Canister Size: 6 liter
Flow Controller ID: 3772
Sample Type: 8 hr

Work Order: 24F1161
Initial Vacuum(in Hg): -28.5
Final Vacuum(in Hg): -9
Receipt Vacuum(in Hg): -9.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: <20%

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.066	0.14	0.0095	J	0.51	1.1	0.073	0.698	6/18/24 16:04	CMR
1,2,4-Trimethylbenzene	0.036	0.035	0.021		0.18	0.17	0.10	0.698	6/18/24 16:04	CMR
1,3,5-Trimethylbenzene	ND	0.035	0.027		ND	0.17	0.13	0.698	6/18/24 16:04	CMR
2,2,4-Trimethylpentane	0.041	0.093	0.030	J	0.19	0.44	0.14	0.698	6/18/24 16:04	CMR
Vinyl Chloride	ND	0.035	0.018		ND	0.089	0.045	0.698	6/18/24 16:04	CMR
m&p-Xylene	0.11	0.070	0.024		0.49	0.30	0.10	0.698	6/18/24 16:04	CMR
o-Xylene	0.051	0.035	0.011		0.22	0.15	0.047	0.698	6/18/24 16:04	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	109	70-130	6/18/24 16:04
4-Bromofluorobenzene (2)	126	70-130	6/18/24 16:04

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ANALYTICAL RESULTS

Project Location: 2101 Monroe Ave, Brighton, NY
Date Received: 6/7/2024
Field Sample #: Exhaust Grab
Sample ID: 24F1161-04
Sample Matrix: Other
Sampled: 6/6/2024 10:05

Sample Description/Location:
Sub Description/Location:
Canister ID: 1701
Canister Size: 6 liter
Flow Controller ID: 7089
Sample Type: Grab

Work Order: 24F1161
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -3.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: Grab

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
Benzene	0.65	0.035	0.011		2.1	0.11	0.034	0.698	6/18/24 16:42	CMR
Benzyl chloride	ND	0.070	0.018		ND	0.36	0.091	0.698	6/18/24 16:42	CMR
Bromodichloromethane	ND	0.035	0.014		ND	0.23	0.096	0.698	6/18/24 16:42	CMR
Bromoform	ND	0.035	0.0084		ND	0.36	0.087	0.698	6/18/24 16:42	CMR
Bromomethane	ND	0.035	0.030		ND	0.14	0.12	0.698	6/18/24 16:42	CMR
2-Butanone (MEK)	1.9	1.4	0.68		5.6	4.1	2.0	0.698	6/18/24 16:42	CMR
tert-Butyl Alcohol (TBA)	0.096	0.14	0.054	J	0.29	0.44	0.16	0.698	6/18/24 16:42	CMR
Carbon Tetrachloride	0.066	0.035	0.027	L-03	0.41	0.22	0.17	0.698	6/18/24 16:42	CMR
Chlorobenzene	ND	0.035	0.012		ND	0.16	0.053	0.698	6/18/24 16:42	CMR
Chloroethane	ND	0.035	0.032		ND	0.092	0.084	0.698	6/18/24 16:42	CMR
Chloroform	0.48	0.035	0.017		2.3	0.17	0.083	0.698	6/18/24 16:42	CMR
Chloromethane	0.32	0.070	0.047		0.67	0.14	0.096	0.698	6/18/24 16:42	CMR
Cyclohexane	0.51	0.035	0.027		1.7	0.12	0.093	0.698	6/18/24 16:42	CMR
Dibromochloromethane	ND	0.035	0.023		ND	0.30	0.20	0.698	6/18/24 16:42	CMR
1,2-Dibromoethane (EDB)	ND	0.035	0.022		ND	0.27	0.17	0.698	6/18/24 16:42	CMR
1,2-Dichlorobenzene	ND	0.035	0.011		ND	0.21	0.068	0.698	6/18/24 16:42	CMR
1,3-Dichlorobenzene	ND	0.035	0.011		ND	0.21	0.063	0.698	6/18/24 16:42	CMR
1,4-Dichlorobenzene	0.057	0.035	0.017		0.34	0.21	0.10	0.698	6/18/24 16:42	CMR
Dichlorodifluoromethane (Freon 12)	0.40	0.035	0.015		2.0	0.17	0.072	0.698	6/18/24 16:42	CMR
1,1-Dichloroethane	ND	0.035	0.017	L-03, V-05	ND	0.14	0.069	0.698	6/18/24 16:42	CMR
1,2-Dichloroethane	ND	0.035	0.013		ND	0.14	0.053	0.698	6/18/24 16:42	CMR
1,1-Dichloroethylene	ND	0.035	0.024		ND	0.14	0.097	0.698	6/18/24 16:42	CMR
cis-1,2-Dichloroethylene	ND	0.035	0.017		ND	0.14	0.067	0.698	6/18/24 16:42	CMR
trans-1,2-Dichloroethylene	ND	0.035	0.016	L-03, V-05	ND	0.14	0.065	0.698	6/18/24 16:42	CMR
1,2-Dichloropropane	ND	0.035	0.026		ND	0.16	0.12	0.698	6/18/24 16:42	CMR
cis-1,3-Dichloropropene	ND	0.035	0.018		ND	0.16	0.080	0.698	6/18/24 16:42	CMR
trans-1,3-Dichloropropene	ND	0.035	0.034		ND	0.16	0.15	0.698	6/18/24 16:42	CMR
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035	0.014		ND	0.24	0.098	0.698	6/18/24 16:42	CMR
1,4-Dioxane	ND	0.35	0.17		ND	1.3	0.62	0.698	6/18/24 16:42	CMR
Ethanol	80	20	13		150	38	25	10	6/19/24 8:41	CMR
Ethylbenzene	1.7	0.035	0.012		7.3	0.15	0.052	0.698	6/18/24 16:42	CMR
Heptane	0.52	0.035	0.022		2.1	0.14	0.090	0.698	6/18/24 16:42	CMR
Hexachlorobutadiene	ND	0.035	0.021		ND	0.37	0.22	0.698	6/18/24 16:42	CMR
Hexane	1.3	1.4	0.73	J	4.6	4.9	2.6	0.698	6/18/24 16:42	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.035	0.017		ND	0.13	0.062	0.698	6/18/24 16:42	CMR
Methylene Chloride	ND	0.35	0.094		ND	1.2	0.33	0.698	6/18/24 16:42	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.035	0.017		ND	0.14	0.068	0.698	6/18/24 16:42	CMR
Naphthalene	0.22	0.035	0.028	V-35	1.2	0.18	0.15	0.698	6/18/24 16:42	CMR
Styrene	0.050	0.035	0.027		0.21	0.15	0.12	0.698	6/18/24 16:42	CMR
1,1,2,2-Tetrachloroethane	ND	0.035	0.0086		ND	0.24	0.059	0.698	6/18/24 16:42	CMR
Tetrachloroethylene	67	0.50	0.43		460	3.4	2.9	10	6/19/24 8:41	CMR
Toluene	3.3	0.035	0.017		12	0.13	0.066	0.698	6/18/24 16:42	CMR
1,2,4-Trichlorobenzene	ND	0.035	0.020		ND	0.26	0.15	0.698	6/18/24 16:42	CMR
1,1,1-Trichloroethane	ND	0.035	0.016		ND	0.19	0.086	0.698	6/18/24 16:42	CMR
1,1,2-Trichloroethane	ND	0.035	0.012		ND	0.19	0.066	0.698	6/18/24 16:42	CMR
Trichloroethylene	0.51	0.035	0.027		2.7	0.19	0.14	0.698	6/18/24 16:42	CMR
Trichlorofluoromethane (Freon 11)	0.20	0.14	0.014		1.1	0.78	0.080	0.698	6/18/24 16:42	CMR

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ANALYTICAL RESULTS

Project Location: 2101 Monroe Ave, Brighton, NY
Date Received: 6/7/2024
Field Sample #: Exhaust Grab
Sample ID: 24F1161-04
Sample Matrix: Other
Sampled: 6/6/2024 10:05

Sample Description/Location:
Sub Description/Location:
Canister ID: 1701
Canister Size: 6 liter
Flow Controller ID: 7089
Sample Type: Grab

Work Order: 24F1161
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -3.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling: Grab

EPA TO-15

	ppbv				ug/m3				Date/Time	
Analyte	**Results**	**RL**	**MDL**	**Flag/Qual**	**Results**	**RL**	**MDL**	**Dilution**	**Analyzed**	**Analyst**
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.061	0.14	0.0095	J	0.47	1.1	0.073	0.698	6/18/24 16:42	CMR
1,2,4-Trimethylbenzene	0.70	0.035	0.021		3.4	0.17	0.10	0.698	6/18/24 16:42	CMR
1,3,5-Trimethylbenzene	0.17	0.035	0.027		0.82	0.17	0.13	0.698	6/18/24 16:42	CMR
2,2,4-Trimethylpentane	0.092	0.093	0.030	J	0.43	0.44	0.14	0.698	6/18/24 16:42	CMR
Vinyl Chloride	ND	0.035	0.018		ND	0.089	0.045	0.698	6/18/24 16:42	CMR
m&p-Xylene	6.8	0.070	0.024		30	0.30	0.10	0.698	6/18/24 16:42	CMR
o-Xylene	2.2	0.035	0.011		9.5	0.15	0.047	0.698	6/18/24 16:42	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	107	70-130	6/19/24 8:41
4-Bromofluorobenzene (1)	110	70-130	6/18/24 16:42
4-Bromofluorobenzene (2)	125	70-130	6/19/24 8:41
4-Bromofluorobenzene (2)	126	70-130	6/18/24 16:42

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Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
24F1161-01 [Indoor]	B377758	2	1	N/A	1000	200	500	06/18/24
24F1161-02 [DUP]	B377758	2	1	N/A	1000	200	500	06/18/24
24F1161-03 [Outdoor]	B377758	1.5	1	N/A	1000	200	430	06/18/24
24F1161-04 [Exhaust Grab]	B377758	1.5	1	N/A	1000	200	430	06/18/24
24F1161-04RE1 [Exhaust Grab]	B377758	1.5	1	N/A	1000	200	30	06/18/24

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B377758 - TO-15 Prep											
Blank (B377758-BLK1)					Prepared & Analyzed: 06/18/24						
Benzene	ND	0.034									
Benzyl chloride	ND	0.069									
Bromodichloromethane	ND	0.034									
Bromoform	ND	0.034									
Bromomethane	ND	0.034									
2-Butanone (MEK)	ND	1.4									
tert-Butyl Alcohol (TBA)	ND	0.14									
Carbon Tetrachloride	ND	0.034									L-03
Chlorobenzene	ND	0.034									
Chloroethane	ND	0.034									
Chloroform	ND	0.034									
Chloromethane	ND	0.069									
Cyclohexane	ND	0.034									
Dibromochloromethane	ND	0.034									
1,2-Dibromoethane (EDB)	ND	0.034									
1,2-Dichlorobenzene	ND	0.034									
1,3-Dichlorobenzene	ND	0.034									
1,4-Dichlorobenzene	ND	0.034									
Dichlorodifluoromethane (Freon 12)	ND	0.034									
1,1-Dichloroethane	ND	0.034									L-03, V-05
1,2-Dichloroethane	ND	0.034									
1,1-Dichloroethylene	ND	0.034									
cis-1,2-Dichloroethylene	ND	0.034									
trans-1,2-Dichloroethylene	ND	0.034									L-03, V-05
1,2-Dichloropropane	ND	0.034									
cis-1,3-Dichloropropene	ND	0.034									
trans-1,3-Dichloropropene	ND	0.034									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.034									
1,4-Dioxane	ND	0.34									
Ethanol	ND	1.4									
Ethylbenzene	ND	0.034									
Heptane	ND	0.034									
Hexachlorobutadiene	ND	0.034									
Hexane	ND	1.4									
Methyl tert-Butyl Ether (MTBE)	ND	0.034									
Methylene Chloride	ND	0.34									
4-Methyl-2-pentanone (MIBK)	ND	0.034									
Naphthalene	ND	0.034									
Styrene	ND	0.034									
1,1,2,2-Tetrachloroethane	ND	0.034									
Tetrachloroethylene	ND	0.034									
Toluene	ND	0.034									
1,2,4-Trichlorobenzene	ND	0.034									
1,1,1-Trichloroethane	ND	0.034									
1,1,2-Trichloroethane	ND	0.034									
Trichloroethylene	ND	0.034									

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Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC		%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B377758 - TO-15 Prep												
Blank (B377758-BLK1)					Prepared & Analyzed: 06/18/24							
Trichlorofluoromethane (Freon 11)	ND	0.14										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.14										
1,2,4-Trimethylbenzene	ND	0.034										
1,3,5-Trimethylbenzene	ND	0.034										
2,2,4-Trimethylpentane	ND	0.092										
Vinyl Chloride	ND	0.034										
m&p-Xylene	ND	0.069										
o-Xylene	ND	0.034										
Surrogate: 4-Bromofluorobenzene (1)	*8.57*				*8.00*		*107*		*70-130*			
Surrogate: 4-Bromofluorobenzene (2)	*9.84*				*8.00*		*123*		*70-130*			
LCS (B377758-BS1)					Prepared & Analyzed: 06/18/24							
Benzene	4.01				5.00		80.2		70-130			
Benzyl chloride	4.40				5.00		87.9		70-130			
Bromodichloromethane	3.67				5.00		73.4		70-130			
Bromoform	5.31				5.00		106		70-130			
Bromomethane	4.83				5.00		96.6		70-130			
2-Butanone (MEK)	3.59				5.00		71.8		70-130			
Carbon Tetrachloride	3.30				5.00		**66.1**	*	70-130			L-03
Chlorobenzene	4.16				5.00		83.1		70-130			
Chloroethane	4.25				5.00		85.0		70-130			
Chloroform	4.40				5.00		88.1		70-130			
Chloromethane	3.55				5.00		71.0		70-130			
Cyclohexane	3.81				5.00		76.2		70-130			
Dibromochloromethane	4.79				5.00		95.8		70-130			
1,2-Dibromoethane (EDB)	4.37				5.00		87.5		70-130			
1,2-Dichlorobenzene	5.58				5.00		112		70-130			
1,3-Dichlorobenzene	5.75				5.00		115		70-130			
1,4-Dichlorobenzene	5.56				5.00		111		70-130			
Dichlorodifluoromethane (Freon 12)	4.40				5.00		88.0		70-130			
1,1-Dichloroethane	3.30				5.00		**66.1**	*	70-130			L-03, V-05
1,2-Dichloroethane	3.90				5.00		78.0		70-130			
1,1-Dichloroethylene	3.92				5.00		78.5		70-130			
cis-1,2-Dichloroethylene	4.12				5.00		82.4		70-130			
trans-1,2-Dichloroethylene	3.24				5.00		**64.8**	*	70-130			L-03, V-05
1,2-Dichloropropane	3.55				5.00		71.0		70-130			
cis-1,3-Dichloropropene	3.69				5.00		73.9		70-130			
trans-1,3-Dichloropropene	4.34				5.00		86.9		70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	4.30				5.00		86.0		70-130			
1,4-Dioxane	5.31				5.00		106		70-130			V-36
Ethanol	5.85				5.00		117		70-130			
Ethylbenzene	3.99				5.00		79.7		70-130			
Heptane	3.51				5.00		70.3		70-130			
Hexachlorobutadiene	5.77				5.00		115		70-130			
Hexane	4.11				5.00		82.2		70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B377758 - TO-15 Prep											
LCS (B377758-BS1)					Prepared & Analyzed: 06/18/24						
Methyl tert-Butyl Ether (MTBE)	3.74				5.00		74.7	70-130			
Methylene Chloride	4.18				5.00		83.6	70-130			
4-Methyl-2-pentanone (MIBK)	3.90				5.00		78.0	70-130			
Naphthalene	4.99				5.00		99.7	70-130			V-35
Styrene	4.58				5.00		91.5	70-130			
1,1,2,2-Tetrachloroethane	4.29				5.00		85.8	70-130			
Tetrachloroethylene	5.05				5.00		101	70-130			
Toluene	4.05				5.00		81.0	70-130			
1,2,4-Trichlorobenzene	5.60				5.00		112	70-130			V-36
1,1,1-Trichloroethane	3.66				5.00		73.2	70-130			
1,1,2-Trichloroethane	4.37				5.00		87.4	70-130			
Trichloroethylene	3.88				5.00		77.6	70-130			
Trichlorofluoromethane (Freon 11)	4.62				5.00		92.4	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.77				5.00		95.3	70-130			
1,2,4-Trimethylbenzene	4.24				5.00		84.9	70-130			
1,3,5-Trimethylbenzene	4.78				5.00		95.6	70-130			
Vinyl Chloride	3.95				5.00		79.1	70-130			
m&p-Xylene	8.43				10.0		84.3	70-130			
o-Xylene	4.33				5.00		86.5	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*8.97*				*8.00*		*112*	*70-130*			
LCS (B377758-BS2)					Prepared & Analyzed: 06/18/24						
tert-Butyl Alcohol (TBA)	2.00				2.06		97.0	70-130			
2,2,4-Trimethylpentane	1.16				1.34		86.2	70-130			
Surrogate: 4-Bromofluorobenzene (2)	*9.76*				*8.00*		*122*	*70-130*			
Duplicate (B377758-DUP1)					**Source: 24F1161-04**	Prepared & Analyzed: 06/18/24					
Benzene	0.66	0.035	2.1	0.11		0.65			1.81	25	
Benzyl chloride	ND	0.070	ND	0.36		ND				25	
Bromodichloromethane	ND	0.035	ND	0.23		ND				25	
Bromoform	ND	0.035	ND	0.36		ND				25	
Bromomethane	ND	0.035	ND	0.14		ND				25	
2-Butanone (MEK)	1.9	1.4	5.6	4.1		1.9			0.882	25	
tert-Butyl Alcohol (TBA)	0.10	0.14	0.31	0.44		0.096			6.99	25	J
Carbon Tetrachloride	0.065	0.035	0.41	0.22		0.066			1.07	25	L-03
Chlorobenzene	ND	0.035	ND	0.16		ND				25	
Chloroethane	ND	0.035	ND	0.092		ND				25	
Chloroform	0.49	0.035	2.4	0.17		0.48			2.03	25	
Chloromethane	0.32	0.070	0.66	0.14		0.32			0.434	25	
Cyclohexane	0.53	0.035	1.8	0.12		0.51			4.83	25	
Dibromochloromethane	ND	0.035	ND	0.30		ND				25	
1,2-Dibromoethane (EDB)	ND	0.035	ND	0.27		ND				25	
1,2-Dichlorobenzene	ND	0.035	ND	0.21		ND				25	
1,3-Dichlorobenzene	ND	0.035	ND	0.21		ND				25	
1,4-Dichlorobenzene	0.053	0.035	0.32	0.21		0.057			7.59	25	
Dichlorodifluoromethane (Freon 12)	0.41	0.035	2.0	0.17		0.40			3.79	25	

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Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B377758 - TO-15 Prep											
Duplicate (B377758-DUP1)			**Source: 24F1161-04**		Prepared & Analyzed: 06/18/24						
1,1-Dichloroethane	ND	0.035	ND	0.14		ND				25	L-03, V-05
1,2-Dichloroethane	ND	0.035	ND	0.14		ND				25	
1,1-Dichloroethylene	ND	0.035	ND	0.14		ND				25	
cis-1,2-Dichloroethylene	ND	0.035	ND	0.14		ND				25	
trans-1,2-Dichloroethylene	ND	0.035	ND	0.14		ND				25	L-03, V-05
1,2-Dichloropropane	ND	0.035	ND	0.16		ND				25	
cis-1,3-Dichloropropene	ND	0.035	ND	0.16		ND				25	
trans-1,3-Dichloropropene	ND	0.035	ND	0.16		ND				25	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.035	ND	0.24		ND				25	
1,4-Dioxane	ND	0.35	ND	1.3		ND				25	
Ethylbenzene	1.7	0.035	7.5	0.15		1.7			2.46	25	
Heptane	0.52	0.035	2.1	0.14		0.52			0.134	25	
Hexachlorobutadiene	ND	0.035	ND	0.37		ND				25	
Hexane	1.3	1.4	4.6	4.9		1.3			0.586	25	J
Methyl tert-Butyl Ether (MTBE)	ND	0.035	ND	0.13		ND				25	
Methylene Chloride	ND	0.35	ND	1.2		ND				25	
4-Methyl-2-pentanone (MIBK)	ND	0.035	ND	0.14		ND				25	
Naphthalene	0.22	0.035	1.1	0.18		0.22			2.20	25	V-35
Styrene	0.054	0.035	0.23	0.15		0.050			9.40	25	
1,1,2,2-Tetrachloroethane	ND	0.035	ND	0.24		ND				25	
Toluene	3.4	0.035	13	0.13		3.3			3.24	25	
1,2,4-Trichlorobenzene	ND	0.035	ND	0.26		ND				25	
1,1,1-Trichloroethane	ND	0.035	ND	0.19		ND				25	
1,1,2-Trichloroethane	ND	0.035	ND	0.19		ND				25	
Trichloroethylene	0.51	0.035	2.8	0.19		0.51			1.78	25	
Trichlorofluoromethane (Freon 11)	0.20	0.14	1.1	0.78		0.20			2.43	25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.059	0.14	0.45	1.1		0.061			3.51	25	J
1,2,4-Trimethylbenzene	0.73	0.035	3.6	0.17		0.70			4.11	25	
1,3,5-Trimethylbenzene	0.19	0.035	0.92	0.17		0.17			11.1	25	
2,2,4-Trimethylpentane	0.094	0.093	0.44	0.44		0.092			2.25	25	
Vinyl Chloride	ND	0.035	ND	0.089		ND				25	
m&p-Xylene	6.9	0.070	30	0.30		6.8			1.36	25	
o-Xylene	2.3	0.035	9.8	0.15		2.2			3.96	25	
Surrogate: 4-Bromofluorobenzene (1)	*8.73*				*8.00*		*109*	*70-130*			
Surrogate: 4-Bromofluorobenzene (2)	*10.0*				*8.00*		*125*	*70-130*			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B377758 - TO-15 Prep											
Duplicate (B377758-DUP2)			**Source: 24F1161-04RE1**		Prepared: 06/18/24 Analyzed: 06/19/24						
Ethanol	81	20	150	38		80			0.509	25	
Tetrachloroethylene	66	0.50	450	3.4		67			2.14	25	
Surrogate: 4-Bromofluorobenzene (1)	*8.24*				*8.00*		*103*	*70-130*			
Surrogate: 4-Bromofluorobenzene (2)	*9.94*				*8.00*		*124*	*70-130*			

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Note: Blank Subtraction is not performed unless otherwise noted

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
RL	Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
LCS Dup	Duplicate Laboratory Control Sample
MS	Matrix Spike Sample
MS Dup	Duplicate Matrix Spike Sample
REC	Recovery
QC	Quality Control
ppbv	Parts per billion volume
EPA	United States Environmental Protection Agency
% REC	Percent Recovery
ND	Not Detected
N/A	Not Applicable
DL	Detection Limit
NC	Not Calculated
LFB/LCS	Lab Fortified Blank/Lab Control Sample
ORP	Oxidation-Reduction Potential
wet	Not dry weight corrected
% wt	Percent weight
Kg	Kilogram
g	Gram
mg	Milligram
µg	Microgram
ng	Nanogram
L	Liter
mL	Milliliter
µL	Microliter
m3	Cubic Meter
EPH	Extractable Petroleum Hydrocarbons
VPH	Volatile Petroleum Hydrocarbons
APH	Air Petroleum Hydrocarbons
FID	Flame Ionization Detector
PID	Photo Ionization Detector
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-35	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.
V-36	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (S105283-ICV1)			Lab File ID: K24A106019.D			Analyzed: 04/15/24 19:46			
Bromochloromethane (1)	87305	2.903	89107	2.903	98	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	195073	3.527	200182	3.527	97	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	177713	5.142	181661	5.142	98	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (2)	240598	3.528	226985	3.527	106	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (2)	51770	5.142	49250	5.143	105	60 - 140	-0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S106148-CCV1)			Lab File ID: K24A170003.D			Analyzed: 06/18/24 11:05			
Bromochloromethane (1)	83285	2.903	89107	2.903	93	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	220547	3.527	200182	3.527	110	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	198525	5.149	181661	5.142	109	60 - 140	0.0070	+/-0.50	
LCS (B377758-BS1)			Lab File ID: K24A170004.D			Analyzed: 06/18/24 11:34			
Bromochloromethane (1)	83048	2.904	83285	2.903	100	60 - 140	0.0010	+/-0.50	
1,4-Difluorobenzene (1)	227738	3.527	220547	3.527	103	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	202678	5.142	198525	5.149	102	60 - 140	-0.0070	+/-0.50	
Calibration Check (S106148-CCV2)			Lab File ID: K24A170005.D			Analyzed: 06/18/24 12:04			
1,4-Difluorobenzene (2)	215043	3.527	226985	3.527	95	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	43089	5.142	49250	5.143	87	60 - 140	-0.0010	+/-0.50	
LCS (B377758-BS2)			Lab File ID: K24A170006.D			Analyzed: 06/18/24 12:33			
1,4-Difluorobenzene (2)	215781	3.527	215043	3.527	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	44159	5.142	43089	5.142	102	60 - 140	0.0000	+/-0.50	
Blank (B377758-BLK1)			Lab File ID: K24A170009.D			Analyzed: 06/18/24 14:13			
Bromochloromethane (1)	83812	2.904	83285	2.903	101	60 - 140	0.0010	+/-0.50	
1,4-Difluorobenzene (1)	207162	3.527	220547	3.527	94	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	190678	5.142	198525	5.149	96	60 - 140	-0.0070	+/-0.50	
1,4-Difluorobenzene (2)	209008	3.527	215043	3.527	97	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	41148	5.142	43089	5.142	95	60 - 140	0.0000	+/-0.50	
Indoor (24F1161-01)			Lab File ID: K24A170010.D			Analyzed: 06/18/24 14:50			
Bromochloromethane (1)	79981	2.903	83285	2.903	96	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	214185	3.527	220547	3.527	97	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	200012	5.149	198525	5.149	101	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (2)	214185	3.527	215043	3.527	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	41469	5.142	43089	5.142	96	60 - 140	0.0000	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
DUP (24F1161-02)			Lab File ID: K24A170011.D			Analyzed: 06/18/24 15:27			
Bromochloromethane (1)	80876	2.903	83285	2.903	97	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	220909	3.527	220547	3.527	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	202558	5.15	198525	5.149	102	60 - 140	0.0010	+/-0.50	
1,4-Difluorobenzene (2)	220756	3.527	215043	3.527	103	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	43097	5.142	43089	5.142	100	60 - 140	0.0000	+/-0.50	
Outdoor (24F1161-03)			Lab File ID: K24A170012.D			Analyzed: 06/18/24 16:04			
Bromochloromethane (1)	81264	2.904	83285	2.903	98	60 - 140	0.0010	+/-0.50	
1,4-Difluorobenzene (1)	208172	3.528	220547	3.527	94	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1)	193182	5.15	198525	5.149	97	60 - 140	0.0010	+/-0.50	
1,4-Difluorobenzene (2)	208059	3.528	215043	3.527	97	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (2)	41254	5.142	43089	5.142	96	60 - 140	0.0000	+/-0.50	
Exhaust Grab (24F1161-04)			Lab File ID: K24A170013.D			Analyzed: 06/18/24 16:42			
Bromochloromethane (1)	82386	2.904	83285	2.903	99	60 - 140	0.0010	+/-0.50	
1,4-Difluorobenzene (1)	221782	3.535	220547	3.527	101	60 - 140	0.0080	+/-0.50	
Chlorobenzene-d5 (1)	206180	5.15	198525	5.149	104	60 - 140	0.0010	+/-0.50	
1,4-Difluorobenzene (2)	221642	3.535	215043	3.527	103	60 - 140	0.0080	+/-0.50	
Chlorobenzene-d5 (2)	44205	5.142	43089	5.142	103	60 - 140	0.0000	+/-0.50	
Duplicate (B377758-DUP1)			Lab File ID: K24A170014.D			Analyzed: 06/18/24 17:18			
Bromochloromethane (1)	81985	2.904	83285	2.903	98	60 - 140	0.0010	+/-0.50	
1,4-Difluorobenzene (1)	221796	3.528	220547	3.527	101	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1)	205736	5.143	198525	5.149	104	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (2)	221791	3.528	215043	3.527	103	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (2)	44073	5.143	43089	5.142	102	60 - 140	0.0010	+/-0.50	
Exhaust Grab (24F1161-04RE1)			Lab File ID: K24A170030.D			Analyzed: 06/19/24 08:41			
Bromochloromethane (1)	79354	2.904	83285	2.903	95	60 - 140	0.0010	+/-0.50	
1,4-Difluorobenzene (1)	199209	3.527	220547	3.527	90	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	187385	5.142	198525	5.149	94	60 - 140	-0.0070	+/-0.50	
1,4-Difluorobenzene (2)	199113	3.527	215043	3.527	93	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	39588	5.142	43089	5.142	92	60 - 140	0.0000	+/-0.50	
Duplicate (B377758-DUP2)			Lab File ID: K24A170031.D			Analyzed: 06/19/24 09:20			
Bromochloromethane (1)	78368	2.903	83285	2.903	94	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	198074	3.527	220547	3.527	90	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	189447	5.142	198525	5.149	95	60 - 140	-0.0070	+/-0.50	
1,4-Difluorobenzene (2)	197881	3.527	215043	3.527	92	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	38827	5.142	43089	5.142	90	60 - 140	0.0000	+/-0.50	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S106148-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT		
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Benzene	A	5.00	4.16	0.8125705	0.6762676		-16.8	30	
Benzyl chloride	A	5.00	4.62	0.6050113	0.6520086		-7.6	30	
Bromodichloromethane	A	5.00	4.02	0.6600421	0.5309054		-19.6	30	
Bromoform	A	5.00	6.20	0.4582029	0.568142		24.0	30	
Bromomethane	A	5.00	4.80	0.5997196	0.575585		-4.0	30	
2-Butanone (MEK)	A	5.00	3.53	1.437234	1.014233		-29.4	30	
Carbon Tetrachloride	A	5.00	4.73	0.5360304	0.5069214		-5.4	30	
Chlorobenzene	A	5.00	4.22	0.8437425	0.7128815		-15.5	30	
Chloroethane	A	5.00	4.20	0.3972731	0.3332941		-16.1	30	
Chloroform	A	5.00	4.36	1.488916	1.299499		-12.7	30	
Chloromethane	A	5.00	3.56	0.7669907	0.5459999		-28.8	30	
Cyclohexane	A	5.00	3.78	0.3462023	0.2616331		-24.4	30	
Dibromochloromethane	A	5.00	5.19	0.5803333	0.6025961		3.8	30	
1,2-Dibromoethane (EDB)	A	5.00	4.26	0.559033	0.4766271		-14.7	30	
1,2-Dichlorobenzene	A	5.00	5.71	0.5815736	0.6644523		14.3	30	
1,3-Dichlorobenzene	A	5.00	5.87	0.6669087	0.7824264		17.3	30	
1,4-Dichlorobenzene	A	5.00	5.65	0.5759686	0.6513316		13.1	30	
Dichlorodifluoromethane (Freon 12)	A	5.00	4.38	1.759801	1.541752		-12.4	30	
1,1-Dichloroethane	A	5.00	3.36	1.482462	0.995848		-32.8	30	*
1,2-Dichloroethane	A	5.00	3.87	1.048043	0.8109407		-22.6	30	
1,1-Dichloroethylene	A	5.00	3.87	1.292964	1.00019		-22.6	30	
cis-1,2-Dichloroethylene	A	5.00	4.00	1.006326	0.8049661		-20.0	30	
trans-1,2-Dichloroethylene	A	5.00	3.24	1.230032	0.7967437		-35.2	30	*
1,2-Dichloropropane	A	5.00	3.54	0.3627084	0.2568305		-29.2	30	
cis-1,3-Dichloropropene	A	5.00	4.06	0.4994679	0.4054718		-18.8	30	
trans-1,3-Dichloropropene	A	5.00	4.23	0.362027	0.3064018		-15.4	30	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	4.59	1.741838	1.597618		-8.3	30	
1,4-Dioxane	A	5.00	4.98	0.1289199	0.1283282		-0.5	30	
Ethanol	A	5.00	5.14	0.1510718	0.1552645		2.8	30	
Ethylbenzene	A	5.00	4.06	1.341114	1.089177		-18.8	30	
Heptane	A	5.00	3.62	0.2939088	0.2130194		-27.5	30	
Hexachlorobutadiene	A	5.00	6.05	0.3974328	0.4807213		21.0	30	
Hexane	A	5.00	4.03	0.7974254	0.6422093		-19.5	30	
Methyl tert-Butyl Ether (MTBE)	A	5.00	3.66	1.842859	1.348276		-26.8	30	
Methylene Chloride	A	5.00	4.12	0.8905306	0.7342499		-17.5	30	
4-Methyl-2-pentanone (MIBK)	A	5.00	3.76	0.2515395	0.1893764		-24.7	30	
Naphthalene	A	5.00	5.25	0.7696101	0.80787		5.0	30	
Styrene	A	5.00	4.34	0.6931352	0.6020884		-13.1	30	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S106148-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1,2,2-Tetrachloroethane	A	5.00	4.45	0.7949978	0.7078282		-11.0	30
Tetrachloroethylene	A	5.00	5.05	0.4393819	0.4436963		1.0	30
Toluene	A	5.00	3.99	1.064963	0.8504078		-20.1	30
1,2,4-Trichlorobenzene	A	5.00	5.56	0.3145178	0.3500778		11.3	30
1,1,1-Trichloroethane	A	5.00	3.94	0.5920208	0.4670351		-21.1	30
1,1,2-Trichloroethane	A	5.00	4.37	0.3639298	0.3183881		-12.5	30
Trichloroethylene	A	5.00	4.06	0.382826	0.3106531		-18.9	30
Trichlorofluoromethane (Freon 11)	A	5.00	4.60	1.690812	1.555661		-8.0	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	4.66	1.343977	1.252105		-6.8	30
1,2,4-Trimethylbenzene	A	5.00	4.38	1.072241	0.9385458		-12.5	30
1,3,5-Trimethylbenzene	A	5.00	4.66	0.9923743	0.925288		-6.8	30
Vinyl Chloride	A	5.00	3.95	0.7854419	0.6200973		-21.1	30
m&p-Xylene	A	10.0	8.62	1.08204	0.9329888		-13.8	30
o-Xylene	A	5.00	4.36	1.04291	0.9097413		-12.8	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

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CONTINUING CALIBRATION CHECK

EPA TO-15

S106148-CCV2

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
tert-Butyl Alcohol (TBA)	A	2.06	1.86	0.8229674	0.7441998		-9.6	30
2,2,4-Trimethylpentane	A	1.34	1.12	1.996574	1.66209		-16.8	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Benzene	FL,NJ,NY,ME,NH,VA
Benzyl chloride	FL,NJ,NY,ME,NH,VA
Bromodichloromethane	NJ,NY,ME,NH,VA
Bromoform	NJ,NY,ME,NH,VA
Bromomethane	FL,NJ,NY,ME,NH
2-Butanone (MEK)	FL,NJ,NY,ME,NH,VA
tert-Butyl Alcohol (TBA)	NY,ME,NH
Carbon Tetrachloride	FL,NJ,NY,ME,NH,VA
Chlorobenzene	FL,NJ,NY,ME,NH,VA
Chloroethane	FL,NJ,NY,ME,NH,VA
Chloroform	FL,NJ,NY,ME,NH,VA
Chloromethane	FL,NJ,NY,ME,NH,VA
Cyclohexane	NJ,NY,ME,NH,VA
Dibromochloromethane	NY,ME,NH
1,2-Dibromoethane (EDB)	NJ,NY,ME,NH
1,2-Dichlorobenzene	FL,NJ,NY,ME,NH,VA
1,3-Dichlorobenzene	NJ,NY,ME,NH
1,4-Dichlorobenzene	FL,NJ,NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	NY,ME,NH
1,1-Dichloroethane	FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	FL,NJ,NY,ME,NH,VA
1,1-Dichloroethylene	FL,NJ,NY,ME,NH,VA
cis-1,2-Dichloroethylene	FL,NY,ME,NH,VA
trans-1,2-Dichloroethylene	NJ,NY,ME,NH,VA
1,2-Dichloropropane	FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	FL,NJ,NY,ME,NH,VA
trans-1,3-Dichloropropene	NY,ME,NH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	NJ,NY,ME,NH,VA
1,4-Dioxane	NJ,NY,ME,NH,VA
Ethylbenzene	FL,NJ,NY,ME,NH,VA
Heptane	NJ,NY,ME,NH,VA
Hexachlorobutadiene	NJ,NY,ME,NH,VA
Hexane	FL,NJ,NY,ME,NH,VA
Methyl tert-Butyl Ether (MTBE)	FL,NJ,NY,ME,NH,VA
Methylene Chloride	FL,NJ,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	FL,NJ,NY,ME,NH
Naphthalene	NY,ME,NH
Styrene	FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	FL,NJ,NY,ME,NH,VA
Tetrachloroethylene	FL,NJ,NY,ME,NH,VA
Toluene	FL,NJ,NY,ME,NH,VA
1,2,4-Trichlorobenzene	NJ,NY,ME,NH,VA
1,1,1-Trichloroethane	FL,NJ,NY,ME,NH,VA
1,1,2-Trichloroethane	FL,NJ,NY,ME,NH,VA
Trichloroethylene	FL,NJ,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	NY,ME,NH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NJ,NY,ME,NH,VA

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
1,2,4-Trimethylbenzene	NJ,NY,ME,NH
1,3,5-Trimethylbenzene	NJ,NY,ME,NH
2,2,4-Trimethylpentane	NJ,NY,ME,NH,VA
Vinyl Chloride	FL,NJ,NY,ME,NH,VA
m&p-Xylene	FL,NJ,NY,ME,NH,VA
o-Xylene	FL,NJ,NY,ME,NH,VA

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
NY	New York State Department of Health	10899 NELAP	04/1/2025
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2025
NJ	New Jersey DEP	MA007 NELAP	06/30/2025
FL	Florida Department of Health	E871027 NELAP	06/30/2025
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024

Pace Analytical®

24F1161

Phone: 413-525-2332
Fax: 413-525-6405
www.pacelabs.com

http://www.pacelabs.com DOC #378 REV3_11232021

CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name:	NYS DEC
Address:	625 Broadway Albany NY
Phone:	
Project Name:	#828120
Project Location:	2101 Monroe Ave, Brighton NY
Project Number:	Carriage Cleaners
Project Manager:	Charles Gregory
Pace Quote Name/Number:	2405037
Invoice Recipient:	
Sampled By:	Owen Ogilvy

Requested Turnaround Time
7-Day ☐ 10-Day ☒
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other:
CLP Like Data Pkg Required: ☐
Email To:
Fax To #:

ANALYSIS REQUESTED

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	TO-15 DER TCL				→ " Hg		Lab Receipt Pressure	Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply	For summa canister and flow controller information please refer to Con-Test's Air Media Agreement	
Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	☐ m³/min ☒ L/min	Code	☒ Liters ☐ m³					Initial Pressure	Final Pressure			Summa Can ID	Flow Controller ID
01	Indoor	6/6 0828	1628	480	.0125	IA	6	X				29	15			1249	5107
02	DUP	6/6 0828	1628	480	.0125	IA	6	X				29	15			1821	5107
03	Outdoor	6/6 0830	1630	480	.0125	AMB	6	X				29.5	9			P2831	3772
04	Exhaust Grab	6/6 1000	6/6 1005	5	1.2	O	6	X				30	5			1701	7089

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other Exhaust

Relinquished by: (signature)	Date/Time: 6/7	Detection Limit Requirements	Special Requirements
Received by: (signature) PACE	Date/Time: 6/7 1330	MA	☐ MA MCP Required
Relinquished by: (signature)	Date/Time:		MCP Certification Form Required
Received by: (signature)	Date/Time: 6-7-24 1800	CT	☐ CT RCP Required
Relinquished by: (signature)	Date/Time:		RCP Certification Form Required
Received by: (signature)	Date/Time:	Other:	☐ Other

Pace Analytical®
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☒ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0009 v04_Air Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client NYS DEC

Project # 828120

MCP/RCP Required —

Deliverable Package Requirement

Location 2101 Monroe Ave Brighton NY

PWSID# (When Applicable) —

Arrival Method Courier

Received By / Date / Time

Back-Sheet By / Date / Time TPH 6-10-24 1033

Temperature Method — #

Temp ≤ 6° C Actual Temperature —

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy)
Any False statement will be brought to the attention of the Client – True or False

	True	False
Received on Ice	☐	☒
Received in Cooler	☐	☒
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☐	☒
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Individually Certified Cans	☐	☒
Trip Blanks	☐	☒
COC Legible	☒	☐

COC Included: (Check all included)

Client ☒ Analysis ☒ Sampler Name ☒

Project ☒ IDs ☒ Collection Date/Time ☒

Container	#	Size	Regulator	Duration	Accessories			
Summa Cans	4	6L	1:2	6ab:8hr	Nut/Ferrule		IC Train	
Tedlar Bags					Tubing			
TO-17 Tubes					T-Connector	1	Shipping Charges	
Radiello					Syringe			
Pufs/ TO-11					Tedlar			

Can #'s															Regs #'s													
1	1249	5		10		15			1	5107	5		10		15	
2	1821	6		11		16			2	—	6		11		16	
3	P2831	7		12		17			3	3772	7		12		17	
4	1701	8		13		18			4	7089	8		13		18	
Unused Media		9		14		19			**Pufs/TO-17's**		9		14		19	
1		4		9		14			1		5		10		15	
2		5		10		15			2		6		11		16	
3		6		11		16			3		7		12		17	
4		7		12		17			4		8		13		18	
		8		13		18					9		14		19	

Qualtrax ID: 127034

Page 1 of 1

Air Sampling Media Certificate of Analysis

Date Analyzed: 5/16/2024 **Batch #:** 24CC0453

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC1249

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: KMC 6/19/24

Air Sampling Media Certificate of Analysis

Date Analyzed: 5/15/2024 **Batch #:** 24CC0452

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs: BC1821

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: KMC 6/19/24

Air Sampling Media Certificate of Analysis

Date Analyzed: 5/8/2024 **Batch #:** 24CC0436

Certification Type: *Batch Certified* ☑ *Individual Certified* ☐

Media Type: *Summa Canister* ☑ *Flow Controllers* ☐

Media IDs:			
	BC1701	BCP2831	

Note:Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1.3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.20	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.20	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.2	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes:

Analyst Initials/Date: KMC 6/19/24

AIR

SAMPLE DATA

1 - FORM I
ANALYSIS DATA SHEET

Indoor

Laboratory:	Pace New England			Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY			Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1
Matrix:	Indoor air	Laboratory ID:	24F1161-01	File ID:	K24A170010.D
Sampled:	06/06/24 16:28	Prepared:	06/18/24 00:00	Analyzed:	06/18/24 14:50
Solids:		Preparation:	TO-15 Prep	Dilution:	0.8
Initial/Final:	400 mL / 400 mL				
Batch:	B377758	Sequence:	S106148	Calibration:	2400609
				Instrument:	SYSK

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
71-43-2	Benzene	0.22	0.012	0.040	
100-44-7	Benzyl chloride		0.020	0.080	
75-27-4	Bromodichloromethane		0.016	0.040	
75-25-2	Bromoform		0.0096	0.040	
74-83-9	Bromomethane		0.034	0.040	
78-93-3	2-Butanone (MEK)	0.94	0.78	1.6	J
75-65-0	tert-Butyl Alcohol (TBA)	0.12	0.062	0.16	J
56-23-5	Carbon Tetrachloride	0.064	0.031	0.040	L-03
108-90-7	Chlorobenzene		0.013	0.040	
75-00-3	Chloroethane		0.037	0.040	
67-66-3	Chloroform	0.44	0.020	0.040	
74-87-3	Chloromethane	0.50	0.053	0.080	
110-82-7	Cyclohexane	0.13	0.031	0.040	
124-48-1	Dibromochloromethane		0.027	0.040	
106-93-4	1,2-Dibromoethane (EDB)		0.025	0.040	
95-50-1	1,2-Dichlorobenzene		0.013	0.040	
541-73-1	1,3-Dichlorobenzene		0.012	0.040	
106-46-7	1,4-Dichlorobenzene	0.063	0.019	0.040	
75-71-8	Dichlorodifluoromethane (Freon 12)	0.59	0.017	0.040	
75-34-3	1,1-Dichloroethane		0.019	0.040	V-05, L-03
107-06-2	1,2-Dichloroethane		0.015	0.040	
75-35-4	1,1-Dichloroethylene		0.028	0.040	
156-59-2	cis-1,2-Dichloroethylene		0.019	0.040	
156-60-5	trans-1,2-Dichloroethylene		0.019	0.040	V-05, L-03
78-87-5	1,2-Dichloropropane		0.030	0.040	
10061-01-5	cis-1,3-Dichloropropene		0.020	0.040	
10061-02-6	trans-1,3-Dichloropropene		0.039	0.040	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.016	0.040	
123-91-1	1,4-Dioxane		0.20	0.40	

1 - FORM I
ANALYSIS DATA SHEET

Indoor

Laboratory:	Pace New England			Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY			Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1
Matrix:	Indoor air	Laboratory ID:	24F1161-01	File ID:	K24A170010.D
Sampled:	06/06/24 16:28	Prepared:	06/18/24 00:00	Analyzed:	06/18/24 14:50
Solids:		Preparation:	TO-15 Prep	Dilution:	0.8
Initial/Final:	400 mL / 400 mL				
Batch:	B377758	Sequence:	S106148	Calibration:	2400609
Instrument:	SYSK				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
64-17-5	Ethanol	260	1.1	1.6	
100-41-4	Ethylbenzene	0.24	0.014	0.040	
142-82-5	Heptane	0.20	0.025	0.040	
87-68-3	Hexachlorobutadiene		0.024	0.040	
110-54-3	Hexane		0.84	1.6	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.020	0.040	
75-09-2	Methylene Chloride	0.13	0.11	0.40	J
108-10-1	4-Methyl-2-pentanone (MIBK)		0.019	0.040	
91-20-3	Naphthalene	0.24	0.032	0.040	V-35
100-42-5	Styrene	0.050	0.031	0.040	
79-34-5	1,1,2,2-Tetrachloroethane		0.0099	0.040	
127-18-4	Tetrachloroethylene	21	0.034	0.040	
108-88-3	Toluene	0.87	0.020	0.040	
120-82-1	1,2,4-Trichlorobenzene		0.023	0.040	
71-55-6	1,1,1-Trichloroethane		0.018	0.040	
79-00-5	1,1,2-Trichloroethane		0.014	0.040	
79-01-6	Trichloroethylene	0.16	0.031	0.040	
75-69-4	Trichlorofluoromethane (Freon 11)	0.20	0.016	0.16	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.066	0.011	0.16	J
95-63-6	1,2,4-Trimethylbenzene	0.21	0.024	0.040	
108-67-8	1,3,5-Trimethylbenzene	0.057	0.031	0.040	
540-84-1	2,2,4-Trimethylpentane	0.054	0.034	0.11	J
75-01-4	Vinyl Chloride		0.020	0.040	
179601-23-1	m&p-Xylene	0.87	0.027	0.080	
95-47-6	o-Xylene	0.33	0.013	0.040	

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170010.D
Acq On : 18 Jun 2024 02:50 pm
Operator : CMR
Sample : 24F1161-01 0.8X Inst : SYSK
Misc : 2,1,200,500,0.8X
ALS Vial : 8 Sample Multiplier: 1
InstName : SYSK

Quant Time: Jun 19 11:05:06 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Apr 23 10:16:53 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.903	49	79981	8.000	PPBV	# 0.00
30) 1,4-DIFLUOROBENZENE (1)	3.527	114	214185m	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.149	117	200012	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.909	49	80829	8.000	PPBV	# 0.00
77) 1,4-DIFLUOROBENZENE (1...	3.533	114	223422	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.148	117	205971	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.799	174	113177	8.506	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 106.38%			
88) 4-BROMOFLUOROBENZENE (...	5.805	174	118898	8.797	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 110.00%			
Target Compounds						Qvalue
3) DICHLORODIFLUOROMETHANE	1.544	85	12881	0.732	PPBV	99
4) CHLOROMETHANE	1.587	50	4809	0.627	PPBV	96
10) ACROLEIN	1.951	56	5006	1.644	PPBV	86
11) ACETONE	1.994	43	139059	14.080	PPBV	80
12) TRICHLOROFLUOROMETHANE	2.051	101	4183	0.247	PPBV	98
13) ETHANOL	1.844	45	498861	330.293	PPBV	98
15) METHYLENE CHLORIDE	2.291	49	1484	0.167	PPBV	87
16) FREON 113	2.381	101	1112	0.083	PPBV #	64
21) IPA	2.065	45	20267	1.445	PPBV	84
22) 2-BUTANONE(MEK)	2.729	43	16894	1.176	PPBV	87
24) VINYL ACETATE	2.661	43	16933	0.956	PPBV	83
25) HEXANE	2.926	41	4139	0.519	PPBV	96
27) CHLOROFORM	2.941	83	8146	0.547	PPBV	100
28) TETRAHYDROFURAN	3.073	42	1175	0.202	PPBV #	57
32) BENZENE	3.400	78	6105	0.281	PPBV	68
33) CARBON TETRACHLORIDE	3.452	117	1155	0.080	PPBV	94
34) CYCLOHEXANE	3.497	84	1485	0.160	PPBV #	74
37) TRICHLOROETHENE	3.769	95	2038	0.199	PPBV	84
40) HEPTANE	3.891	57	1980	0.252	PPBV	98
46) TOLUENE	4.446	91	28844	1.083	PPBV	97
47) 2-HEXANONE(MBK)	4.568	43	2745	0.180	PPBV #	35
50) TETRACHLOROETHENE	4.892	166	281927	25.664	PPBV	92
52) ETHYLBENZENE	5.329	91	10067	0.300	PPBV	95
53) M/P-XYLENE	5.404	91	29417m	1.087	PPBV	
55) STYRENE	5.555	104	1093	0.063	PPBV	90
56) O-XYLENE	5.600	91	10605	0.407	PPBV	95
59) 4-ETHYLTOLUENE	6.164	105	7113m	0.211	PPBV	
60) 1,3,5-TRIMETHYLBENZENE	6.214	105	1764	0.071	PPBV	90
61) 1,2,4-TRIMETHYLBENZENE	6.414	105	6881	0.257	PPBV #	95
64) 1,4-DICHLOROBENZENE	6.507	146	1143	0.079	PPBV	97
67) NAPHTHALENE	7.732	128	5715	0.297	PPBV #	92
75] CHLOROFORM (SIM)	2.947	83	8100	0.572	PPBV	98
76] 1,2-DICHLOROETHANE (SIM)	3.172	62	237	0.021	PPBV	96
78] CARBON TETRACHLORIDE (...	3.458	117	1146	0.074	PPBV	100
81] TRICHLOROETHENE (SIM)	3.767	95	2021	0.183	PPBV	87
87] 1,1,2,2-TETRACHLOROETH...	5.575	83	394	0.018	PPBV	77
89] NAPHTHALENE (SIM)	7.730	128	5739	0.268	PPBV	98

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170010.D
Acq On : 18 Jun 2024 02:50 pm
Operator : CMR
Sample : 24F1161-01 0.8X Inst : SYSK
Misc : 2,1,200,500,0.8X
ALS Vial : 8 Sample Multiplier: 1
InstName : SYSK

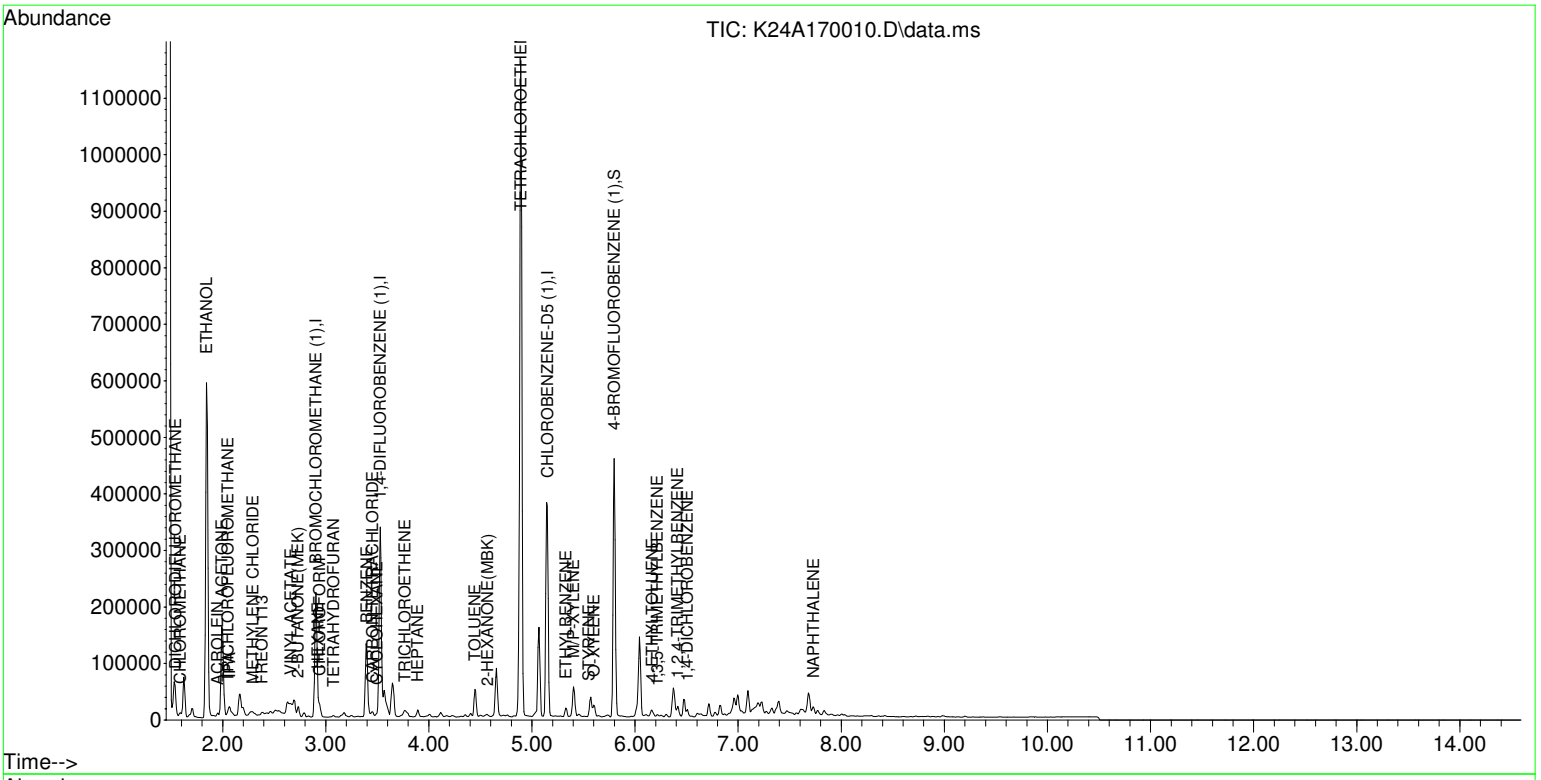
Quant Time: Jun 19 11:05:06 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Apr 23 10:16:53 2024
Response via : Initial Calibration

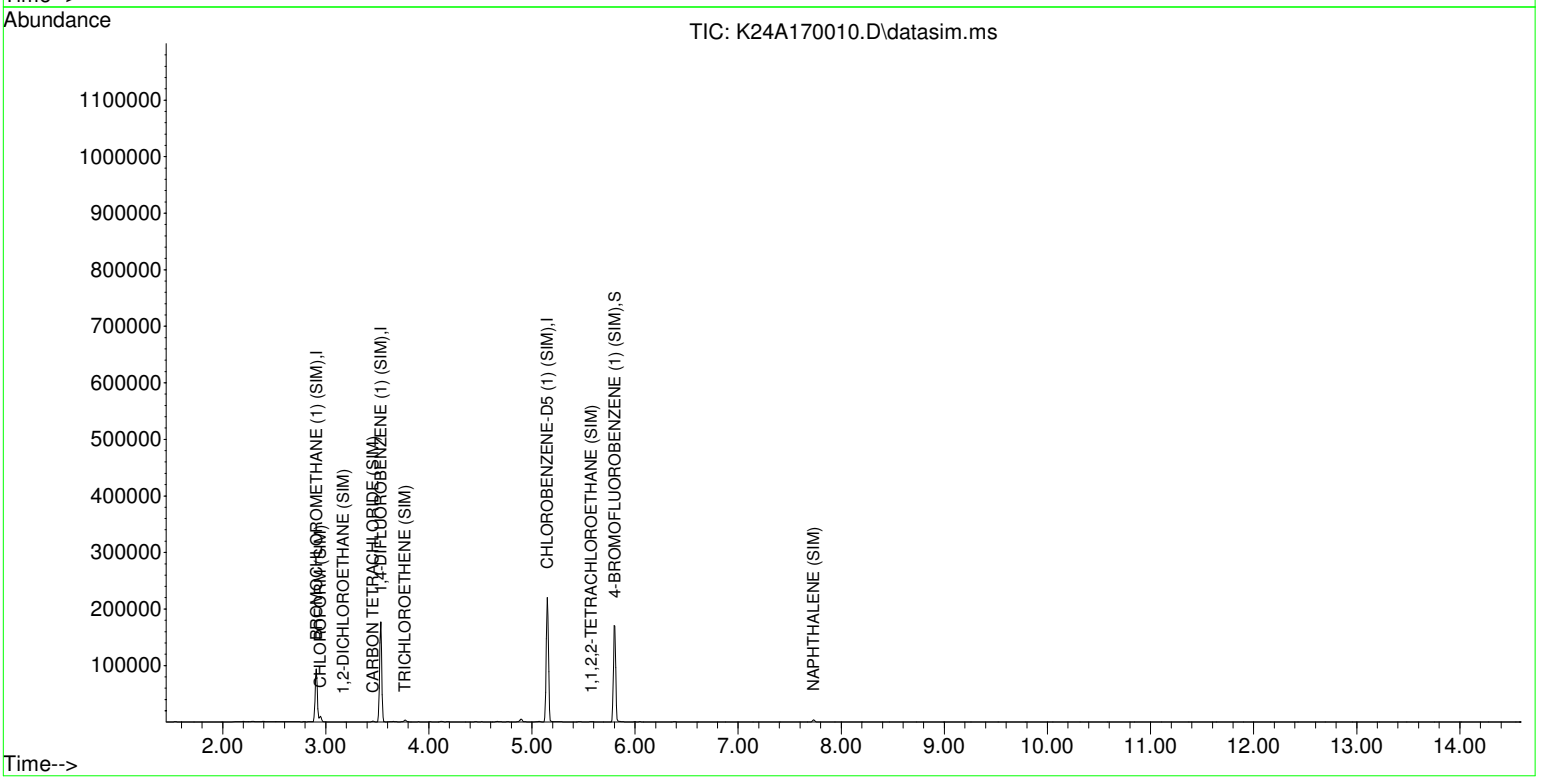
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

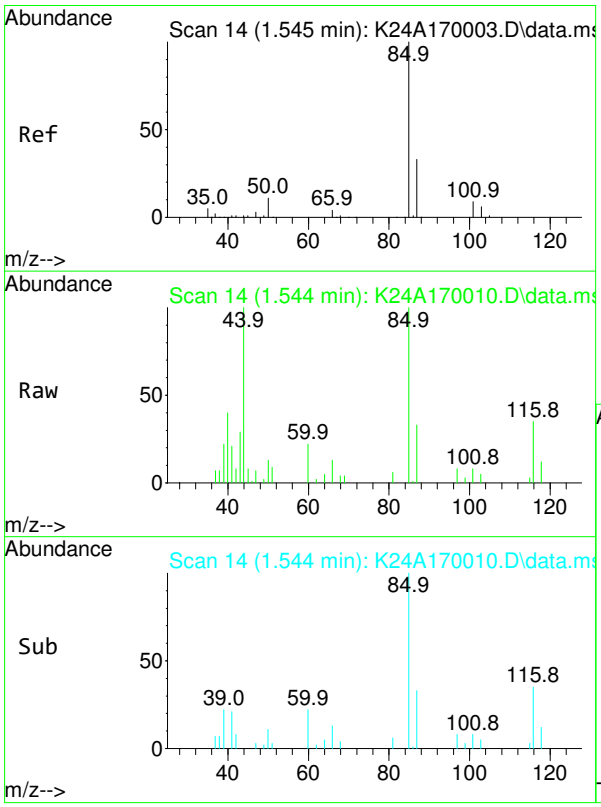
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170010.D
Acq On : 18 Jun 2024 02:50 pm
Operator : CMR
Sample : 24F1161-01 0.8X Inst : SYSK
Misc : 2,1,200,500,0.8X
ALS Vial : 8 Sample Multiplier: 1
InstName : SYSK

Quant Time: Jun 19 11:05:06 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Apr 23 10:16:53 2024
Response via : Initial Calibration



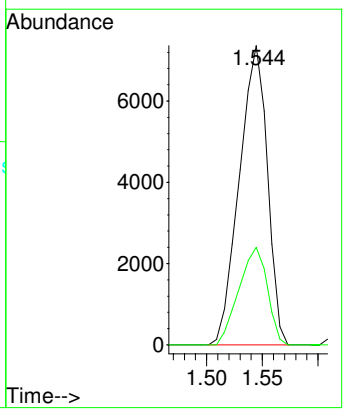


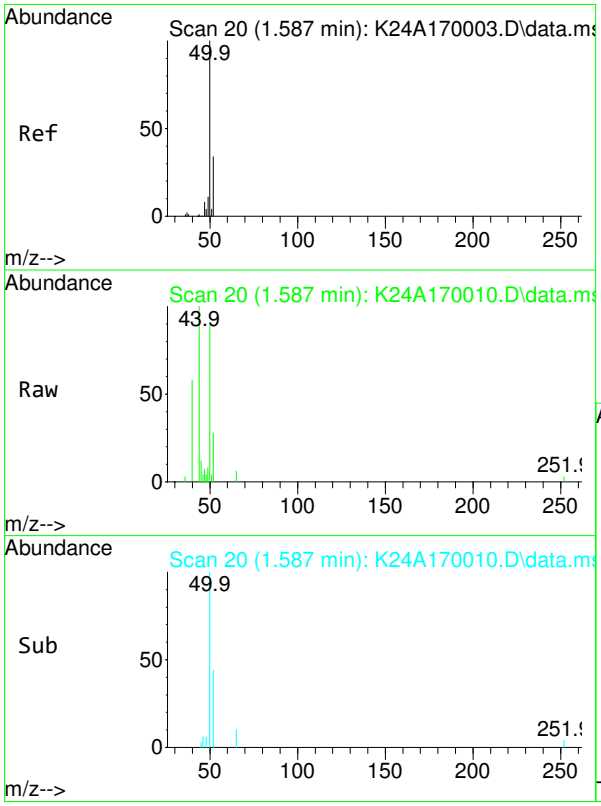


#3
DICHLORODIFLUOROMETHANE
Concen: 0.73 PPBV
RT: 1.544 min Scan# 14
Delta R.T. -0.003 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion: 85 Resp: 12881

Ion	Ratio	Lower	Upper
85	100		
87	33.0	12.3	52.3

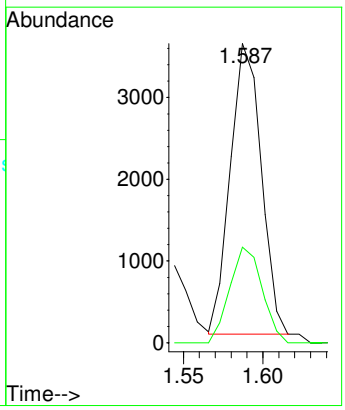


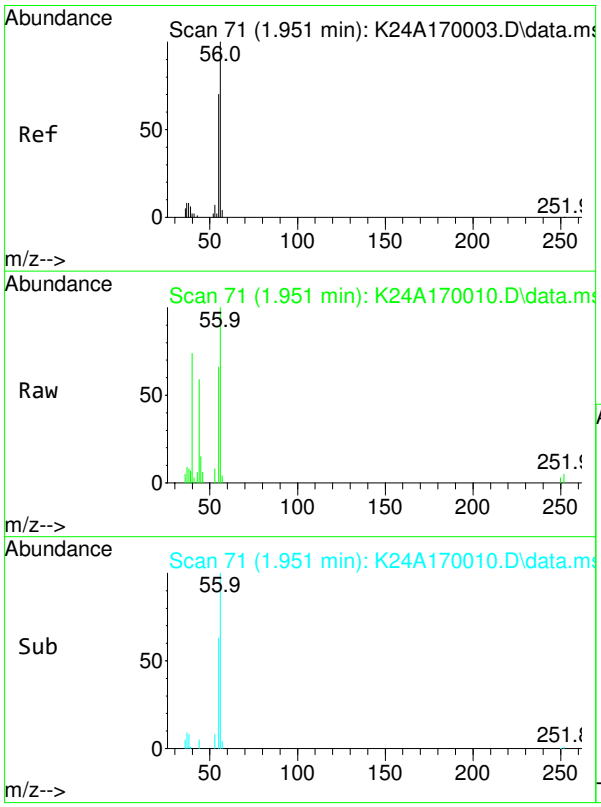


#4
CHLOROMETHANE
Concen: 0.63 PPBV
RT: 1.587 min Scan# 20
Delta R.T. -0.001 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion: 50 Resp: 4809

Ion	Ratio	Lower	Upper
50	100		
52	34.3	12.2	52.2

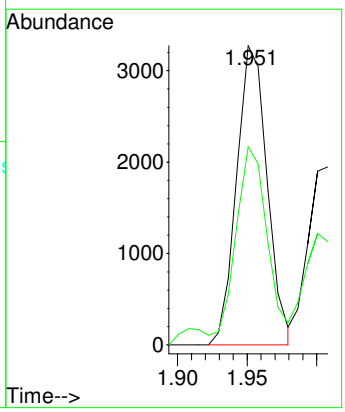


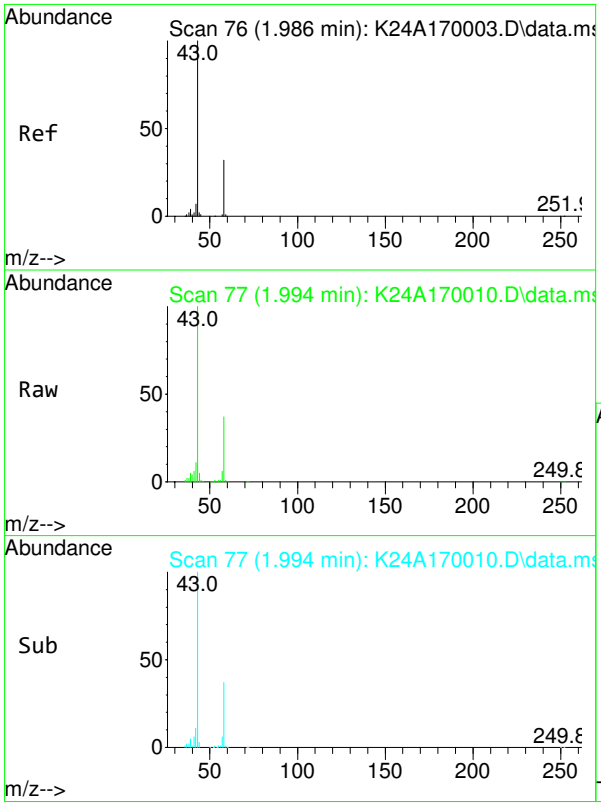


#10
ACROLEIN
Concen: 1.64 PPBV
RT: 1.951 min Scan# 71
Delta R.T. -0.000 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion: 56 Resp: 5006

Ion	Ratio	Lower	Upper
56	100		
55	61.6	58.6	87.8

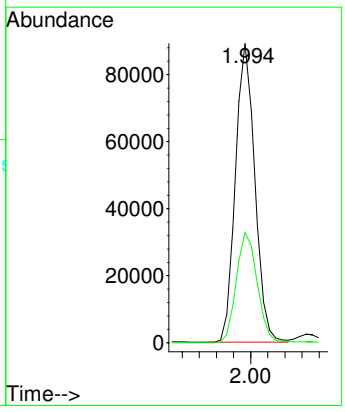


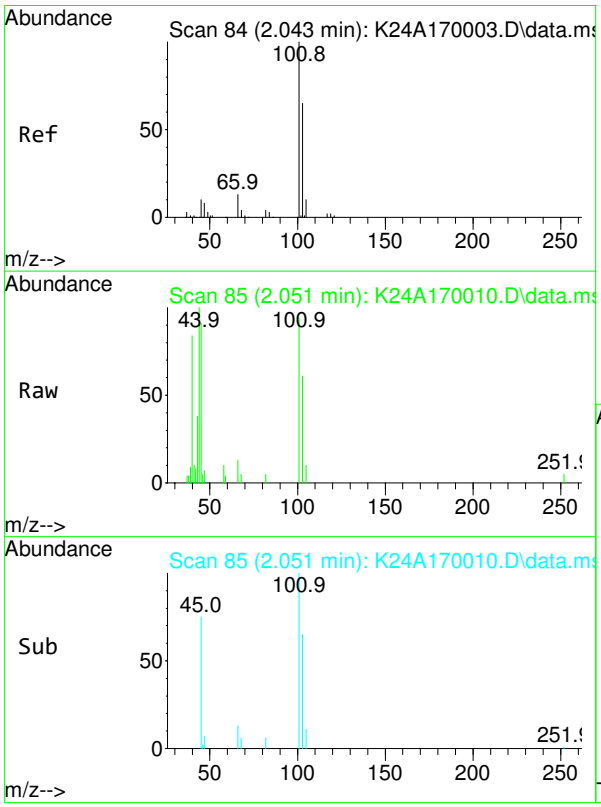


#11
ACETONE
Concen: 14.08 PPBV
RT: 1.994 min Scan# 77
Delta R.T. 0.008 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion: 43 Resp: 139059

Ion	Ratio	Lower	Upper
43	100		
58	39.8	9.1	49.1

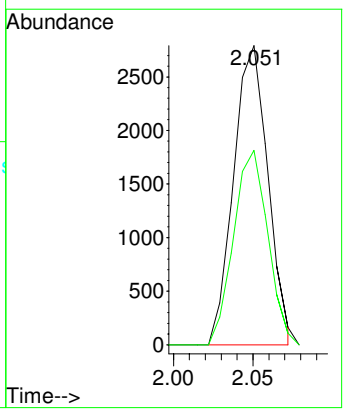


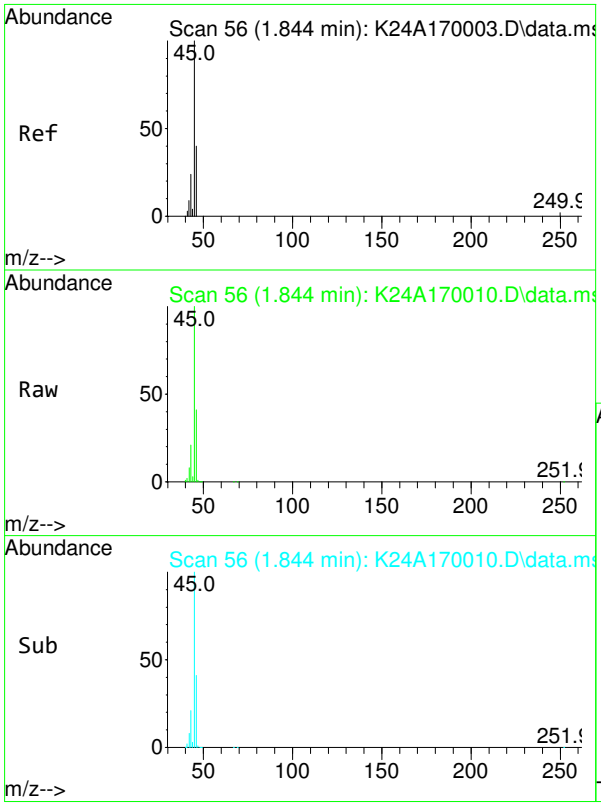


#12
TRICHLOROFLUOROMETHANE
Concen: 0.25 PPBV
RT: 2.051 min Scan# 85
Delta R.T. 0.003 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion:101 Resp: 4183

Ion	Ratio	Lower	Upper
101	100		
103	64.9	43.0	83.0

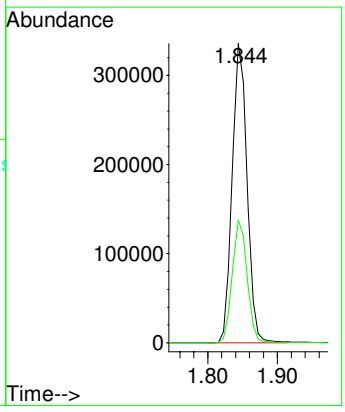


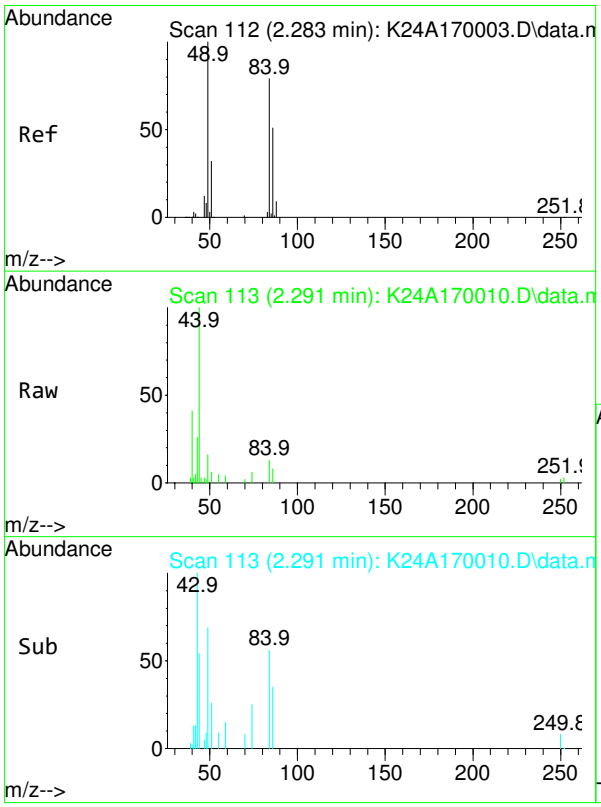


#13
ETHANOL
Concen: 330.29 PPBV
RT: 1.844 min Scan# 56
Delta R.T. 0.001 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion: 45 Resp: 498861

Ion	Ratio	Lower	Upper
45	100		
46	41.0	19.9	59.9

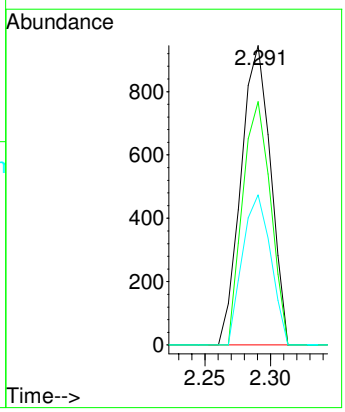


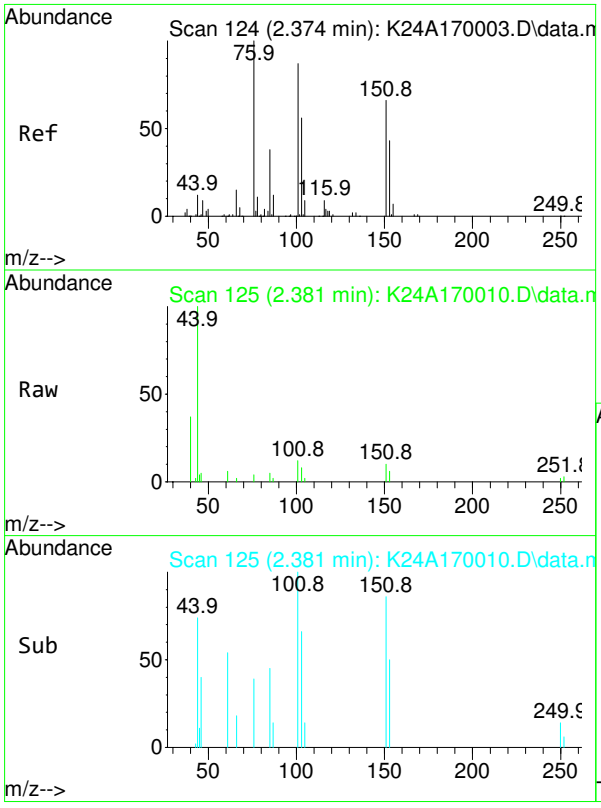


#15
METHYLENE CHLORIDE
Concen: 0.17 PPBV
RT: 2.291 min Scan# 113
Delta R.T. 0.008 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion: 49 Resp: 1484

Ion	Ratio	Lower	Upper
49	100		
84	76.6	44.5	84.5
86	47.6	21.1	61.1

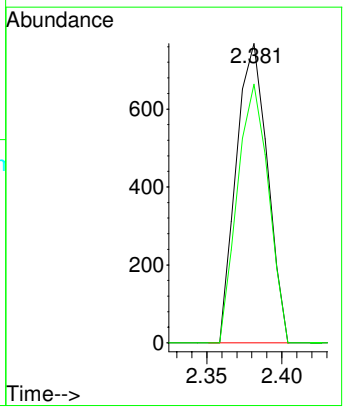


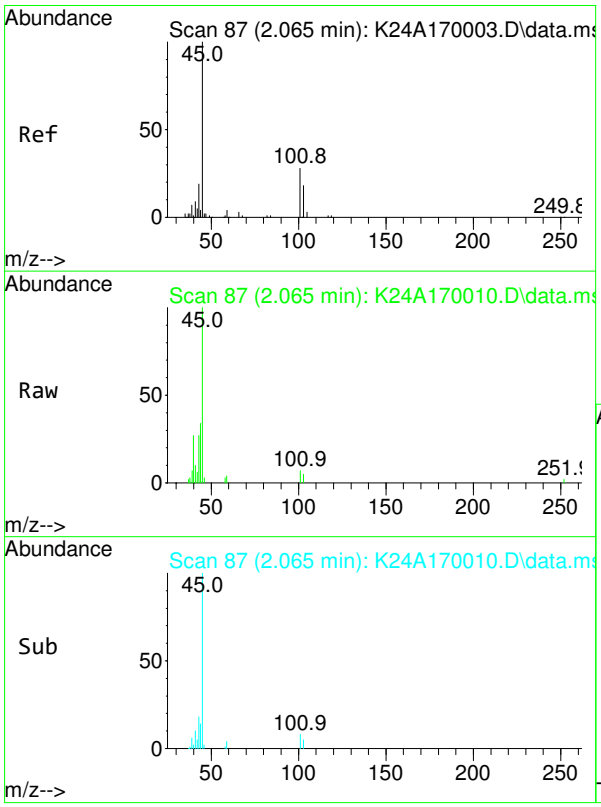


#16
FREON 113
Concen: 0.08 PPBV
RT: 2.381 min Scan# 125
Delta R.T. 0.008 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion:101 Resp: 1112

Ion	Ratio	Lower	Upper
101	100		
151	85.9	39.0	79.0#

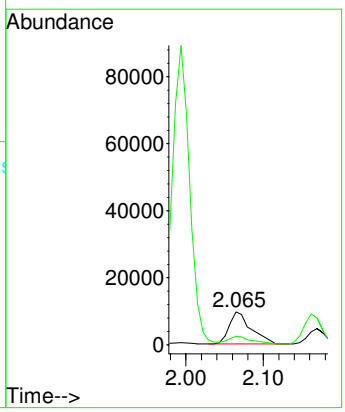


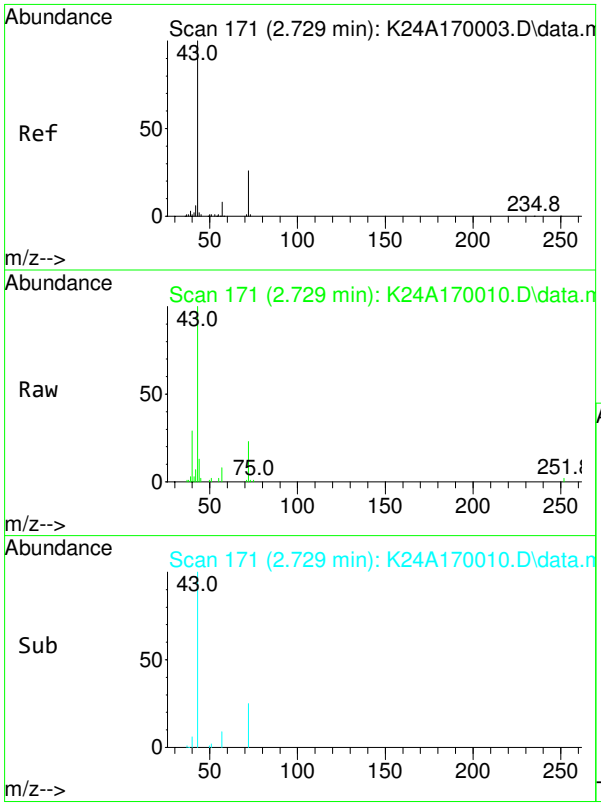


#21
IPA
Concen: 1.44 PPBV
RT: 2.065 min Scan# 87
Delta R.T. 0.002 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion: 45 Resp: 20267

Ion	Ratio	Lower	Upper
45	100		
43	27.7	0.2	40.2

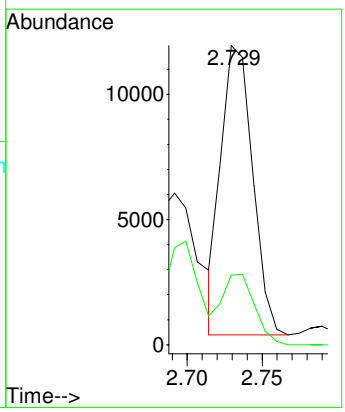


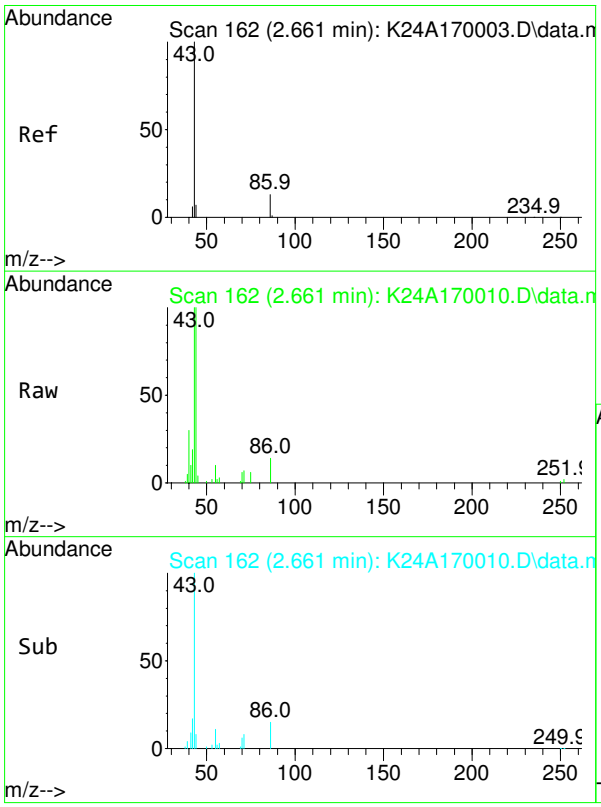


#22
2-BUTANONE(MEK)
Concen: 1.18 PPBV
RT: 2.729 min Scan# 171
Delta R.T. 0.001 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion: 43 Resp: 16894

Ion	Ratio	Lower	Upper
43	100		
72	25.6	0.0	39.8

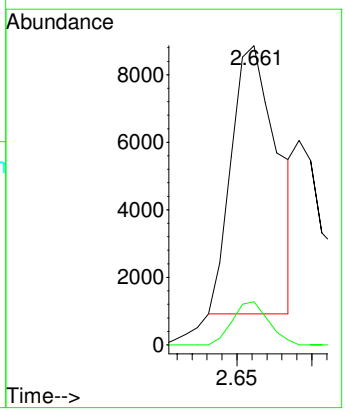


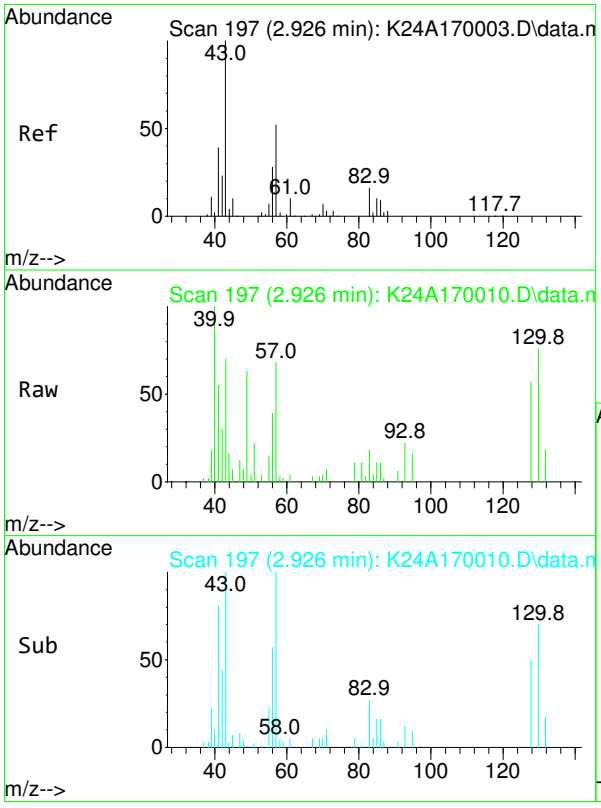


#24
VINYL ACETATE
Concen: 0.96 PPBV
RT: 2.661 min Scan# 162
Delta R.T. -0.004 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion: 43 Resp: 16933

Ion	Ratio	Lower	Upper
43	100		
86	12.7	0.0	16.9

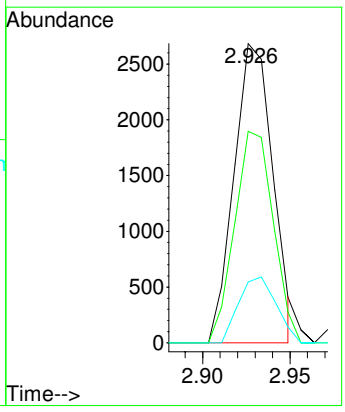


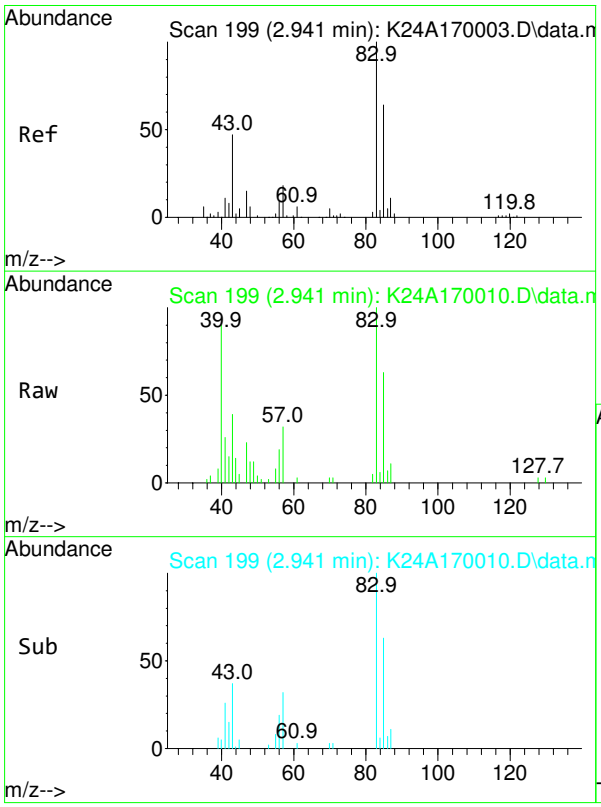


#25
HEXANE
Concen: 0.52 PPBV
RT: 2.926 min Scan# 197
Delta R.T. -0.004 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion: 41 Resp: 4139

Ion	Ratio	Lower	Upper
41	100		
56	70.5	46.2	86.2
86	21.3	10.7	30.7

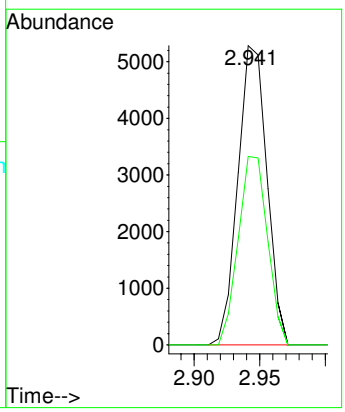


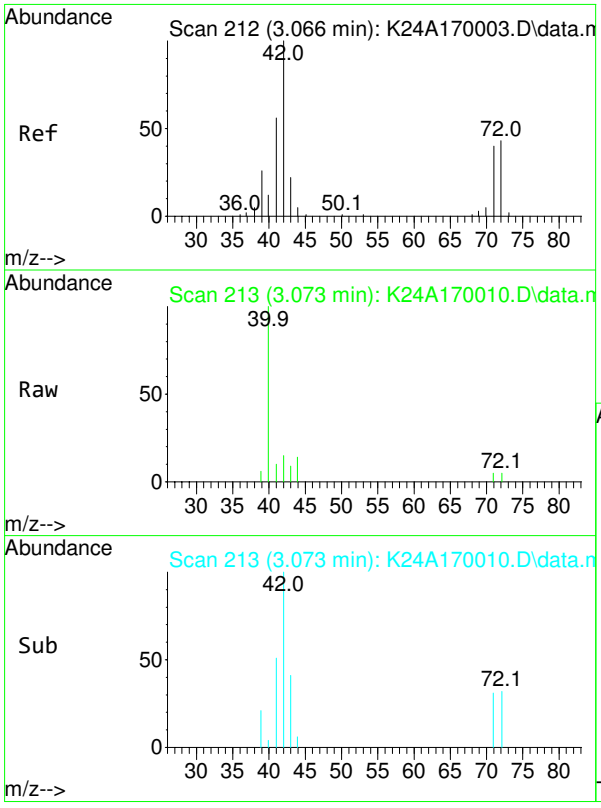


#27
CHLOROFORM
Concen: 0.55 PPBV
RT: 2.941 min Scan# 199
Delta R.T. -0.004 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion: 83 Resp: 8146

Ion	Ratio	Lower	Upper
83	100		
85	63.4	43.6	83.6

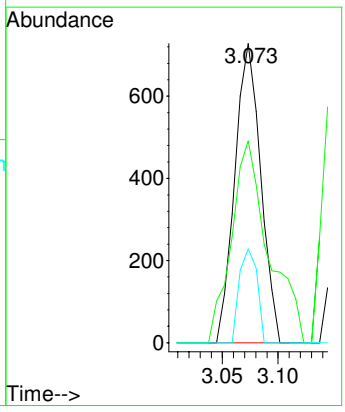


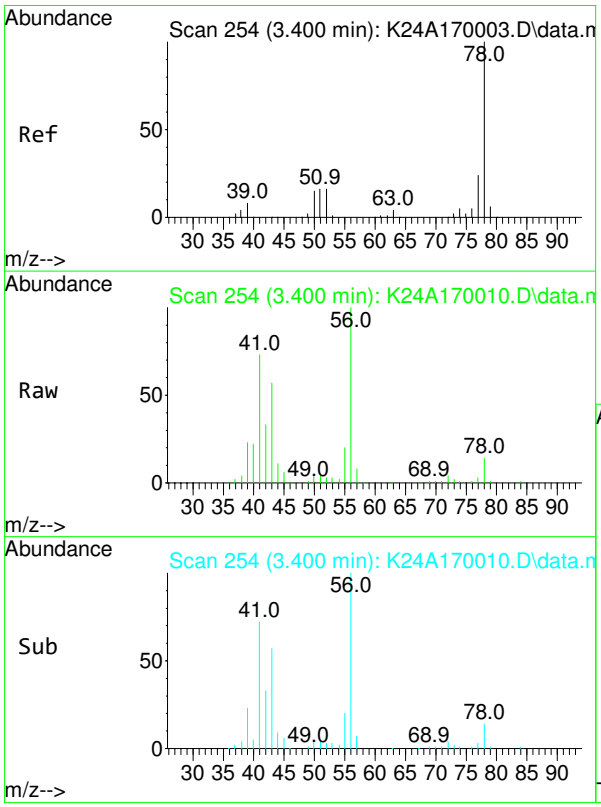


#28
TETRAHYDROFURAN
Concen: 0.20 PPBV
RT: 3.073 min Scan# 213
Delta R.T. 0.004 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion: 42 Resp: 1175

Ion	Ratio	Lower	Upper
42	100		
41	96.5	36.2	76.2#
71	21.4	16.1	56.1

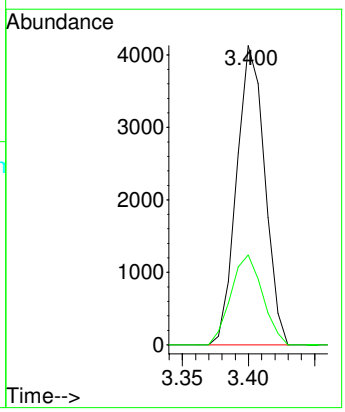


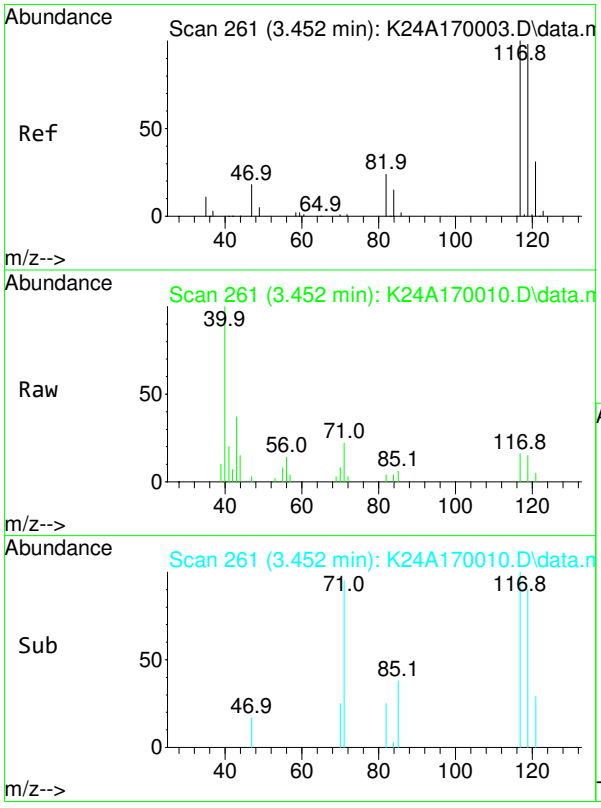


#32
BENZENE
Concen: 0.28 PPBV
RT: 3.400 min Scan# 254
Delta R.T. -0.003 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion: 78 Resp: 6105

Ion	Ratio	Lower	Upper
78	100		
51	33.7	0.0	39.1

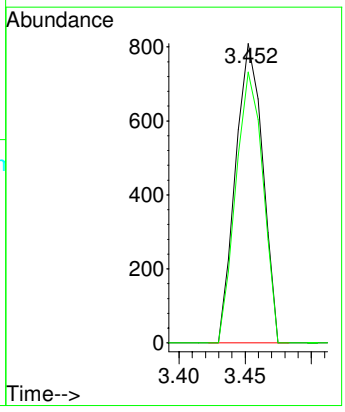


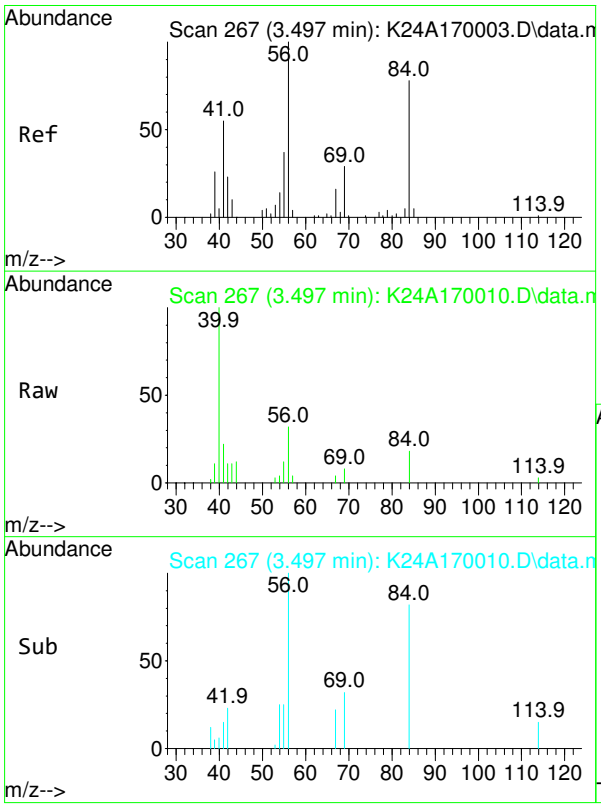


#33
CARBON TETRACHLORIDE
Concen: 0.08 PPBV
RT: 3.452 min Scan# 261
Delta R.T. 0.001 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion:117 Resp: 1155

Ion	Ratio	Lower	Upper
117	100		
119	90.2	75.9	115.9

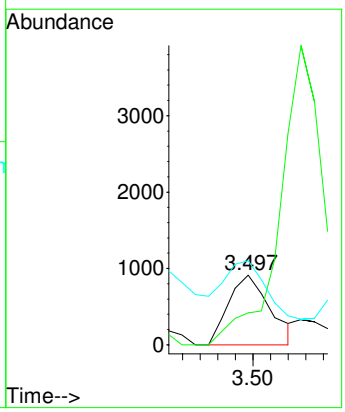


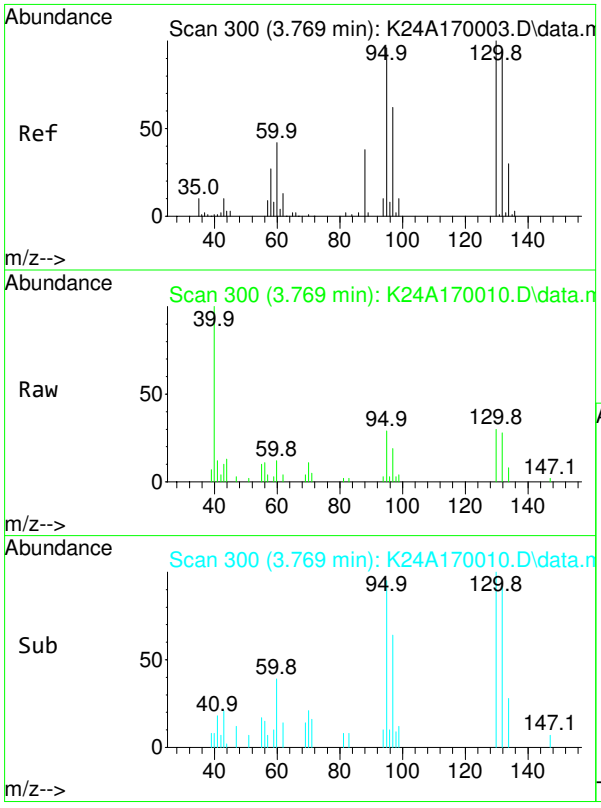


#34
CYCLOHEXANE
Concen: 0.16 PPBV
RT: 3.497 min Scan# 267
Delta R.T. -0.002 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion: 84 Resp: 1485

Ion	Ratio	Lower	Upper
84	100		
69	0.0	17.9	57.9#
41	83.3	57.0	97.0

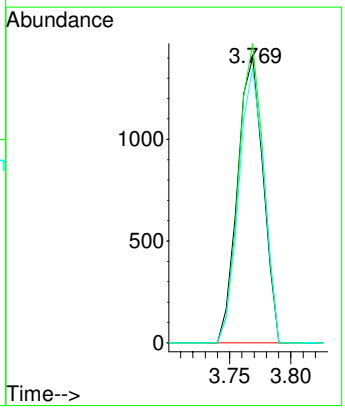


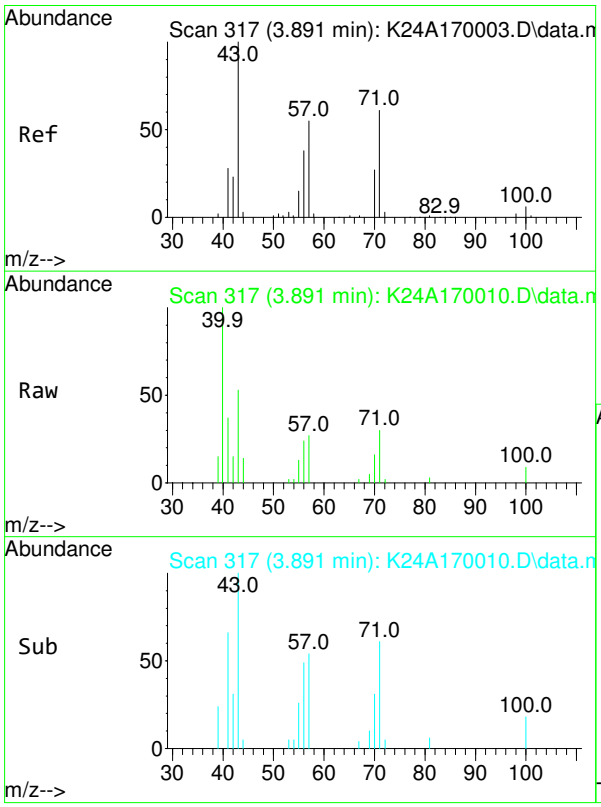


#37
TRICHLOROETHENE
Concen: 0.20 PPBV
RT: 3.769 min Scan# 300
Delta R.T. 0.002 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion: 95 Resp: 2038

Ion	Ratio	Lower	Upper
95	100		
130	101.6	65.4	105.4
132	95.1	61.7	101.7

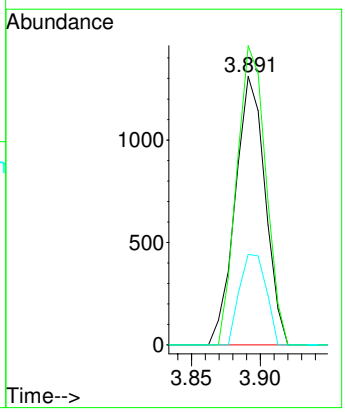


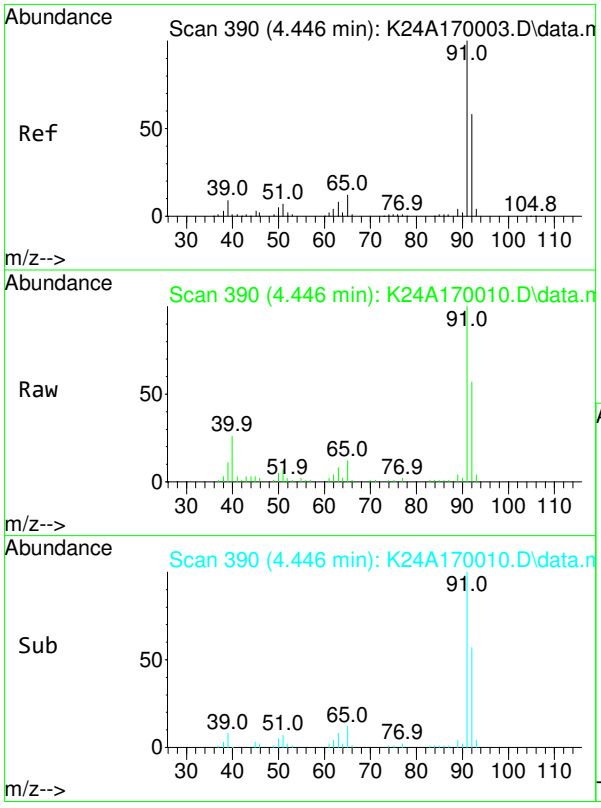


#40
HEPTANE
Concen: 0.25 PPBV
RT: 3.891 min Scan# 317
Delta R.T. -0.004 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion: 57 Resp: 1980

Ion	Ratio	Lower	Upper
57	100		
71	108.0	86.0	126.0
100	29.9	8.8	48.8

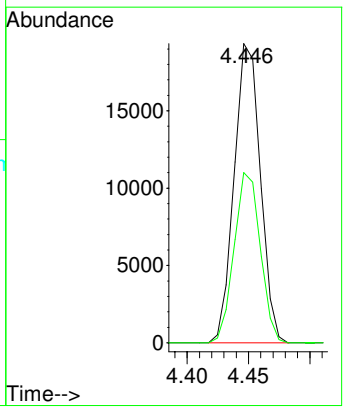


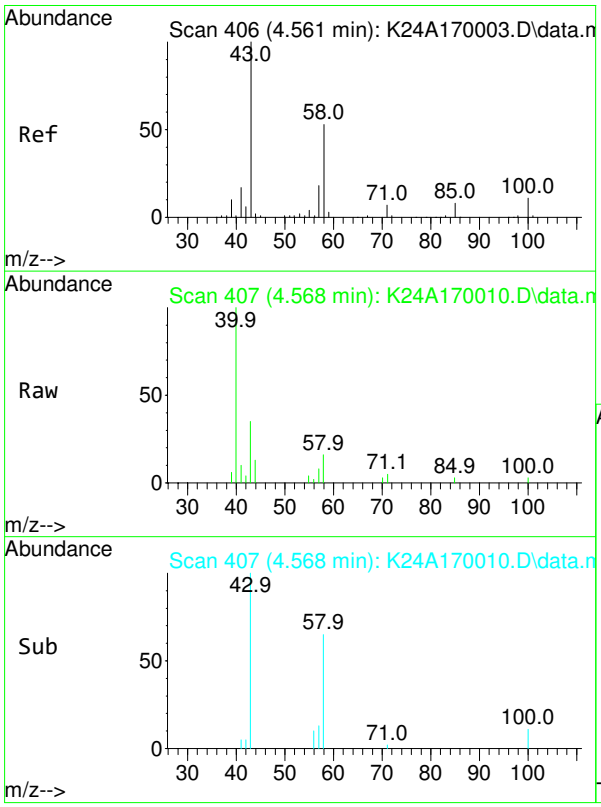


#46
TOLUENE
Concen: 1.08 PPBV
RT: 4.446 min Scan# 390
Delta R.T. -0.005 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion: 91 Resp: 28844

Ion	Ratio	Lower	Upper
91	100		
92	56.8	39.3	79.3

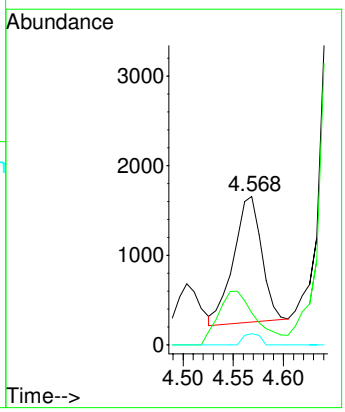


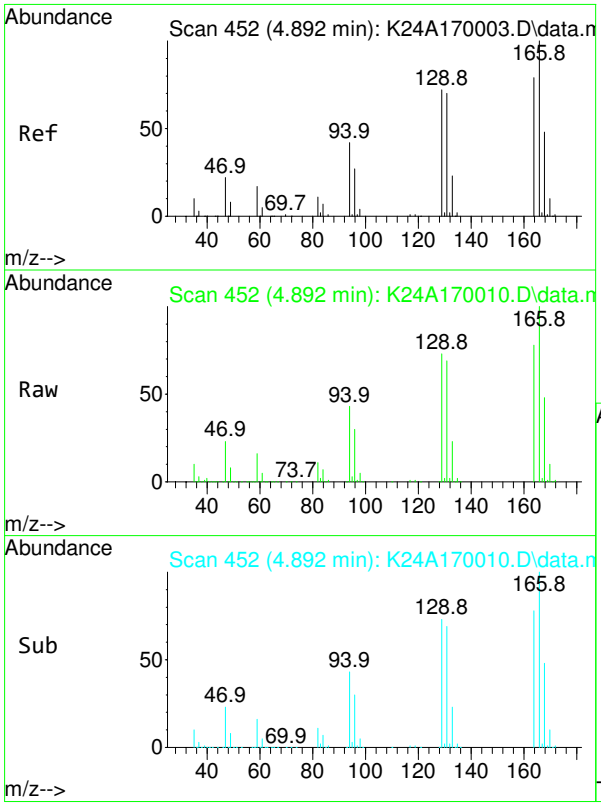


#47
2-HEXANONE(MBK)
Concen: 0.18 PPBV
RT: 4.568 min Scan# 407
Delta R.T. 0.004 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion: 43 Resp: 2745

Ion	Ratio	Lower	Upper
43	100		
57	58.5	0.0	37.8#
100	5.3	0.0	19.0

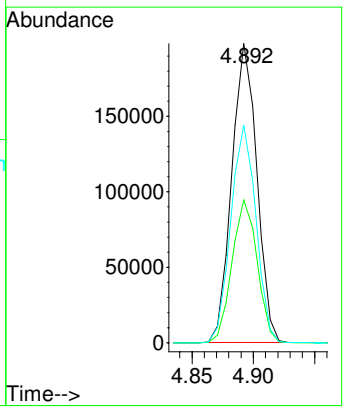


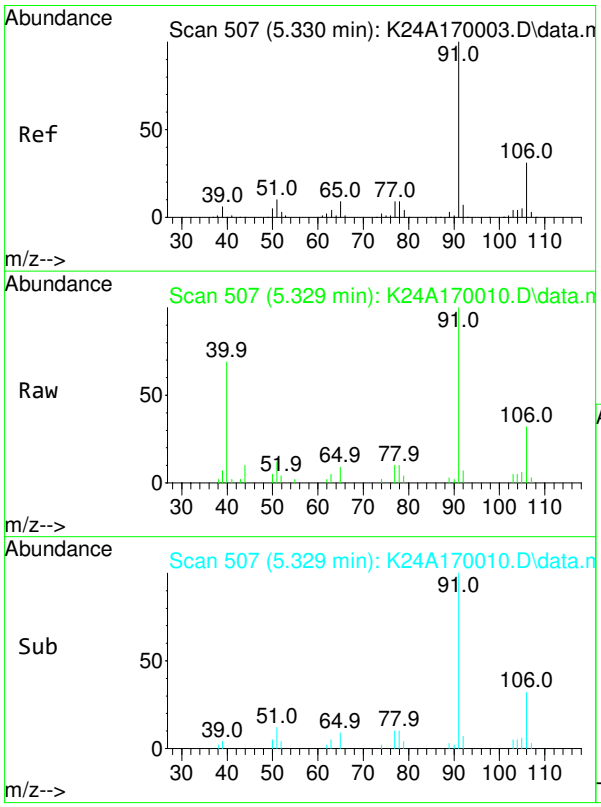


#50
TETRACHLOROETHENE
Concen: 25.66 PPBV
RT: 4.892 min Scan# 452
Delta R.T. 0.001 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion:166 Resp: 281927

Ion	Ratio	Lower	Upper
166	100		
168	47.8	27.6	67.6
129	72.7	63.9	103.9

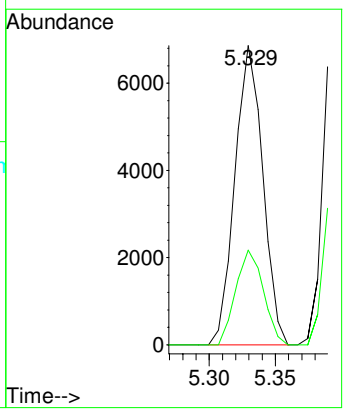


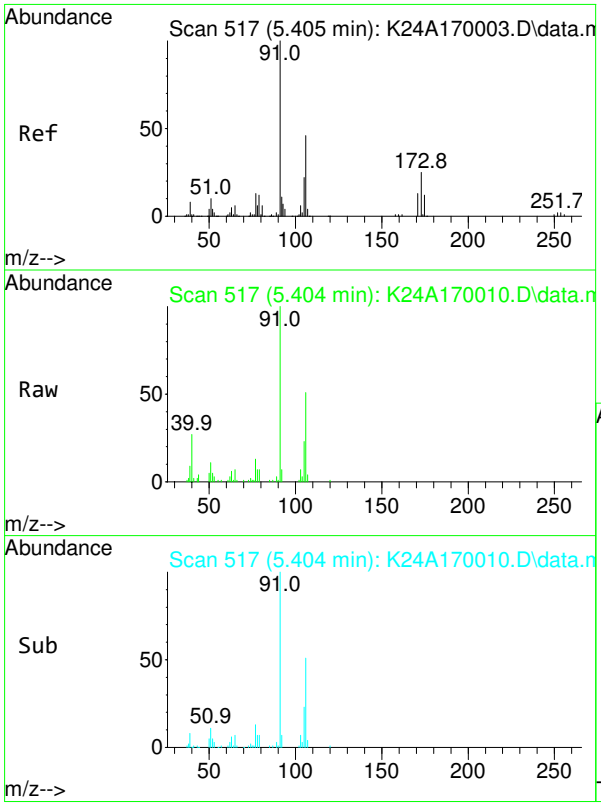


#52
ETHYLBENZENE
Concen: 0.30 PPBV
RT: 5.329 min Scan# 507
Delta R.T. -0.001 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion: 91 Resp: 10067

Ion	Ratio	Lower	Upper
91	100		
106	31.3	8.7	48.7

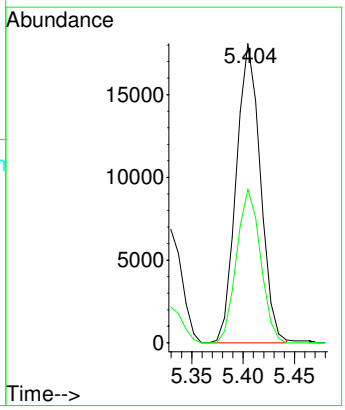


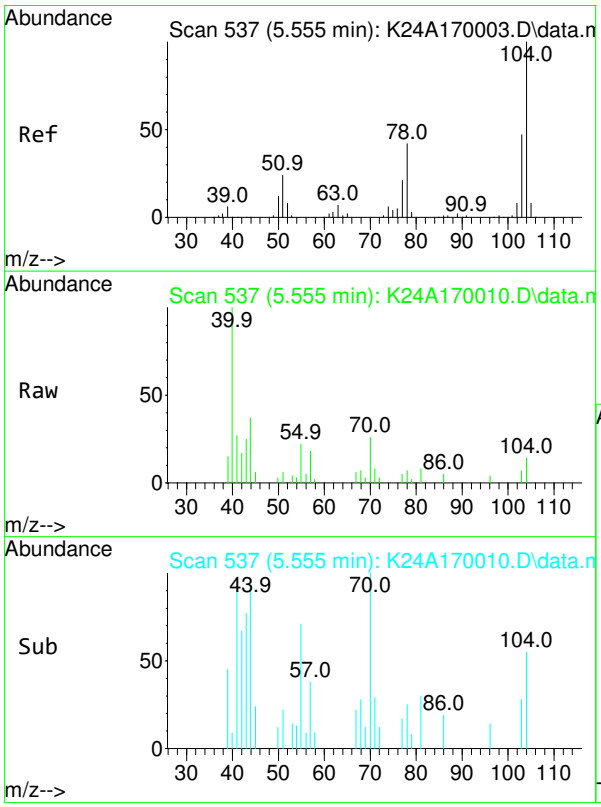


#53
M/P-XYLENE
Concen: 1.09 PPBV m
RT: 5.404 min Scan# 517
Delta R.T. -0.005 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion: 91 Resp: 29417

Ion	Ratio	Lower	Upper
91	100		
106	49.7	24.2	64.2

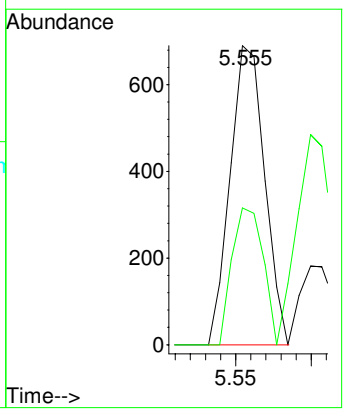


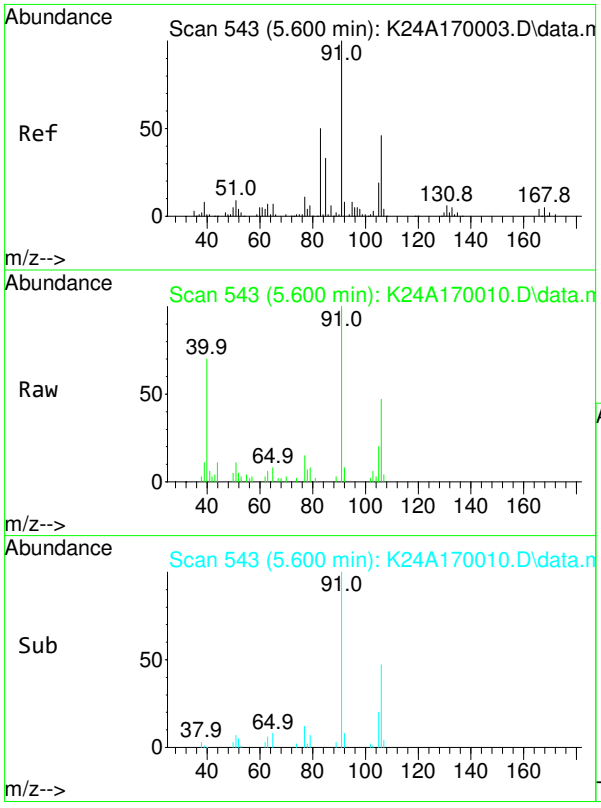


#55
STYRENE
Concen: 0.06 PPBV
RT: 5.555 min Scan# 537
Delta R.T. -0.003 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion:104 Resp: 1093

Ion	Ratio	Lower	Upper
104	100		
78	41.2	27.9	67.9

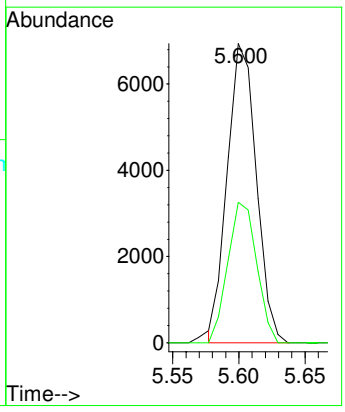


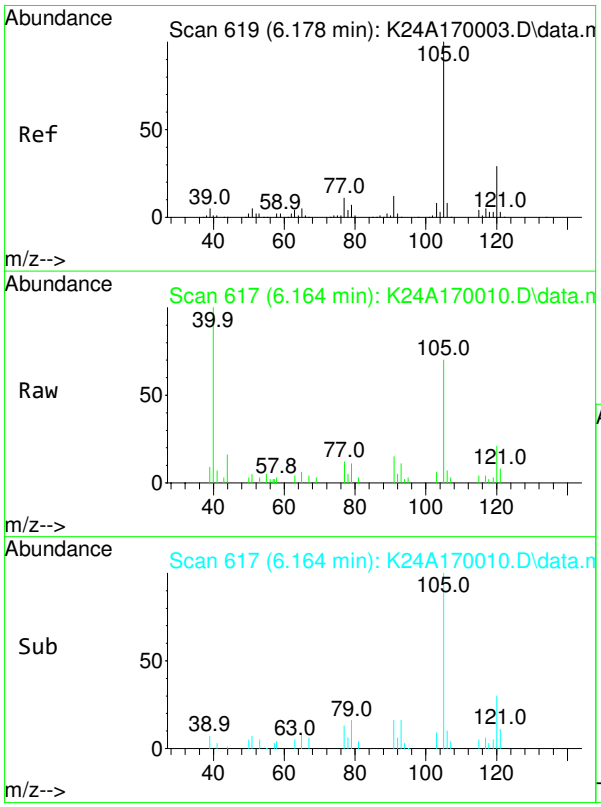


#56
O-XYLENE
Concen: 0.41 PPBV
RT: 5.600 min Scan# 543
Delta R.T. -0.006 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion: 91 Resp: 10605

Ion	Ratio	Lower	Upper
91	100		
106	46.7	23.5	63.5

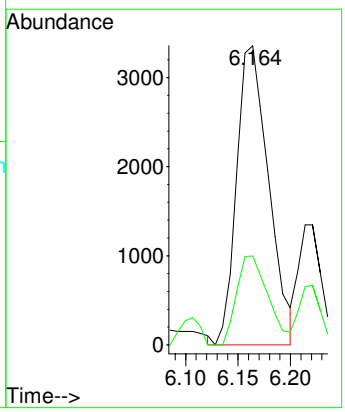


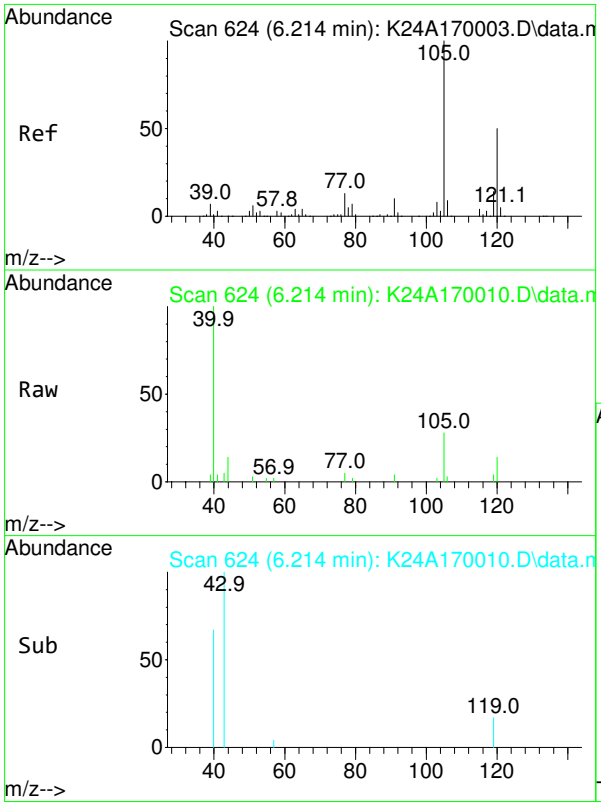


#59
4-ETHYLTOLUENE
Concen: 0.21 PPBV m
RT: 6.164 min Scan# 617
Delta R.T. -0.017 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion:105 Resp: 7113

Ion	Ratio	Lower	Upper
105	100		
120	18.1	7.3	47.3

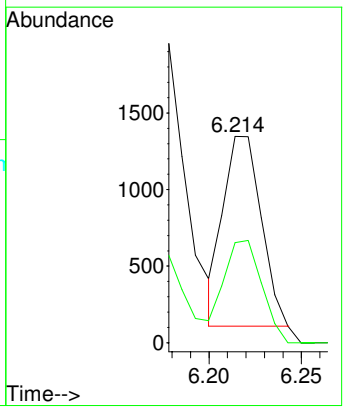


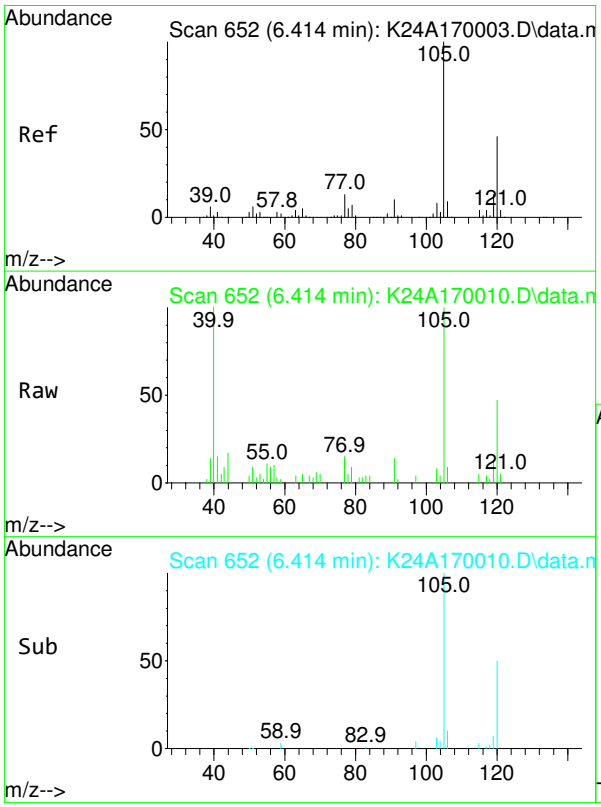


#60
1,3,5-TRIMETHYLBENZENE
Concen: 0.07 PPBV
RT: 6.214 min Scan# 624
Delta R.T. -0.003 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion:105 Resp: 1764

Ion	Ratio	Lower	Upper
105	100		
120	53.7	26.9	66.9

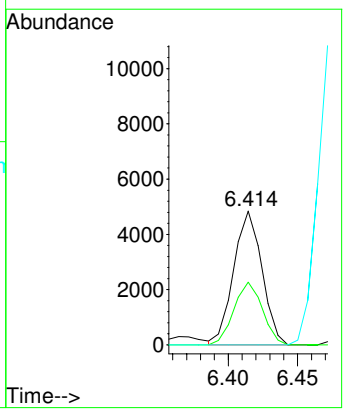


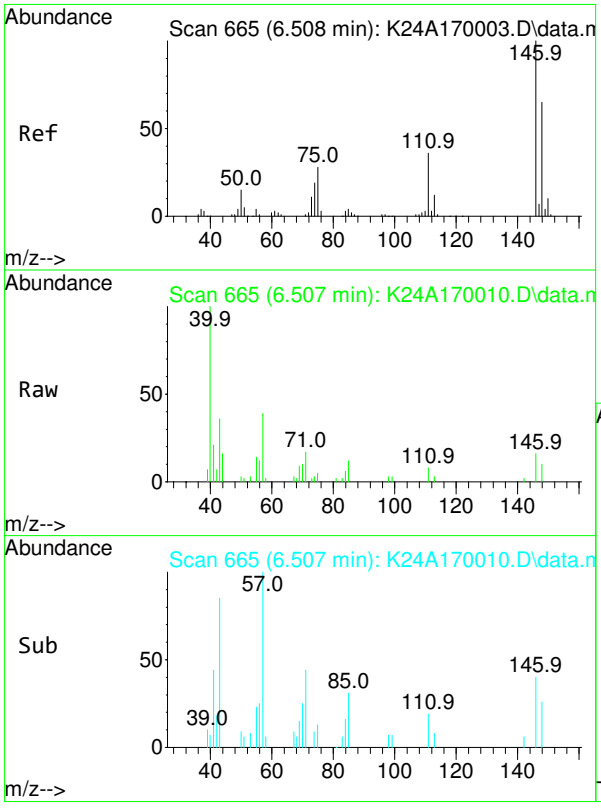


#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.26 PPBV
RT: 6.414 min Scan# 652
Delta R.T. -0.002 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion:105 Resp: 6881

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.6	63.6
281	0.0	0.0	20.0

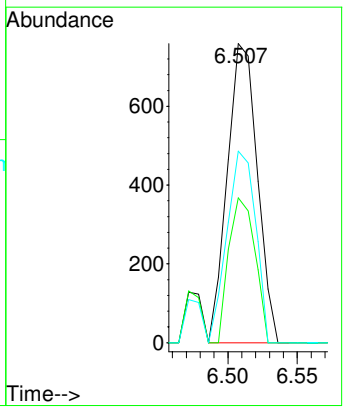


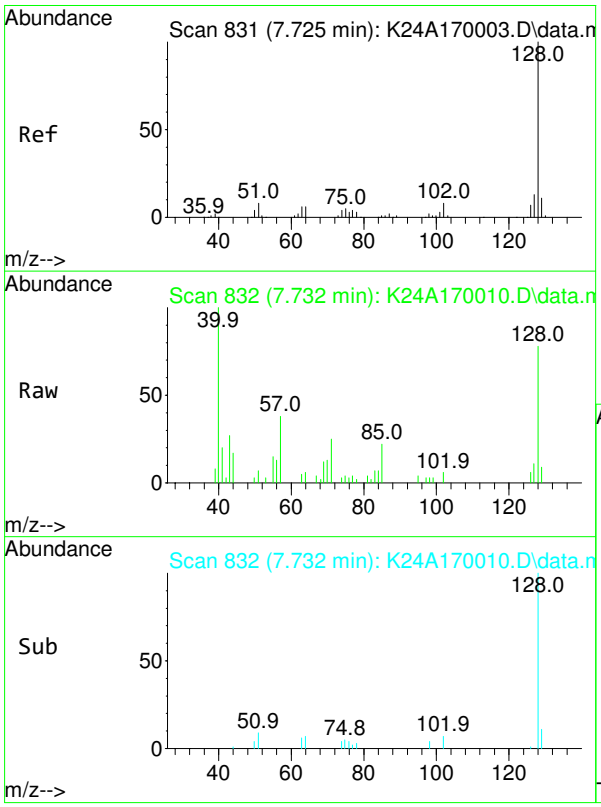


#64
1,4-DICHLOROBENZENE
Concen: 0.08 PPBV
RT: 6.507 min Scan# 665
Delta R.T. -0.001 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion:146 Resp: 1143

Ion	Ratio	Lower	Upper
146	100		
111	42.3	24.6	64.6
148	61.0	43.6	83.6

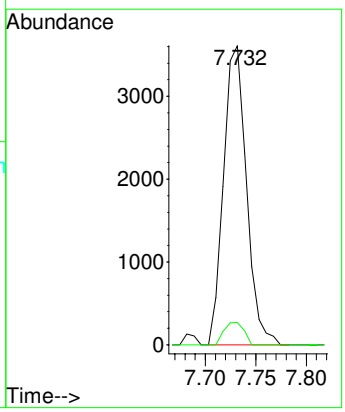


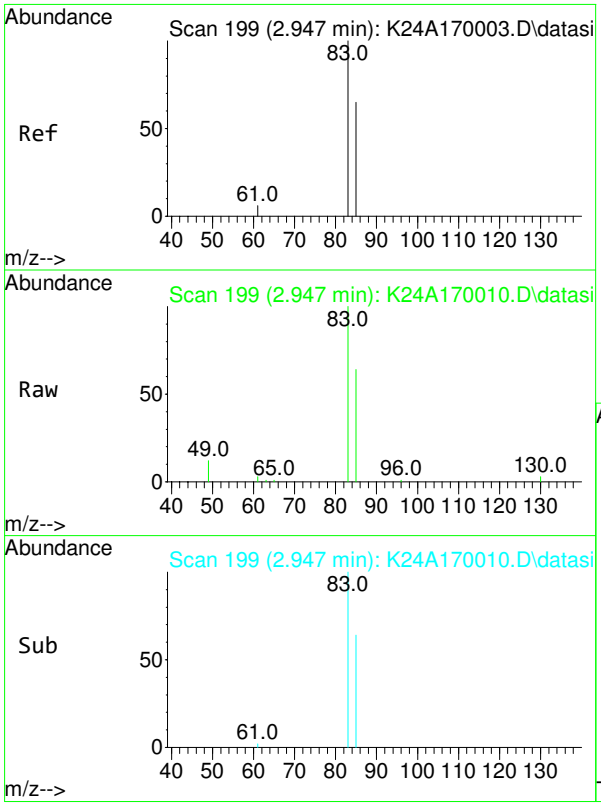


#67
NAPHTHALENE
Concen: 0.30 PPBV
RT: 7.732 min Scan# 832
Delta R.T. 0.004 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion:128 Resp: 5715

Ion	Ratio	Lower	Upper
128	100		
102	6.5	7.4	11.2#

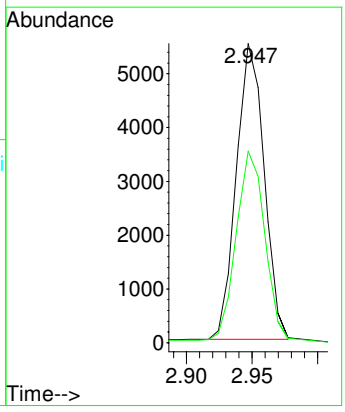


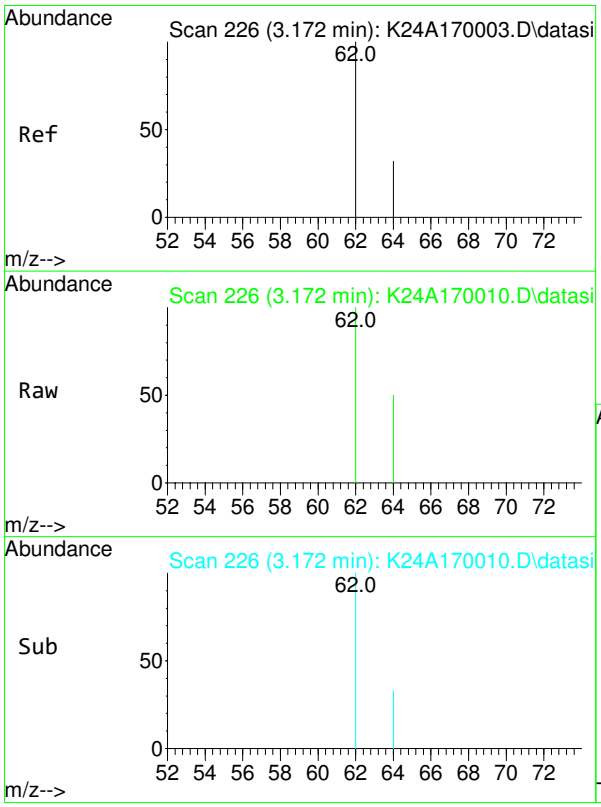


#75
CHLOROFORM (SIM)
Concen: 0.57 PPBV
RT: 2.947 min Scan# 199
Delta R.T. 0.004 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion: 83 Resp: 8100

Ion	Ratio	Lower	Upper
83	100		
85	65.2	43.9	83.9

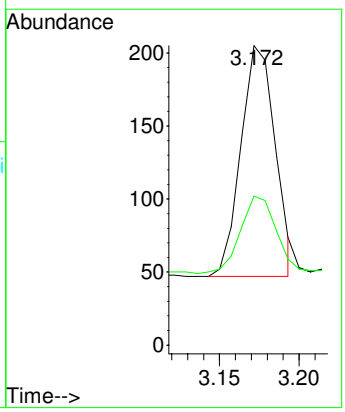


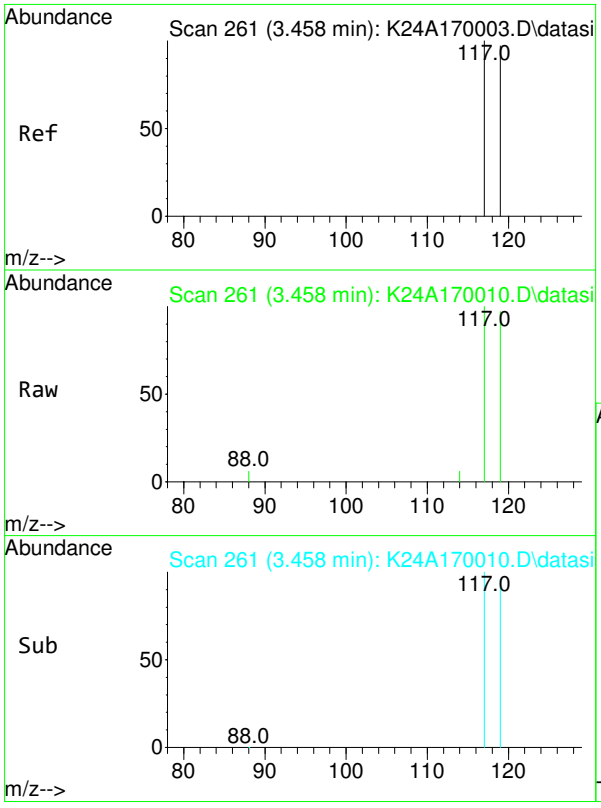


#76
1,2-DICHLOROETHANE (SIM)
Concen: 0.02 PPBV
RT: 3.172 min Scan# 226
Delta R.T. 0.003 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion: 62 Resp: 237

Ion	Ratio	Lower	Upper
62	100		
64	34.6	12.1	52.1

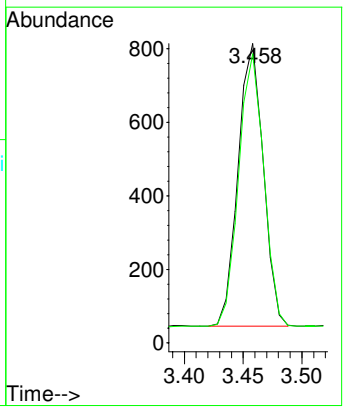


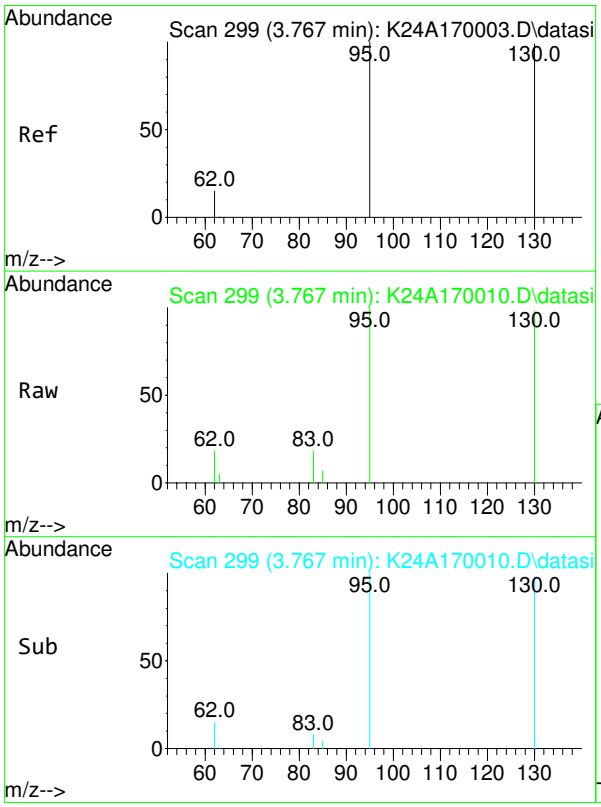


#78
CARBON TETRACHLORIDE (SIM)
Concen: 0.07 PPBV
RT: 3.458 min Scan# 261
Delta R.T. 0.004 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion:117 Resp: 1146

Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.8	115.8

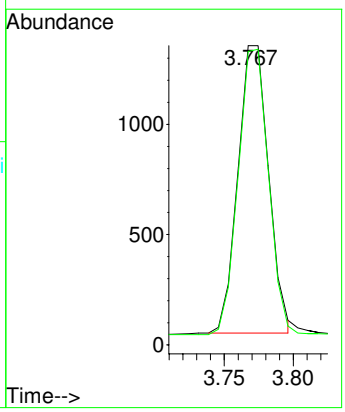


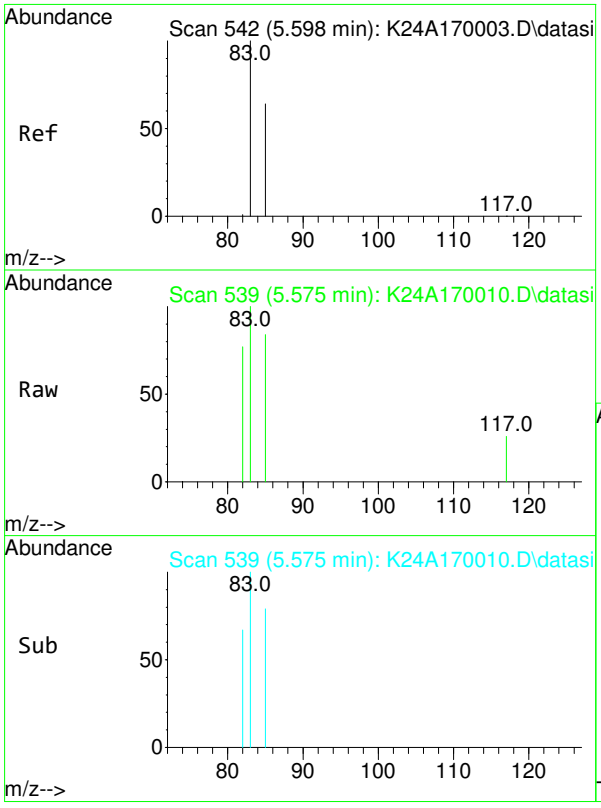


#81
TRICHLOROETHENE (SIM)
Concen: 0.18 PPBV
RT: 3.767 min Scan# 299
Delta R.T. -0.003 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion: 95 Resp: 2021

Ion	Ratio	Lower	Upper
95	100		
130	98.0	66.1	106.1

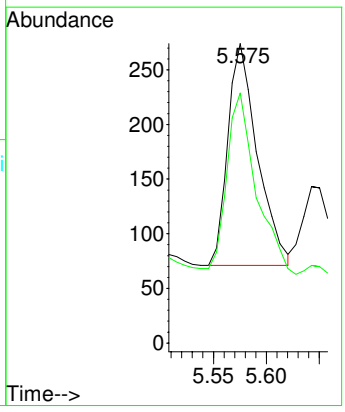


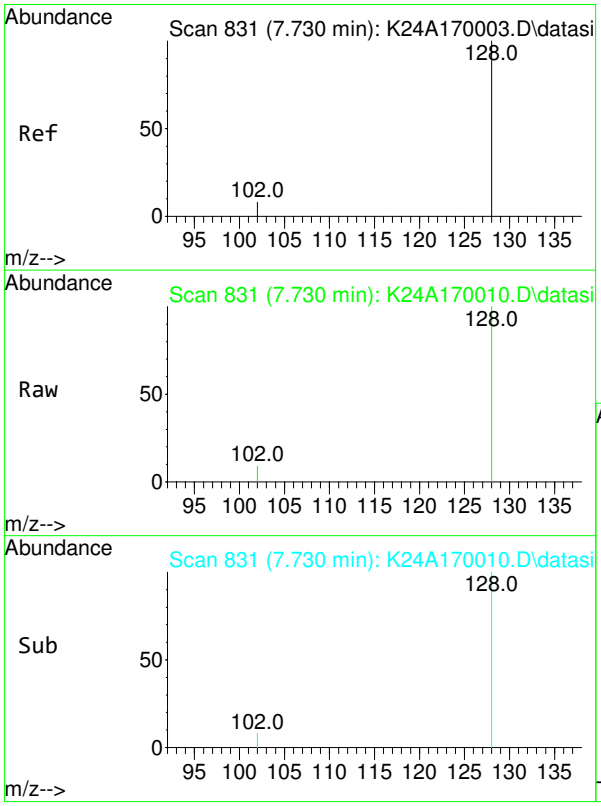


#87
1,1,2,2-TETRACHLOROETHANE (SIM)
Concen: 0.02 PPBV
RT: 5.575 min Scan# 539
Delta R.T. -0.023 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion: 83 Resp: 394

Ion	Ratio	Lower	Upper
83	100		
85	81.5	43.4	83.4

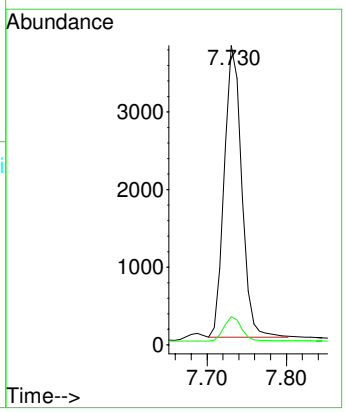




#89
NAPHTHALENE (SIM)
Concen: 0.27 PPBV
RT: 7.730 min Scan# 831
Delta R.T. -0.001 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion:128 Resp: 5739

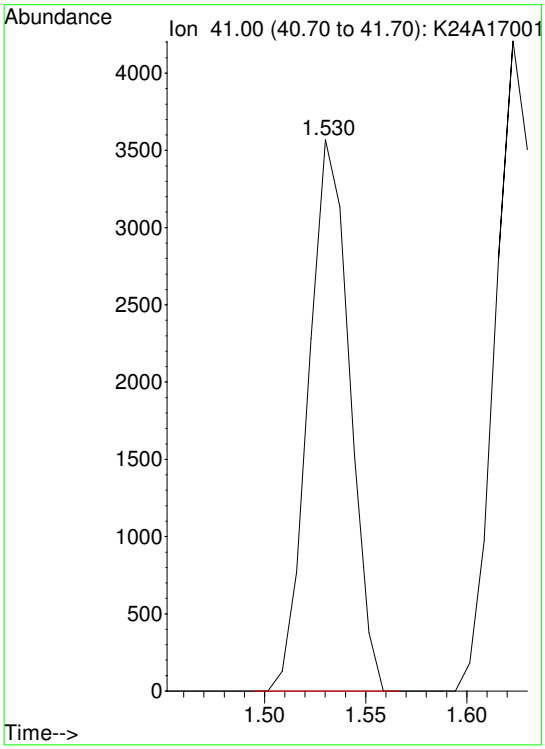
Ion	Ratio	Lower	Upper
128	100		
102	8.5	0.0	29.2



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170010.D
Acq On : 18 Jun 2024 02:50 pm
Operator : CMR
Sample : 24F1161-01 0.8X
Misc : 2,1,200,500,0.8X

Quant Time : Wed Jun 19 11:11:10 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
PROPENE



Original Int. Results

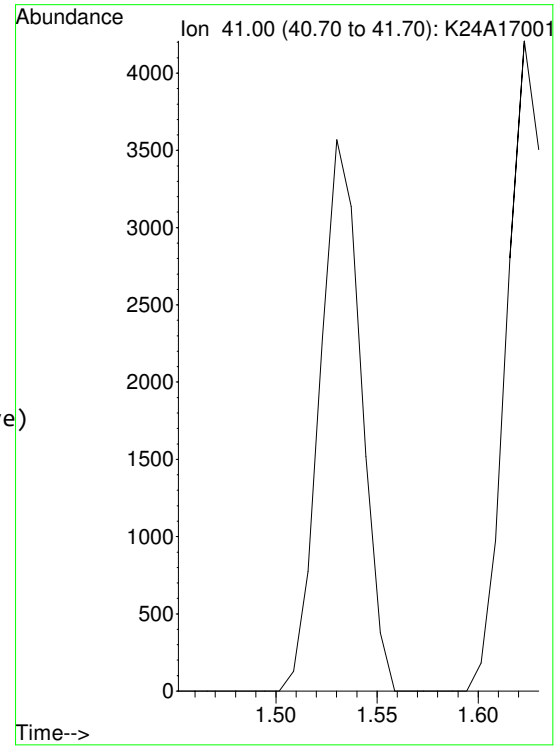
RT : 1.53
Area : 5040
Amount: 1.2864

Manual Int. Results

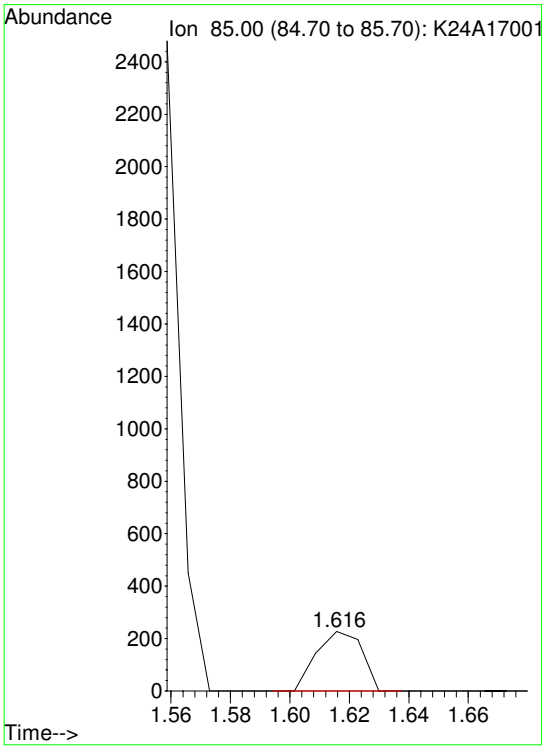
Wed Jun 19 11:08:50 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
FREON 114



Original Int. Results

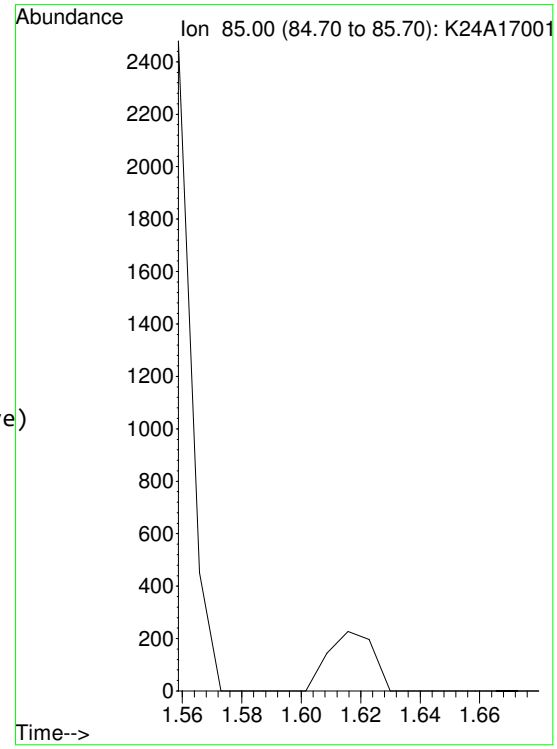
RT : 1.62
Area : 242
Amount: 0.0138967

Manual Int. Results

Wed Jun 19 11:08:58 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

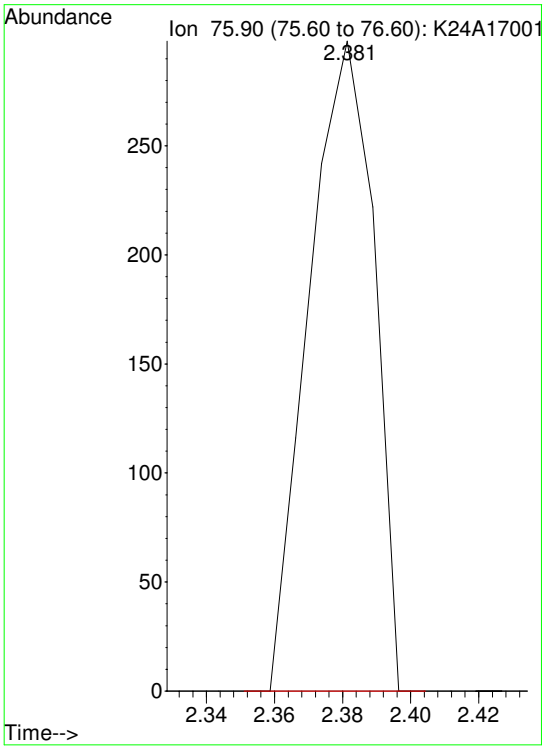
Manual Integration
FREON 114



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170010.D
Acq On : 18 Jun 2024 02:50 pm
Operator : CMR
Sample : 24F1161-01 0.8X
Misc : 2,1,200,500,0.8X

Quant Time : Wed Jun 19 11:11:10 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
CARBON DISULFIDE



Original Int. Results

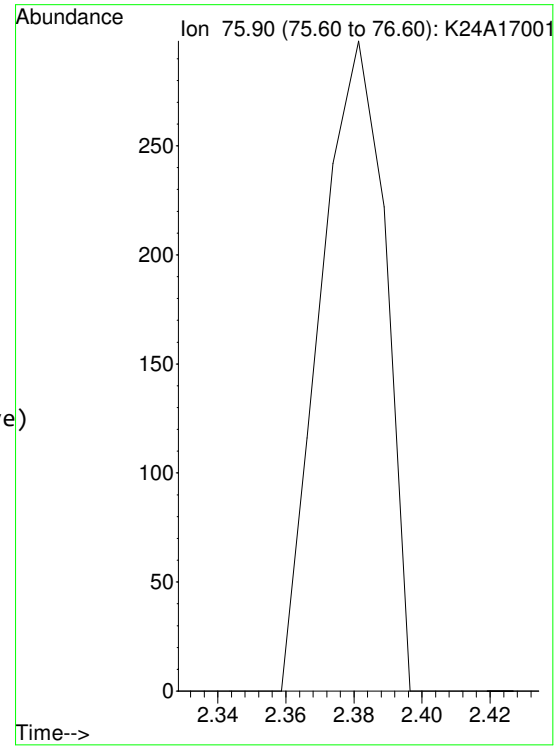
RT : 2.38
Area : 399
Amount: 0.0218072

Manual Int. Results

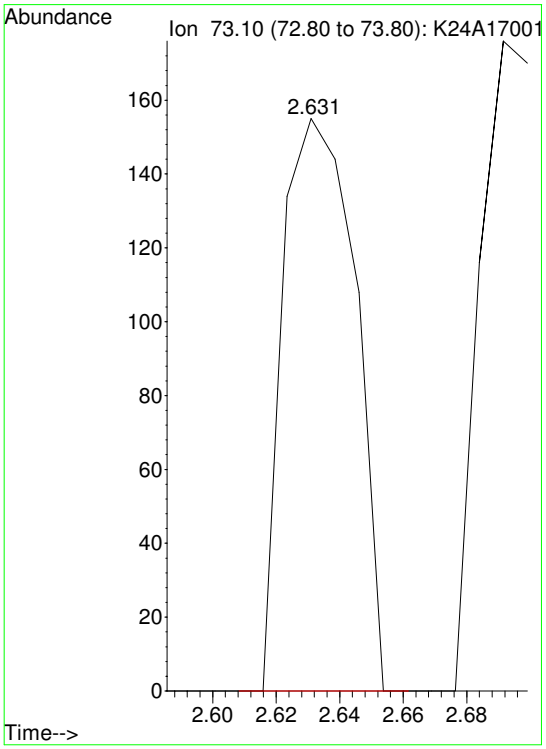
Wed Jun 19 11:09:08 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON DISULFIDE



Original Integration
MTBE



Original Int. Results

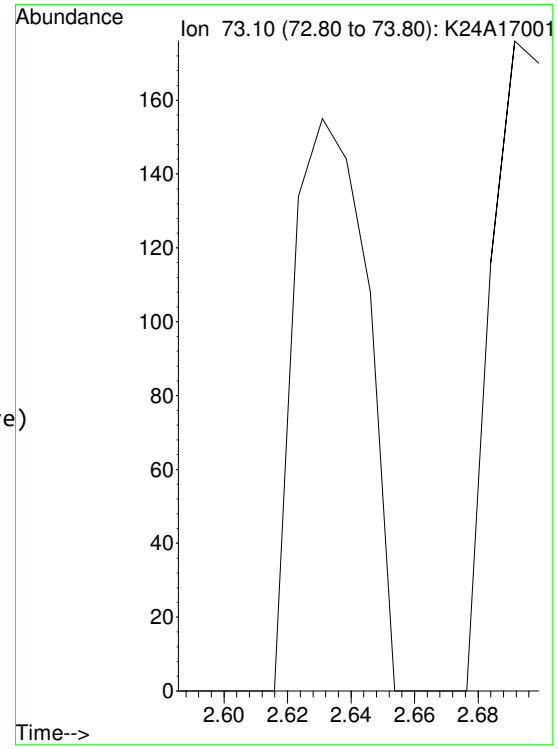
RT : 2.63
Area : 246
Amount: 0.013352

Manual Int. Results

Wed Jun 19 11:09:10 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

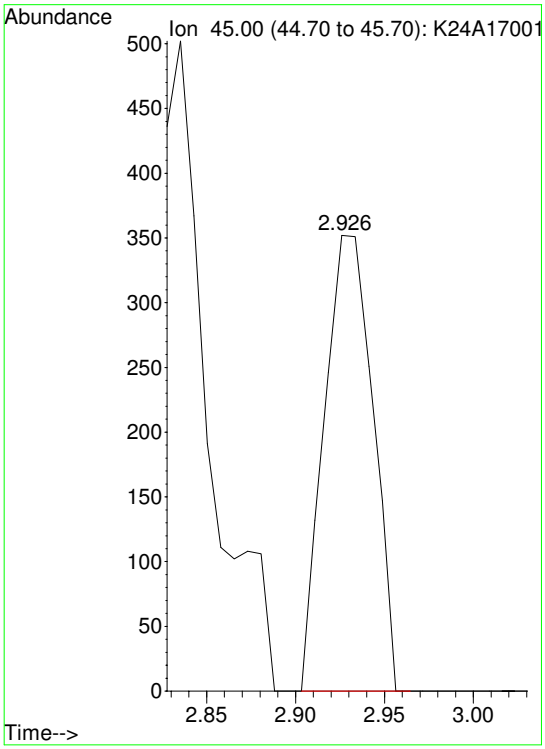
Manual Integration
MTBE



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170010.D
Acq On : 18 Jun 2024 02:50 pm
Operator : CMR
Sample : 24F1161-01 0.8X
Misc : 2,1,200,500,0.8X

Quant Time : Wed Jun 19 11:11:10 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
ETHYL ACETATE



Original Int. Results

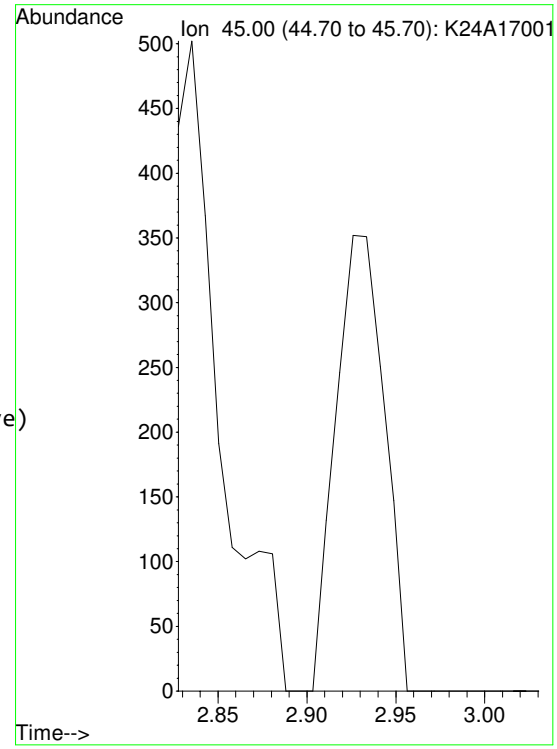
RT : 2.93
Area : 671
Amount: 0.331974

Manual Int. Results

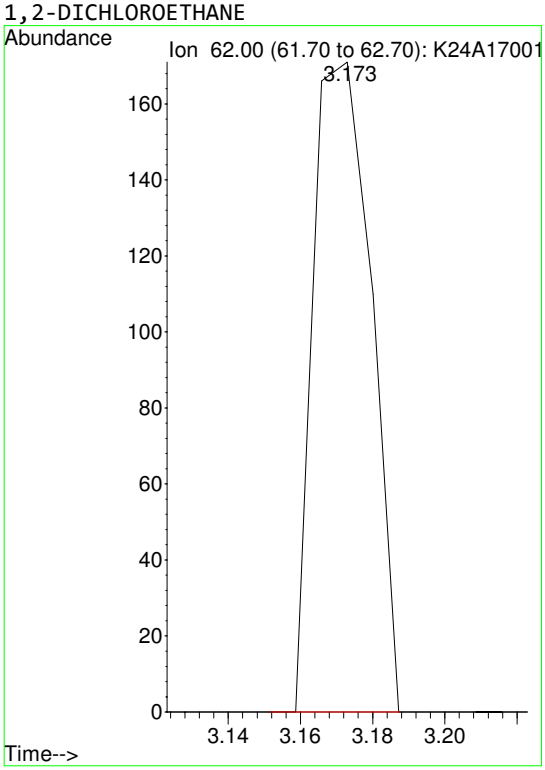
Wed Jun 19 11:09:23 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHYL ACETATE



Original Integration
1,2-DICHLOROETHANE



Original Int. Results

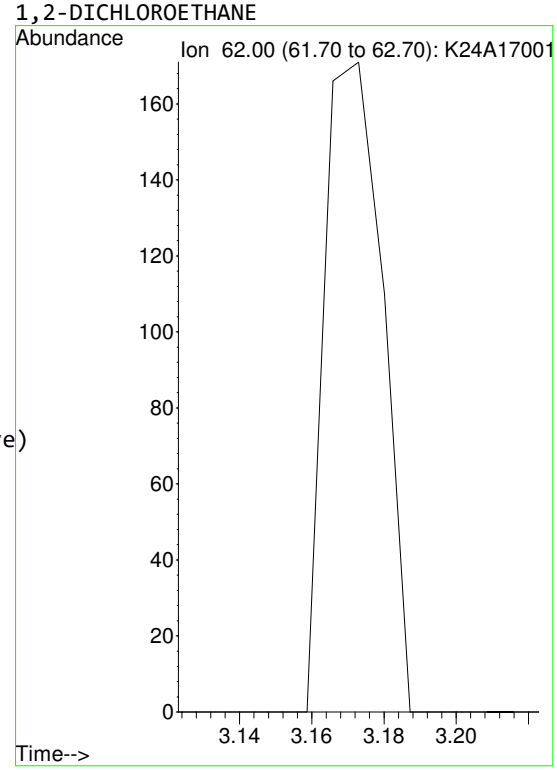
RT : 3.17
Area : 191
Amount: 0.0182288

Manual Int. Results

Wed Jun 19 11:09:27 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

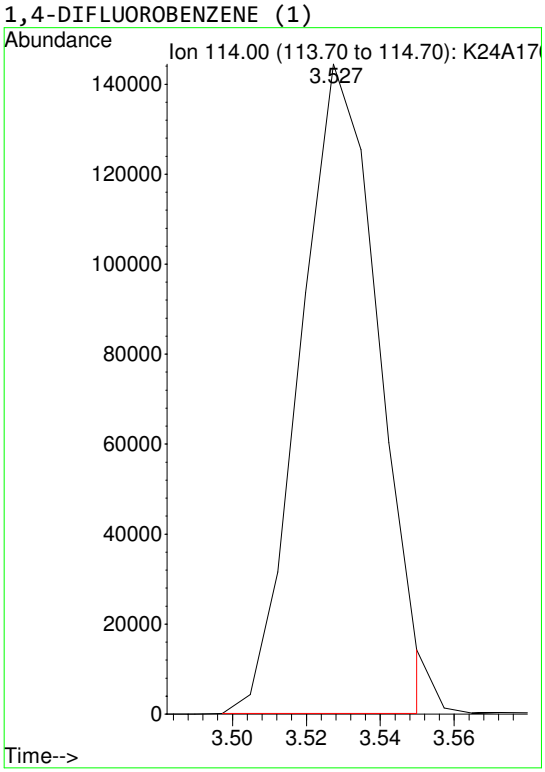
Manual Integration
1,2-DICHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170010.D
Acq On : 18 Jun 2024 02:50 pm
Operator : CMR
Sample : 24F1161-01 0.8X
Misc : 2,1,200,500,0.8X

Quant Time : Wed Jun 19 11:11:10 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
1,4-DIFLUOROBENZENE (1)



Original Int. Results

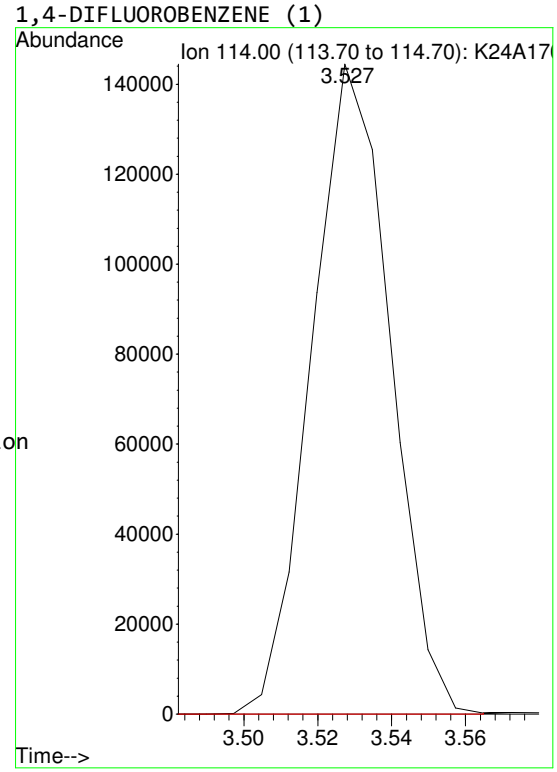
RT : 3.53
Area : 212996
Amount: 8

Manual Int. Results

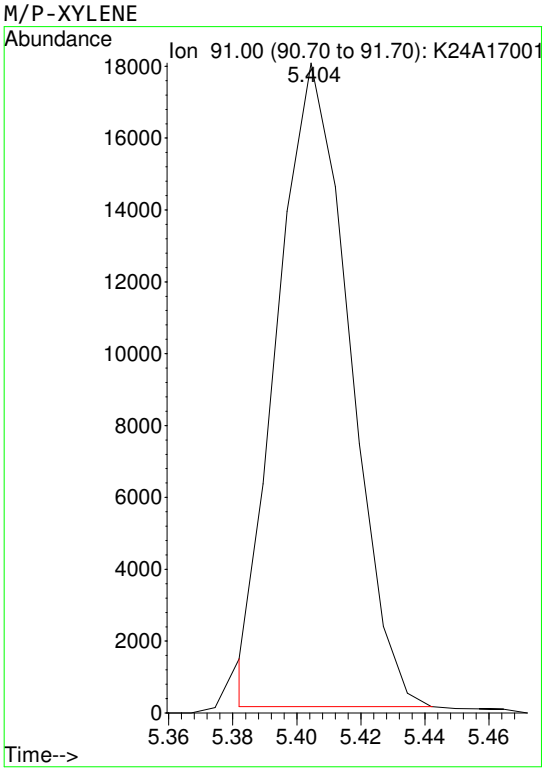
Wed Jun 19 11:09:34 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 3.53
Area : 214185
Amount: 8

Manual Integration
1,4-DIFLUOROBENZENE (1)



Original Integration
M/P-XYLENE



Original Int. Results

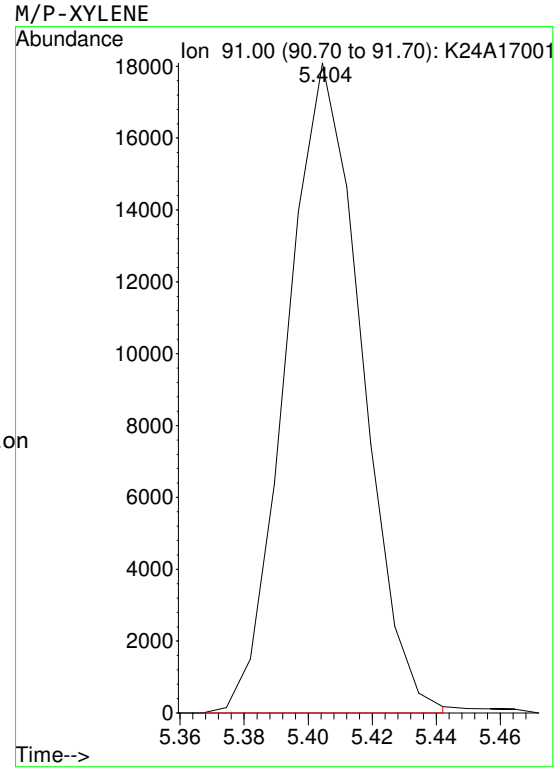
RT : 5.40
Area : 28038
Amount: 1.03642

Manual Int. Results

Wed Jun 19 11:10:37 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 5.40
Area : 29417
Amount: 1.0874

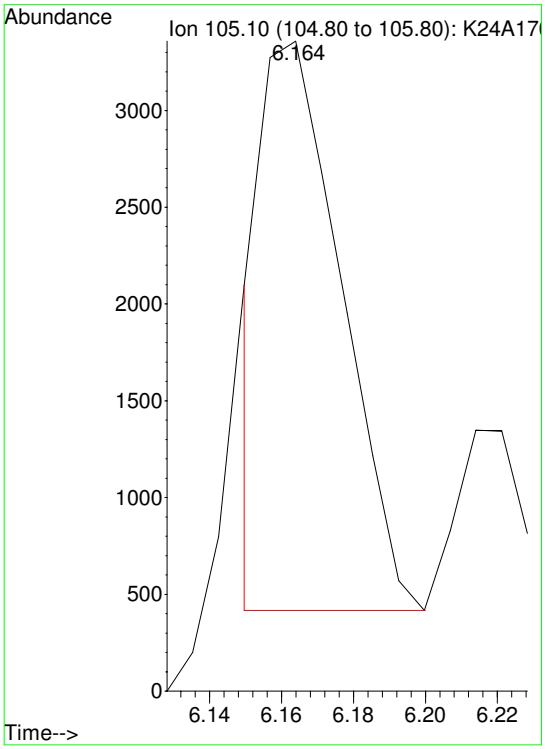
Manual Integration
M/P-XYLENE



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170010.D
Acq On : 18 Jun 2024 02:50 pm
Operator : CMR
Sample : 24F1161-01 0.8X
Misc : 2,1,200,500,0.8X

Quant Time : Wed Jun 19 11:11:10 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
4-ETHYLTOLUENE



Original Int. Results

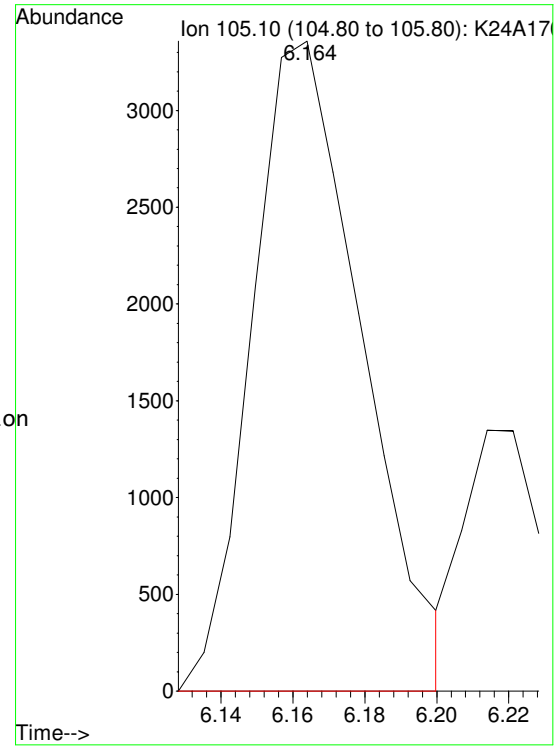
RT : 6.16
Area : 4531
Amount: 0.134559

Manual Int. Results

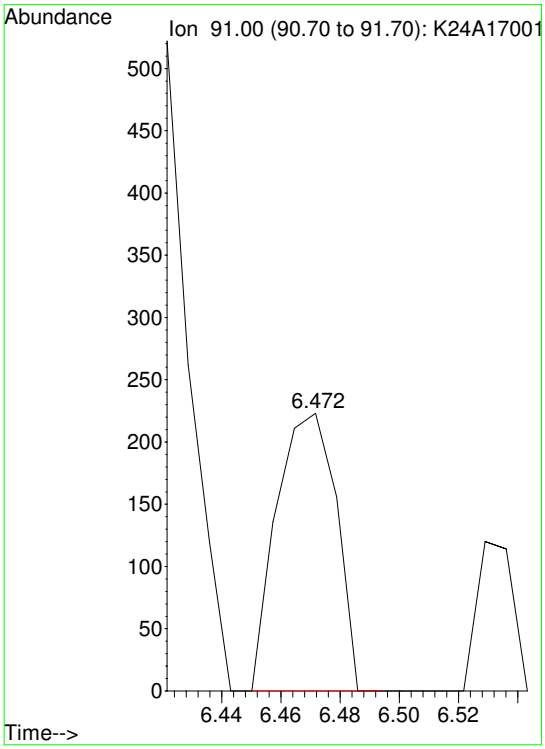
Wed Jun 19 11:10:44 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 6.16
Area : 7113
Amount: 0.211238

Manual Integration
4-ETHYLTOLUENE



Original Integration
BENZYL CHLORIDE



Original Int. Results

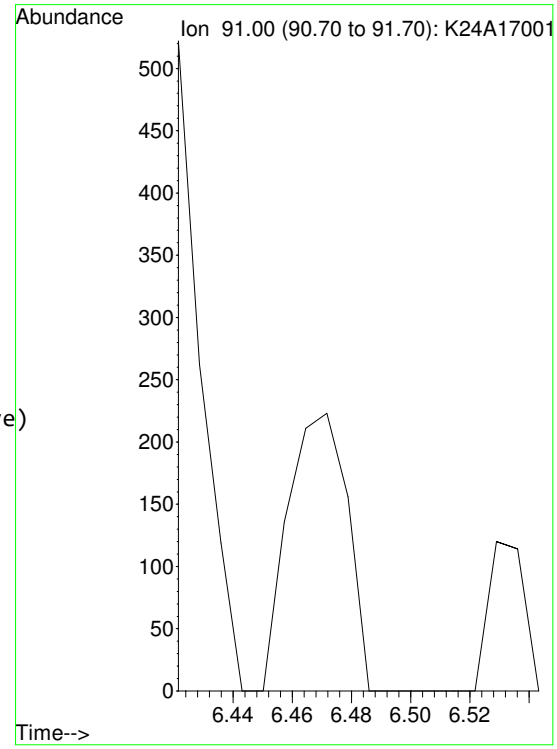
RT : 6.47
Area : 312
Amount: 0.0695033

Manual Int. Results

Wed Jun 19 11:10:52 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

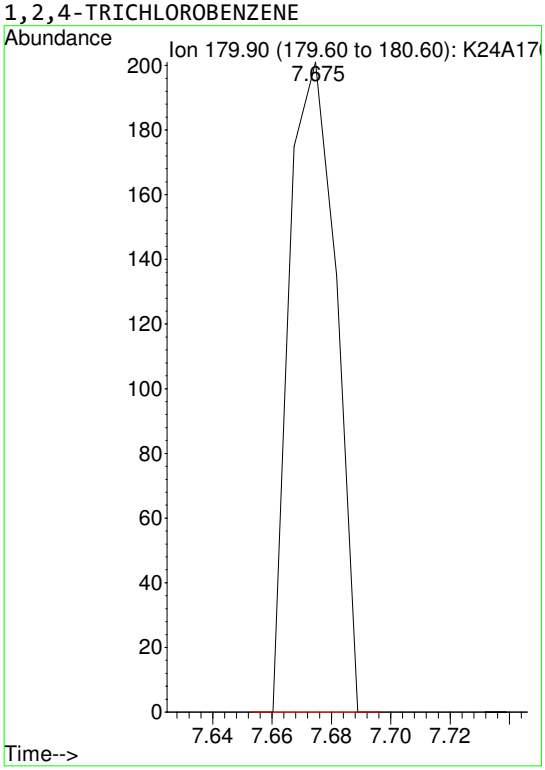
Manual Integration
BENZYL CHLORIDE



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170010.D
Acq On : 18 Jun 2024 02:50 pm
Operator : CMR
Sample : 24F1161-01 0.8X
Misc : 2,1,200,500,0.8X

Quant Time : Wed Jun 19 11:11:10 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
1,2,4-TRICHLOROBENZENE



Original Int. Results

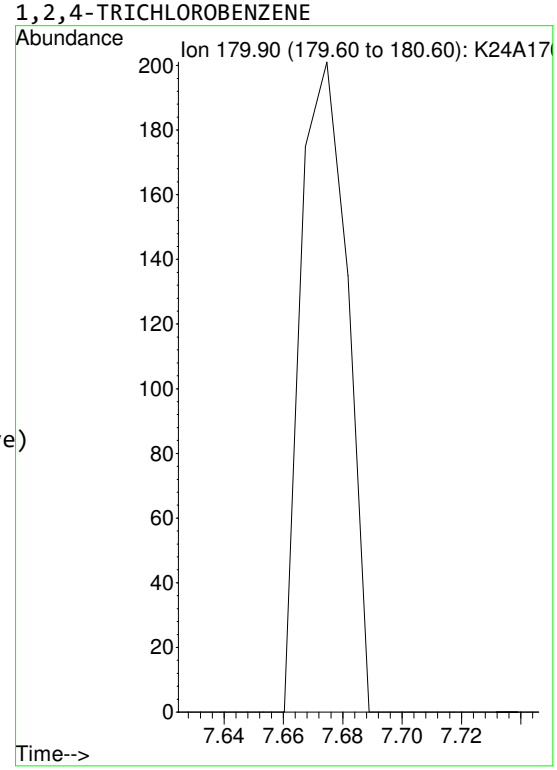
RT : 7.67
Area : 219
Amount: 0.0278505

Manual Int. Results

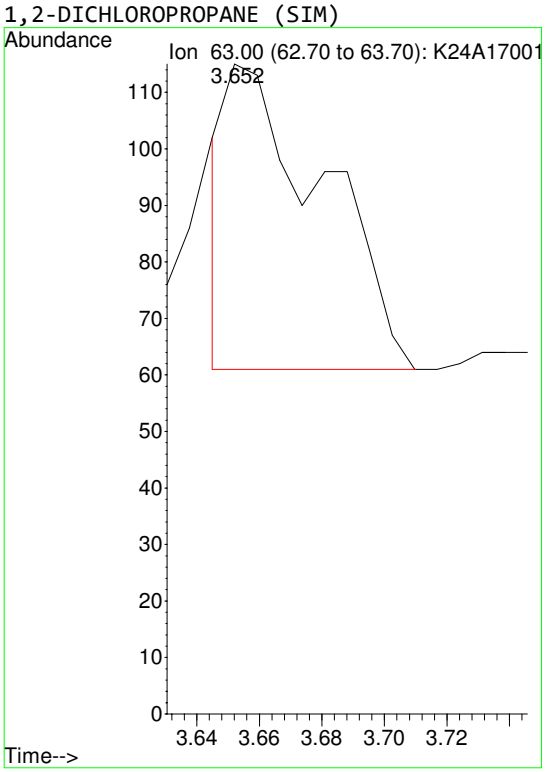
Wed Jun 19 11:11:00 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,2,4-TRICHLOROBENZENE



Original Integration
1,2-DICHLOROPROPANE (SIM)



Original Int. Results

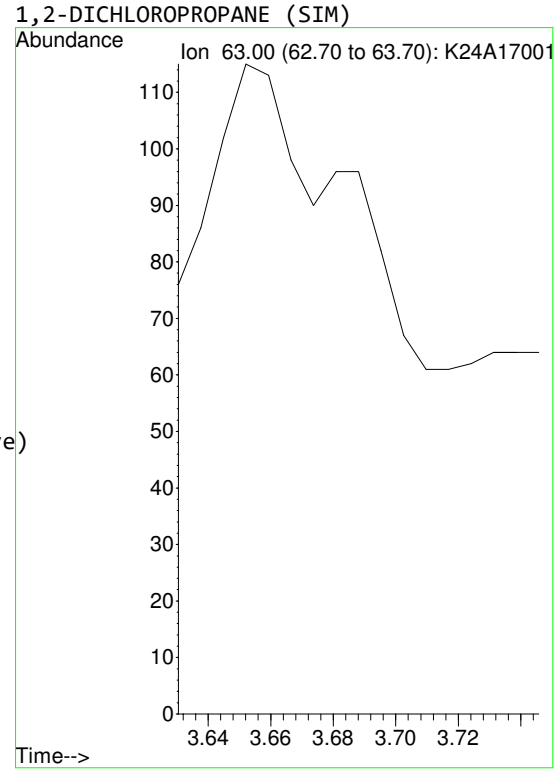
RT : 3.65
Area : 116
Amount: 0.0110461

Manual Int. Results

Wed Jun 19 11:11:07 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

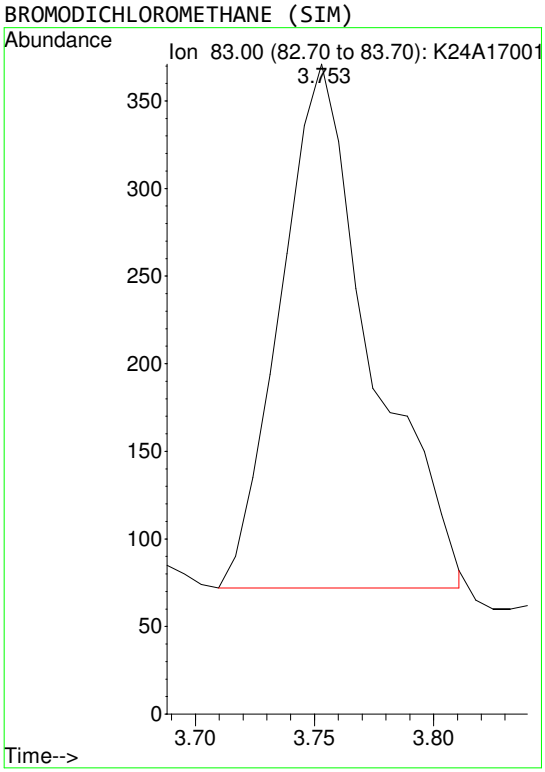
Manual Integration
1,2-DICHLOROPROPANE (SIM)



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170010.D
Acq On : 18 Jun 2024 02:50 pm
Operator : CMR
Sample : 24F1161-01 0.8X
Misc : 2,1,200,500,0.8X

Quant Time : Wed Jun 19 11:11:10 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
BROMODICHLOROMETHANE (SIM)



Original Int. Results

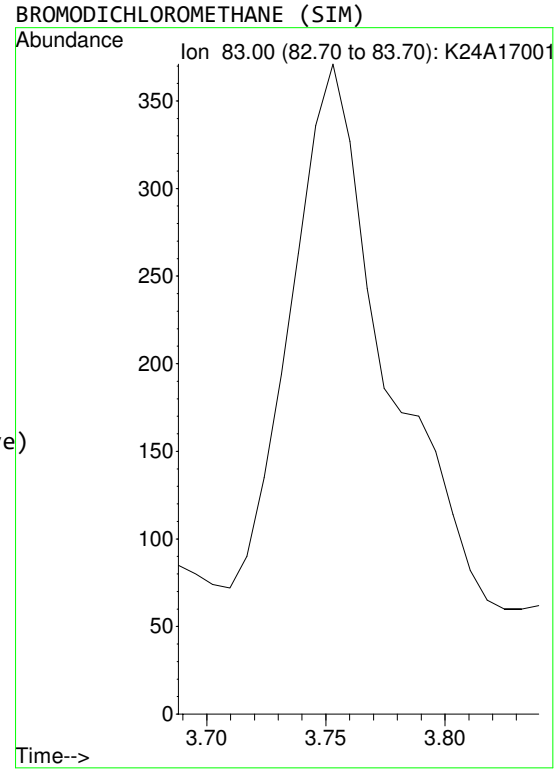
RT : 3.75
Area : 789
Amount: 0.0416333

Manual Int. Results

Wed Jun 19 11:11:10 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMODICHLOROMETHANE (SIM)



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170010.D
Acq On : 18 Jun 2024 02:50 pm
Operator : CMR
Sample : 24F1161-01 0.8X Inst : SYSK
Misc : 2,1,200,500,0.8X
ALS Vial : 8 Sample Multiplier: 1
InstName : SYSK

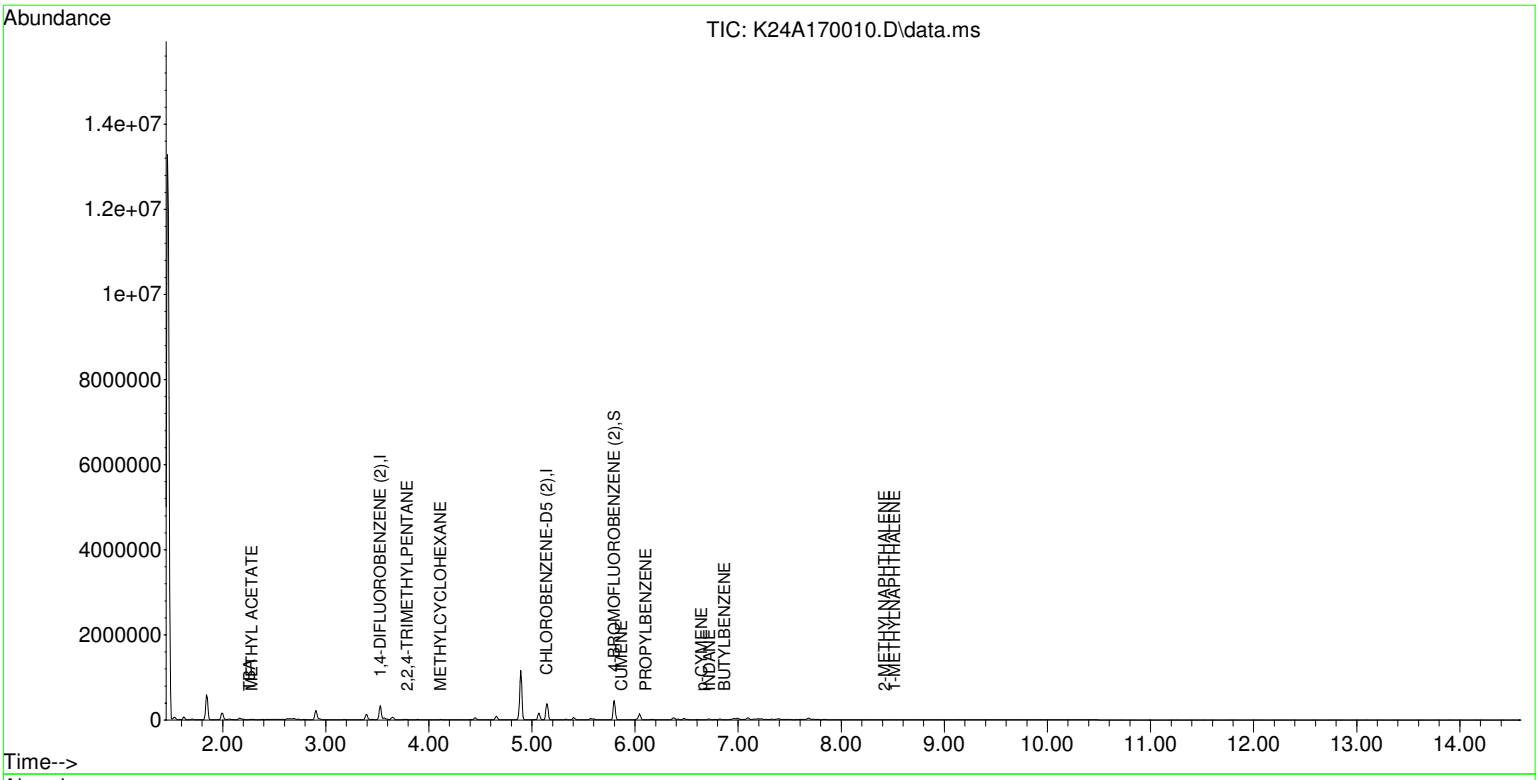
Quant Time: Jun 19 11:55:54 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX051524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed May 15 09:37:36 2024
Response via : Initial Calibration

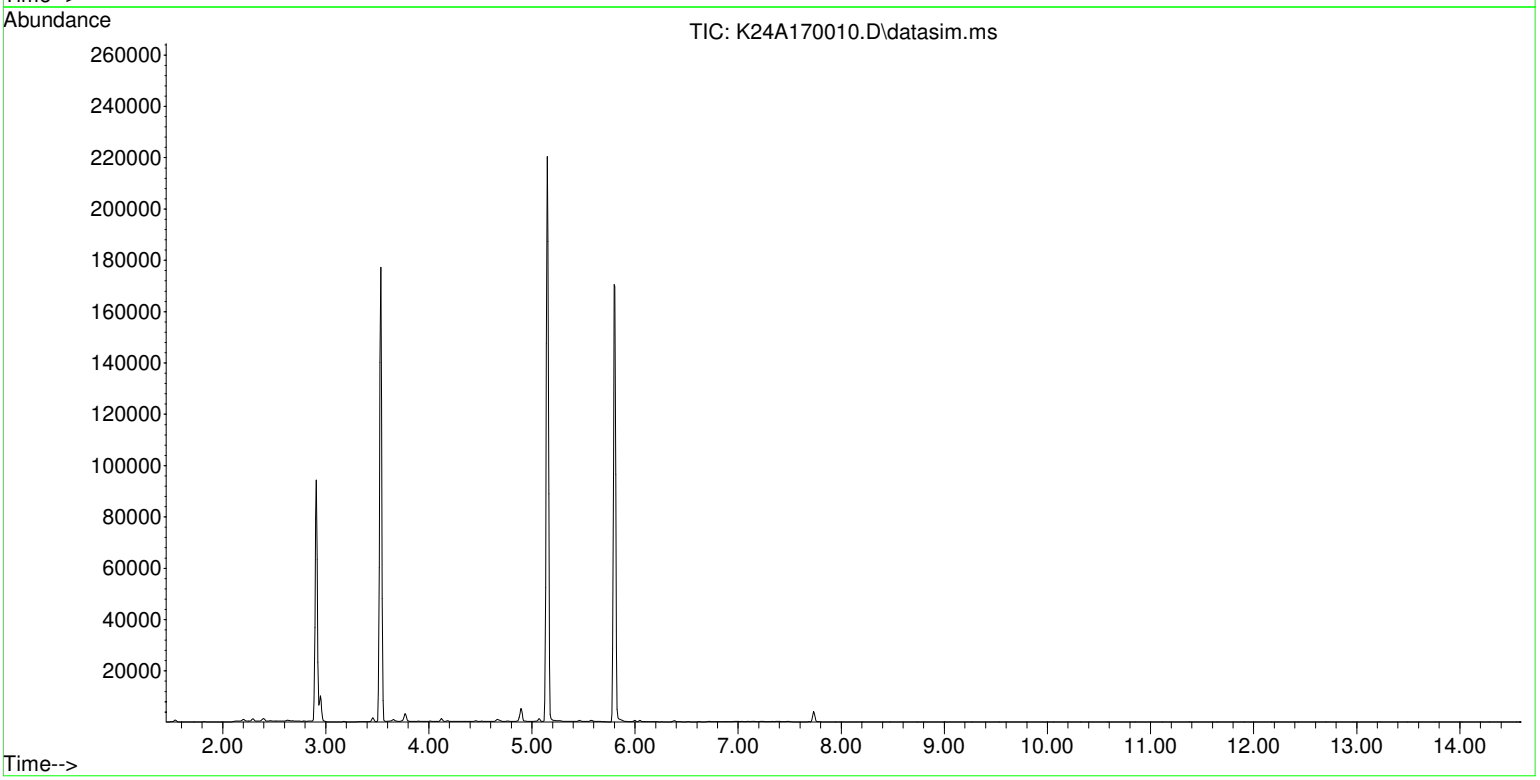
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-DIFLUOROBENZENE (2)	3.527	114	214185	8.000	PPBV	0.00
7) CHLOROBENZENE-D5 (2)	5.142	54	41469	8.000	PPBV	0.00
System Monitoring Compounds						
10) 4-BROMOFLUOROBENZENE (2)	5.799	174	114044	10.084	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 126.00%			
Target Compounds						Qvalue
3) METHYL ACETATE	2.283	43	4190	0.221	PPBV #	75
4) TBA	2.260	59	3434	0.156	PPBV	76
5) 2,2,4-TRIMETHYLPENTANE	3.790	57	3588	0.067	PPBV #	35
6) METHYLCYCLOHEXANE	4.115	83	1716	0.088	PPBV	91
11) CUMENE	5.870	105	692	0.013	PPBV	81
12) PROPYLBENZENE	6.107	120	400	0.035	PPBV #	82
15) p-CYMENE	6.643	119	1935	0.044	PPBV #	50
16) INDANE	6.722	117	609	0.017	PPBV #	71
18) BUTYLBENZENE	6.865	91	977	0.019	PPBV #	41
21) 2-METHYLNAPHTHALENE	8.417	142	245	0.018	UG/L #	66
22) 1-METHYLNAPHTHALENE	8.517	142	202	0.012	UG/L #	78

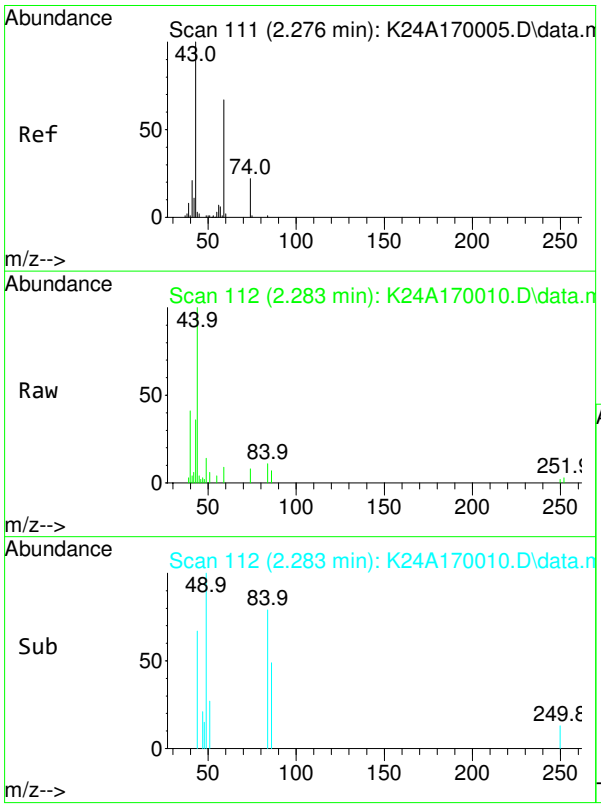
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170010.D
Acq On : 18 Jun 2024 02:50 pm
Operator : CMR
Sample : 24F1161-01 0.8X Inst : SYSK
Misc : 2,1,200,500,0.8X
ALS Vial : 8 Sample Multiplier: 1
InstName : SYSK

Quant Time: Jun 19 11:55:54 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX051524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed May 15 09:37:36 2024
Response via : Initial Calibration



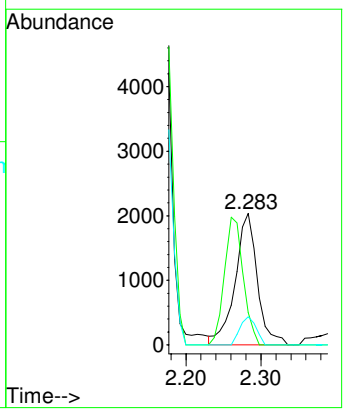


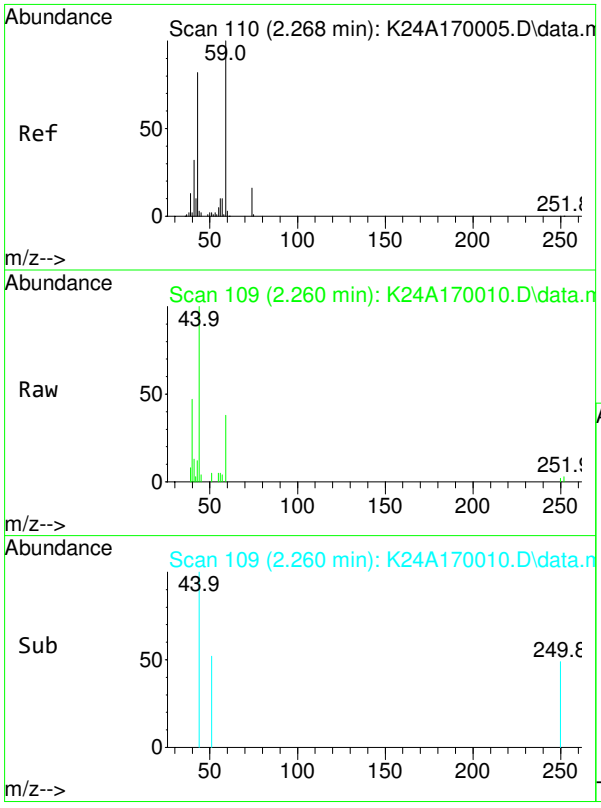


#3
METHYL ACETATE
Concen: 0.22 PPBV
RT: 2.283 min Scan# 112
Delta R.T. 0.015 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion: 43 Resp: 4190

Ion	Ratio	Lower	Upper
43	100		
59	82.0	91.3	131.3#
74	15.7	0.0	33.8

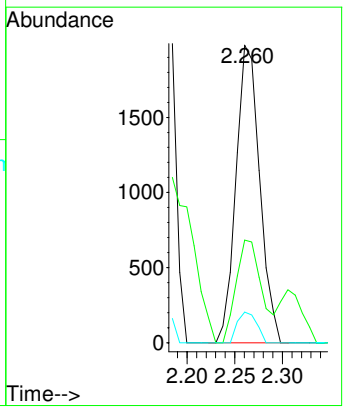


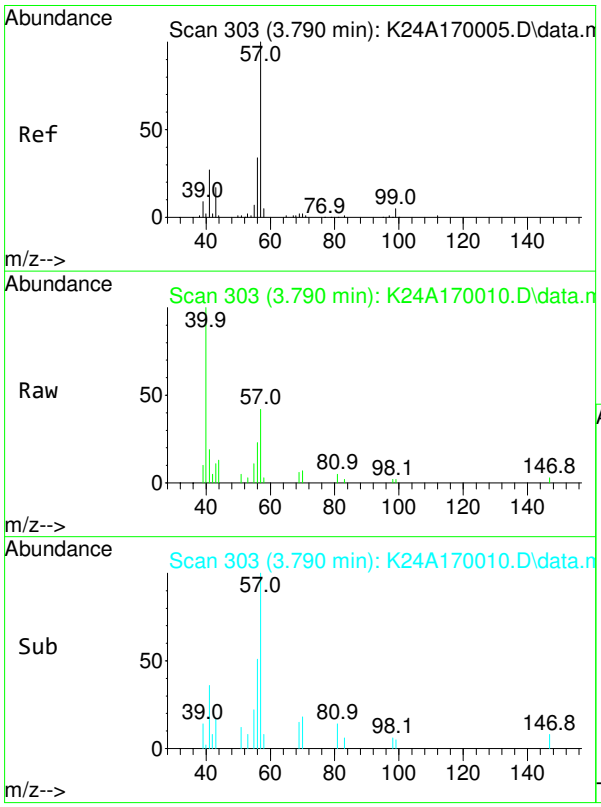


#4
TBA
Concen: 0.16 PPBV
RT: 2.260 min Scan# 109
Delta R.T. -0.000 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion: 59 Resp: 3434

Ion	Ratio	Lower	Upper
59	100		
41	37.4	2.2	42.2
57	8.4	0.0	30.9

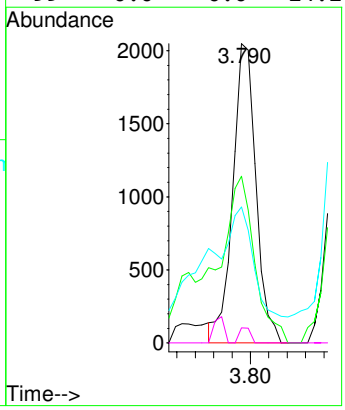


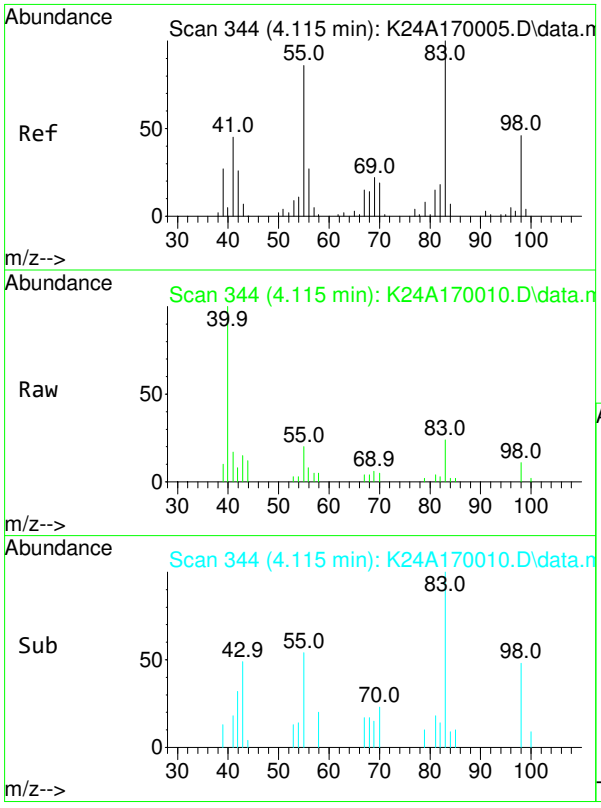


#5
2,2,4-TRIMETHYLPENTANE
Concen: 0.07 PPBV
RT: 3.790 min Scan# 303
Delta R.T. 0.000 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion: 57 Resp: 3588

Ion	Ratio	Lower	Upper
57	100		
56	67.7	13.0	53.0#
41	69.2	8.8	48.8#
99	0.0	0.0	24.2

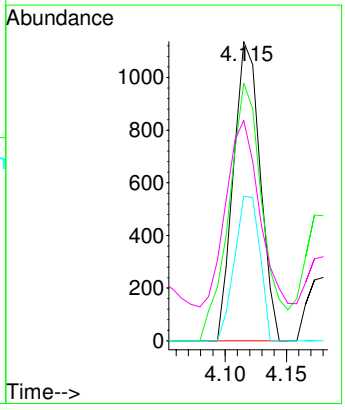


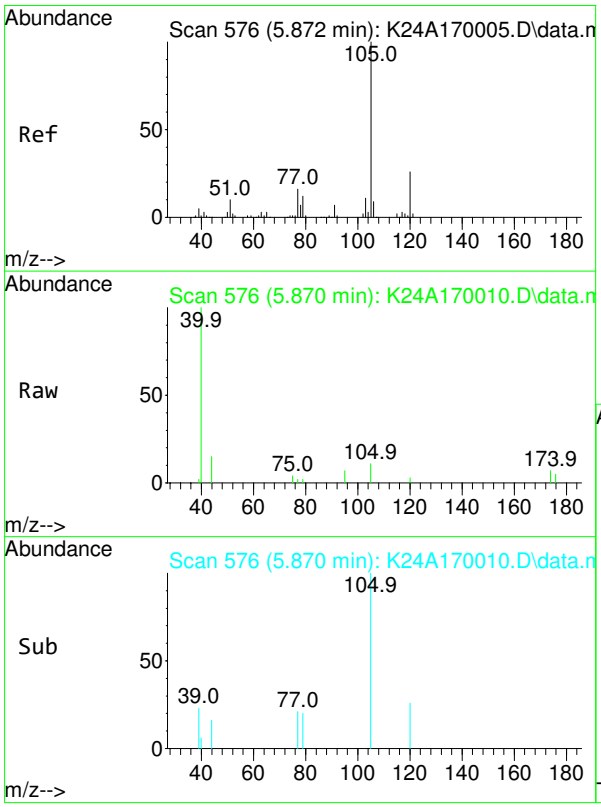


#6
METHYLCYCLOHEXANE
Concen: 0.09 PPBV
RT: 4.115 min Scan# 344
Delta R.T. 0.000 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion: 83 Resp: 1716

Ion	Ratio	Lower	Upper
83	100		
55	110.1	96.7	136.7
98	45.9	27.9	67.9
41	77.3	41.8	81.8

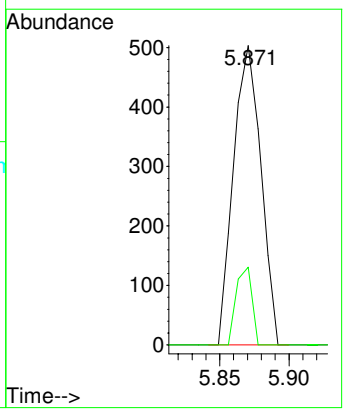


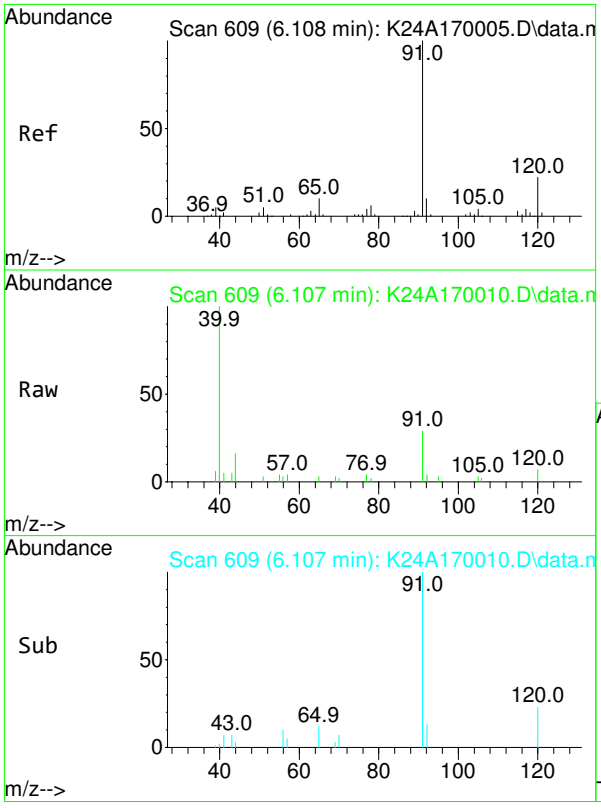


#11
CUMENE
Concen: 0.01 PPBV
RT: 5.870 min Scan# 576
Delta R.T. -0.001 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion:105 Resp: 692

Ion	Ratio	Lower	Upper
105	100		
120	15.0	4.3	44.3

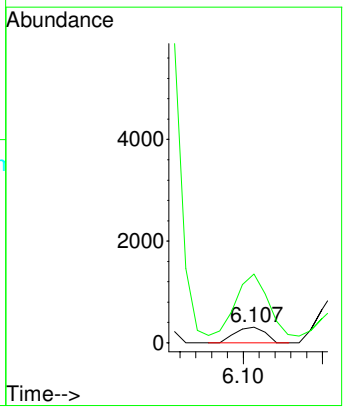


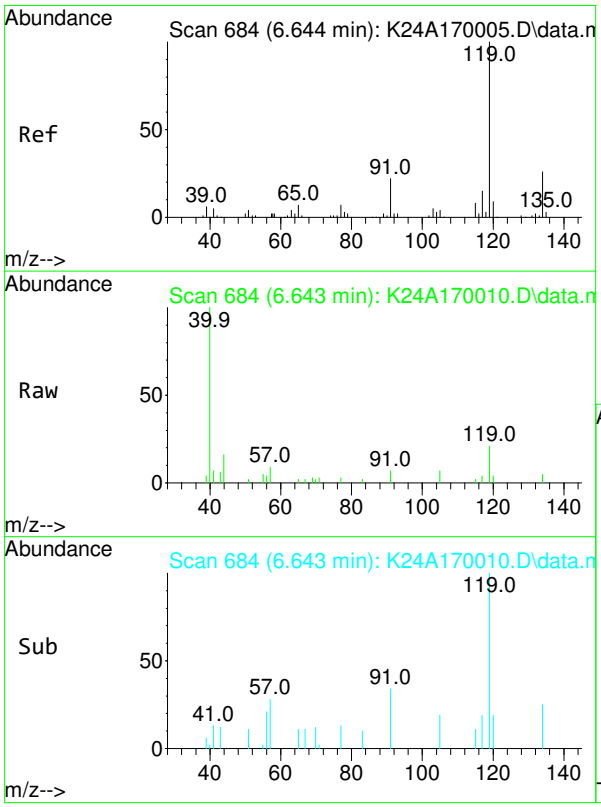


#12
PROPYLBENZENE
Concen: 0.03 PPBV
RT: 6.107 min Scan# 609
Delta R.T. -0.001 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion:120 Resp: 400

Ion	Ratio	Lower	Upper
120	100		
91	426.0	455.0	495.0#

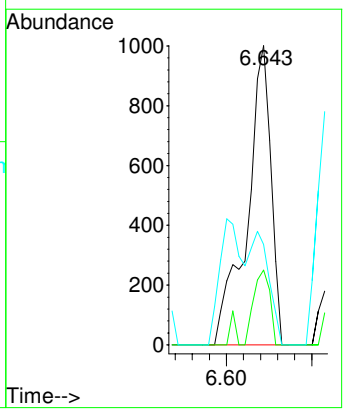


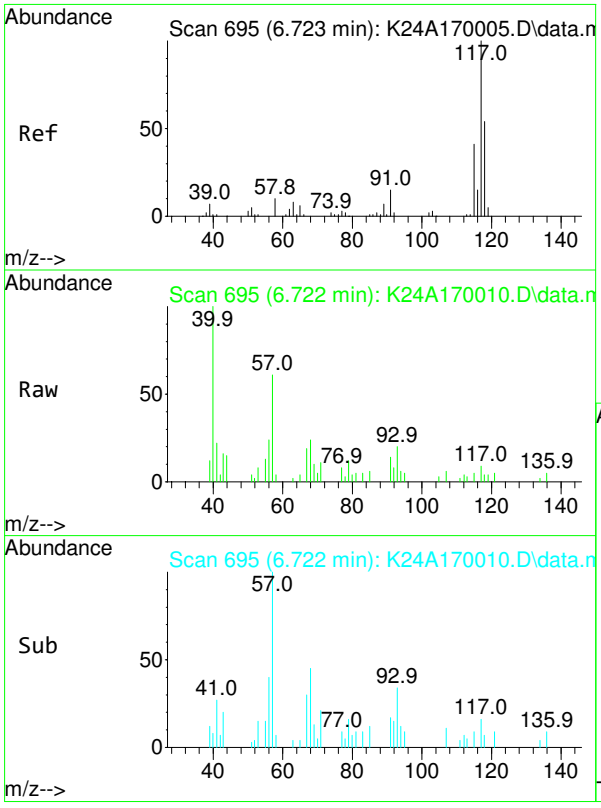


#15
p-CYMENE
Concen: 0.04 PPBV
RT: 6.643 min Scan# 684
Delta R.T. -0.001 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion:119 Resp: 1935

Ion	Ratio	Lower	Upper
119	100		
134	17.2	4.1	44.1
91	70.1	7.7	47.7#

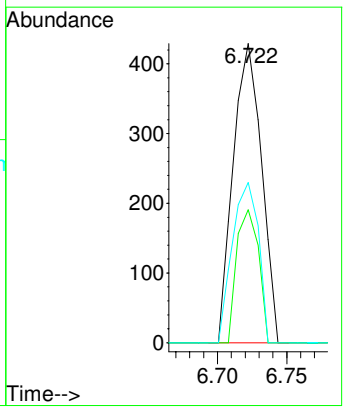


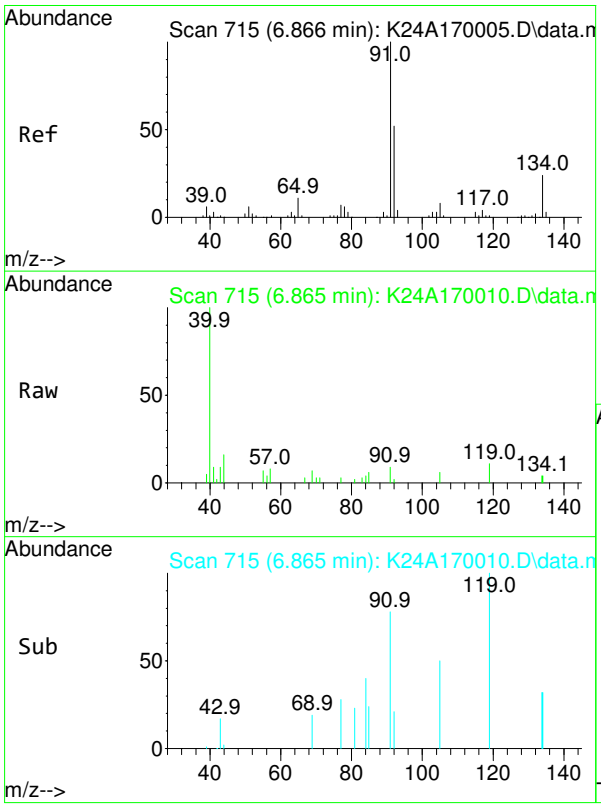


#16
INDANE
Concen: 0.02 PPBV
RT: 6.722 min Scan# 695
Delta R.T. -0.001 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion:117 Resp: 609

Ion	Ratio	Lower	Upper
117	100		
118	34.5	36.9	76.9#
115	49.4	14.5	54.5

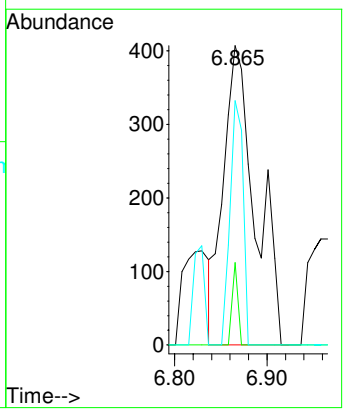


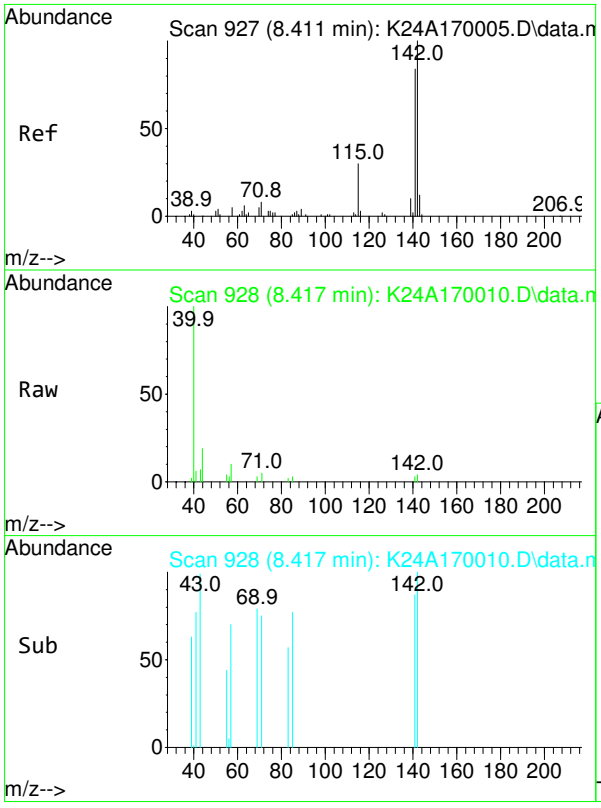


#18
BUTYLBENZENE
Concen: 0.02 PPBV
RT: 6.865 min Scan# 715
Delta R.T. -0.001 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion: 91 Resp: 977

Ion	Ratio	Lower	Upper
91	100		
92	0.0	34.3	74.3#
134	33.4	3.6	43.6

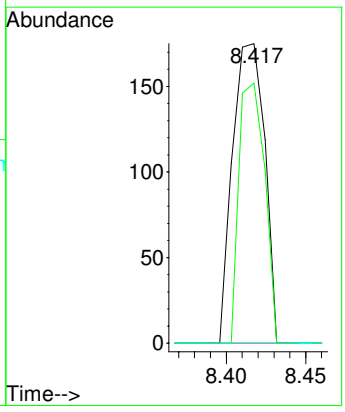


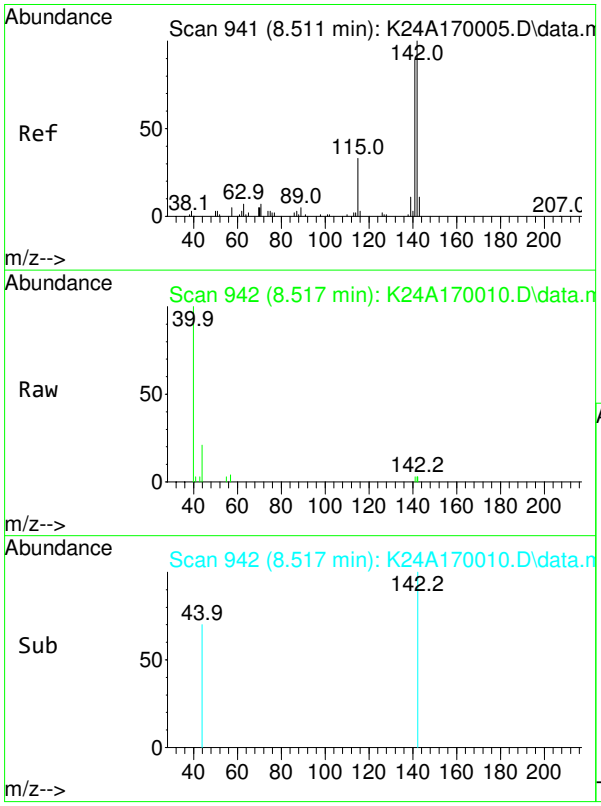


#21
2-METHYLNAPHTHALENE
Concen: 0.02 UG/L
RT: 8.417 min Scan# 928
Delta R.T. 0.006 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion:142 Resp: 245

Ion	Ratio	Lower	Upper
142	100		
141	69.8	67.9	107.9
115	0.0	21.5	61.5#

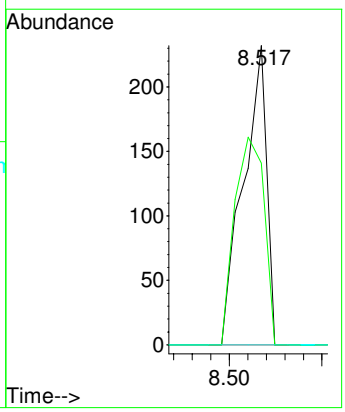




#22
1-METHYLNAPHTHALENE
Concen: 0.01 UG/L
RT: 8.517 min Scan# 942
Delta R.T. 0.006 min
Lab File: K24A170010.D
Acq: 18 Jun 2024 02:50 pm

Tgt Ion:142 Resp: 202

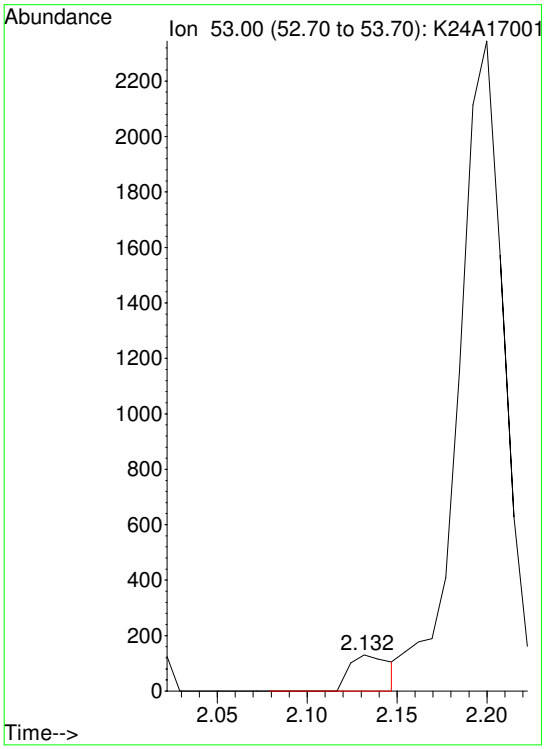
Ion	Ratio	Lower	Upper
142	100		
141	88.1	69.2	109.2
115	0.0	22.3	62.3#



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170010.D
Acq On : 18 Jun 2024 02:50 pm
Operator : CMR
Sample : 24F1161-01 0.8X
Misc : 2,1,200,500,0.8X

Quant Time : Wed Jun 19 11:57:14 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX051524.M
QLast Update : Wed May 15 09:37:36 2024

Original Integration
ACRYLONITRILE



Original Int. Results

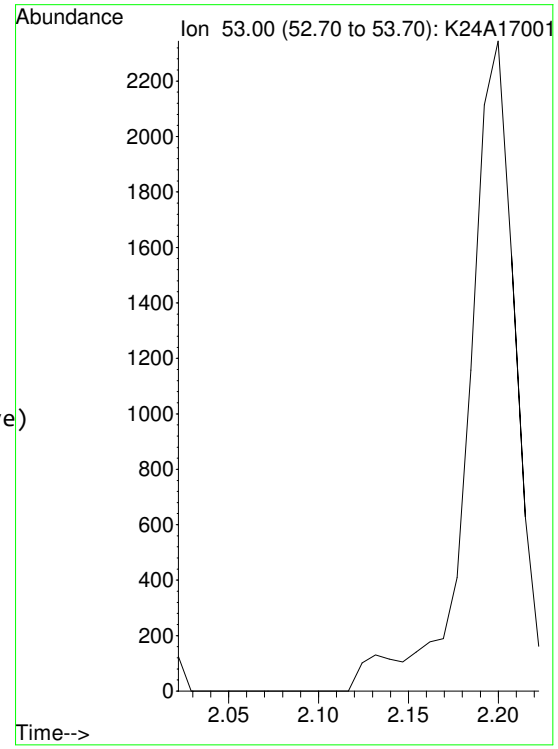
RT : 2.13
Area : 367
Amount: 0.0331443

Manual Int. Results

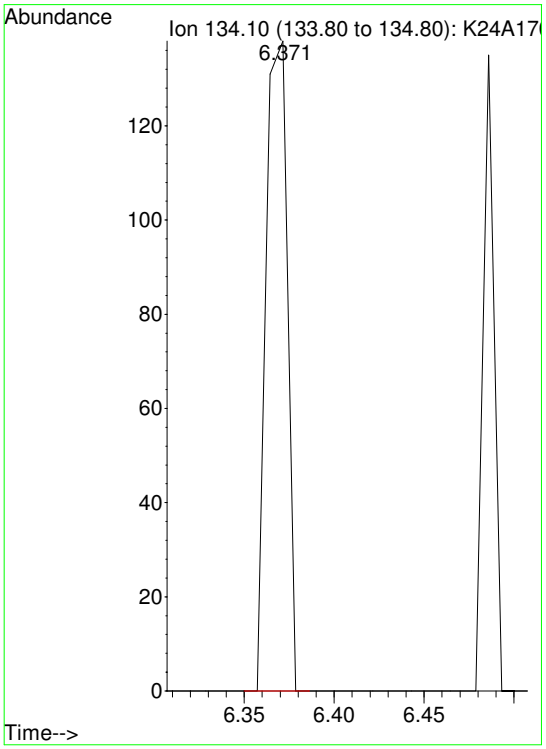
Wed Jun 19 11:56:58 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ACRYLONITRILE



Original Integration
tert-BUTYLBENZENE



Original Int. Results

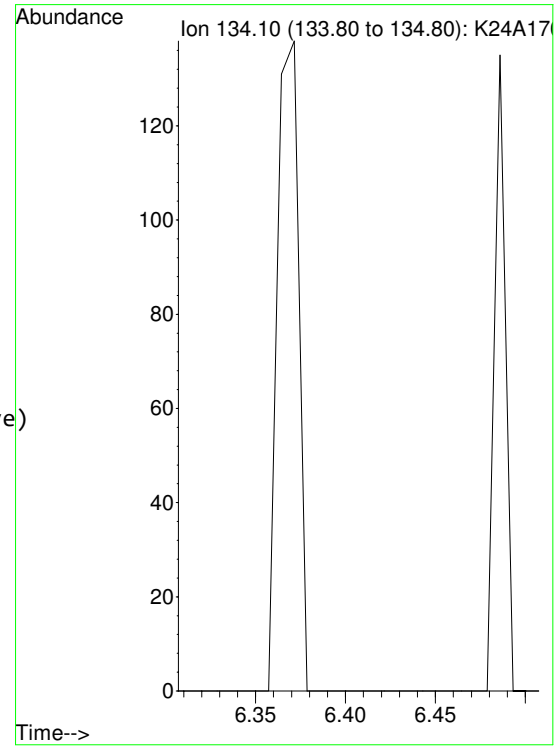
RT : 6.37
Area : 116
Amount: 0.0149531

Manual Int. Results

Wed Jun 19 11:57:07 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

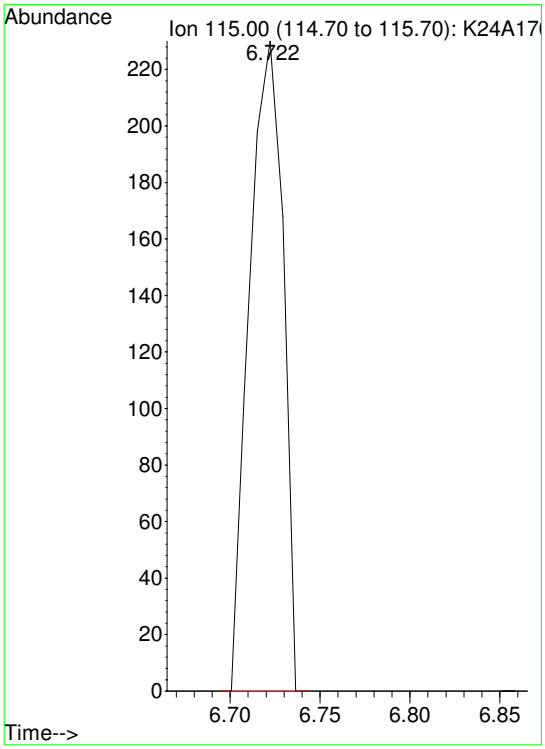
Manual Integration
tert-BUTYLBENZENE



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170010.D
Acq On : 18 Jun 2024 02:50 pm
Operator : CMR
Sample : 24F1161-01 0.8X
Misc : 2,1,200,500,0.8X

Quant Time : Wed Jun 19 11:57:14 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX051524.M
QLast Update : Wed May 15 09:37:36 2024

Original Integration
INDENE



Original Int. Results

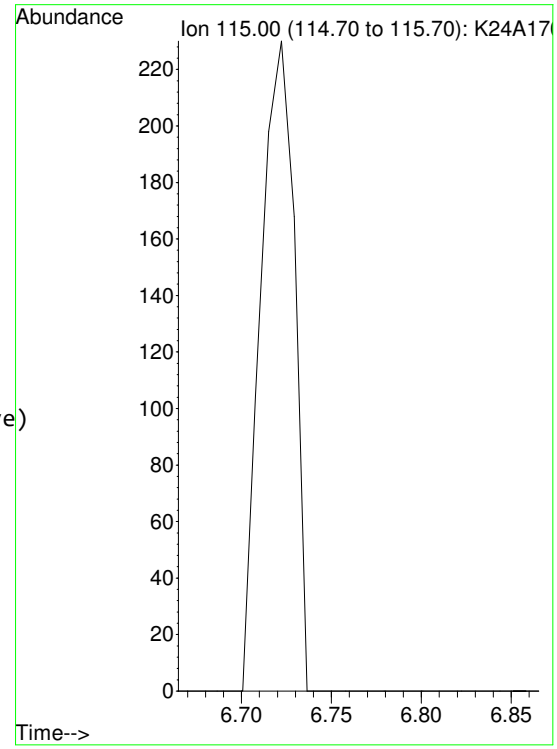
RT : 6.72
Area : 301
Amount: 0.010031

Manual Int. Results

Wed Jun 19 11:57:13 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
INDENE



1 - FORM I
ANALYSIS DATA SHEET

DUP

Laboratory:	Pace New England			Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY			Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1
Matrix:	Indoor air	Laboratory ID:	24F1161-02	File ID:	K24A170011.D
Sampled:	06/06/24 16:28	Prepared:	06/18/24 00:00	Analyzed:	06/18/24 15:27
Solids:		Preparation:	TO-15 Prep	Dilution:	0.8
Initial/Final:	400 mL / 400 mL				
Batch:	B377758	Sequence:	S106148	Calibration:	2400609
Instrument:	SYSK				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
71-43-2	Benzene	0.20	0.012	0.040	
100-44-7	Benzyl chloride		0.020	0.080	
75-27-4	Bromodichloromethane		0.016	0.040	
75-25-2	Bromoform		0.0096	0.040	
74-83-9	Bromomethane		0.034	0.040	
78-93-3	2-Butanone (MEK)	0.86	0.78	1.6	J
75-65-0	tert-Butyl Alcohol (TBA)	0.12	0.062	0.16	J
56-23-5	Carbon Tetrachloride	0.066	0.031	0.040	L-03
108-90-7	Chlorobenzene		0.013	0.040	
75-00-3	Chloroethane		0.037	0.040	
67-66-3	Chloroform	0.43	0.020	0.040	
74-87-3	Chloromethane	0.52	0.053	0.080	
110-82-7	Cyclohexane	0.14	0.031	0.040	
124-48-1	Dibromochloromethane		0.027	0.040	
106-93-4	1,2-Dibromoethane (EDB)		0.025	0.040	
95-50-1	1,2-Dichlorobenzene		0.013	0.040	
541-73-1	1,3-Dichlorobenzene		0.012	0.040	
106-46-7	1,4-Dichlorobenzene	0.055	0.019	0.040	
75-71-8	Dichlorodifluoromethane (Freon 12)	0.42	0.017	0.040	
75-34-3	1,1-Dichloroethane		0.019	0.040	L-03, V-05
107-06-2	1,2-Dichloroethane		0.015	0.040	
75-35-4	1,1-Dichloroethylene		0.028	0.040	
156-59-2	cis-1,2-Dichloroethylene		0.019	0.040	
156-60-5	trans-1,2-Dichloroethylene		0.019	0.040	L-03, V-05
78-87-5	1,2-Dichloropropane		0.030	0.040	
10061-01-5	cis-1,3-Dichloropropene		0.020	0.040	
10061-02-6	trans-1,3-Dichloropropene		0.039	0.040	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.016	0.040	
123-91-1	1,4-Dioxane		0.20	0.40	

1 - FORM I
ANALYSIS DATA SHEET

DUP

Laboratory:	Pace New England			Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY			Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1
Matrix:	Indoor air	Laboratory ID:	24F1161-02	File ID:	K24A170011.D
Sampled:	06/06/24 16:28	Prepared:	06/18/24 00:00	Analyzed:	06/18/24 15:27
Solids:		Preparation:	TO-15 Prep	Dilution:	0.8
Initial/Final:	400 mL / 400 mL				
Batch:	B377758	Sequence:	S106148	Calibration:	2400609
Instrument:	SYSK				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
64-17-5	Ethanol	260	1.1	1.6	
100-41-4	Ethylbenzene	0.24	0.014	0.040	
142-82-5	Heptane	0.21	0.025	0.040	
87-68-3	Hexachlorobutadiene		0.024	0.040	
110-54-3	Hexane		0.84	1.6	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.020	0.040	
75-09-2	Methylene Chloride	0.14	0.11	0.40	J
108-10-1	4-Methyl-2-pentanone (MIBK)		0.019	0.040	
91-20-3	Naphthalene	0.21	0.032	0.040	V-35
100-42-5	Styrene	0.054	0.031	0.040	
79-34-5	1,1,2,2-Tetrachloroethane		0.0099	0.040	
127-18-4	Tetrachloroethylene	20	0.034	0.040	
108-88-3	Toluene	0.82	0.020	0.040	
120-82-1	1,2,4-Trichlorobenzene		0.023	0.040	
71-55-6	1,1,1-Trichloroethane		0.018	0.040	
79-00-5	1,1,2-Trichloroethane		0.014	0.040	
79-01-6	Trichloroethylene	0.14	0.031	0.040	
75-69-4	Trichlorofluoromethane (Freon 11)	0.20	0.016	0.16	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.067	0.011	0.16	J
95-63-6	1,2,4-Trimethylbenzene	0.19	0.024	0.040	
108-67-8	1,3,5-Trimethylbenzene	0.055	0.031	0.040	
540-84-1	2,2,4-Trimethylpentane	0.052	0.034	0.11	J
75-01-4	Vinyl Chloride		0.020	0.040	
179601-23-1	m&p-Xylene	0.86	0.027	0.080	
95-47-6	o-Xylene	0.32	0.013	0.040	

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170011.D
Acq On : 18 Jun 2024 03:27 pm
Operator : CMR
Sample : 24F1161-02 0.8X Inst : SYSK
Misc : 2,1,200,500,0.8X
ALS Vial : 9 Sample Multiplier: 1
InstName : SYSK

Quant Time: Jun 19 11:05:08 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Apr 23 10:16:53 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.903	49	80876	8.000	PPBV	# 0.00
30) 1,4-DIFLUOROBENZENE (1)	3.527	114	220909m	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.150	117	202558	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.909	49	82492	8.000	PPBV	# 0.00
77) 1,4-DIFLUOROBENZENE (1...	3.533	114	227225	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.148	117	209990	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.799	174	117495	8.719	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 109.00%			
88) 4-BROMOFLUOROBENZENE (...	5.798	174	119358	8.662	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 108.25%			
Target Compounds						Qvalue
3) DICHLORODIFLUOROMETHANE	1.545	85	9353	0.526	PPBV	99
4) CHLOROMETHANE	1.587	50	5059	0.652	PPBV	100
7) 1,3-BUTADIENE	1.687	54	143	Below Cal	#	1
10) ACROLEIN	1.951	56	4668	1.516	PPBV	89
11) ACETONE	1.994	43	140198	14.038	PPBV	81
12) TRICHLOROFLUOROMETHANE	2.044	101	4254	0.249	PPBV	96
13) ETHANOL	1.844	45	502335	328.912	PPBV	98
15) METHYLENE CHLORIDE	2.283	49	1560	0.173	PPBV	79
16) FREON 113	2.381	101	1142	0.084	PPBV	89
21) IPA	2.065	45	22871	1.613	PPBV	90
22) 2-BUTANONE(MEK)	2.737	43	15670	1.078	PPBV	93
24) VINYL ACETATE	2.661	43	15454	0.862	PPBV	88
25) HEXANE	2.934	41	4036	0.501	PPBV	91
26) ETHYL ACETATE	2.934	45	891	0.436	PPBV #	50
27) CHLOROFORM	2.949	83	8025m	0.533	PPBV	
28) TETRAHYDROFURAN	3.073	42	1127	0.192	PPBV #	52
32) BENZENE	3.400	78	5707	0.254	PPBV	62
33) CARBON TETRACHLORIDE	3.452	117	1214	0.082	PPBV	96
34) CYCLOHEXANE	3.497	84	1655	0.173	PPBV #	73
37) TRICHLOROETHENE	3.769	95	1824	0.173	PPBV #	77
40) HEPTANE	3.891	57	2153	0.265	PPBV	89
46) TOLUENE	4.446	91	27728	1.028	PPBV	99
47) 2-HEXANONE(MBK)	4.569	43	2587	0.168	PPBV #	39
50) TETRACHLOROETHENE	4.892	166	280150	25.182	PPBV	92
52) ETHYLBENZENE	5.330	91	10218	0.301	PPBV	97
53) M/P-XYLENE	5.405	91	29412m	1.074	PPBV	
55) STYRENE	5.555	104	1202	0.068	PPBV	84
56) O-XYLENE	5.600	91	10560	0.400	PPBV	96
59) 4-ETHYLTOLUENE	6.164	105	6882m	0.202	PPBV	
60) 1,3,5-TRIMETHYLBENZENE	6.214	105	1733	0.069	PPBV	84
61) 1,2,4-TRIMETHYLBENZENE	6.415	105	6422	0.237	PPBV #	96
64) 1,4-DICHLOROBENZENE	6.508	146	1003	0.069	PPBV	98
67) NAPHTHALENE	7.732	128	5136	0.264	PPBV #	95
75] CHLOROFORM (SIM)	2.947	83	7885	0.546	PPBV	97
76] 1,2-DICHLOROETHANE (SIM)	3.179	62	245m	0.021	PPBV	
78] CARBON TETRACHLORIDE (...	3.458	117	1195	0.076	PPBV	98
81] TRICHLOROETHENE (SIM)	3.775	95	1930	0.172	PPBV	87

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170011.D
Acq On : 18 Jun 2024 03:27 pm
Operator : CMR
Sample : 24F1161-02 0.8X Inst : SYSK
Misc : 2,1,200,500,0.8X
ALS Vial : 9 Sample Multiplier: 1
InstName : SYSK

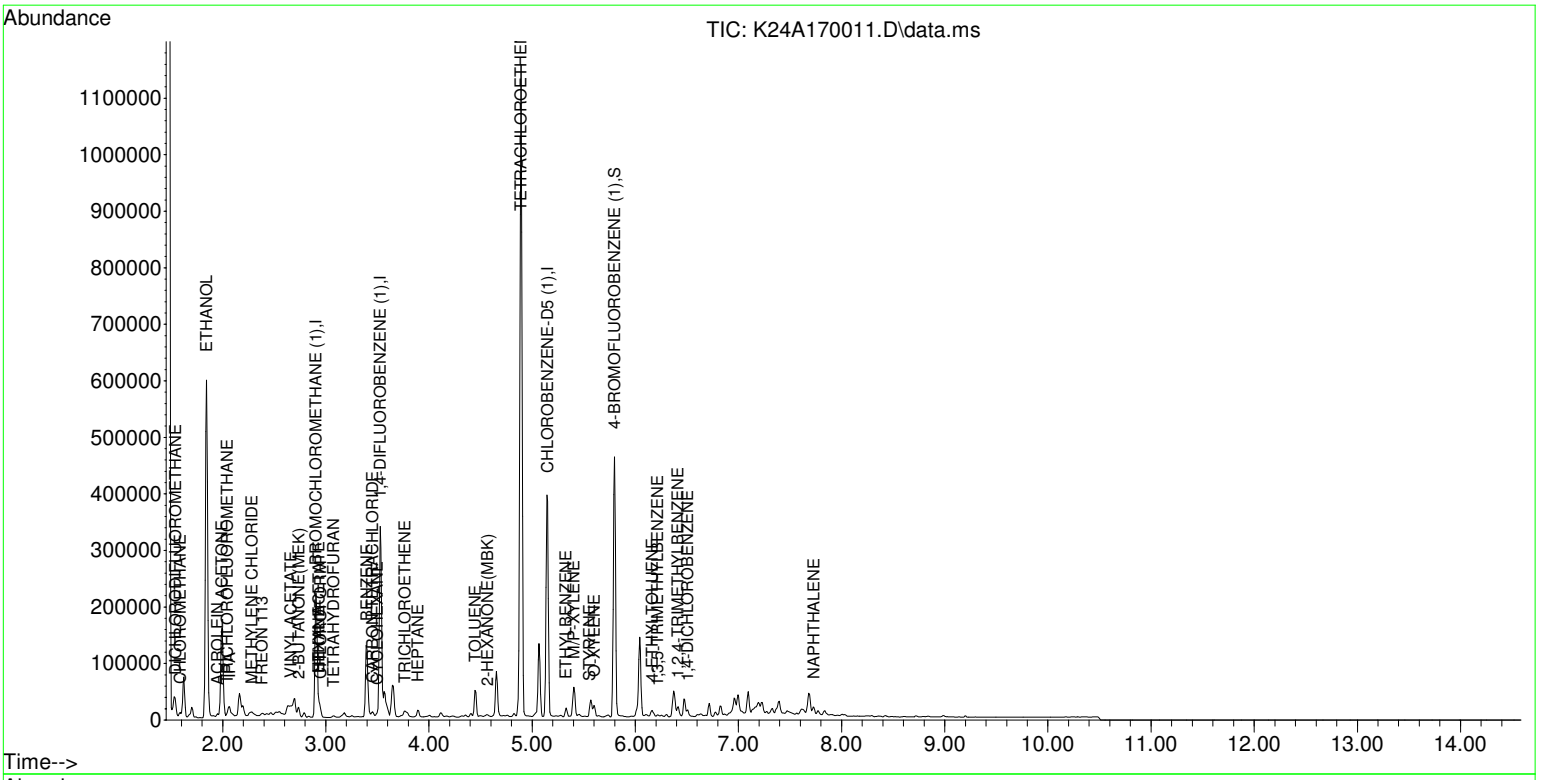
Quant Time: Jun 19 11:05:08 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Apr 23 10:16:53 2024
Response via : Initial Calibration

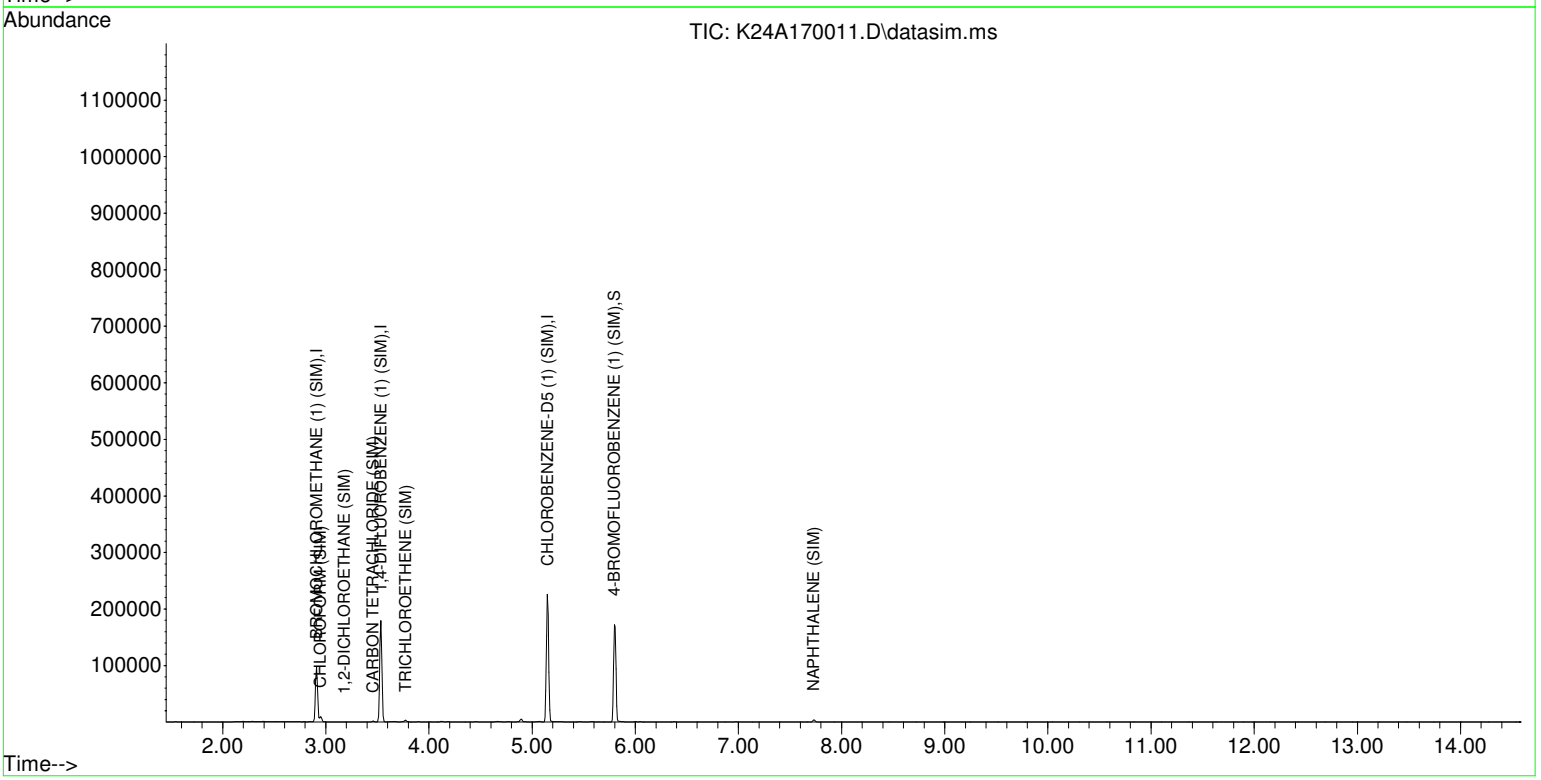
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
89] NAPHTHALENE (SIM)	7.730	128	5424	0.248	PPBV	98

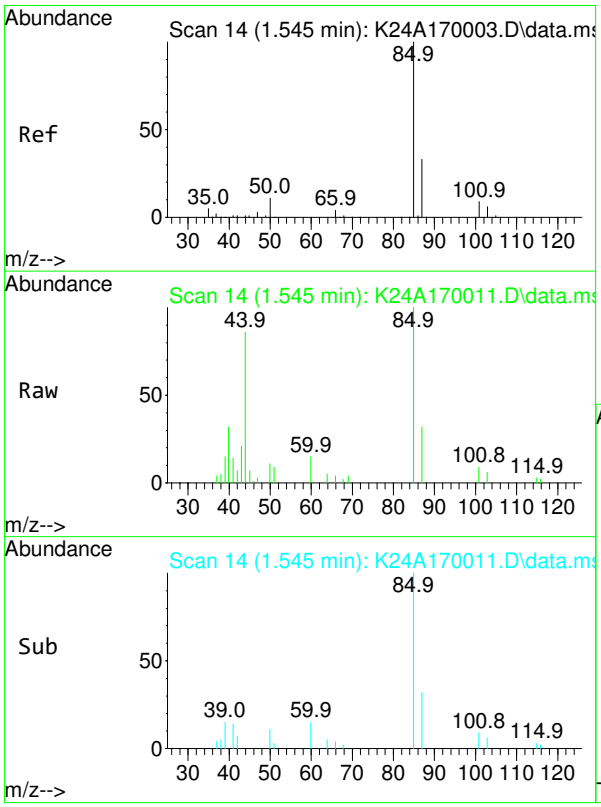
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170011.D
Acq On : 18 Jun 2024 03:27 pm
Operator : CMR
Sample : 24F1161-02 0.8X Inst : SYSK
Misc : 2,1,200,500,0.8X
ALS Vial : 9 Sample Multiplier: 1
InstName : SYSK

Quant Time: Jun 19 11:05:08 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Apr 23 10:16:53 2024
Response via : Initial Calibration



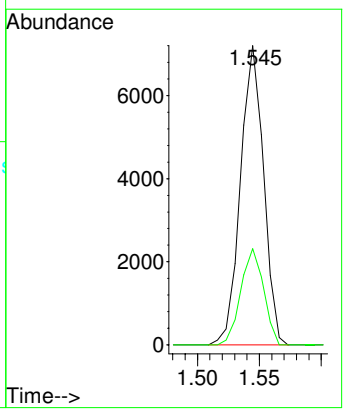


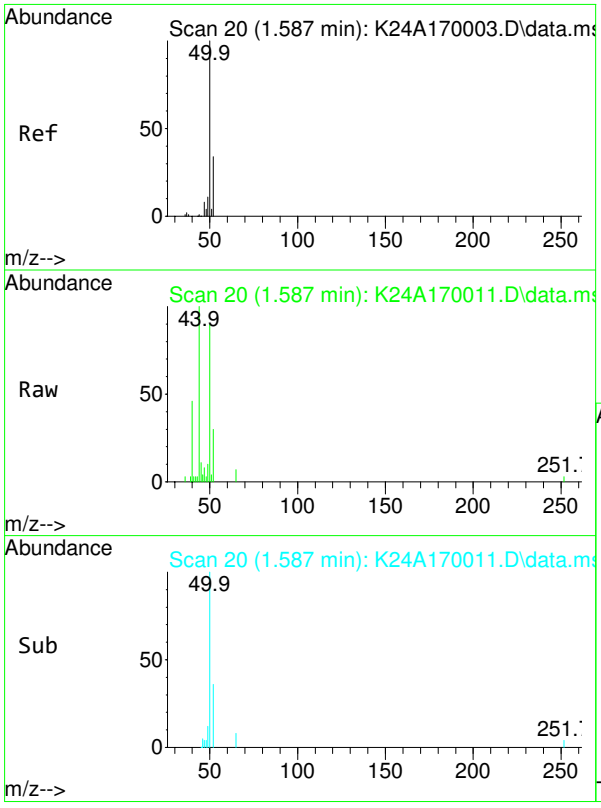


#3
DICHLORODIFLUOROMETHANE
Concen: 0.53 PPBV
RT: 1.545 min Scan# 14
Delta R.T. -0.002 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion: 85 Resp: 9353

Ion	Ratio	Lower	Upper
85	100		
87	31.6	12.3	52.3

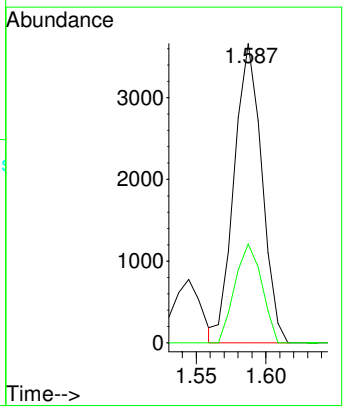


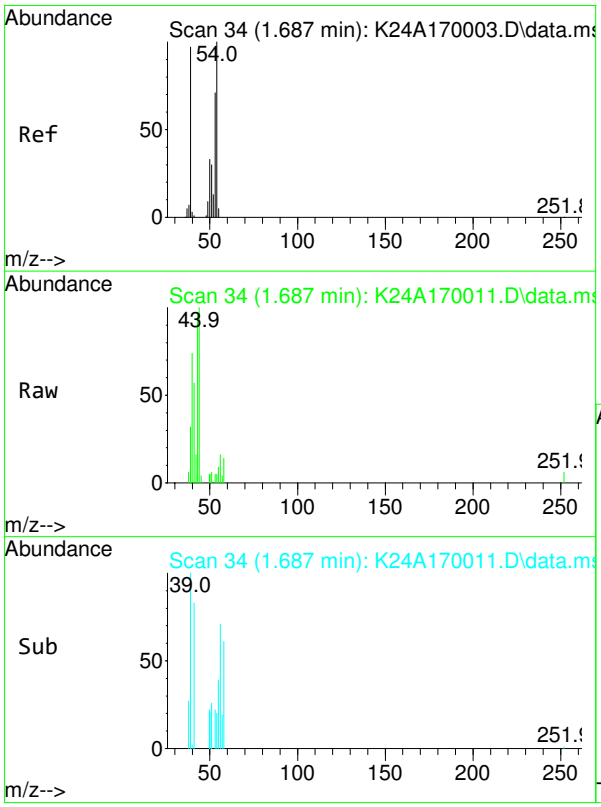


#4
CHLOROMETHANE
Concen: 0.65 PPBV
RT: 1.587 min Scan# 20
Delta R.T. -0.001 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion: 50 Resp: 5059

Ion	Ratio	Lower	Upper
50	100		
52	32.0	12.2	52.2

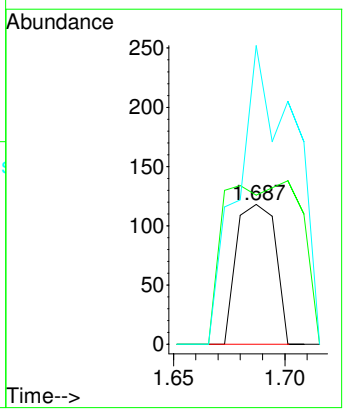


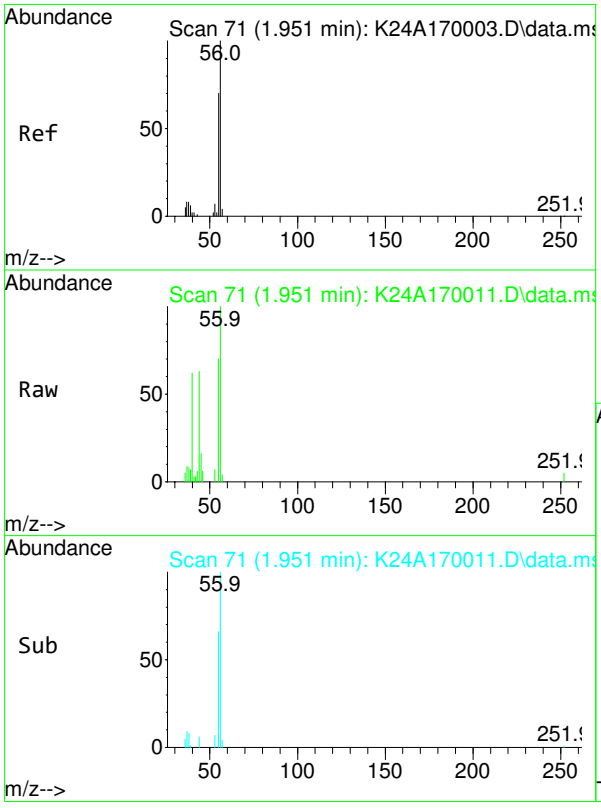


#7
1,3-BUTADIENE
Concen: Below Cal
RT: 1.687 min Scan# 34
Delta R.T. -0.003 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion: 54 Resp: 143

Ion	Ratio	Lower	Upper
54	100		
53	230.1	52.1	92.1#
50	310.5	15.5	55.5#

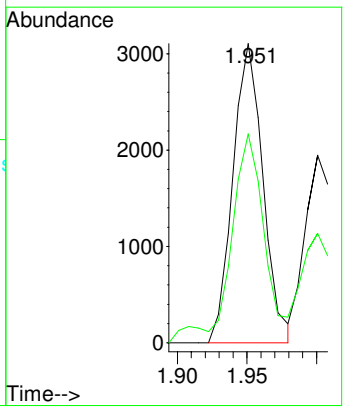


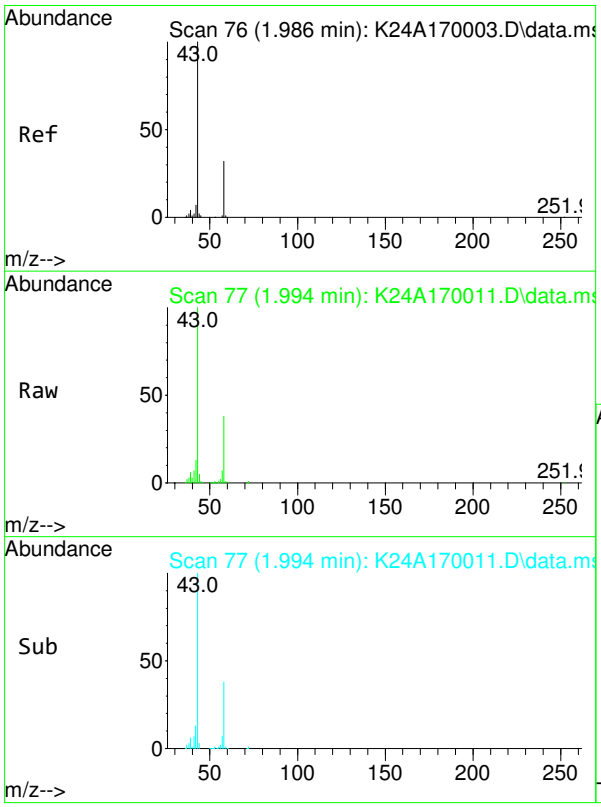


#10
ACROLEIN
Concen: 1.52 PPBV
RT: 1.951 min Scan# 71
Delta R.T. -0.000 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion: 56 Resp: 4668

Ion	Ratio	Lower	Upper
56	100		
55	64.1	58.6	87.8

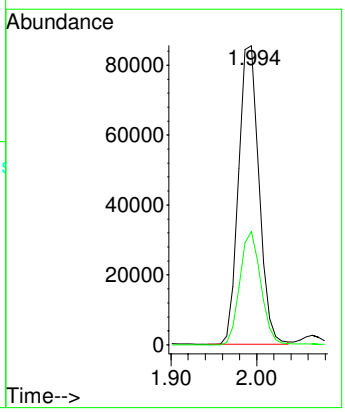


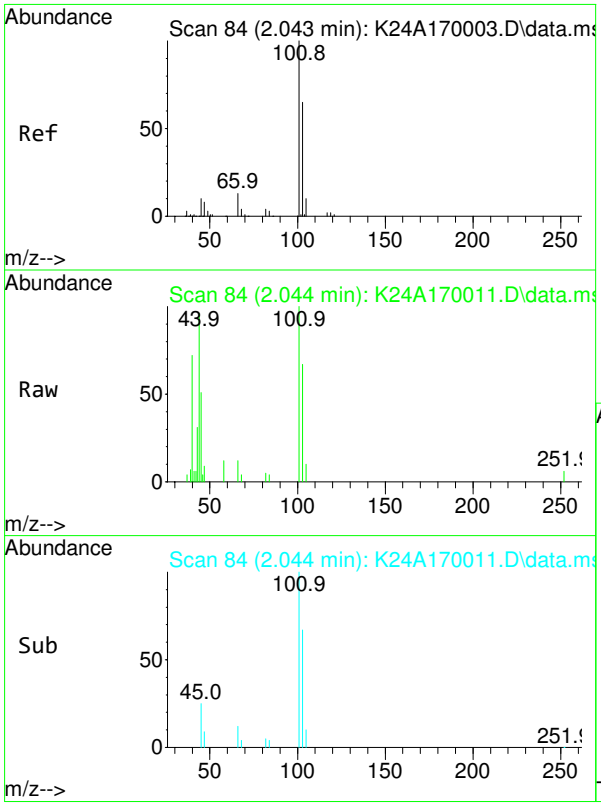


#11
ACETONE
Concen: 14.04 PPBV
RT: 1.994 min Scan# 77
Delta R.T. 0.008 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion: 43 Resp: 140198

Ion	Ratio	Lower	Upper
43	100		
58	39.1	9.1	49.1

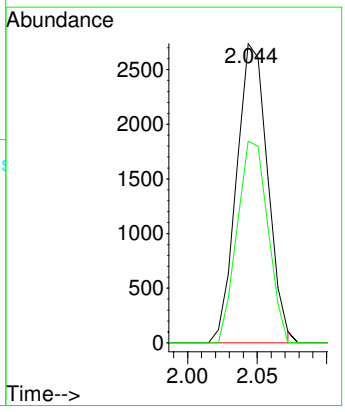


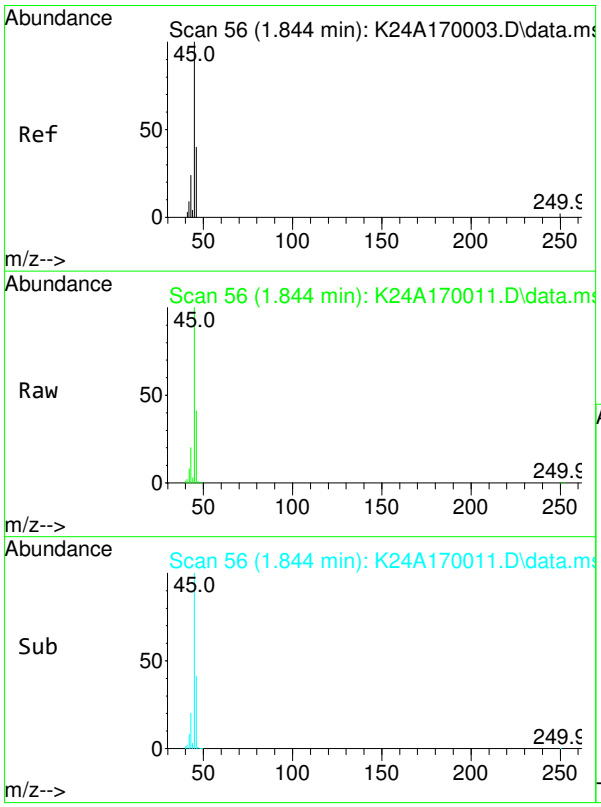


#12
TRICHLOROFLUOROMETHANE
Concen: 0.25 PPBV
RT: 2.044 min Scan# 84
Delta R.T. -0.004 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion:101 Resp: 4254

Ion	Ratio	Lower	Upper
101	100		
103	66.4	43.0	83.0

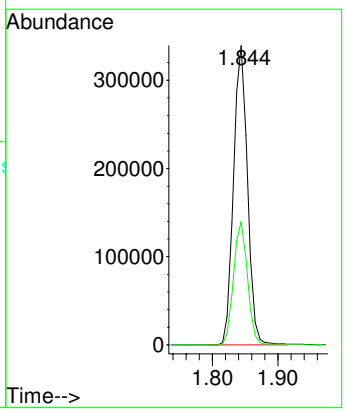


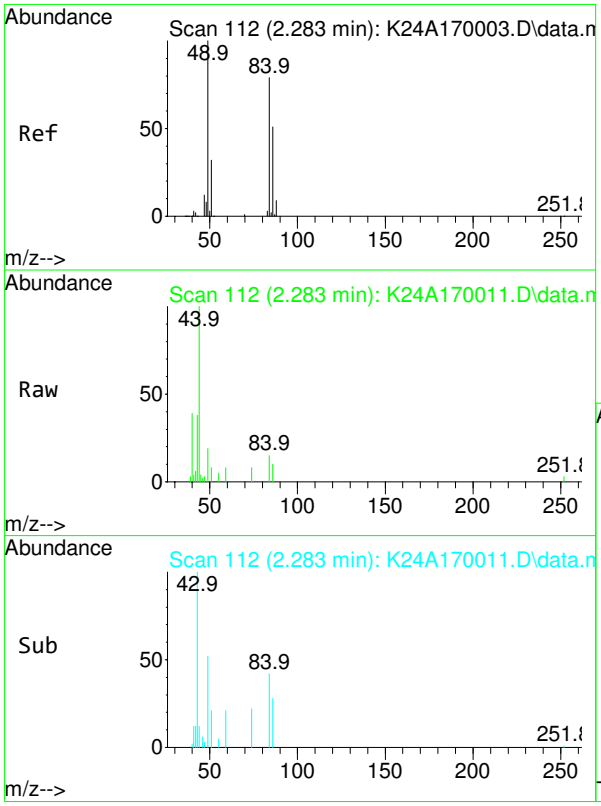


#13
ETHANOL
Concen: 328.91 PPBV
RT: 1.844 min Scan# 56
Delta R.T. 0.001 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion: 45 Resp: 502335

Ion	Ratio	Lower	Upper
45	100		
46	41.2	19.9	59.9

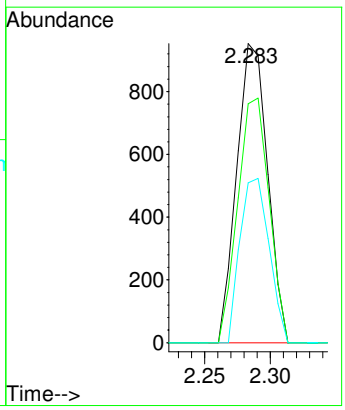


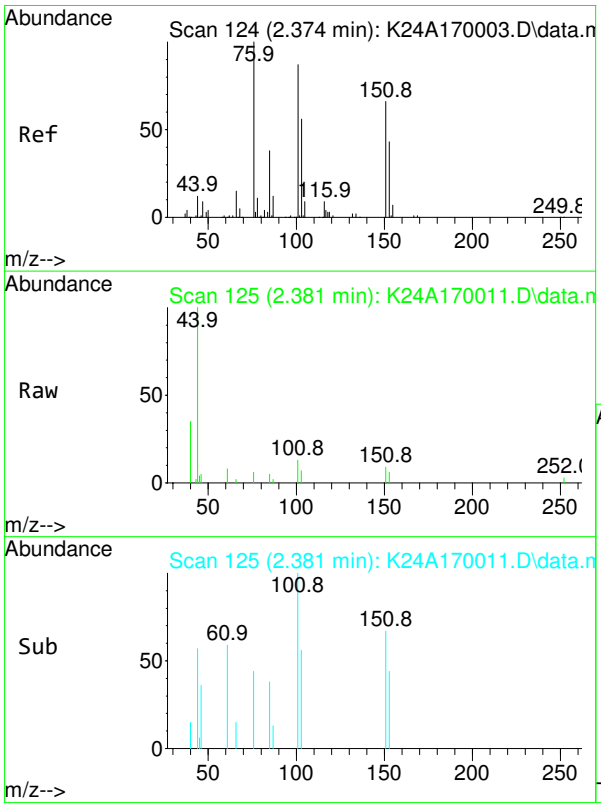


#15
METHYLENE CHLORIDE
Concen: 0.17 PPBV
RT: 2.283 min Scan# 112
Delta R.T. 0.000 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion: 49 Resp: 1560

Ion	Ratio	Lower	Upper
49	100		
84	83.2	44.5	84.5
86	51.9	21.1	61.1

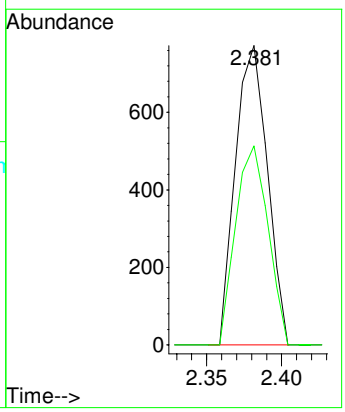


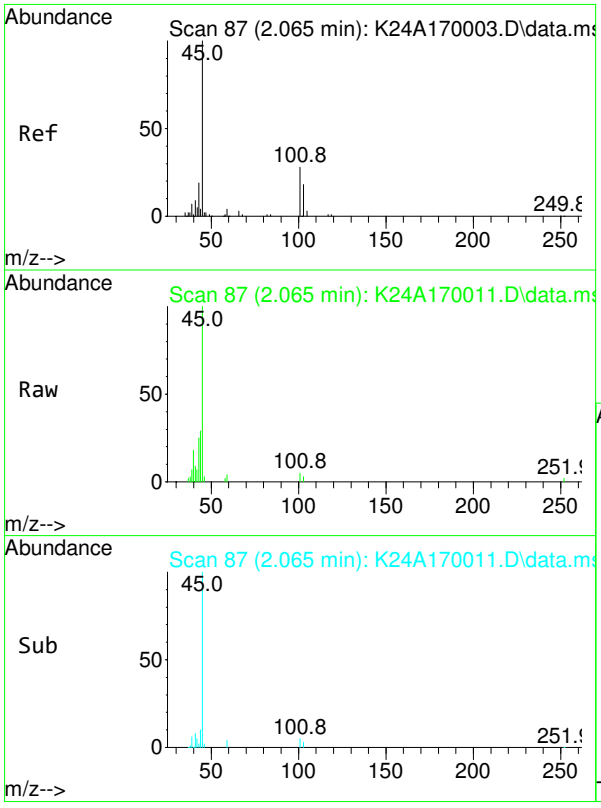


#16
FREON 113
Concen: 0.08 PPBV
RT: 2.381 min Scan# 125
Delta R.T. 0.008 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion:101 Resp: 1142

Ion	Ratio	Lower	Upper
101	100		
151	67.3	39.0	79.0

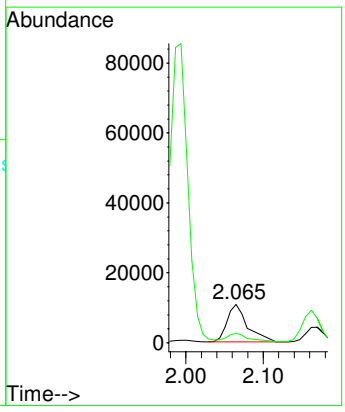


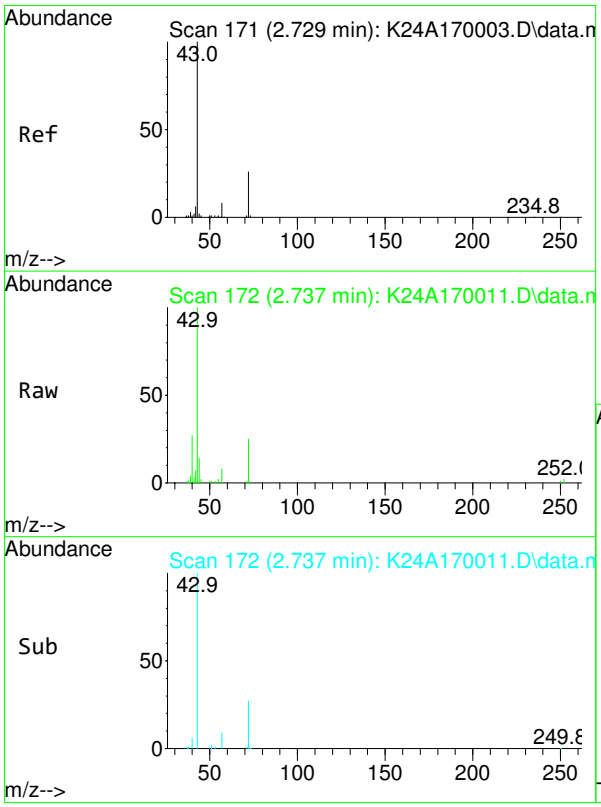


#21
IPA
Concen: 1.61 PPBV
RT: 2.065 min Scan# 87
Delta R.T. 0.002 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion: 45 Resp: 22871

Ion	Ratio	Lower	Upper
45	100		
43	25.0	0.2	40.2

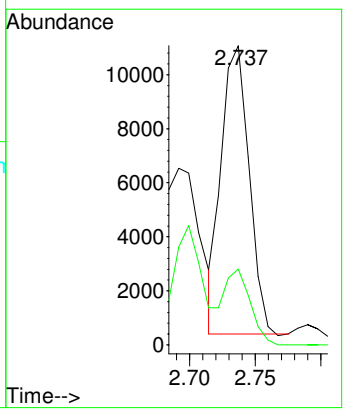


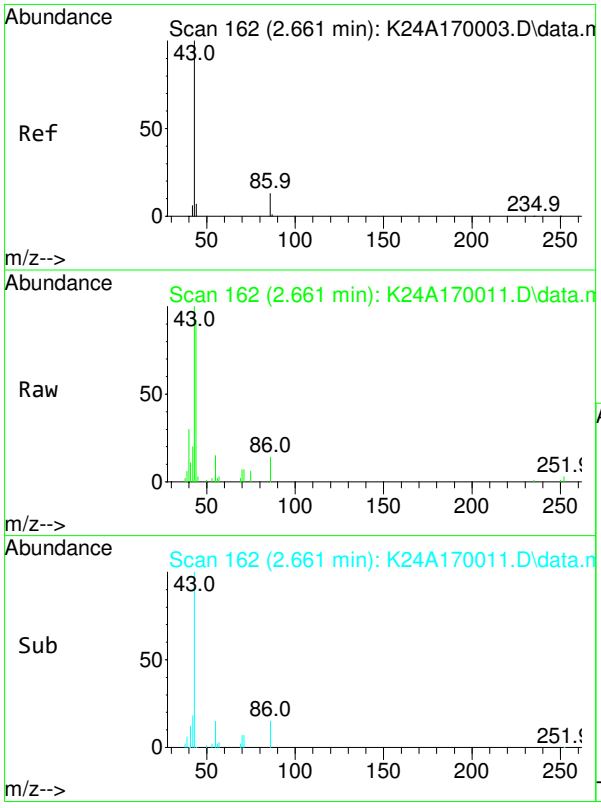


#22
2-BUTANONE(MEK)
Concen: 1.08 PPBV
RT: 2.737 min Scan# 172
Delta R.T. 0.009 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion: 43 Resp: 15670

Ion	Ratio	Lower	Upper
43	100		
72	23.1	0.0	39.8

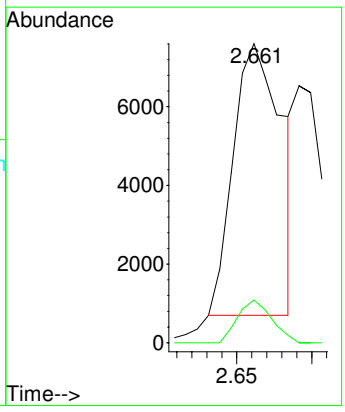


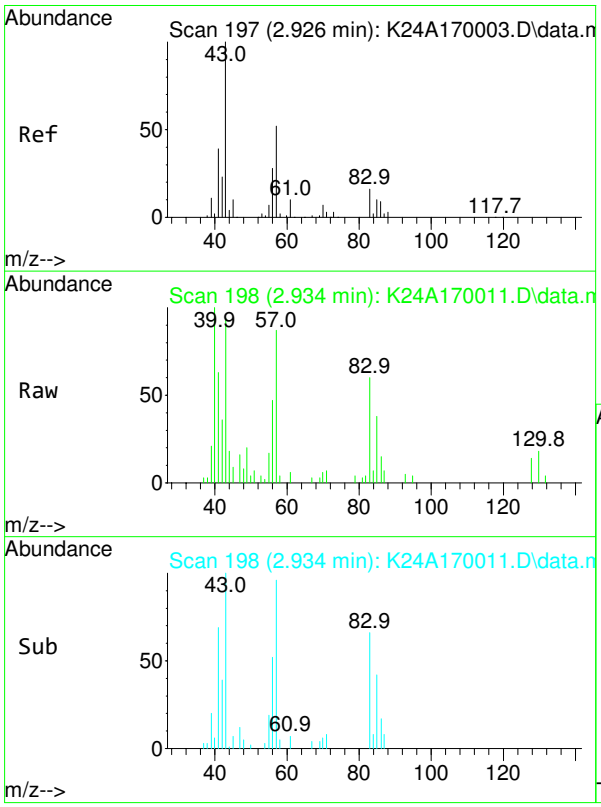


#24
VINYL ACETATE
Concen: 0.86 PPBV
RT: 2.661 min Scan# 162
Delta R.T. -0.004 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion: 43 Resp: 15454

Ion	Ratio	Lower	Upper
43	100		
86	11.2	0.0	16.9

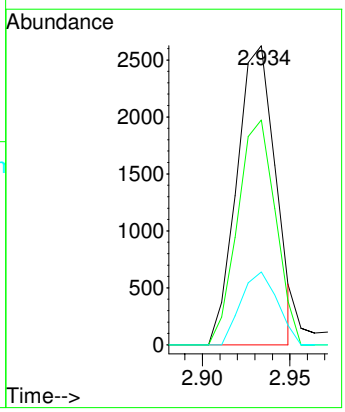


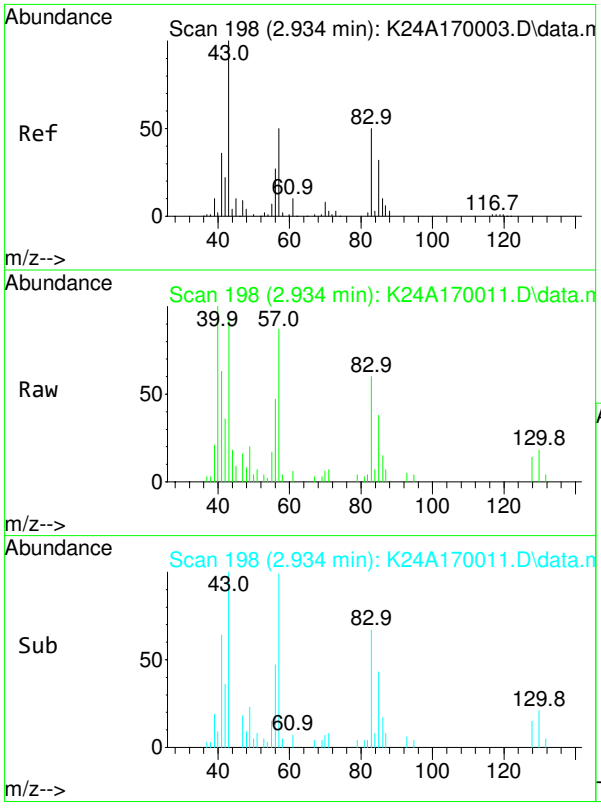


#25
HEXANE
Concen: 0.50 PPBV
RT: 2.934 min Scan# 198
Delta R.T. 0.004 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion: 41 Resp: 4036

Ion	Ratio	Lower	Upper
41	100		
56	73.9	46.2	86.2
86	23.0	10.7	30.7

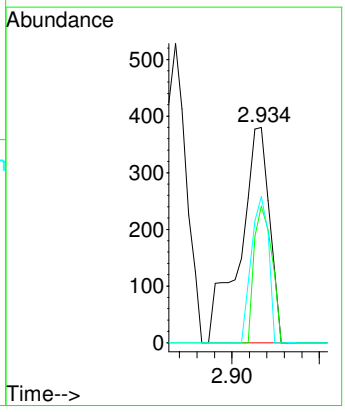


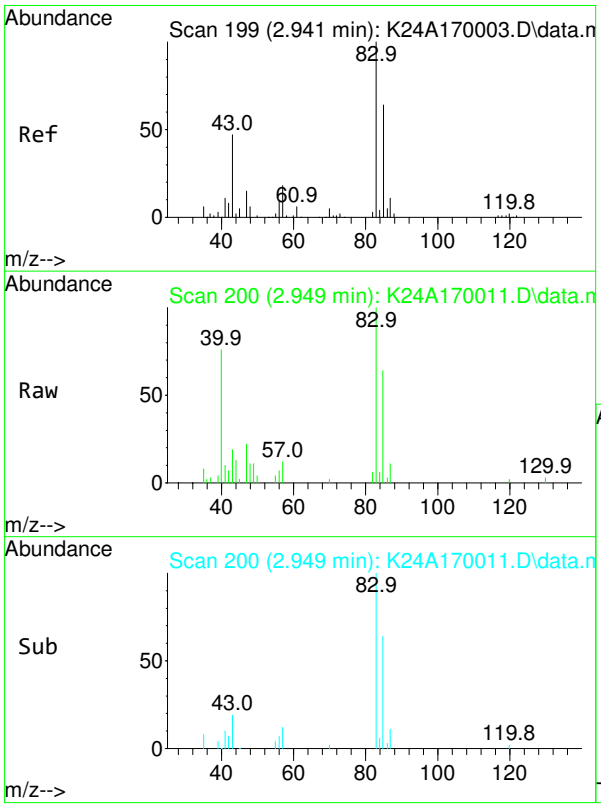


#26
ETHYL ACETATE
Concen: 0.44 PPBV
RT: 2.934 min Scan# 198
Delta R.T. 0.004 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion: 45 Resp: 891

Ion	Ratio	Lower	Upper
45	100		
70	38.2	54.1	94.1#
61	39.5	72.6	112.6#

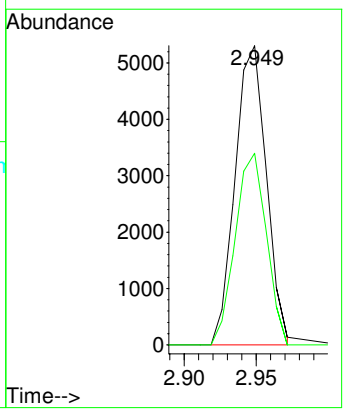


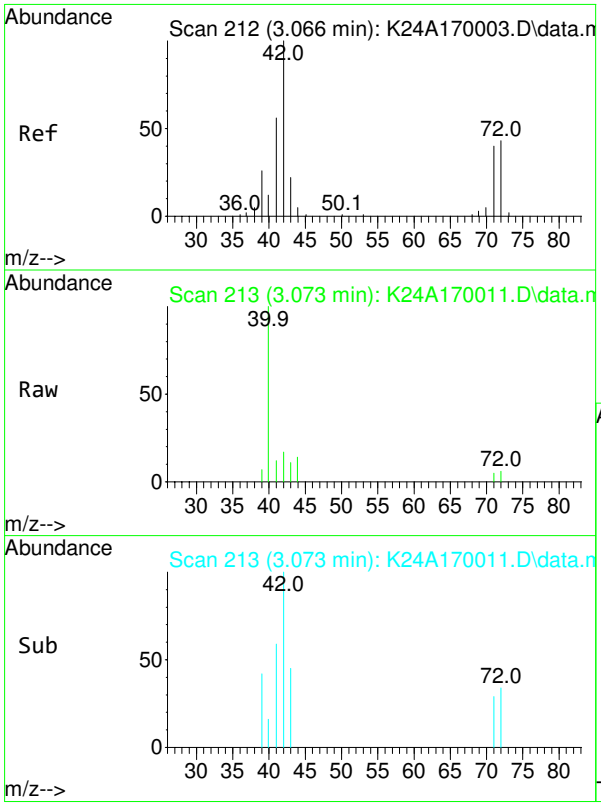


#27
CHLOROFORM
Concen: 0.53 PPBV m
RT: 2.949 min Scan# 200
Delta R.T. 0.004 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion: 83 Resp: 8025

Ion	Ratio	Lower	Upper
83	100		
85	63.7	43.6	83.6

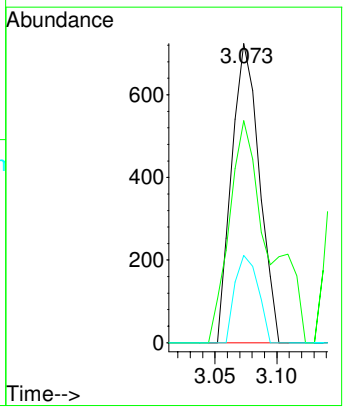


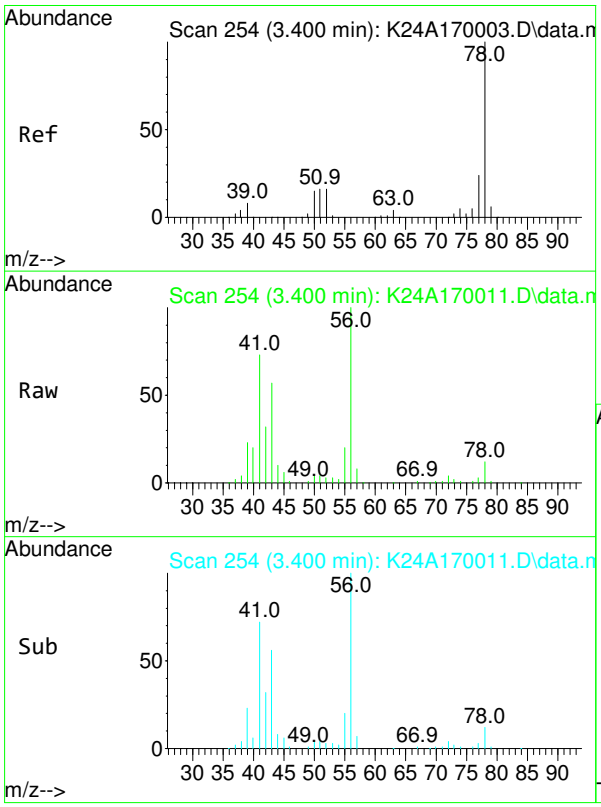


#28
TETRAHYDROFURAN
Concen: 0.19 PPBV
RT: 3.073 min Scan# 213
Delta R.T. 0.004 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion: 42 Resp: 1127

Ion	Ratio	Lower	Upper
42	100		
41	105.1	36.2	76.2#
71	24.6	16.1	56.1

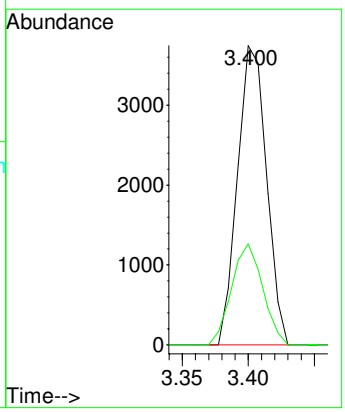


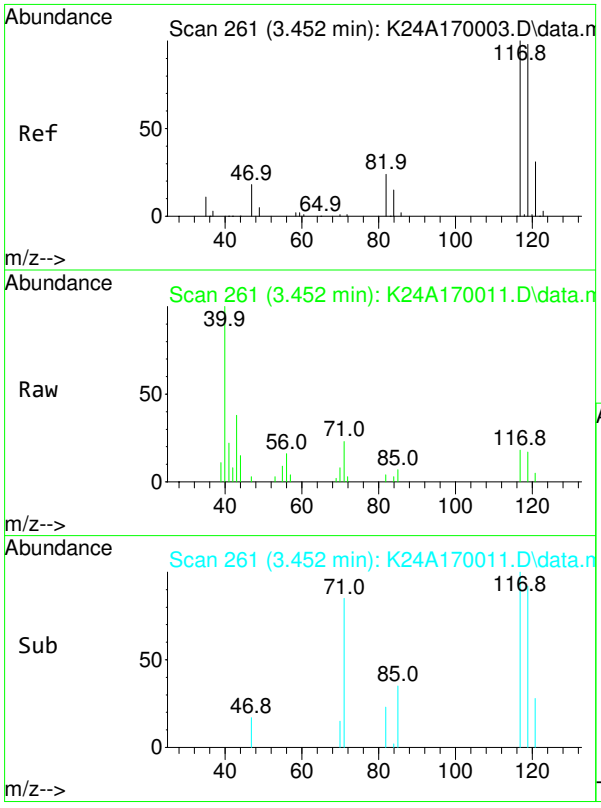


#32
BENZENE
Concen: 0.25 PPBV
RT: 3.400 min Scan# 254
Delta R.T. -0.003 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion: 78 Resp: 5707

Ion	Ratio	Lower	Upper
78	100		
51	36.2	0.0	39.1

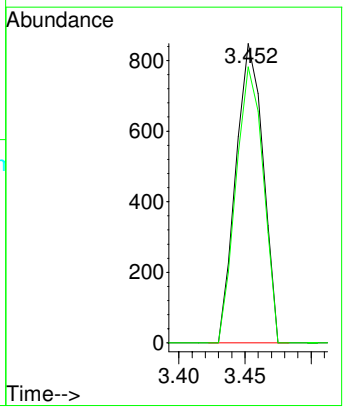


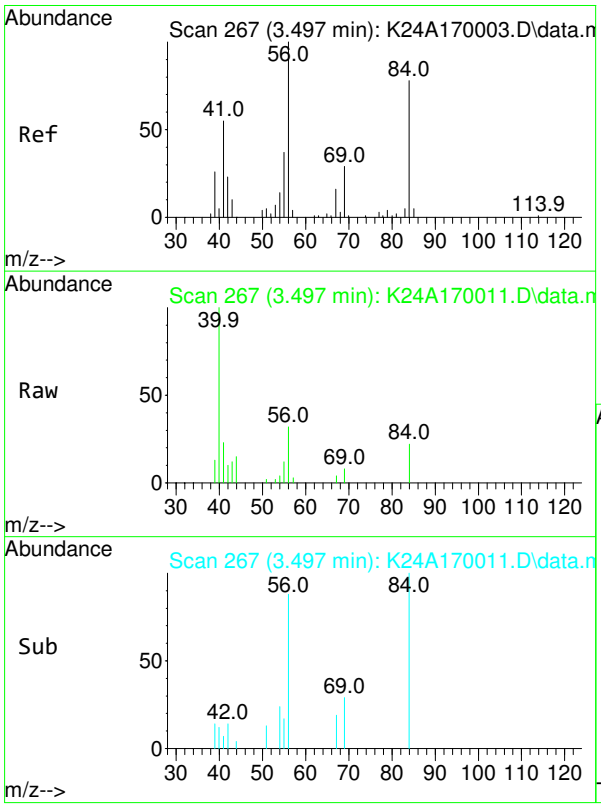


#33
CARBON TETRACHLORIDE
Concen: 0.08 PPBV
RT: 3.452 min Scan# 261
Delta R.T. 0.001 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion:117 Resp: 1214

Ion	Ratio	Lower	Upper
117	100		
119	92.3	75.9	115.9

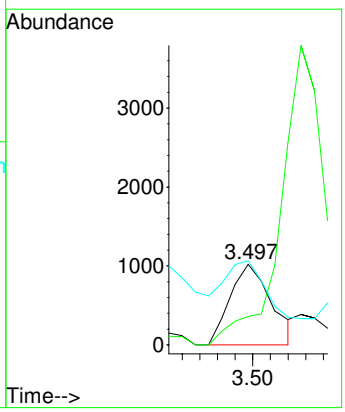


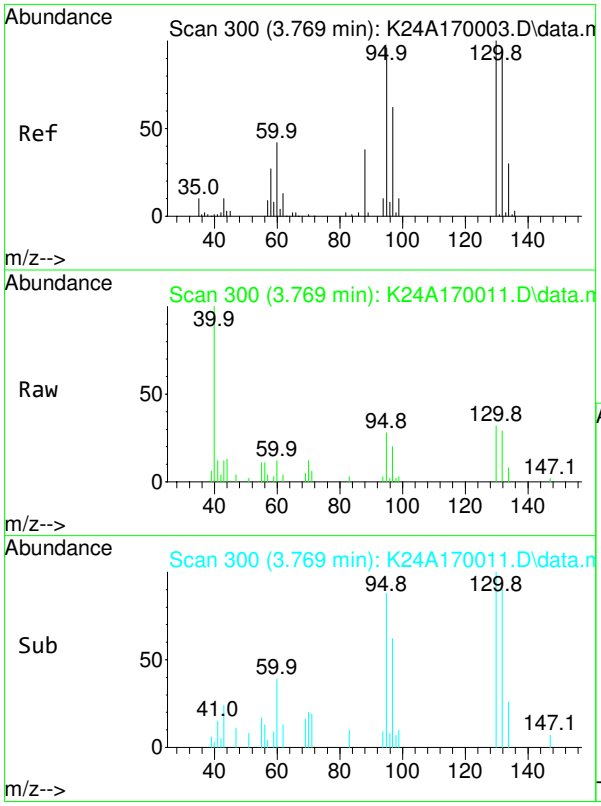


#34
CYCLOHEXANE
Concen: 0.17 PPBV
RT: 3.497 min Scan# 267
Delta R.T. -0.002 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion: 84 Resp: 1655

Ion	Ratio	Lower	Upper
84	100		
69	0.0	17.9	57.9#
41	68.6	57.0	97.0

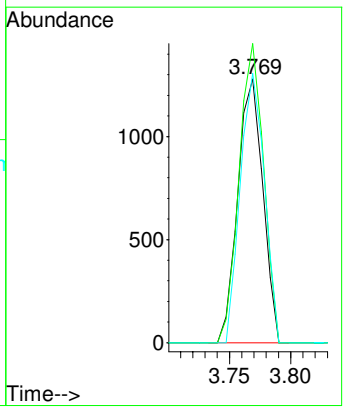


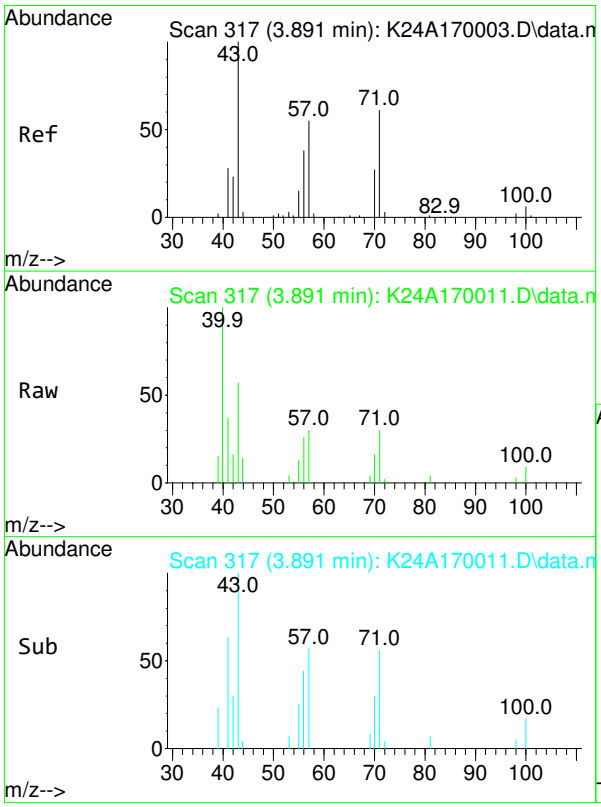


#37
TRICHLOROETHENE
Concen: 0.17 PPBV
RT: 3.769 min Scan# 300
Delta R.T. 0.002 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion: 95 Resp: 1824

Ion	Ratio	Lower	Upper
95	100		
130	111.0	65.4	105.4#
132	98.1	61.7	101.7

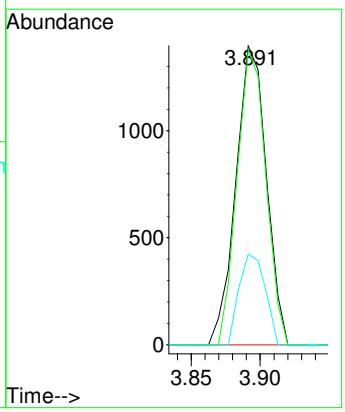


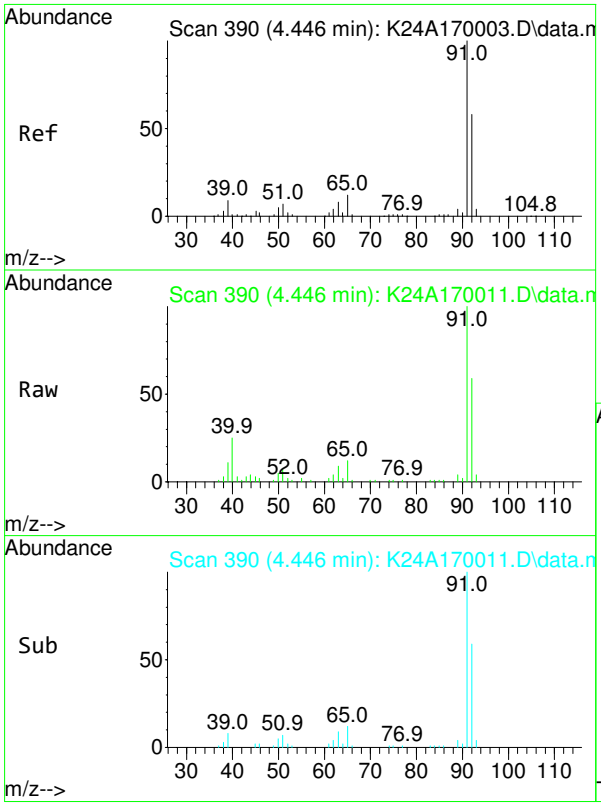


#40
HEPTANE
Concen: 0.27 PPBV
RT: 3.891 min Scan# 317
Delta R.T. -0.004 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion: 57 Resp: 2153

Ion	Ratio	Lower	Upper
57	100		
71	92.9	86.0	126.0
100	25.9	8.8	48.8

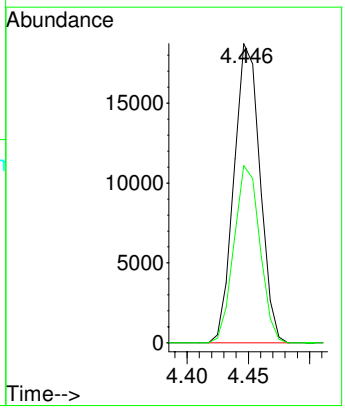


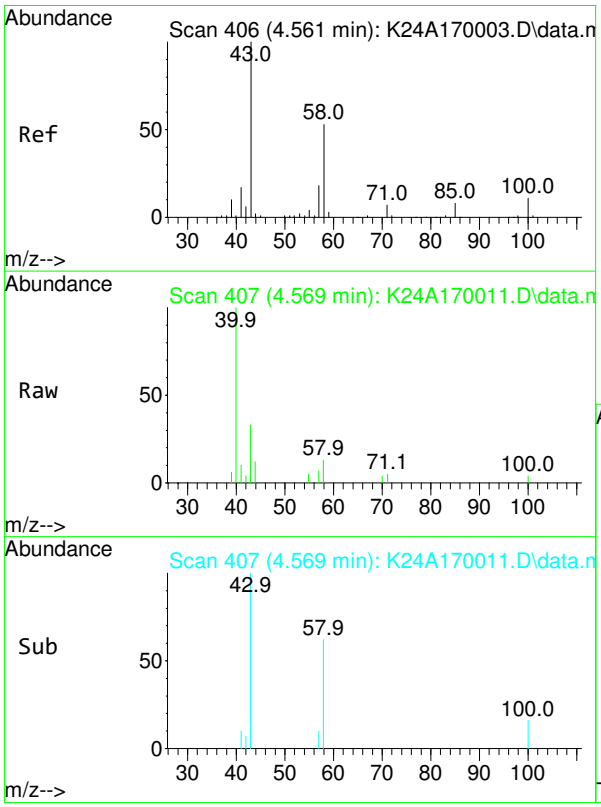


#46
TOLUENE
Concen: 1.03 PPBV
RT: 4.446 min Scan# 390
Delta R.T. -0.005 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion: 91 Resp: 27728

Ion	Ratio	Lower	Upper
91	100		
92	58.8	39.3	79.3

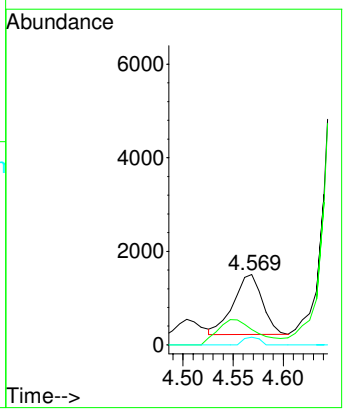


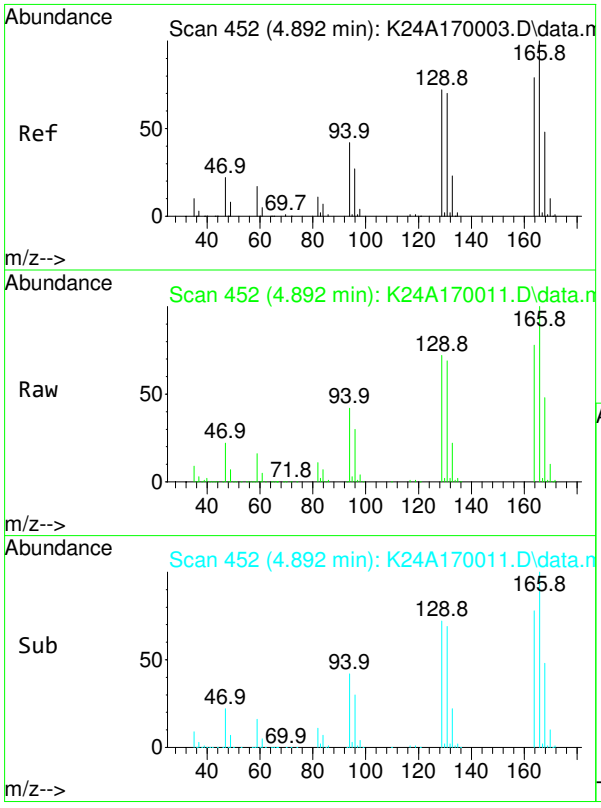


#47
2-HEXANONE(MBK)
Concen: 0.17 PPBV
RT: 4.569 min Scan# 407
Delta R.T. 0.005 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion: 43 Resp: 2587

Ion	Ratio	Lower	Upper
43	100		
57	56.8	0.0	37.8#
100	7.2	0.0	19.0

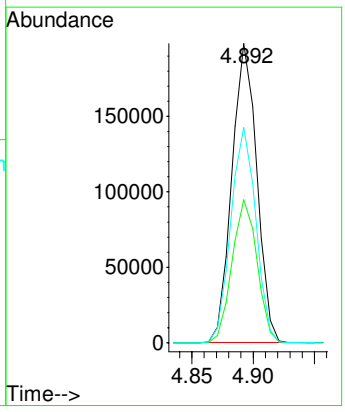


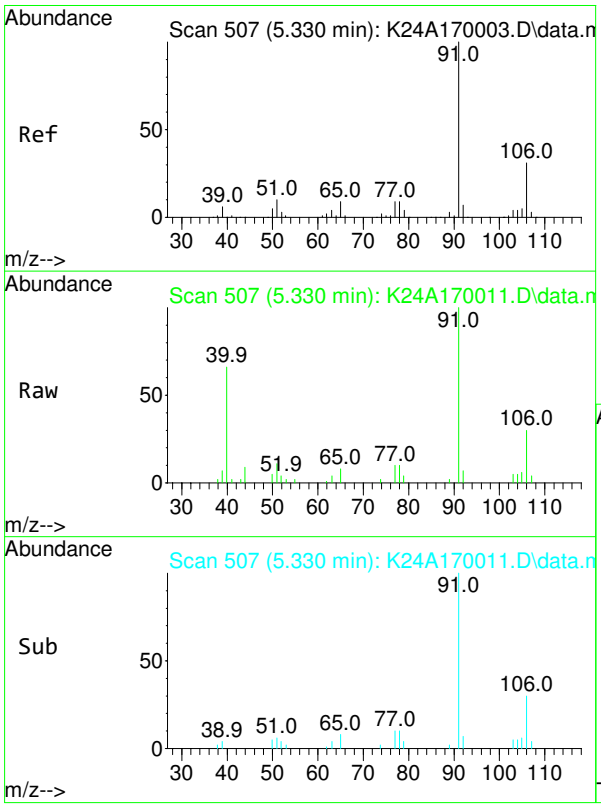


#50
TETRACHLOROETHENE
Concen: 25.18 PPBV
RT: 4.892 min Scan# 452
Delta R.T. 0.001 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion:166 Resp: 280150

Ion	Ratio	Lower	Upper
166	100		
168	47.8	27.6	67.6
129	72.0	63.9	103.9

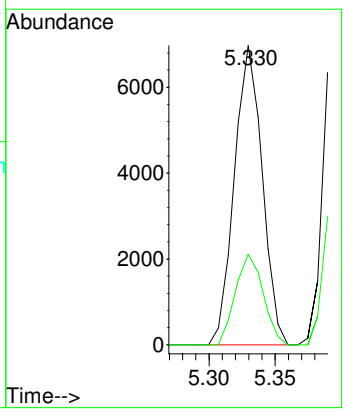


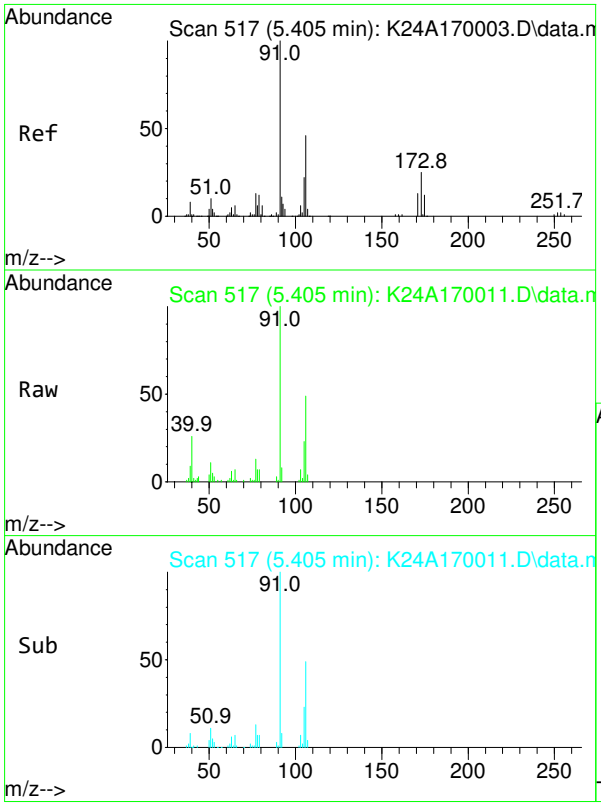


#52
ETHYLBENZENE
Concen: 0.30 PPBV
RT: 5.330 min Scan# 507
Delta R.T. -0.000 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion: 91 Resp: 10218

Ion	Ratio	Lower	Upper
91	100		
106	30.1	8.7	48.7

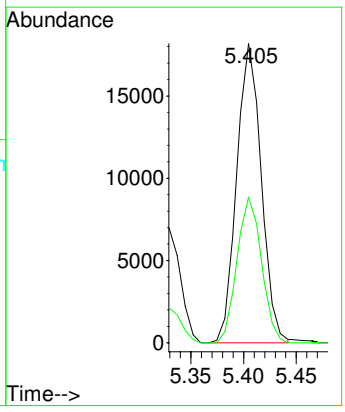


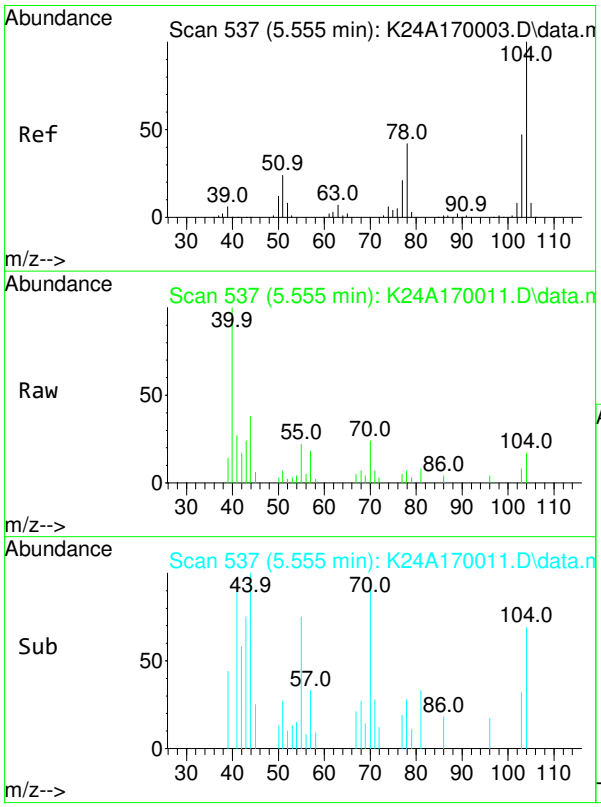


#53
M/P-XYLENE
Concen: 1.07 PPBV m
RT: 5.405 min Scan# 517
Delta R.T. -0.004 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion: 91 Resp: 29412

Ion	Ratio	Lower	Upper
91	100		
106	47.4	24.2	64.2

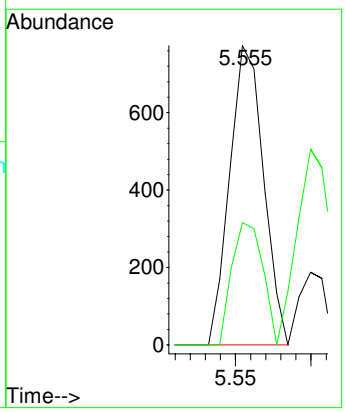


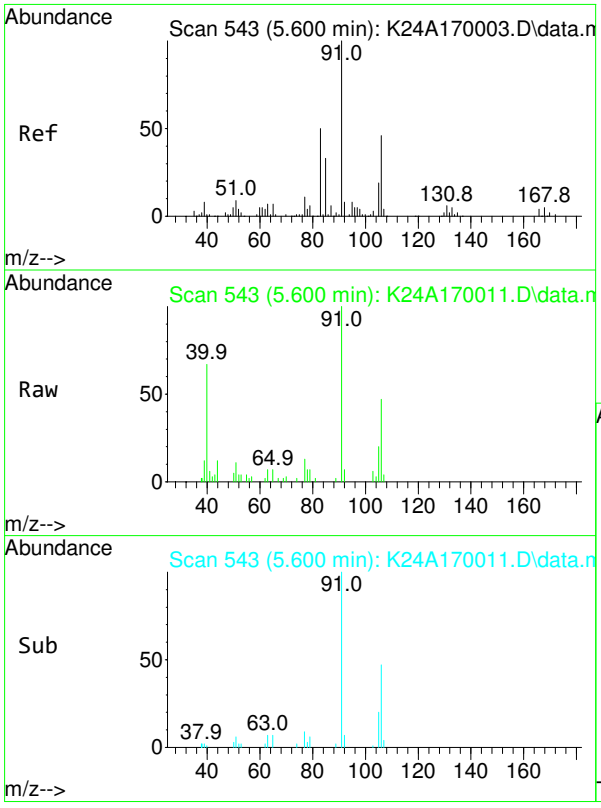


#55
STYRENE
Concen: 0.07 PPBV
RT: 5.555 min Scan# 537
Delta R.T. -0.003 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion:104 Resp: 1202

Ion	Ratio	Lower	Upper
104	100		
78	37.1	27.9	67.9

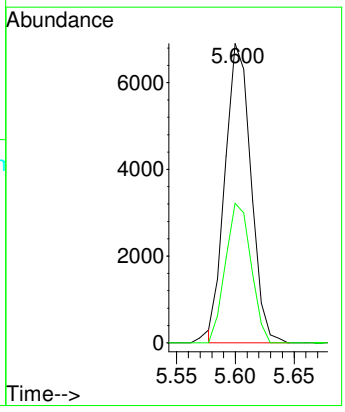


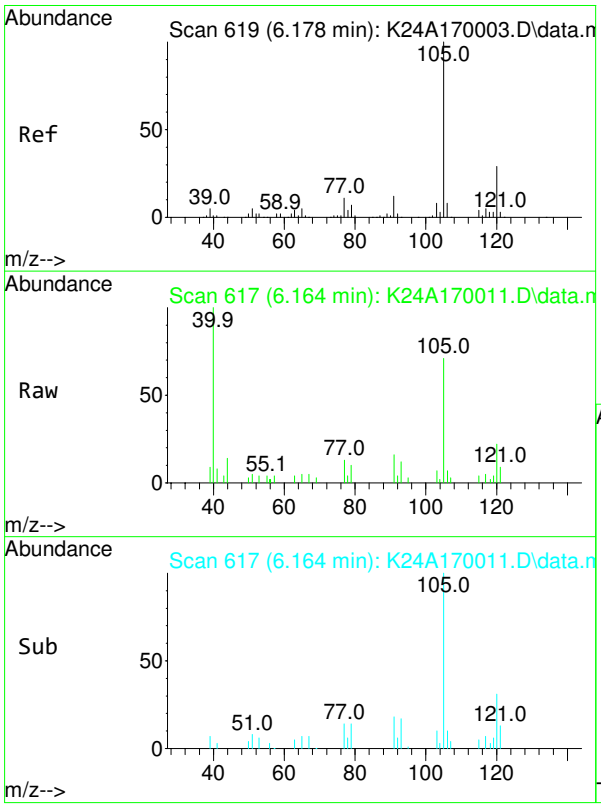


#56
O-XYLENE
Concen: 0.40 PPBV
RT: 5.600 min Scan# 543
Delta R.T. -0.006 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion: 91 Resp: 10560

Ion	Ratio	Lower	Upper
91	100		
106	46.1	23.5	63.5

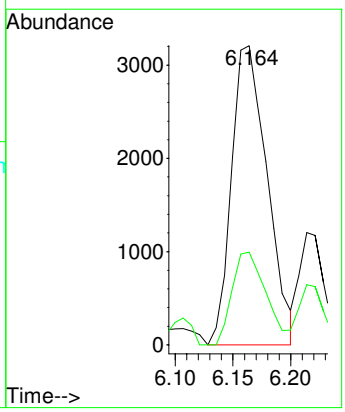


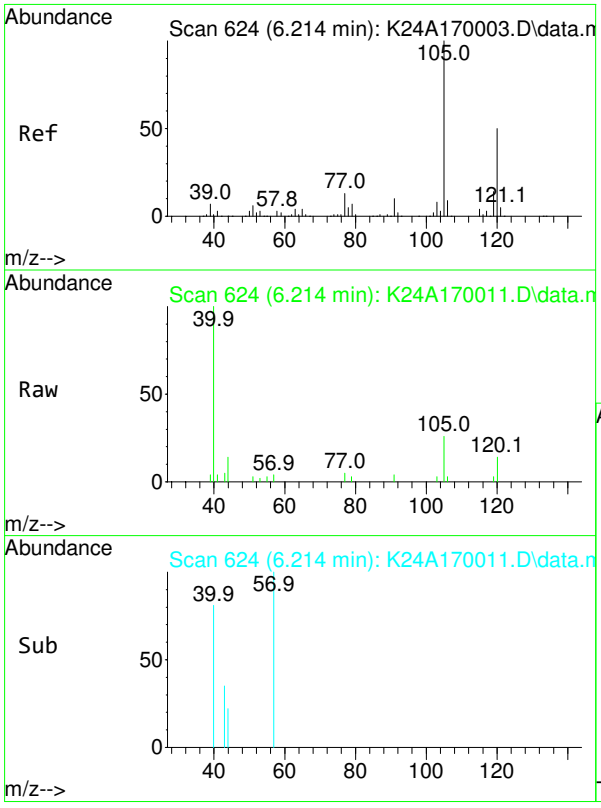


#59
4-ETHYLTOLUENE
Concen: 0.20 PPBV m
RT: 6.164 min Scan# 617
Delta R.T. -0.017 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion:105 Resp: 6882

Ion	Ratio	Lower	Upper
105	100		
120	18.1	7.3	47.3

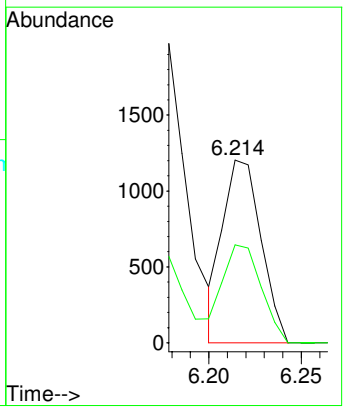


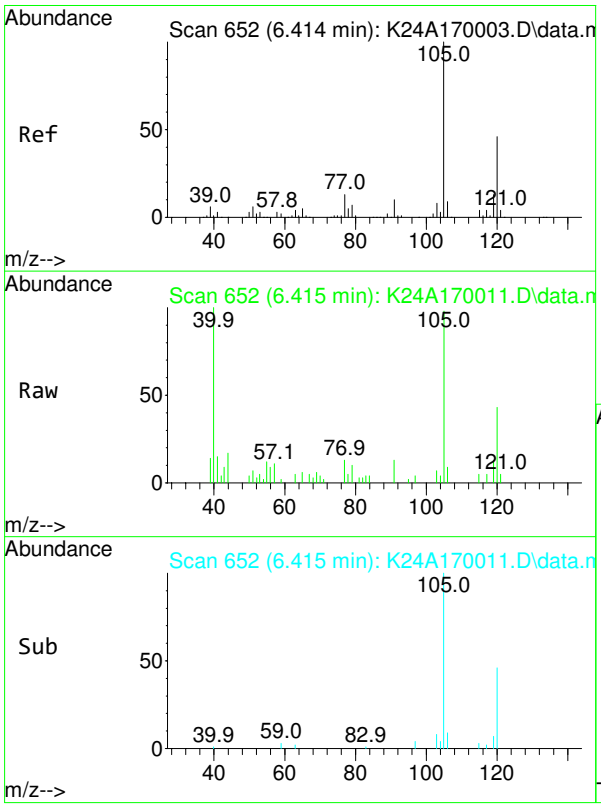


#60
1,3,5-TRIMETHYLBENZENE
Concen: 0.07 PPBV
RT: 6.214 min Scan# 624
Delta R.T. -0.003 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion:105 Resp: 1733

Ion	Ratio	Lower	Upper
105	100		
120	57.5	26.9	66.9

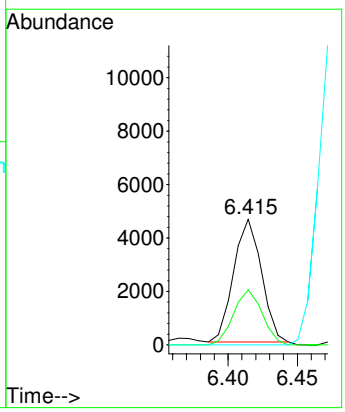


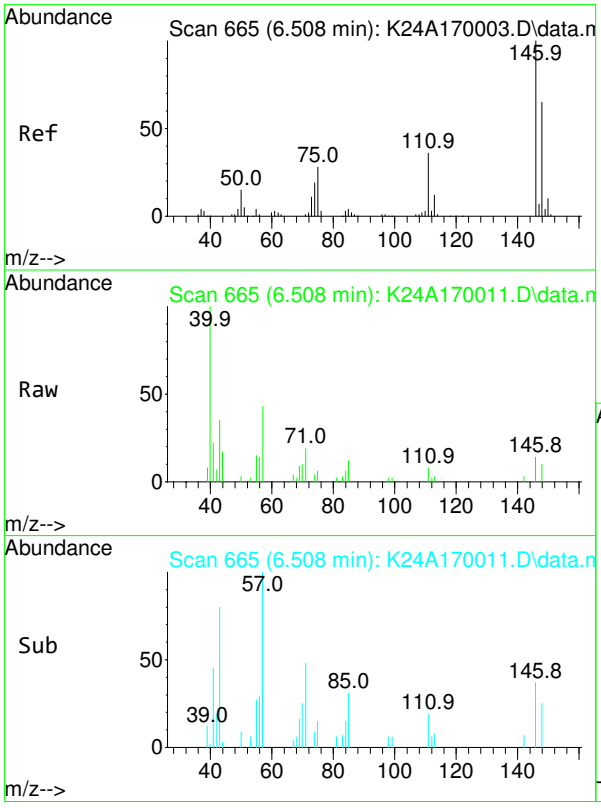


#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.24 PPBV
RT: 6.415 min Scan# 652
Delta R.T. -0.002 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion:105 Resp: 6422

Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.6	63.6
281	0.0	0.0	20.0

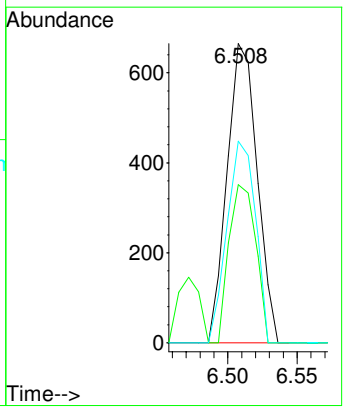


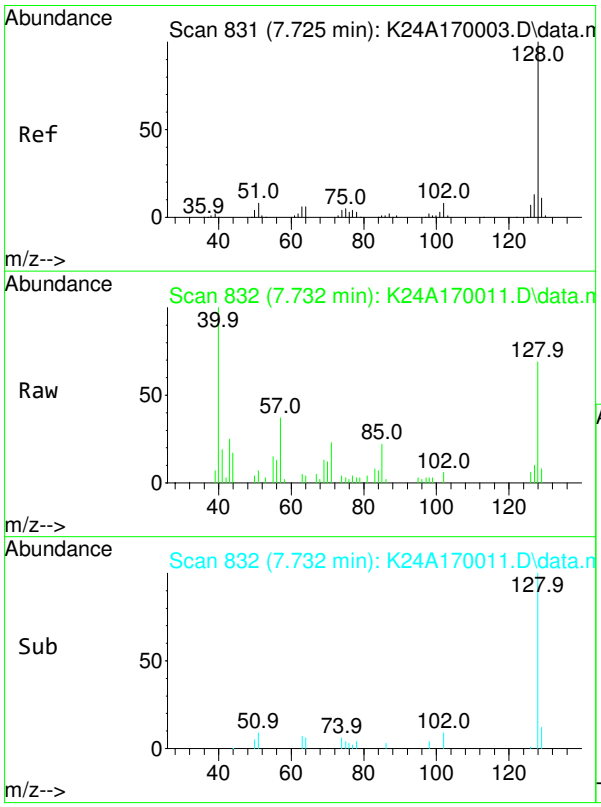


#64
1,4-DICHLOROBENZENE
Concen: 0.07 PPBV
RT: 6.508 min Scan# 665
Delta R.T. -0.000 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion:146 Resp: 1003

Ion	Ratio	Lower	Upper
146	100		
111	47.1	24.6	64.6
148	63.8	43.6	83.6

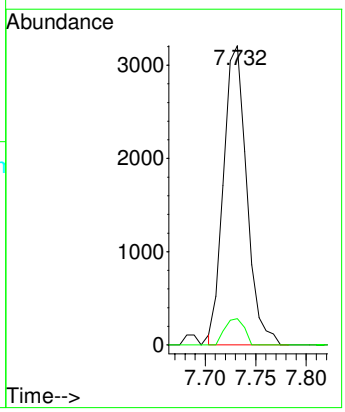


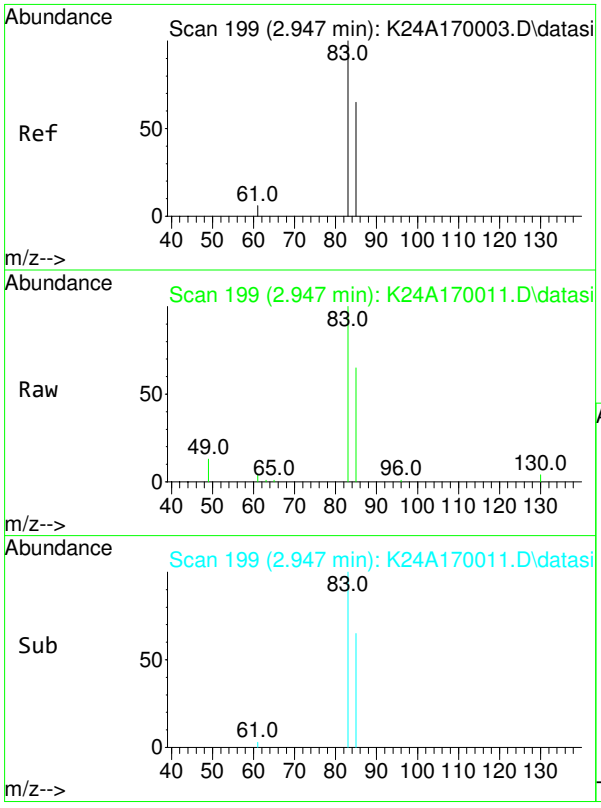


#67
NAPHTHALENE
Concen: 0.26 PPBV
RT: 7.732 min Scan# 832
Delta R.T. 0.004 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion:128 Resp: 5136

Ion	Ratio	Lower	Upper
128	100		
102	7.3	7.4	11.2#

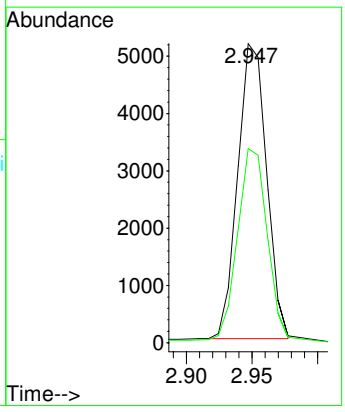


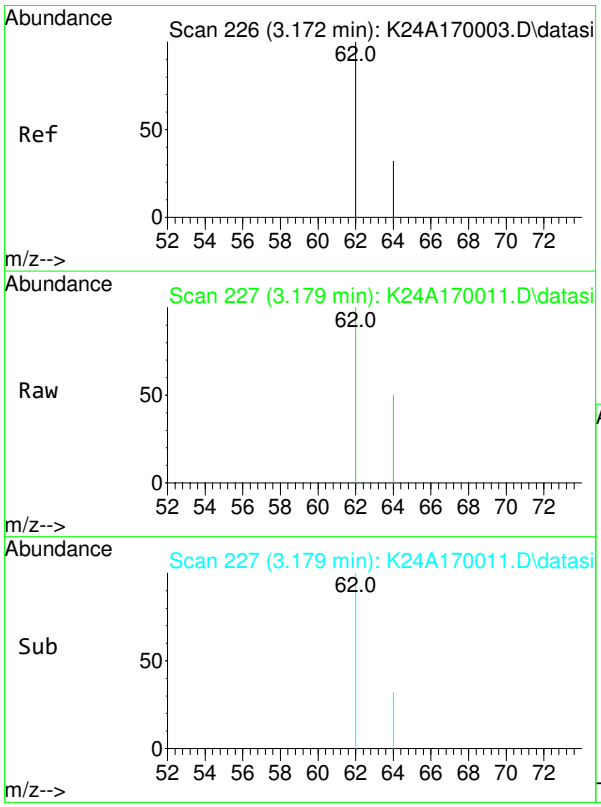


#75
CHLOROFORM (SIM)
Concen: 0.55 PPBV
RT: 2.947 min Scan# 199
Delta R.T. 0.004 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion: 83 Resp: 7885

Ion	Ratio	Lower	Upper
83	100		
85	66.0	43.9	83.9

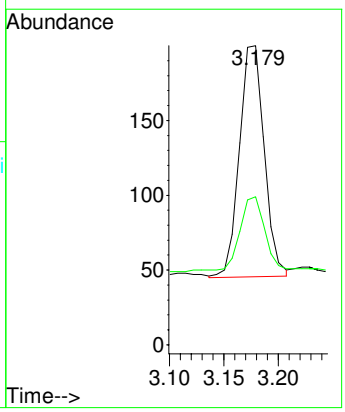


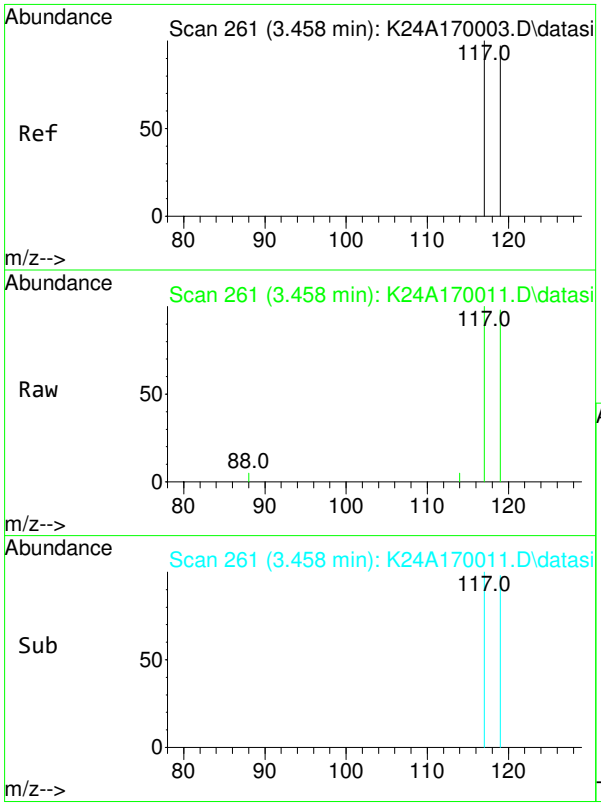


#76
1,2-DICHLOROETHANE (SIM)
Concen: 0.02 PPBV m
RT: 3.179 min Scan# 227
Delta R.T. 0.010 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion: 62 Resp: 245

Ion	Ratio	Lower	Upper
62	100		
64	30.2	12.1	52.1

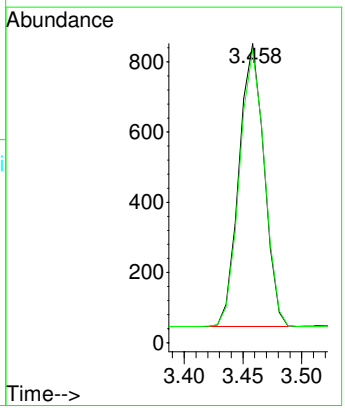


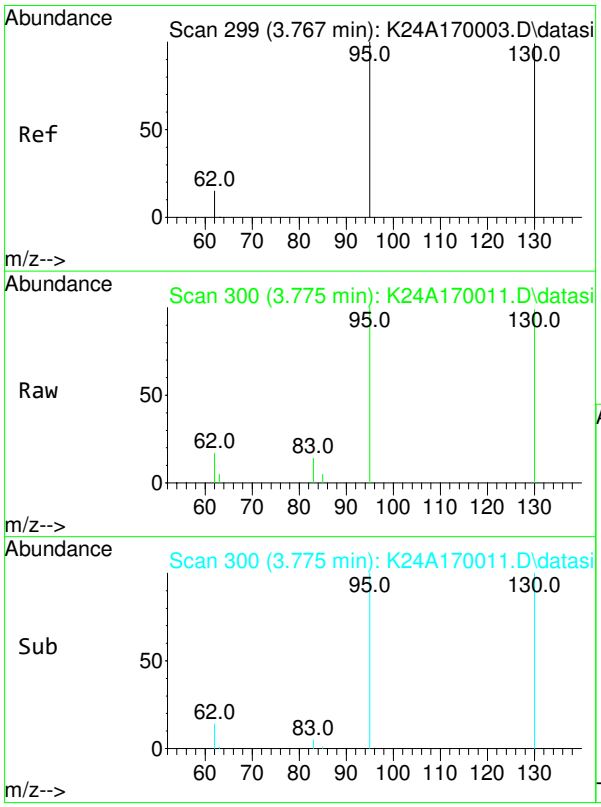


#78
CARBON TETRACHLORIDE (SIM)
Concen: 0.08 PPBV
RT: 3.458 min Scan# 261
Delta R.T. 0.004 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion:117 Resp: 1195

Ion	Ratio	Lower	Upper
117	100		
119	97.5	75.8	115.8

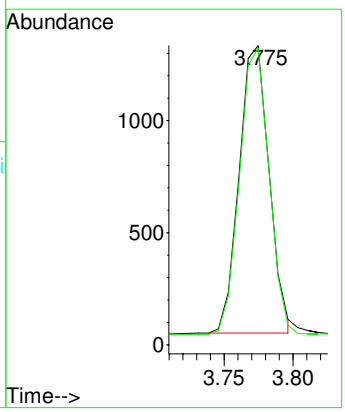


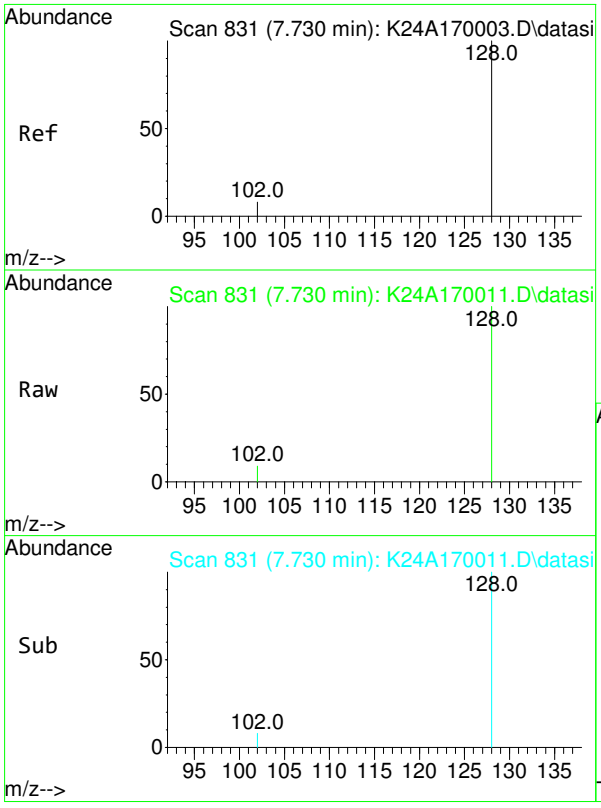


#81
TRICHLOROETHENE (SIM)
Concen: 0.17 PPBV
RT: 3.775 min Scan# 300
Delta R.T. 0.005 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion: 95 Resp: 1930

Ion	Ratio	Lower	Upper
95	100		
130	98.3	66.1	106.1

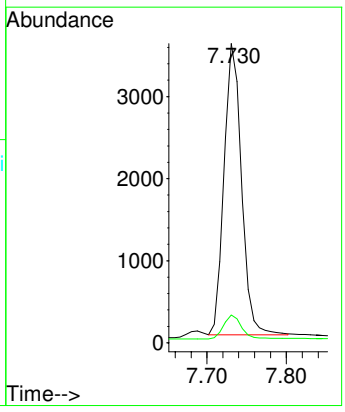




#89
NAPHTHALENE (SIM)
Concen: 0.25 PPBV
RT: 7.730 min Scan# 831
Delta R.T. -0.001 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion:128 Resp: 5424

Ion	Ratio	Lower	Upper
128	100		
102	8.3	0.0	29.2



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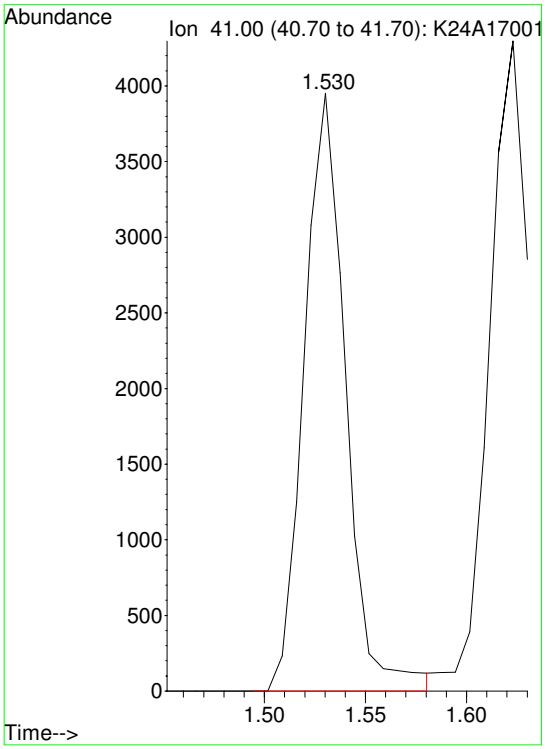
Data File : K24A170011.D
Acq On : 18 Jun 2024 03:27 pm
Operator : CMR
Sample : 24F1161-02 0.8X
Misc : 2,1,200,500,0.8X

Quant Time : Wed Jun 19 11:13:12 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
PROPENE



Original Int. Results

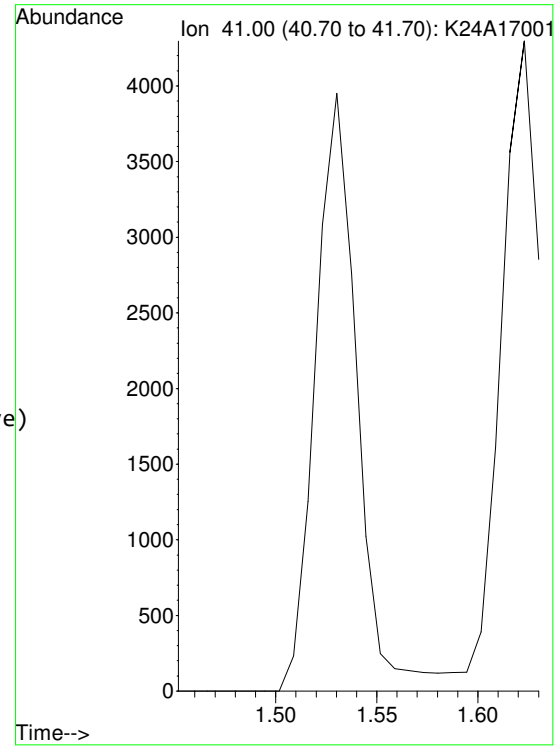
RT : 1.53
Area : 5593
Amount: 1.41174

Manual Int. Results

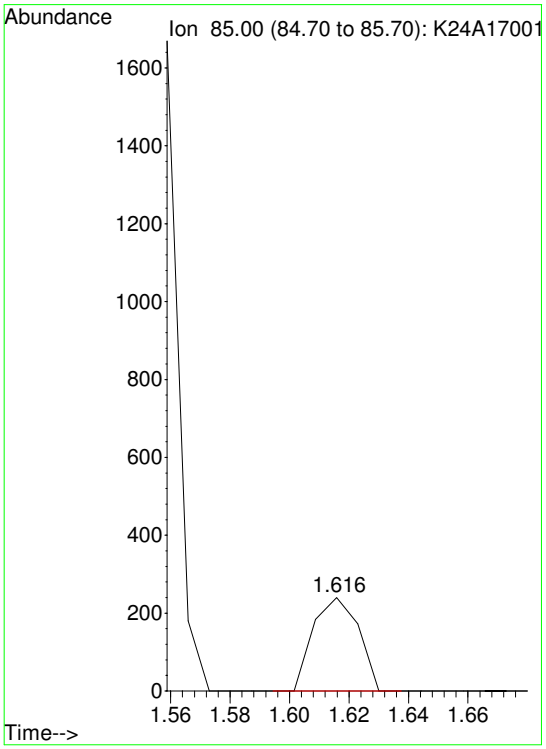
Wed Jun 19 11:11:37 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
FREON 114



Original Int. Results

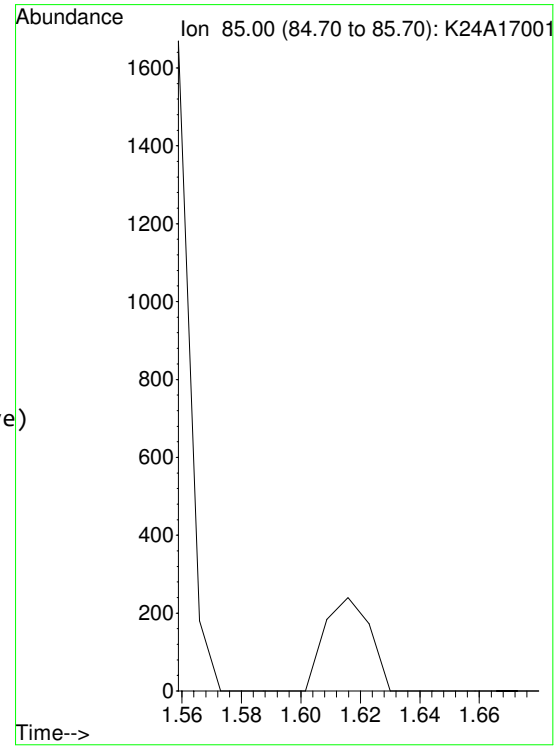
RT : 1.62
Area : 255
Amount: 0.0144811

Manual Int. Results

Wed Jun 19 11:11:41 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

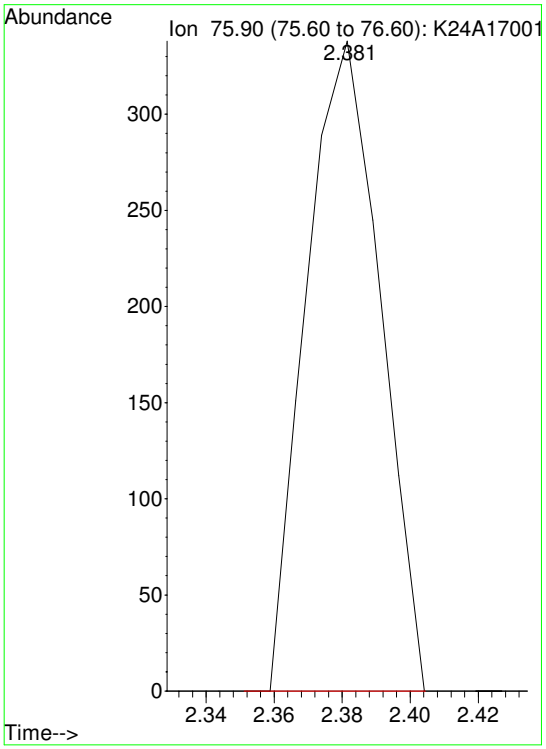
Manual Integration
FREON 114



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170011.D
Acq On : 18 Jun 2024 03:27 pm
Operator : CMR
Sample : 24F1161-02 0.8X
Misc : 2,1,200,500,0.8X

Quant Time : Wed Jun 19 11:13:12 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
CARBON DISULFIDE



Original Int. Results

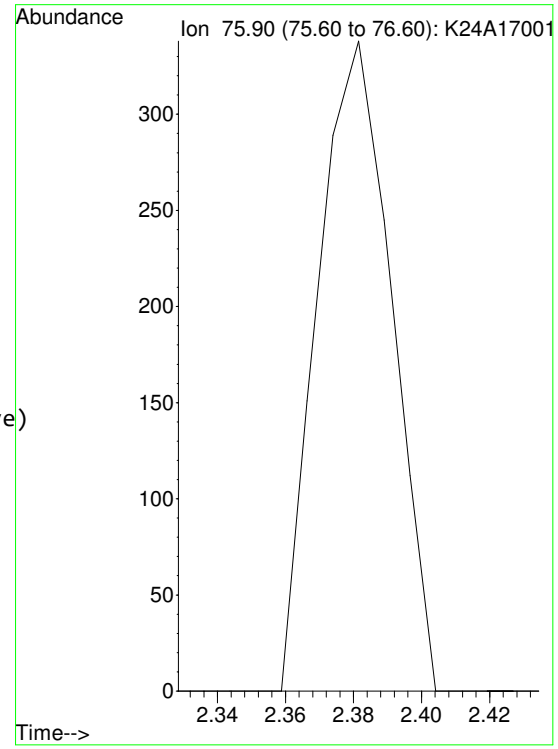
RT : 2.38
Area : 515
Amount: 0.0278357

Manual Int. Results

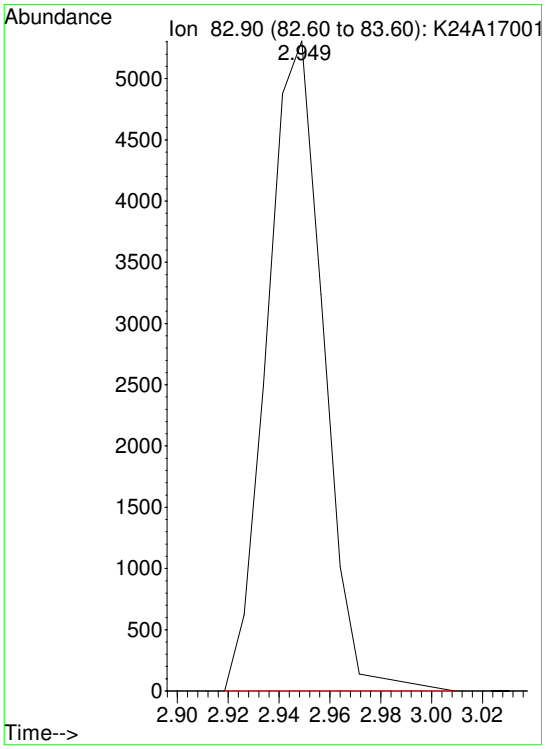
Wed Jun 19 11:11:48 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON DISULFIDE



Original Integration
CHLOROFORM



Original Int. Results

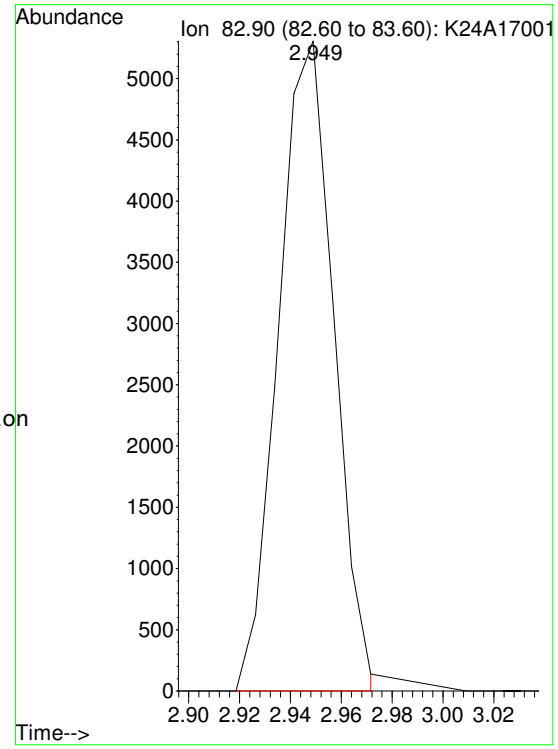
RT : 2.95
Area : 12002
Amount: 0.797359

Manual Int. Results

Wed Jun 19 11:12:03 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 2.95
Area : 8025
Amount: 0.533145

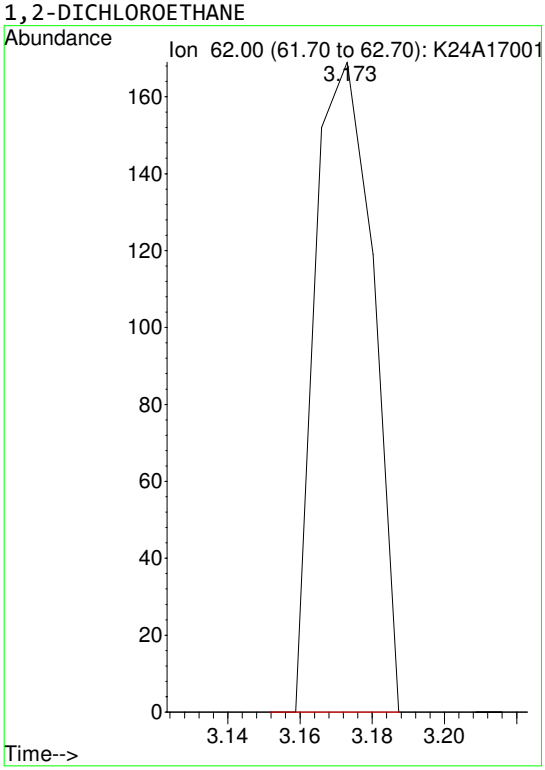
Manual Integration
CHLOROFORM



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170011.D
Acq On : 18 Jun 2024 03:27 pm
Operator : CMR
Sample : 24F1161-02 0.8X
Misc : 2,1,200,500,0.8X

Quant Time : Wed Jun 19 11:13:12 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
1,2-DICHLOROETHANE



Original Int. Results

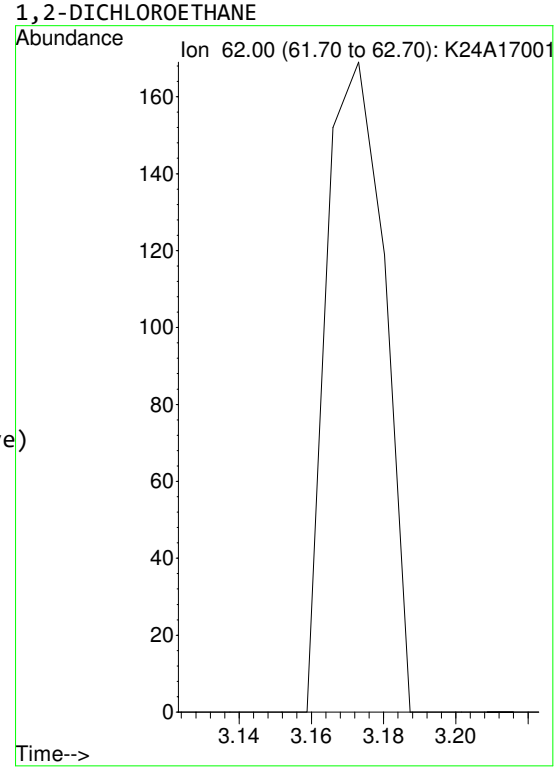
RT : 3.17
Area : 188
Amount: 0.0177439

Manual Int. Results

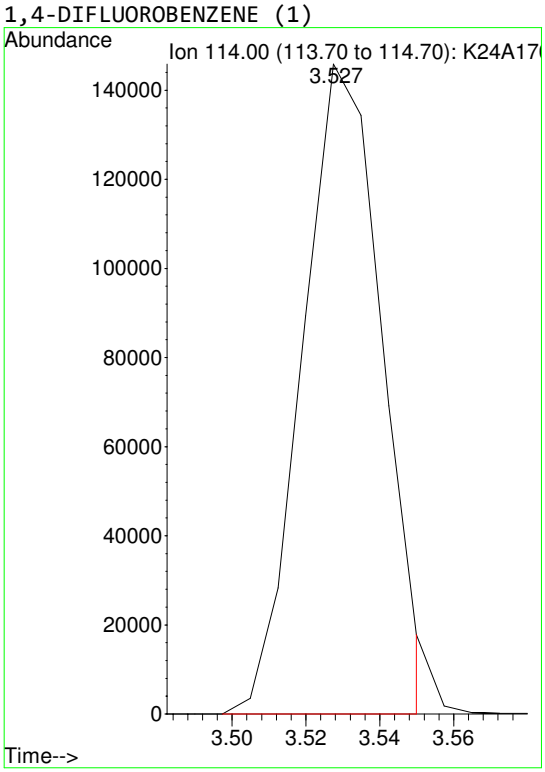
Wed Jun 19 11:12:08 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,2-DICHLOROETHANE



Original Integration
1,4-DIFLUOROBENZENE (1)



Original Int. Results

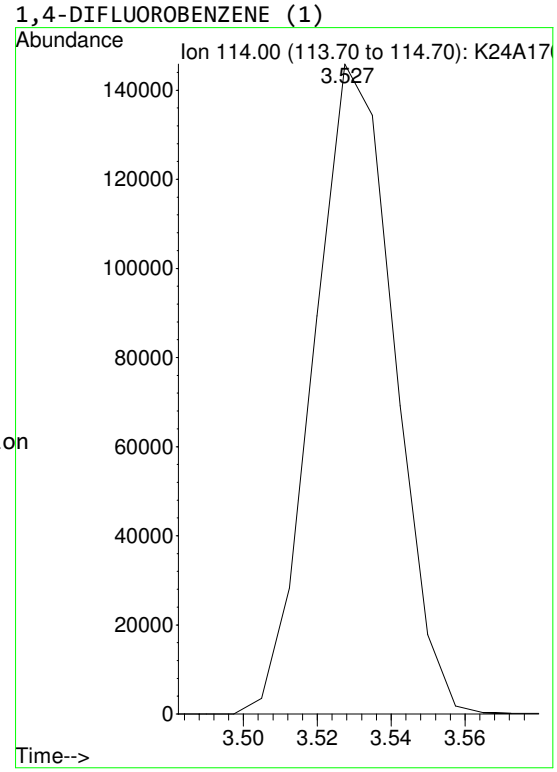
RT : 3.53
Area : 219758
Amount: 8

Manual Int. Results

Wed Jun 19 11:12:11 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 3.53
Area : 220909
Amount: 8

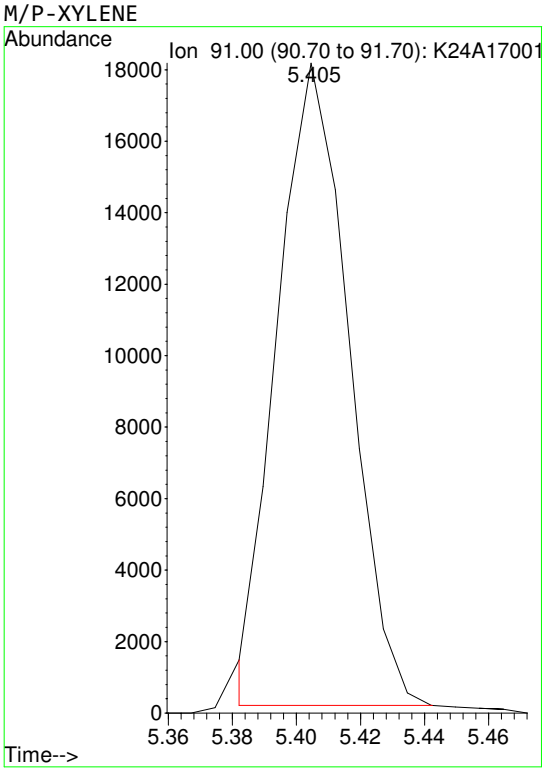
Manual Integration
1,4-DIFLUOROBENZENE (1)



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170011.D
Acq On : 18 Jun 2024 03:27 pm
Operator : CMR
Sample : 24F1161-02 0.8X
Misc : 2,1,200,500,0.8X

Quant Time : Wed Jun 19 11:13:12 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
M/P-XYLENE



Original Int. Results

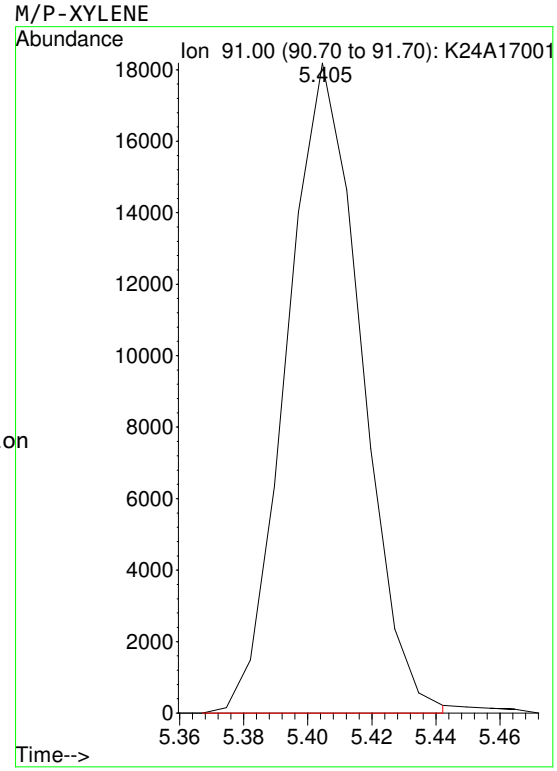
RT : 5.40
Area : 27891
Amount: 1.01803

Manual Int. Results

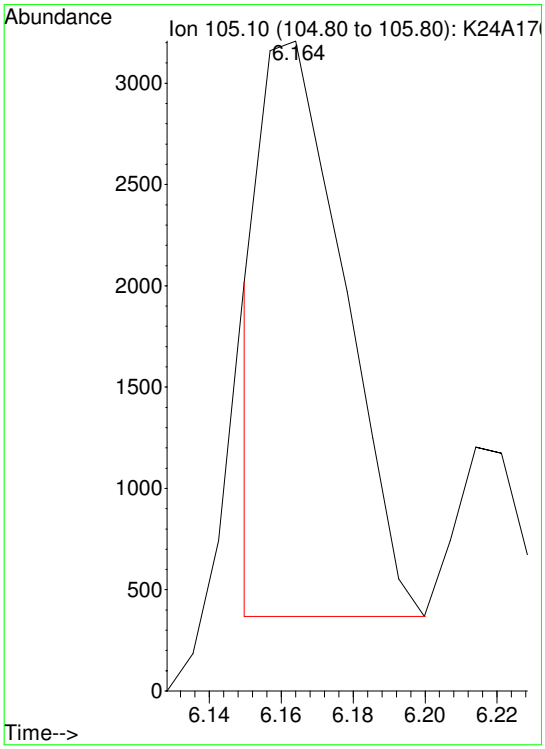
Wed Jun 19 11:12:34 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 5.40
Area : 29412
Amount: 1.07355

Manual Integration
M/P-XYLENE



Original Integration
4-ETHYLTOLUENE



Original Int. Results

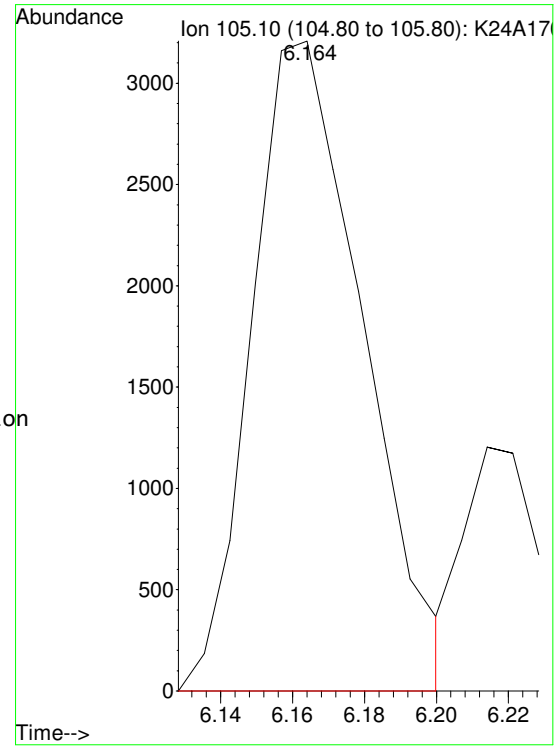
RT : 6.16
Area : 4512
Amount: 0.132311

Manual Int. Results

Wed Jun 19 11:12:42 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 6.16
Area : 6882
Amount: 0.201809

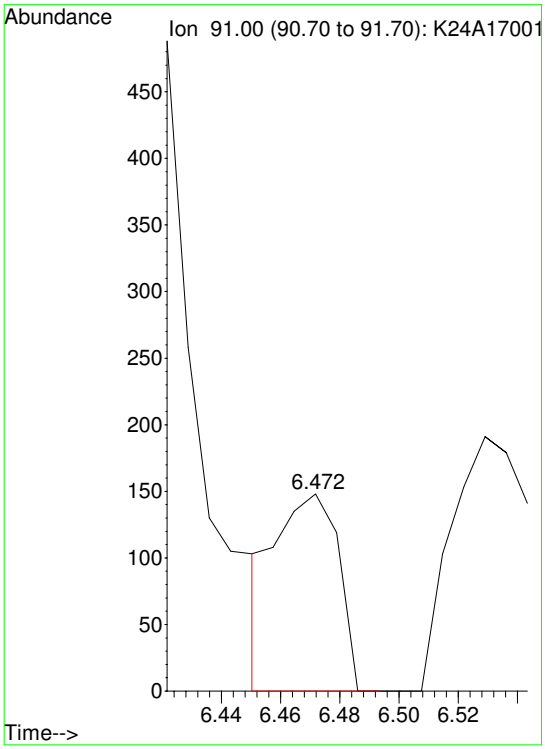
Manual Integration
4-ETHYLTOLUENE



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170011.D
Acq On : 18 Jun 2024 03:27 pm
Operator : CMR
Sample : 24F1161-02 0.8X
Misc : 2,1,200,500,0.8X

Quant Time : Wed Jun 19 11:13:12 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
BENZYL CHLORIDE



Original Int. Results

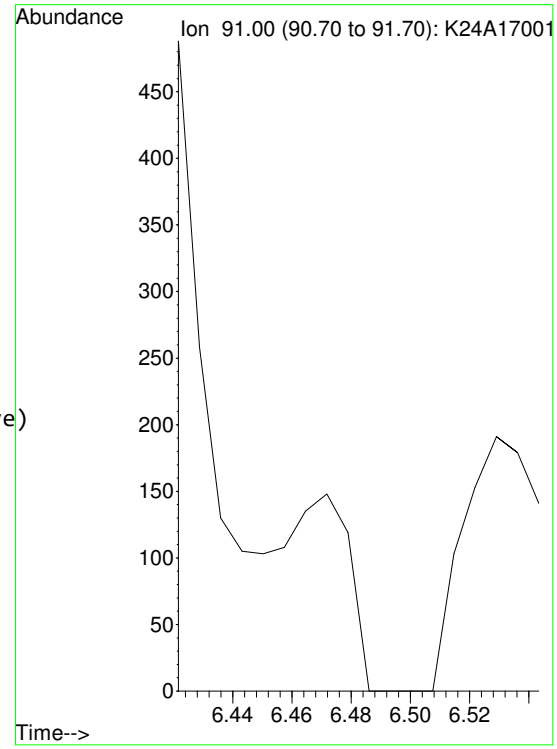
RT : 6.47
Area : 219
Amount: 0.0638593

Manual Int. Results

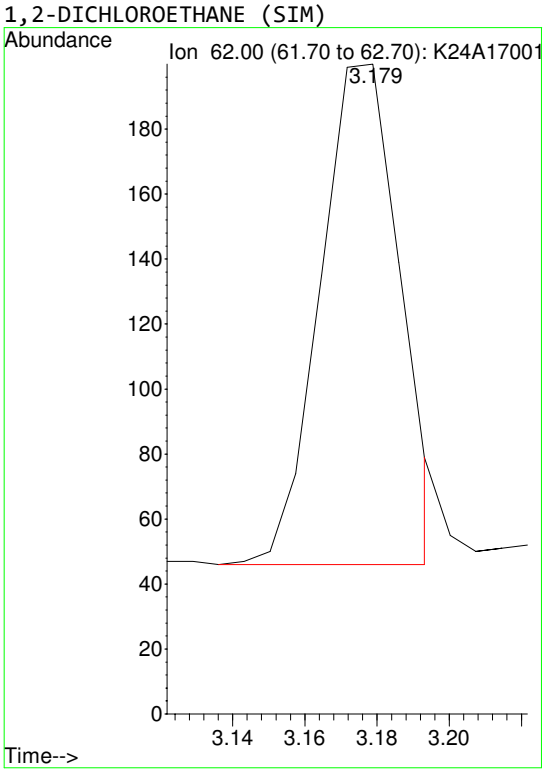
Wed Jun 19 11:12:47 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BENZYL CHLORIDE



Original Integration
1,2-DICHLOROETHANE (SIM)



Original Int. Results

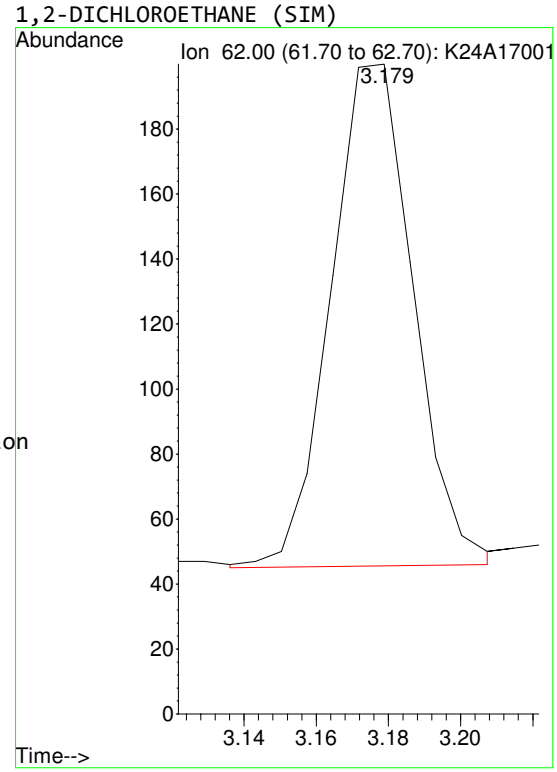
RT : 3.18
Area : 237
Amount: 0.0201315

Manual Int. Results

Wed Jun 19 11:13:00 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 3.18
Area : 245
Amount: 0.0208111

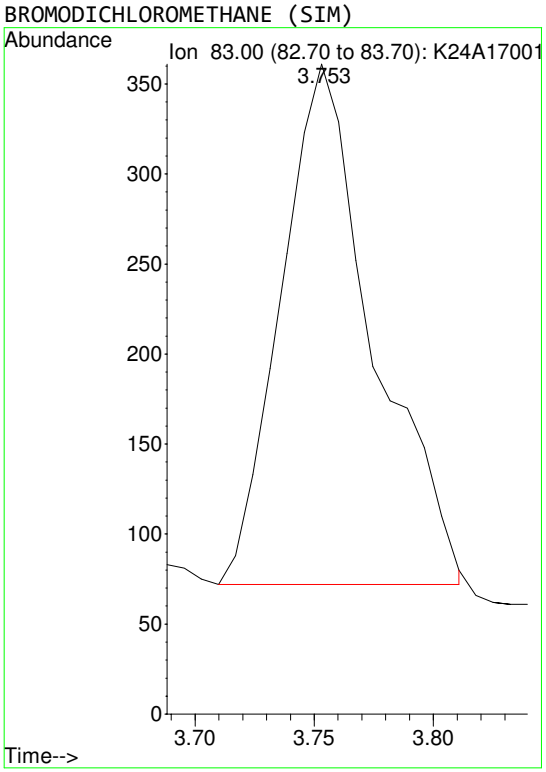
Manual Integration
1,2-DICHLOROETHANE (SIM)



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170011.D
Acq On : 18 Jun 2024 03:27 pm
Operator : CMR
Sample : 24F1161-02 0.8X
Misc : 2,1,200,500,0.8X

Quant Time : Wed Jun 19 11:13:12 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
BROMODICHLOROMETHANE (SIM)



Original Int. Results

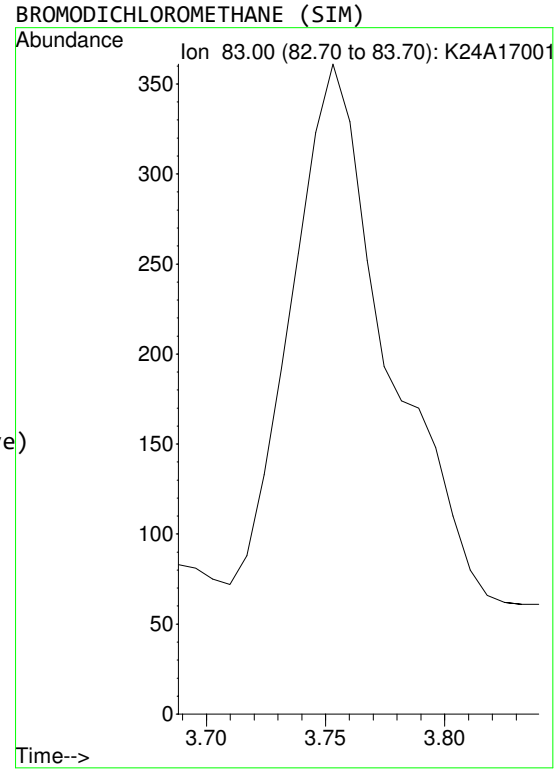
RT : 3.75
Area : 778
Amount: 0.0403658

Manual Int. Results

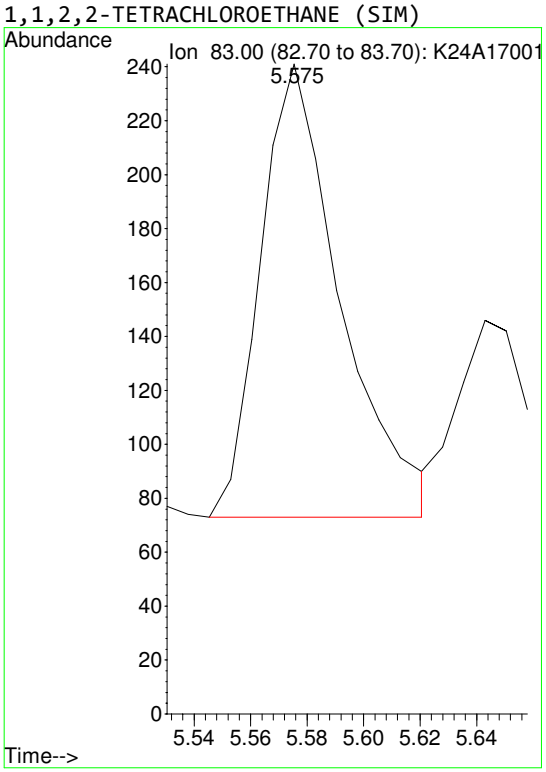
Wed Jun 19 11:13:07 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMODICHLOROMETHANE (SIM)



Original Integration
1,1,2,2-TETRACHLOROETHANE (SIM)



Original Int. Results

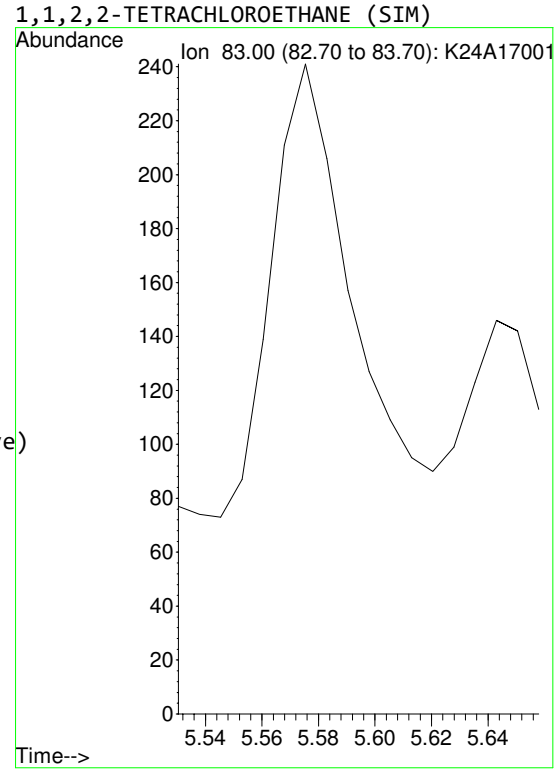
RT : 5.58
Area : 329
Amount: 0.0149536

Manual Int. Results

Wed Jun 19 11:13:11 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,1,2,2-TETRACHLOROETHANE (SIM)



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170011.D
Acq On : 18 Jun 2024 03:27 pm
Operator : CMR
Sample : 24F1161-02 0.8X Inst : SYSK
Misc : 2,1,200,500,0.8X
ALS Vial : 9 Sample Multiplier: 1
InstName : SYSK

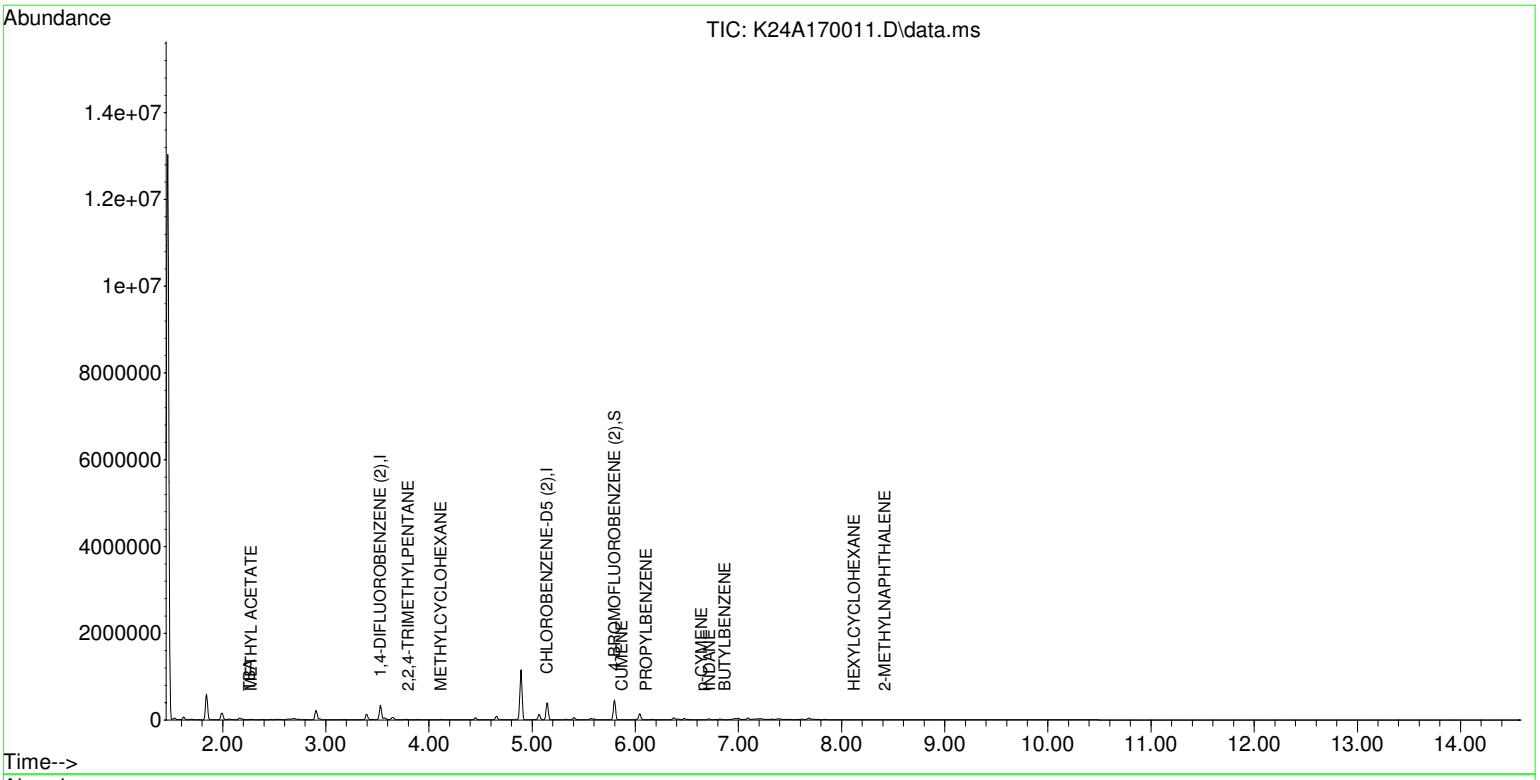
Quant Time: Jun 19 11:55:56 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX051524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed May 15 09:37:36 2024
Response via : Initial Calibration

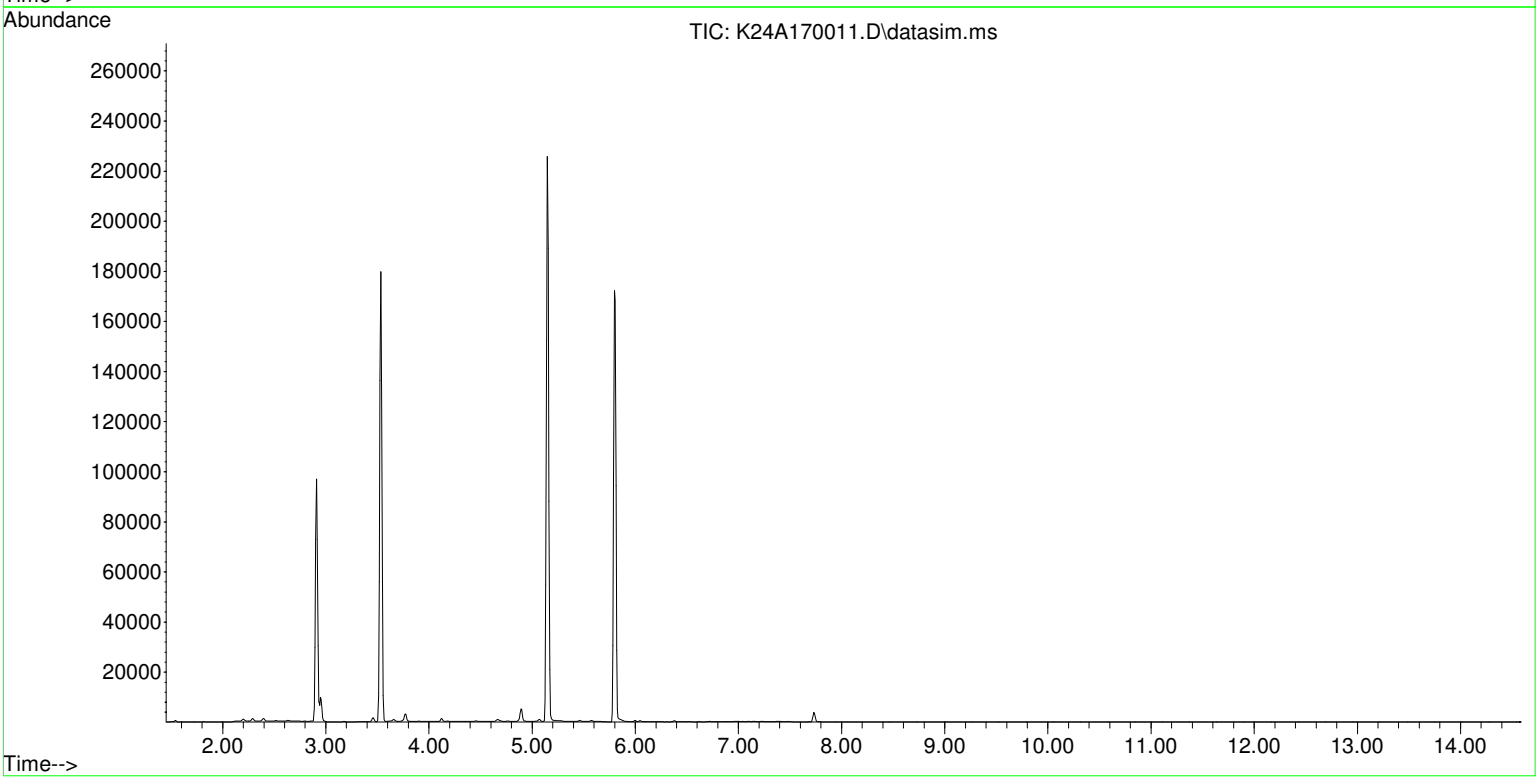
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-DIFLUOROBENZENE (2)	3.527	114	220756	8.000	PPBV		0.00
7) CHLOROBENZENE-D5 (2)	5.142	54	43097	8.000	PPBV		0.00
System Monitoring Compounds							
10) 4-BROMOFLUOROBENZENE (2)	5.799	174	118421	10.075	PPBV		0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 126.00%				
Target Compounds							Qvalue
3) METHYL ACETATE	2.276	43	3556	0.182	PPBV		87
4) TBA	2.260	59	3448	0.152	PPBV		69
5) 2,2,4-TRIMETHYLPENTANE	3.798	57	3564	0.065	PPBV	#	51
6) METHYLCYCLOHEXANE	4.115	83	1591	0.080	PPBV		89
11) CUMENE	5.871	105	657	0.012	PPBV	#	51
12) PROPYLBENZENE	6.107	120	370	0.031	PPBV	#	91
15) p-CYMENE	6.644	119	2085	0.045	PPBV	#	62
16) INDANE	6.722	117	590	0.016	PPBV	#	76
18) BUTYLBENZENE	6.865	91	955	0.018	PPBV	#	45
20) HEXYLCYCLOHEXANE	8.125	83	396	0.015	PPBV	#	39
21) 2-METHYLNAPHTHALENE	8.417	142	164	0.011	UG/L	#	59

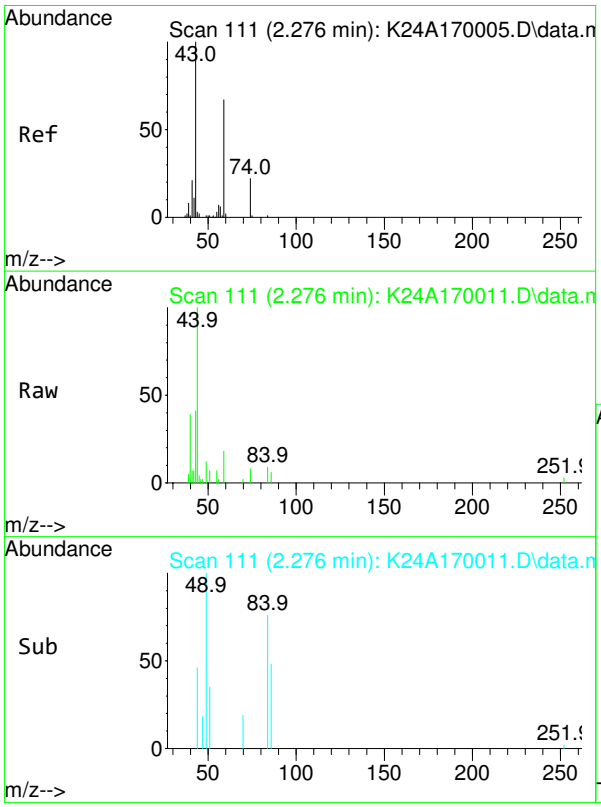
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170011.D
Acq On : 18 Jun 2024 03:27 pm
Operator : CMR
Sample : 24F1161-02 0.8X Inst : SYSK
Misc : 2,1,200,500,0.8X
ALS Vial : 9 Sample Multiplier: 1
InstName : SYSK

Quant Time: Jun 19 11:55:56 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX051524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed May 15 09:37:36 2024
Response via : Initial Calibration



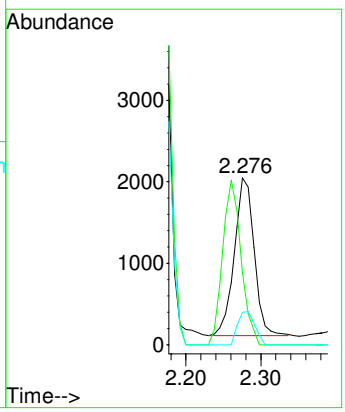


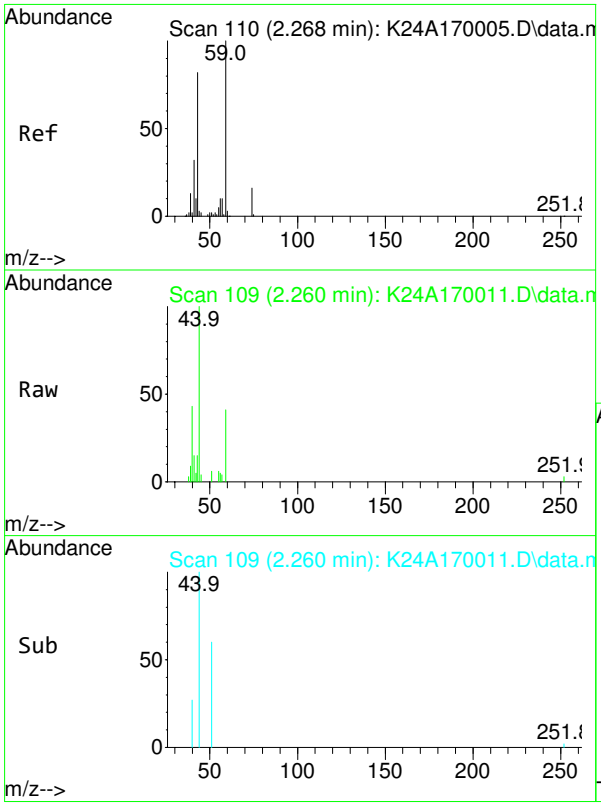


#3
METHYL ACETATE
Concen: 0.18 PPBV
RT: 2.276 min Scan# 111
Delta R.T. 0.007 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion: 43 Resp: 3556

Ion	Ratio	Lower	Upper
43	100		
59	97.0	91.3	131.3
74	18.3	0.0	33.8

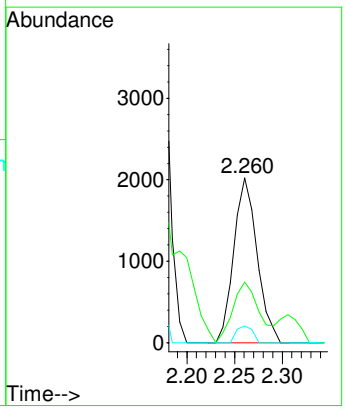


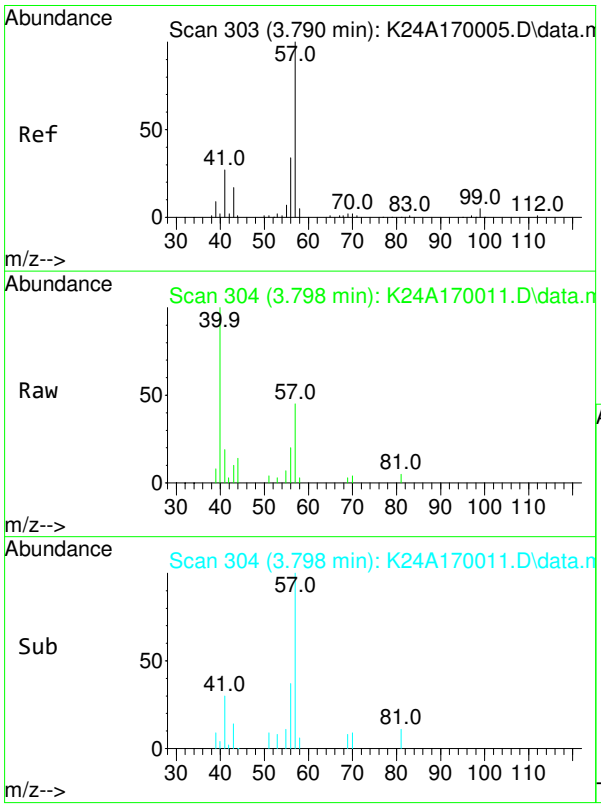


#4
TBA
Concen: 0.15 PPBV
RT: 2.260 min Scan# 109
Delta R.T. -0.000 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion: 59 Resp: 3448

Ion	Ratio	Lower	Upper
59	100		
41	42.1	2.2	42.2
57	7.1	0.0	30.9

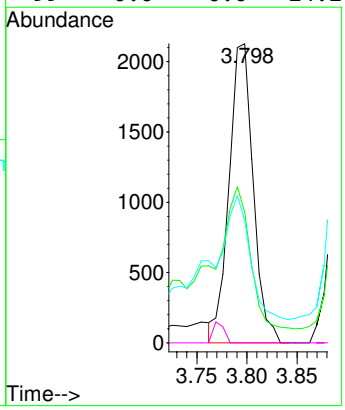


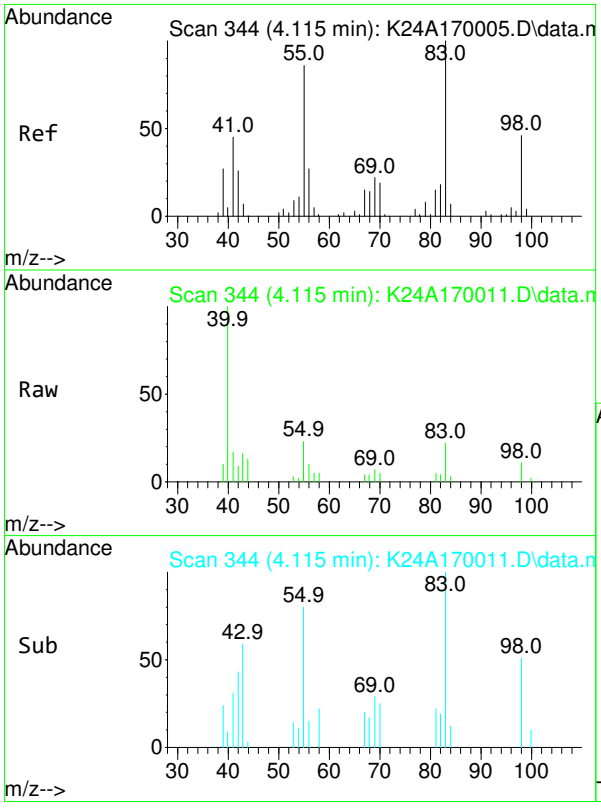


#5
2,2,4-TRIMETHYLPENTANE
Concen: 0.06 PPBV
RT: 3.798 min Scan# 304
Delta R.T. 0.007 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion: 57 Resp: 3564

Ion	Ratio	Lower	Upper
57	100		
56	48.3	13.0	53.0
41	71.1	8.8	48.8#
99	0.0	0.0	24.2

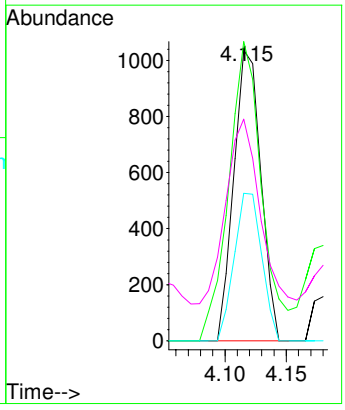


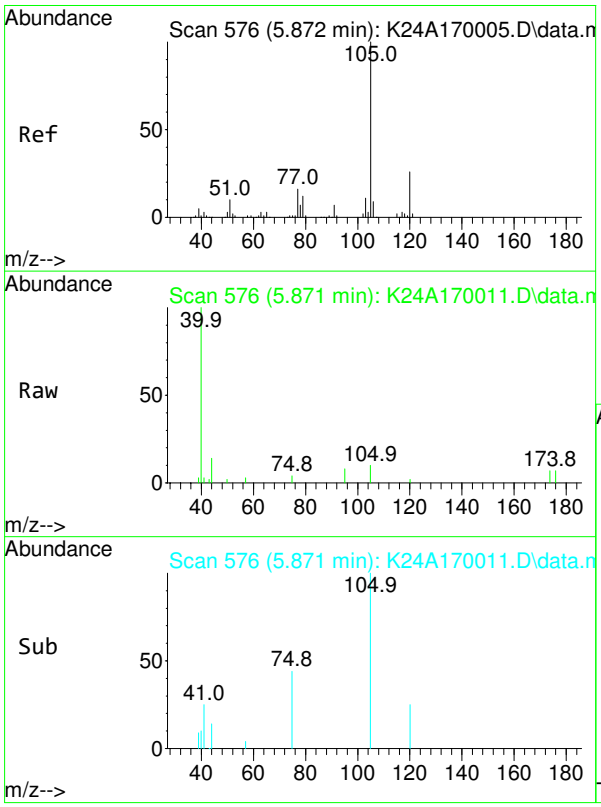


#6
METHYLCYCLOHEXANE
Concen: 0.08 PPBV
RT: 4.115 min Scan# 344
Delta R.T. 0.000 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion: 83 Resp: 1591

Ion	Ratio	Lower	Upper
83	100		
55	125.6	96.7	136.7
98	51.6	27.9	67.9
41	78.3	41.8	81.8

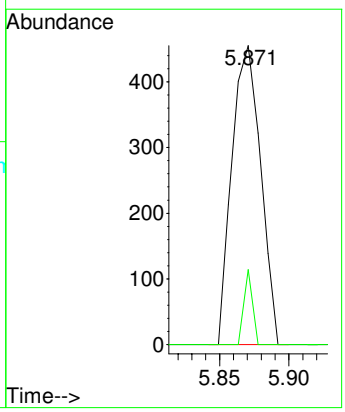


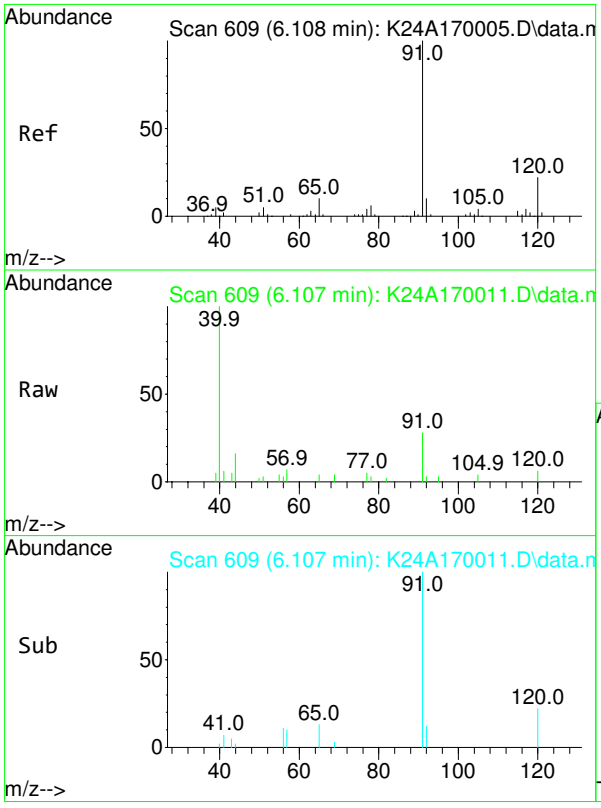


#11
CUMENE
Concen: 0.01 PPBV
RT: 5.871 min Scan# 576
Delta R.T. -0.001 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion:105 Resp: 657

Ion	Ratio	Lower	Upper
105	100		
120	0.0	4.3	44.3#

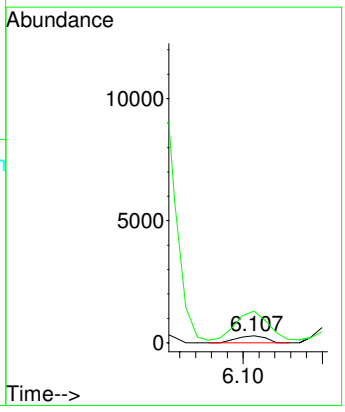


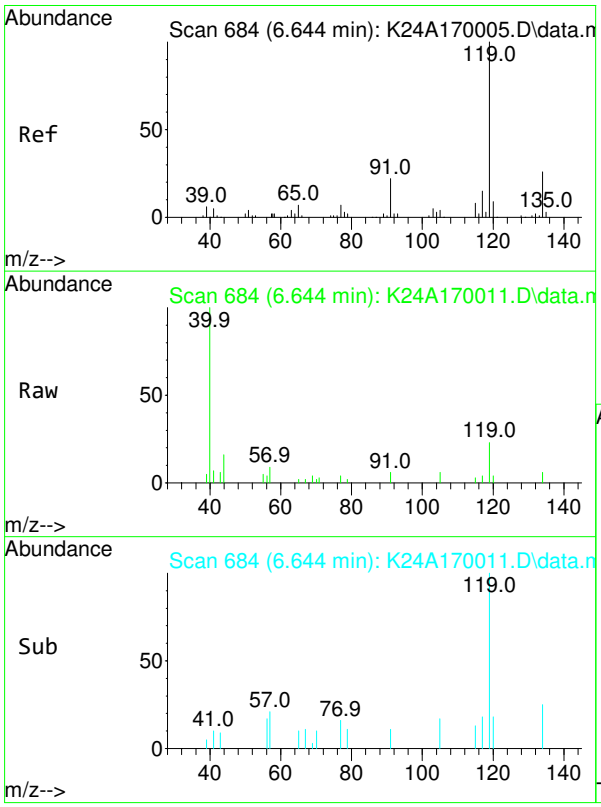


#12
PROPYLBENZENE
Concen: 0.03 PPBV
RT: 6.107 min Scan# 609
Delta R.T. -0.001 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion:120 Resp: 370

Ion	Ratio	Lower	Upper
120	100		
91	451.4	455.0	495.0#

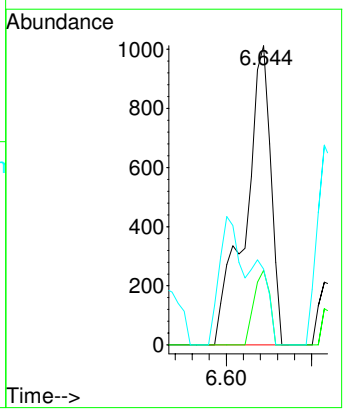


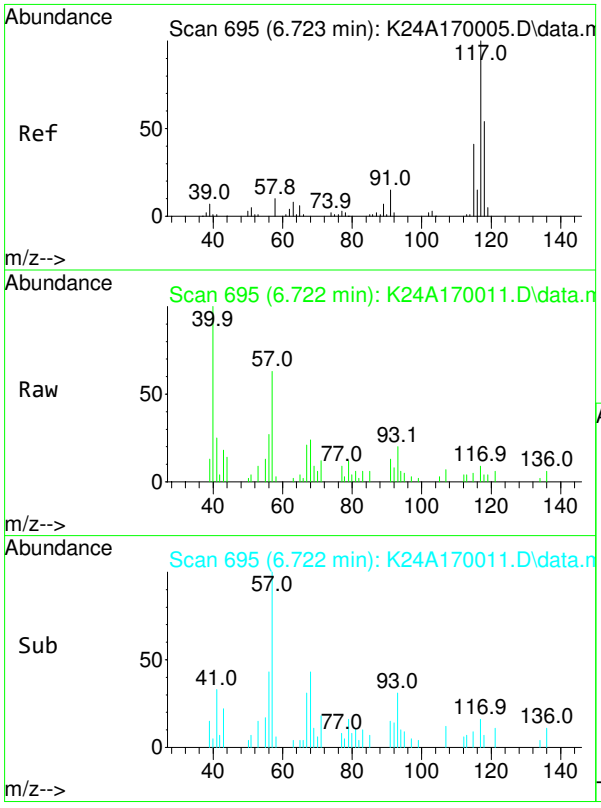


#15
p-CYMENE
Concen: 0.05 PPBV
RT: 6.644 min Scan# 684
Delta R.T. -0.001 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion:119 Resp: 2085

Ion	Ratio	Lower	Upper
119	100		
134	15.4	4.1	44.1
91	56.5	7.7	47.7#

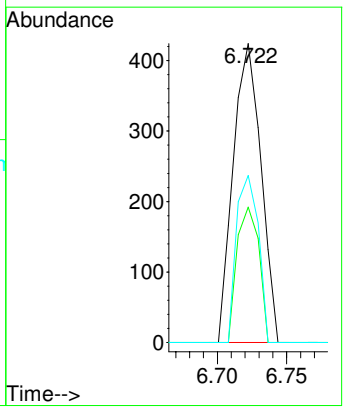


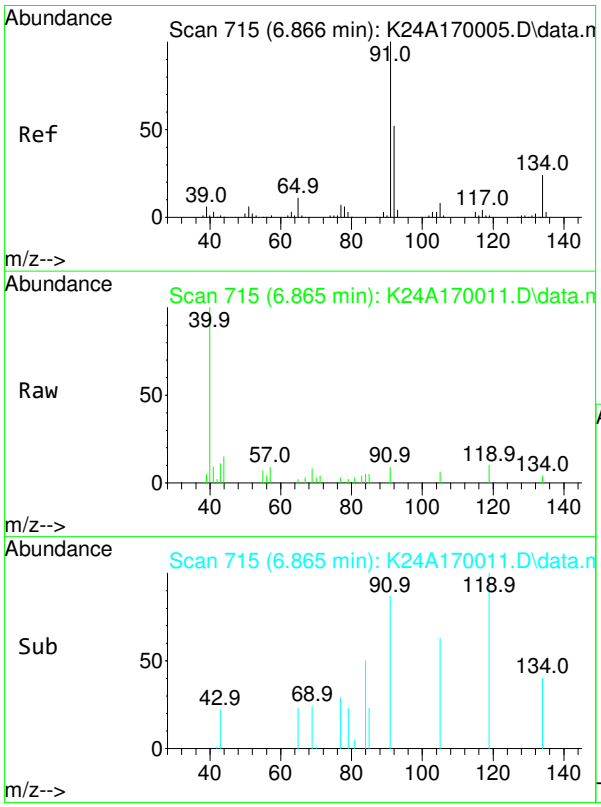


#16
INDANE
Concen: 0.02 PPBV
RT: 6.722 min Scan# 695
Delta R.T. -0.001 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion:117 Resp: 590

Ion	Ratio	Lower	Upper
117	100		
118	35.9	36.9	76.9#
115	44.2	14.5	54.5

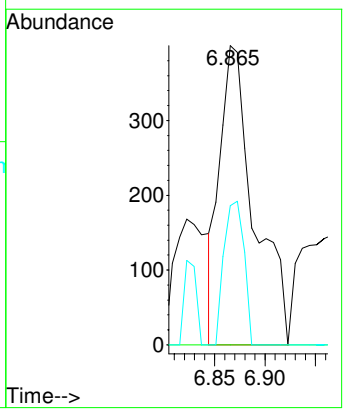


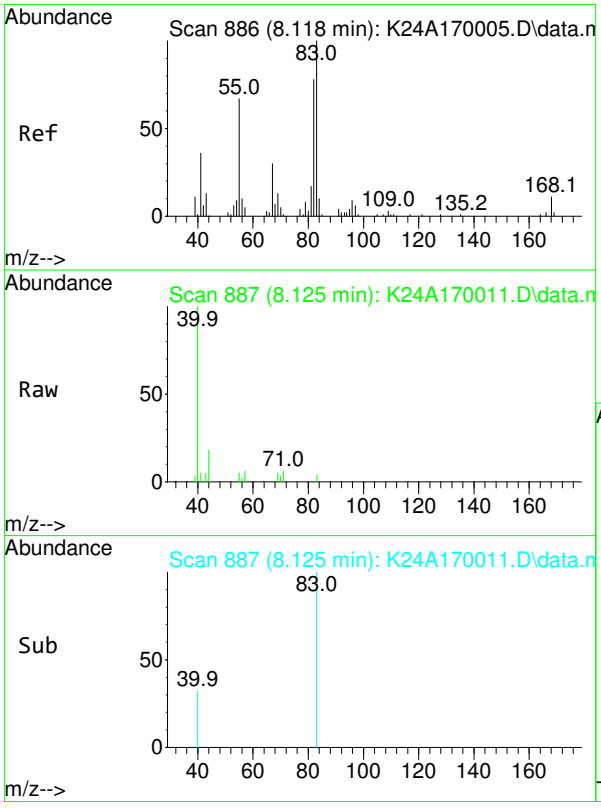


#18
BUTYLBENZENE
Concen: 0.02 PPBV
RT: 6.865 min Scan# 715
Delta R.T. -0.001 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion: 91 Resp: 955

Ion	Ratio	Lower	Upper
91	100		
92	0.0	34.3	74.3#
134	27.9	3.6	43.6

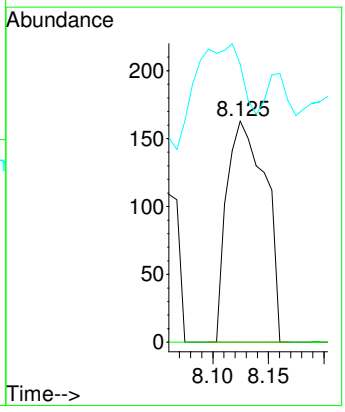


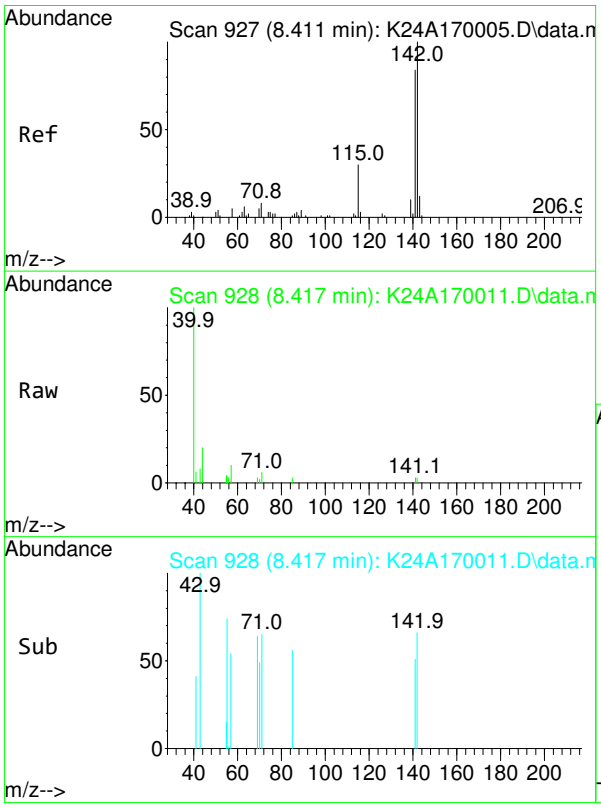


#20
HEXYLCYCLOHEXANE
Concen: 0.01 PPBV
RT: 8.125 min Scan# 887
Delta R.T. 0.006 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion: 83 Resp: 396

Ion	Ratio	Lower	Upper
83	100		
82	0.0	55.0	95.0#
55	60.1	80.5	120.5#

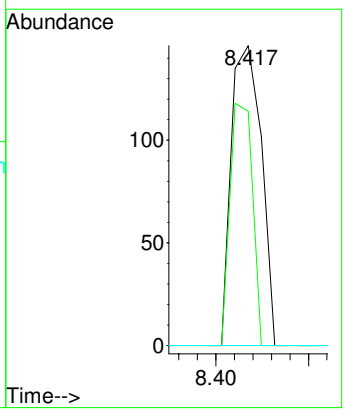




#21
2-METHYLNAPHTHALENE
Concen: 0.01 UG/L
RT: 8.417 min Scan# 928
Delta R.T. 0.006 min
Lab File: K24A170011.D
Acq: 18 Jun 2024 03:27 pm

Tgt Ion:142 Resp: 164

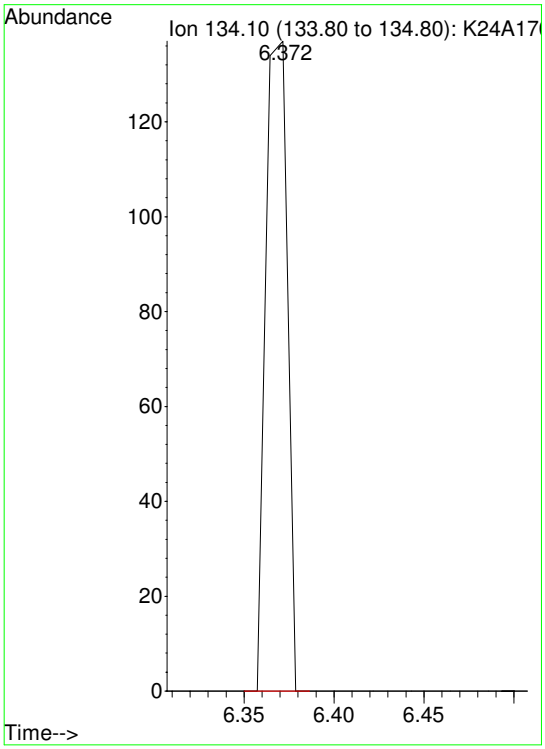
Ion	Ratio	Lower	Upper
142	100		
141	60.4	67.9	107.9#
115	0.0	21.5	61.5#



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170011.D
Acq On : 18 Jun 2024 03:27 pm
Operator : CMR
Sample : 24F1161-02 0.8X
Misc : 2,1,200,500,0.8X

Quant Time : Wed Jun 19 11:57:39 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX051524.M
QLast Update : Wed May 15 09:37:36 2024

Original Integration
tert-BUTYLBENZENE



Original Int. Results

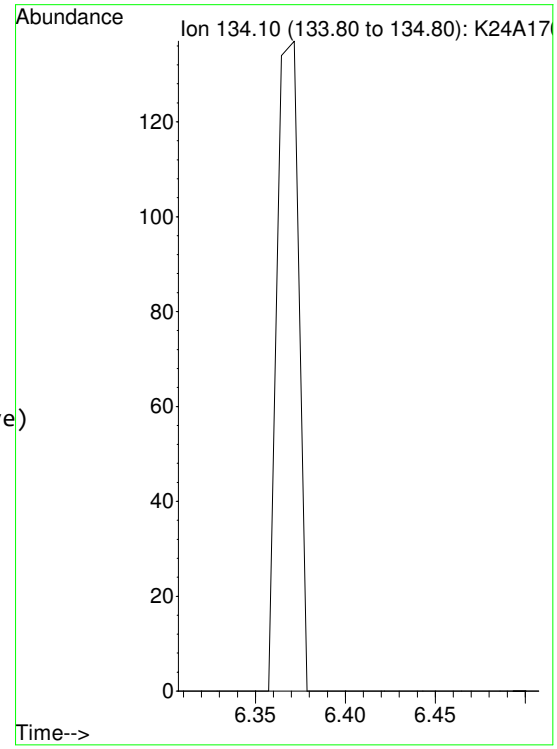
RT : 6.37
Area : 116
Amount: 0.0143882

Manual Int. Results

Wed Jun 19 11:57:38 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
tert-BUTYLBENZENE



1 - FORM I
ANALYSIS DATA SHEET

Outdoor

Laboratory:	Pace New England			Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY			Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1
Matrix:	Ambient Air	Laboratory ID:	24F1161-03	File ID:	K24A170012.D
Sampled:	06/06/24 16:30	Prepared:	06/18/24 00:00	Analyzed:	06/18/24 16:04
Solids:		Preparation:	TO-15 Prep	Dilution:	0.698
Initial/Final:	400 mL / 400 mL				
Batch:	B377758	Sequence:	S106148	Calibration:	2400609
Instrument:	SYSK				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
71-43-2	Benzene	0.078	0.011	0.035	
100-44-7	Benzyl chloride		0.018	0.070	
75-27-4	Bromodichloromethane		0.014	0.035	
75-25-2	Bromoform		0.0084	0.035	
74-83-9	Bromomethane		0.030	0.035	
78-93-3	2-Butanone (MEK)		0.68	1.4	
75-65-0	tert-Butyl Alcohol (TBA)		0.054	0.14	
56-23-5	Carbon Tetrachloride	0.064	0.027	0.035	L-03
108-90-7	Chlorobenzene		0.012	0.035	
75-00-3	Chloroethane		0.032	0.035	
67-66-3	Chloroform	0.021	0.017	0.035	J
74-87-3	Chloromethane	0.42	0.047	0.070	
110-82-7	Cyclohexane		0.027	0.035	
124-48-1	Dibromochloromethane		0.023	0.035	
106-93-4	1,2-Dibromoethane (EDB)		0.022	0.035	
95-50-1	1,2-Dichlorobenzene		0.011	0.035	
541-73-1	1,3-Dichlorobenzene		0.011	0.035	
106-46-7	1,4-Dichlorobenzene		0.017	0.035	
75-71-8	Dichlorodifluoromethane (Freon 12)	0.50	0.015	0.035	
75-34-3	1,1-Dichloroethane		0.017	0.035	L-03, V-05
107-06-2	1,2-Dichloroethane		0.013	0.035	
75-35-4	1,1-Dichloroethylene		0.024	0.035	
156-59-2	cis-1,2-Dichloroethylene		0.017	0.035	
156-60-5	trans-1,2-Dichloroethylene		0.016	0.035	L-03, V-05
78-87-5	1,2-Dichloropropane		0.026	0.035	
10061-01-5	cis-1,3-Dichloropropene		0.018	0.035	
10061-02-6	trans-1,3-Dichloropropene		0.034	0.035	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.014	0.035	
123-91-1	1,4-Dioxane		0.17	0.35	

1 - FORM I
ANALYSIS DATA SHEET

Outdoor

Laboratory:	Pace New England			Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY			Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1
Matrix:	Ambient Air	Laboratory ID:	24F1161-03	File ID:	K24A170012.D
Sampled:	06/06/24 16:30	Prepared:	06/18/24 00:00	Analyzed:	06/18/24 16:04
Solids:		Preparation:	TO-15 Prep	Dilution:	0.698
Initial/Final:	400 mL / 400 mL				
Batch:	B377758	Sequence:	S106148	Calibration:	2400609
Instrument:	SYSK				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
64-17-5	Ethanol	3.7	0.93	1.4	
100-41-4	Ethylbenzene	0.040	0.012	0.035	
142-82-5	Heptane	0.048	0.022	0.035	
87-68-3	Hexachlorobutadiene		0.021	0.035	
110-54-3	Hexane		0.73	1.4	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.017	0.035	
75-09-2	Methylene Chloride	0.12	0.094	0.35	J
108-10-1	4-Methyl-2-pentanone (MIBK)		0.017	0.035	
91-20-3	Naphthalene		0.028	0.035	
100-42-5	Styrene		0.027	0.035	
79-34-5	1,1,2,2-Tetrachloroethane		0.0086	0.035	
127-18-4	Tetrachloroethylene	0.086	0.030	0.035	
108-88-3	Toluene	0.21	0.017	0.035	
120-82-1	1,2,4-Trichlorobenzene		0.020	0.035	
71-55-6	1,1,1-Trichloroethane		0.016	0.035	
79-00-5	1,1,2-Trichloroethane		0.012	0.035	
79-01-6	Trichloroethylene		0.027	0.035	
75-69-4	Trichlorofluoromethane (Freon 11)	0.20	0.014	0.14	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.066	0.0095	0.14	J
95-63-6	1,2,4-Trimethylbenzene	0.036	0.021	0.035	
108-67-8	1,3,5-Trimethylbenzene		0.027	0.035	
540-84-1	2,2,4-Trimethylpentane	0.041	0.030	0.093	J
75-01-4	Vinyl Chloride		0.018	0.035	
179601-23-1	m&p-Xylene	0.11	0.024	0.070	
95-47-6	o-Xylene	0.051	0.011	0.035	

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170012.D
Acq On : 18 Jun 2024 04:04 pm
Operator : CMR
Sample : 24F1161-03 0.7X Inst : SYSK
Misc : 1.5,1,200,430,0.7X
ALS Vial : 10 Sample Multiplier: 1
InstName : SYSK

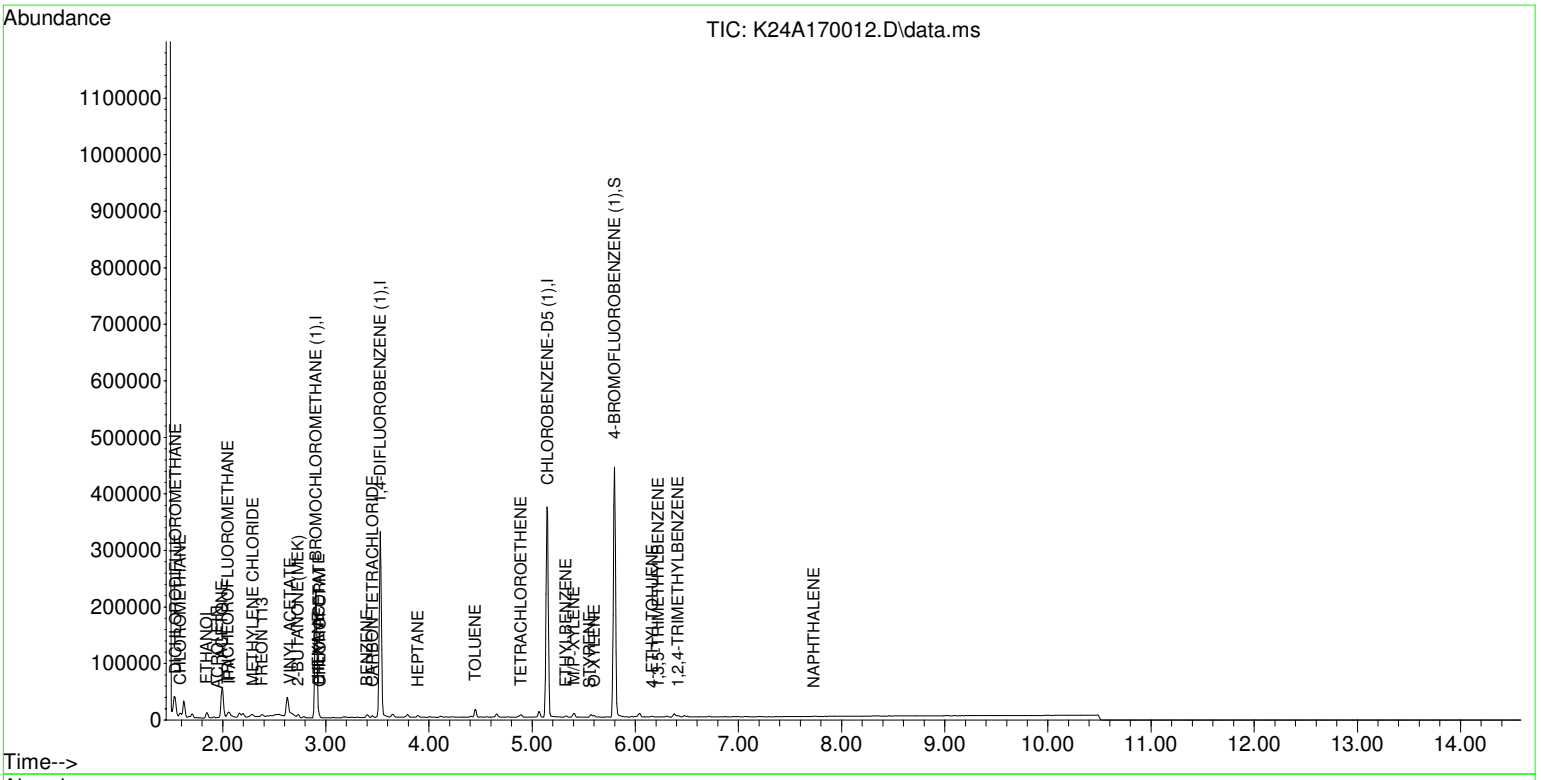
Quant Time: Jun 19 11:05:10 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Apr 23 10:16:53 2024
Response via : Initial Calibration

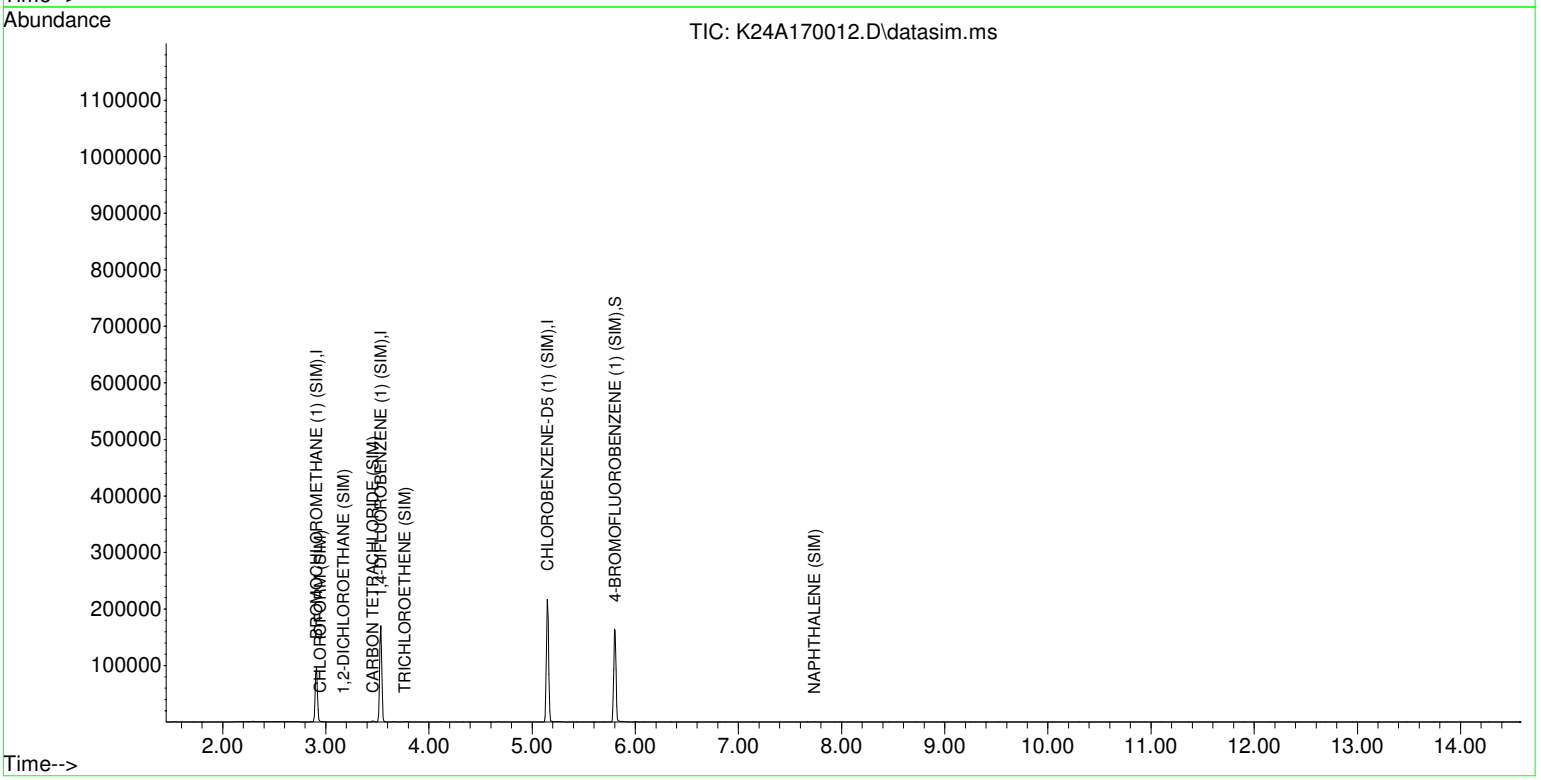
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.904	49	81264	8.000	PPBV	# 0.00
30) 1,4-DIFLUOROBENZENE (1)	3.528	114	208172m	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.150	117	193182	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.909	49	83180	8.000	PPBV	# 0.00
77) 1,4-DIFLUOROBENZENE (1...	3.533	114	215610	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.148	117	202879	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.799	174	112115	8.724	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 109.00%			
88) 4-BROMOFLUOROBENZENE (...	5.805	174	115051	8.642	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 108.00%			
Target Compounds						Qvalue
3) DICHLORODIFLUOROMETHANE	1.545	85	12690	0.710	PPBV	100
4) CHLOROMETHANE	1.587	50	4671	0.600	PPBV	99
10) ACROLEIN	1.951	56	766	0.248	PPBV	86
11) ACETONE	1.994	43	49416	4.924	PPBV	91
12) TRICHLOROFLUOROMETHANE	2.051	101	4811	0.280	PPBV	98
13) ETHANOL	1.844	45	8200	5.343	PPBV	99
15) METHYLENE CHLORIDE	2.291	49	1557	0.172	PPBV	81
16) FREON 113	2.382	101	1299	0.095	PPBV	82
21) IPA	2.065	45	9903	0.695	PPBV	94
22) 2-BUTANONE(MEK)	2.730	43	5553	0.380	PPBV	90
24) VINYL ACETATE	2.654	43	4167m	0.231	PPBV	
25) HEXANE	2.926	41	923	0.114	PPBV	88
26) ETHYL ACETATE	2.934	45	291	0.142	PPBV #	65
27) CHLOROFORM	2.941	83	450	0.030	PPBV	98
32) BENZENE	3.400	78	2364	0.112	PPBV	91
33) CARBON TETRACHLORIDE	3.453	117	1277	0.092	PPBV	99
40) HEPTANE	3.891	57	528	0.069	PPBV #	71
46) TOLUENE	4.446	91	7836	0.305	PPBV	97
50) TETRACHLOROETHENE	4.892	166	1301	0.123	PPBV #	84
52) ETHYLBENZENE	5.330	91	1855	0.057	PPBV	95
53) M/P-XYLENE	5.405	91	4197	0.161	PPBV	95
55) STYRENE	5.555	104	252	0.015	PPBV #	29
56) O-XYLENE	5.600	91	1848	0.073	PPBV	98
59) 4-ETHYLTOLUENE	6.164	105	1365m	0.042	PPBV	
60) 1,3,5-TRIMETHYLBENZENE	6.221	105	350	0.015	PPBV	82
61) 1,2,4-TRIMETHYLBENZENE	6.415	105	1359	0.052	PPBV #	96
67) NAPHTHALENE	7.732	128	541	0.029	PPBV #	74
75] CHLOROFORM (SIM)	2.947	83	444	0.030	PPBV	94
76] 1,2-DICHLOROETHANE (SIM)	3.172	62	211m	0.018	PPBV	
78] CARBON TETRACHLORIDE (...	3.458	117	1335	0.089	PPBV	99
81] TRICHLOROETHENE (SIM)	3.768	95	182	0.017	PPBV	98
89] NAPHTHALENE (SIM)	7.738	128	600	0.028	PPBV	97

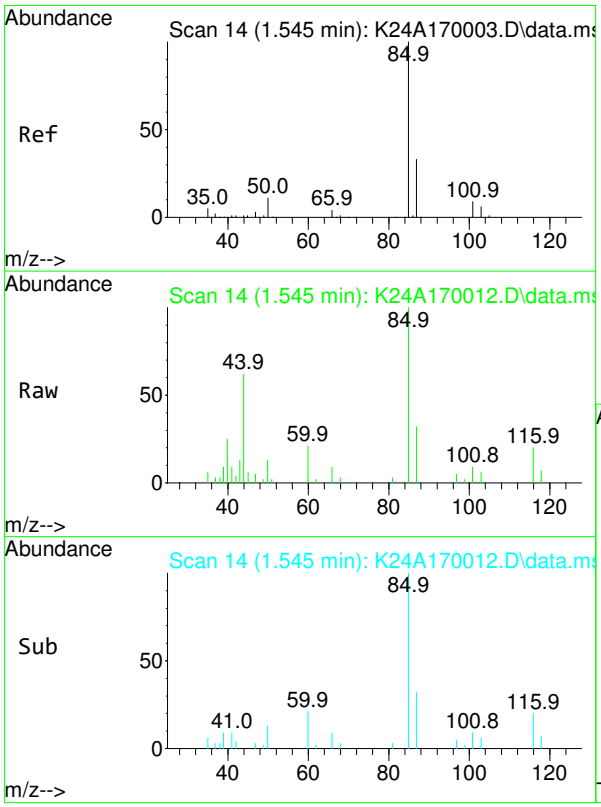
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170012.D
Acq On : 18 Jun 2024 04:04 pm
Operator : CMR
Sample : 24F1161-03 0.7X Inst : SYSK
Misc : 1.5,1,200,430,0.7X
ALS Vial : 10 Sample Multiplier: 1
InstName : SYSK

Quant Time: Jun 19 11:05:10 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Apr 23 10:16:53 2024
Response via : Initial Calibration



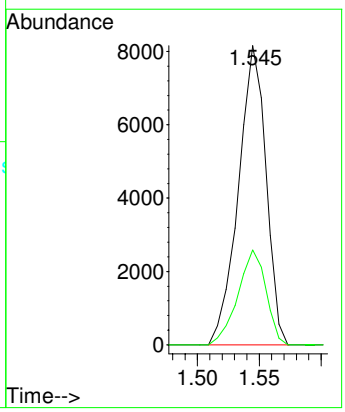


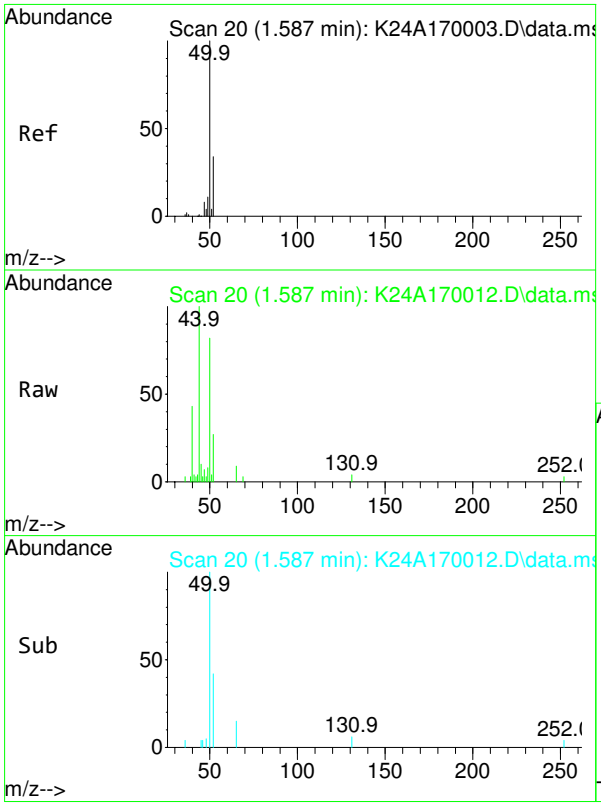


#3
DICHLORODIFLUOROMETHANE
Concen: 0.71 PPBV
RT: 1.545 min Scan# 14
Delta R.T. -0.002 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion: 85 Resp: 12690

Ion	Ratio	Lower	Upper
85	100		
87	32.2	12.3	52.3

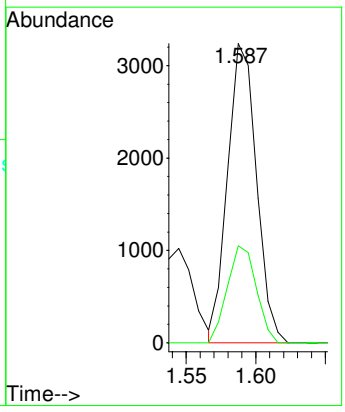


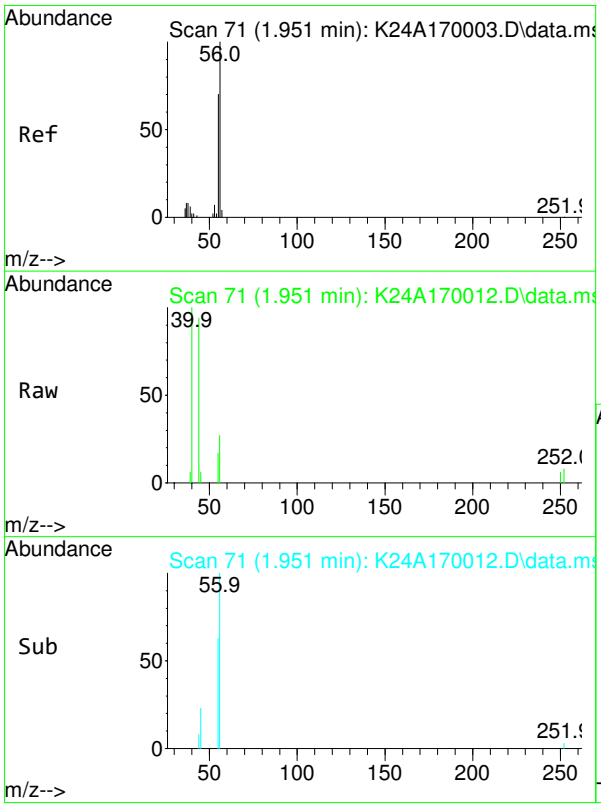


#4
CHLOROMETHANE
Concen: 0.60 PPBV
RT: 1.587 min Scan# 20
Delta R.T. -0.001 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion: 50 Resp: 4671

Ion	Ratio	Lower	Upper
50	100		
52	32.5	12.2	52.2

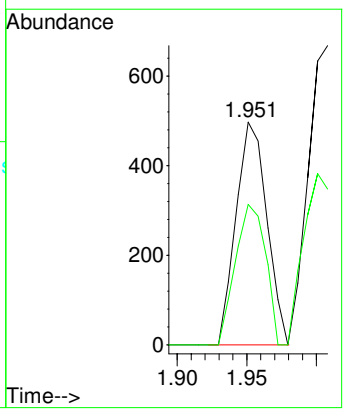


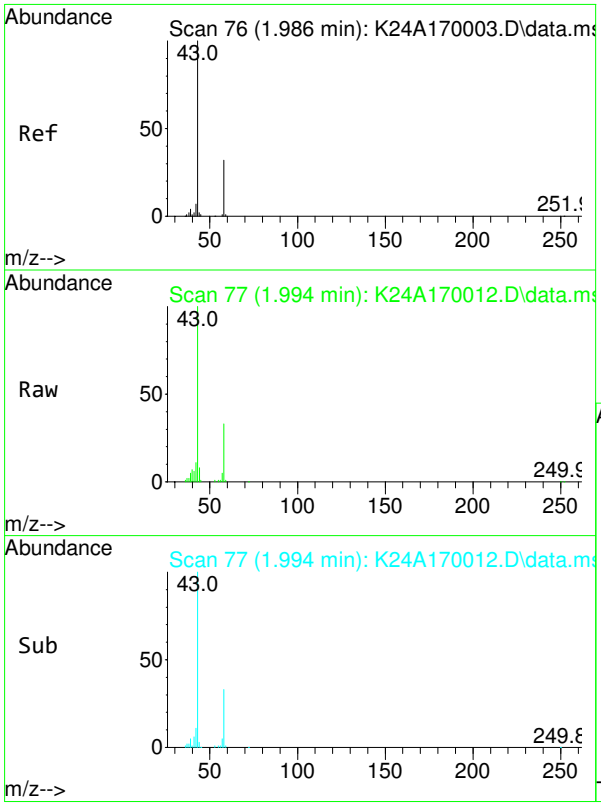


#10
ACROLEIN
Concen: 0.25 PPBV
RT: 1.951 min Scan# 71
Delta R.T. -0.000 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion: 56 Resp: 766

Ion	Ratio	Lower	Upper
56	100		
55	61.6	58.6	87.8

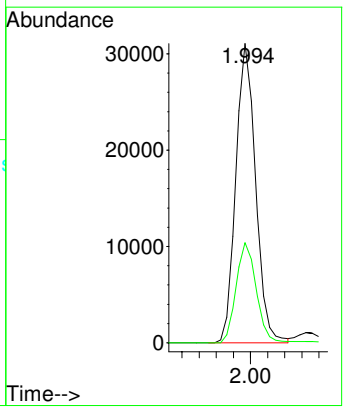


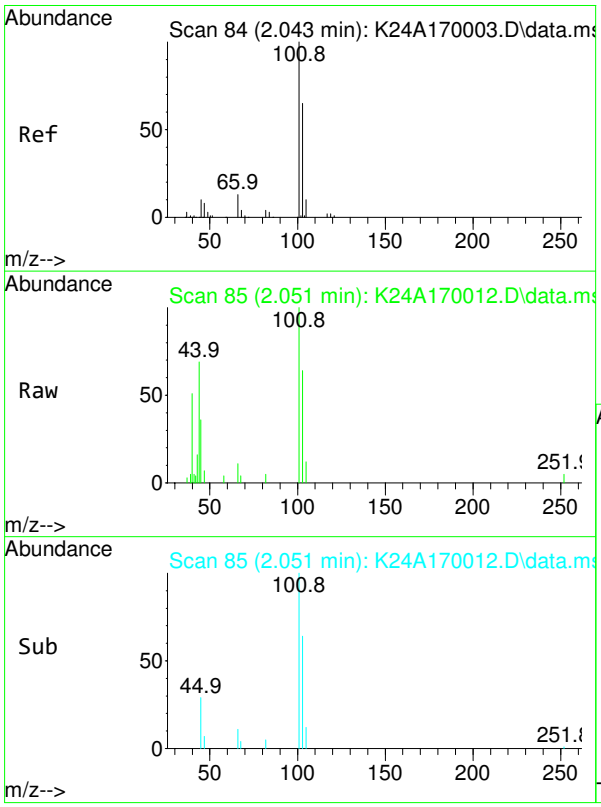


#11
ACETONE
Concen: 4.92 PPBV
RT: 1.994 min Scan# 77
Delta R.T. 0.008 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion: 43 Resp: 49416

Ion	Ratio	Lower	Upper
43	100		
58	34.0	9.1	49.1

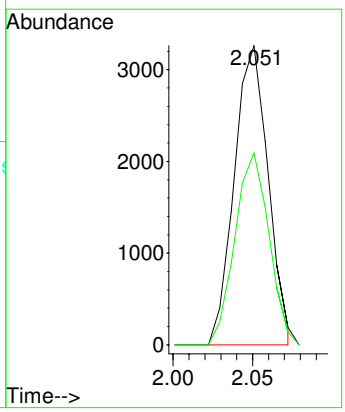


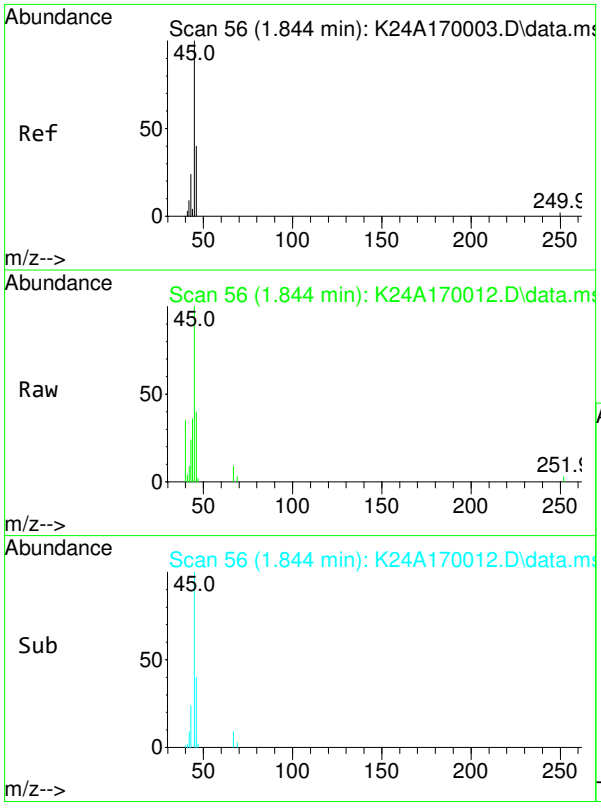


#12
TRICHLOROFLUOROMETHANE
Concen: 0.28 PPBV
RT: 2.051 min Scan# 85
Delta R.T. 0.003 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion:101 Resp: 4811

Ion	Ratio	Lower	Upper
101	100		
103	64.7	43.0	83.0

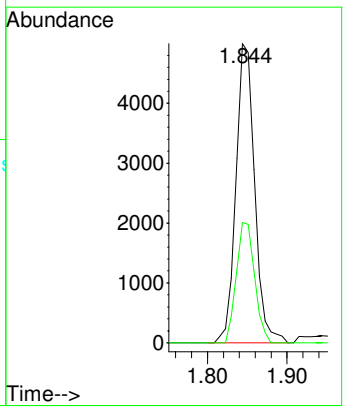


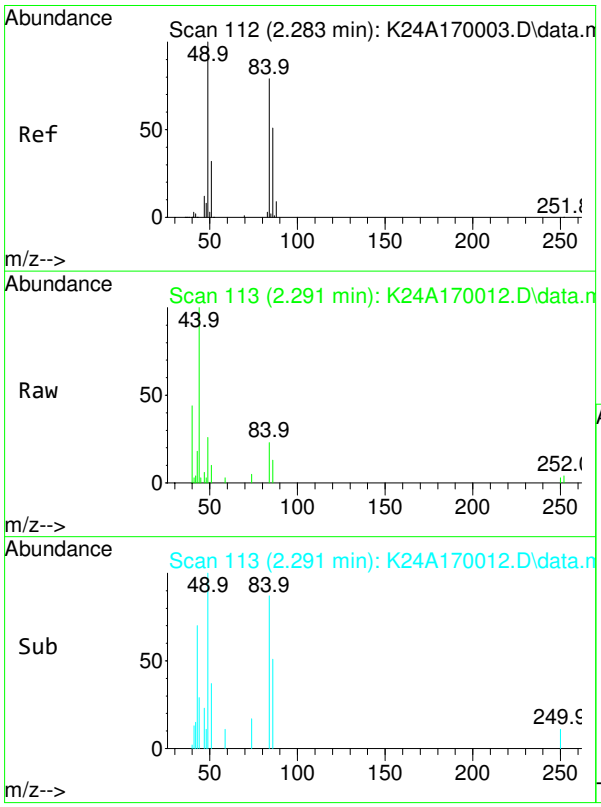


#13
ETHANOL
Concen: 5.34 PPBV
RT: 1.844 min Scan# 56
Delta R.T. 0.001 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion: 45 Resp: 8200

Ion	Ratio	Lower	Upper
45	100		
46	39.1	19.9	59.9

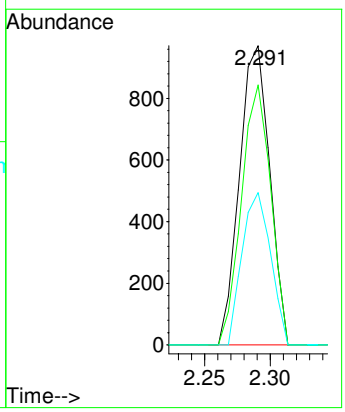


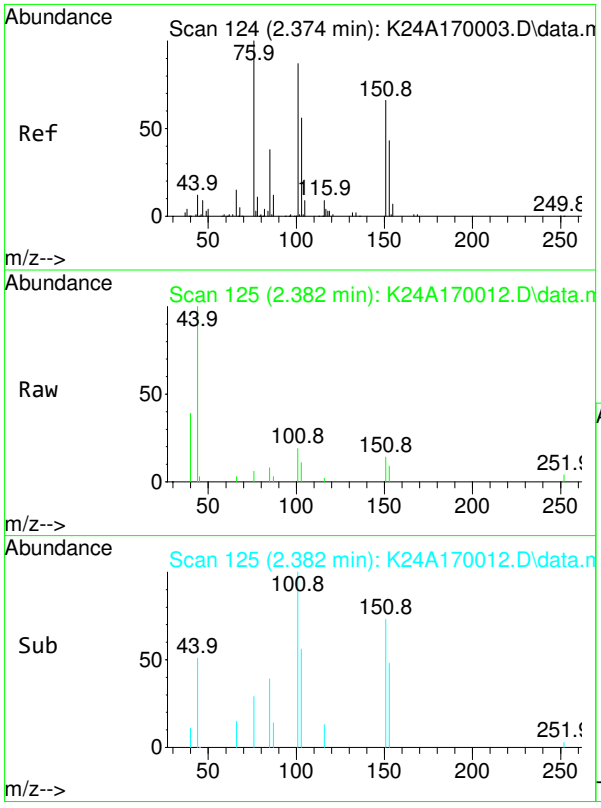


#15
METHYLENE CHLORIDE
Concen: 0.17 PPBV
RT: 2.291 min Scan# 113
Delta R.T. 0.008 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion: 49 Resp: 1557

Ion	Ratio	Lower	Upper
49	100		
84	83.9	44.5	84.5
86	47.9	21.1	61.1

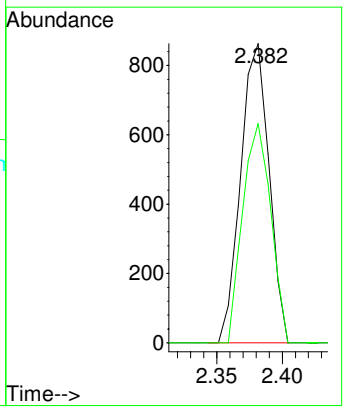


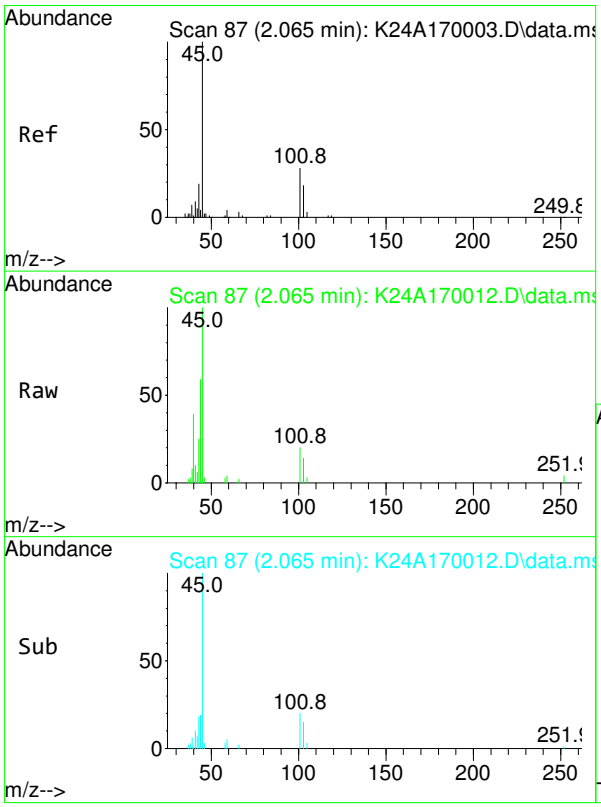


#16
FREON 113
Concen: 0.10 PPBV
RT: 2.382 min Scan# 125
Delta R.T. 0.009 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion:101 Resp: 1299

Ion	Ratio	Lower	Upper
101	100		
151	72.3	39.0	79.0

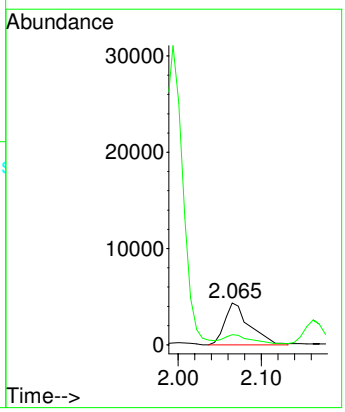


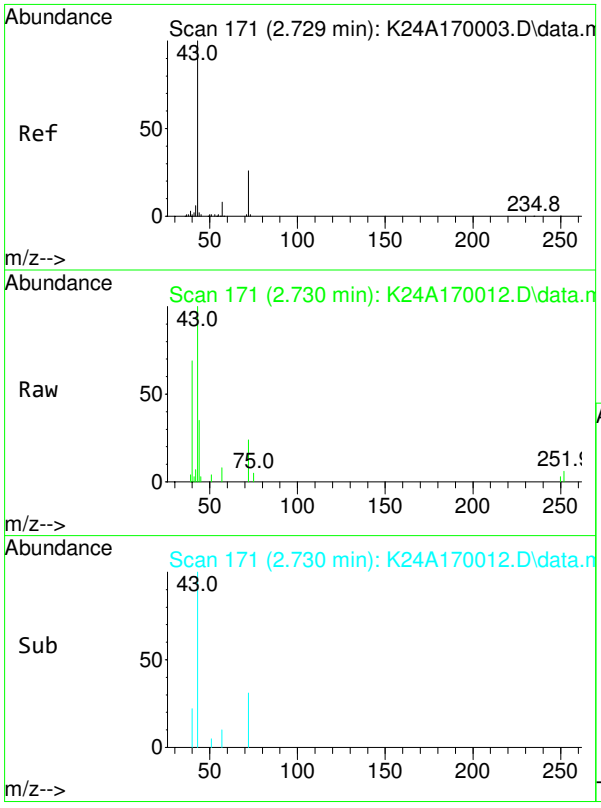


#21
IPA
Concen: 0.69 PPBV
RT: 2.065 min Scan# 87
Delta R.T. 0.002 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion: 45 Resp: 9903

Ion	Ratio	Lower	Upper
45	100		
43	22.8	0.2	40.2

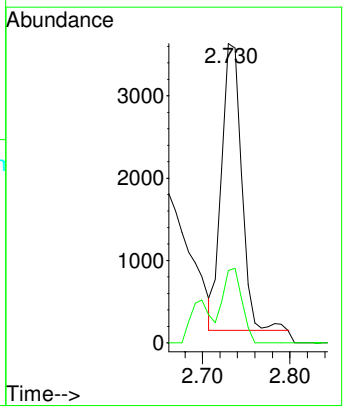


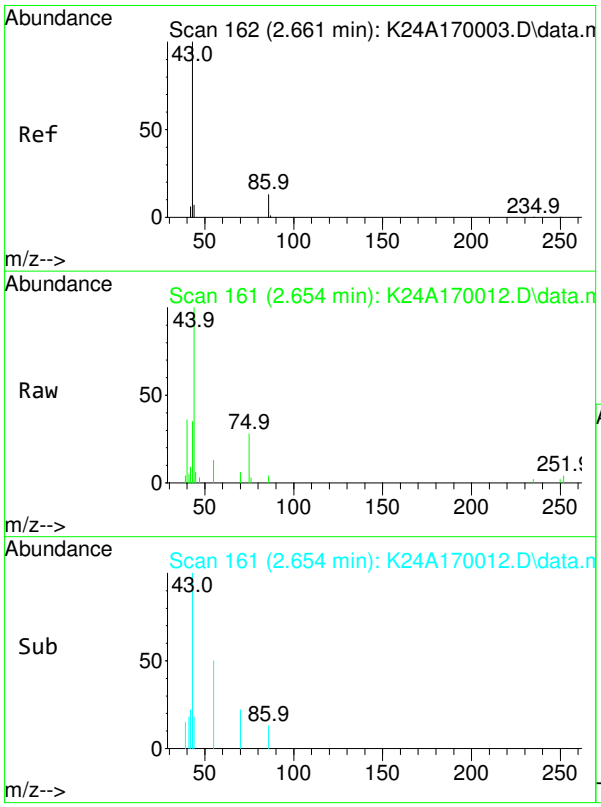


#22
2-BUTANONE(MEK)
Concen: 0.38 PPBV
RT: 2.730 min Scan# 171
Delta R.T. 0.002 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion: 43 Resp: 5553

Ion	Ratio	Lower	Upper
43	100		
72	24.6	0.0	39.8

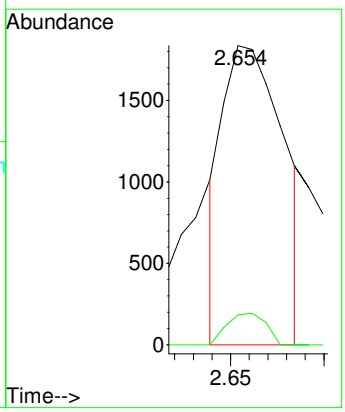


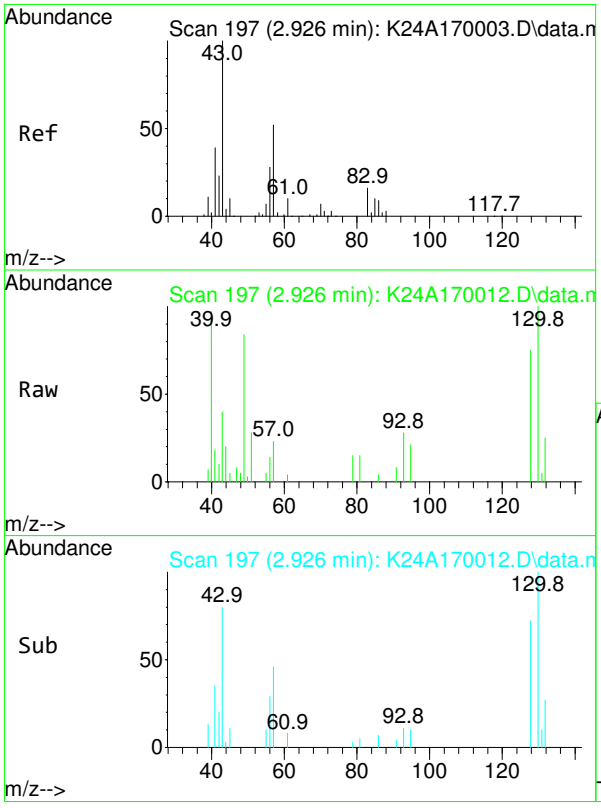


#24
VINYL ACETATE
Concen: 0.23 PPBV m
RT: 2.654 min Scan# 161
Delta R.T. -0.011 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion: 43 Resp: 4167

Ion	Ratio	Lower	Upper
43	100		
86	6.8	0.0	16.9

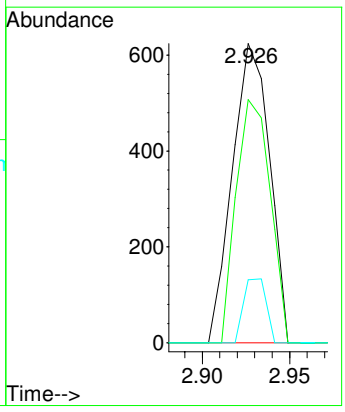


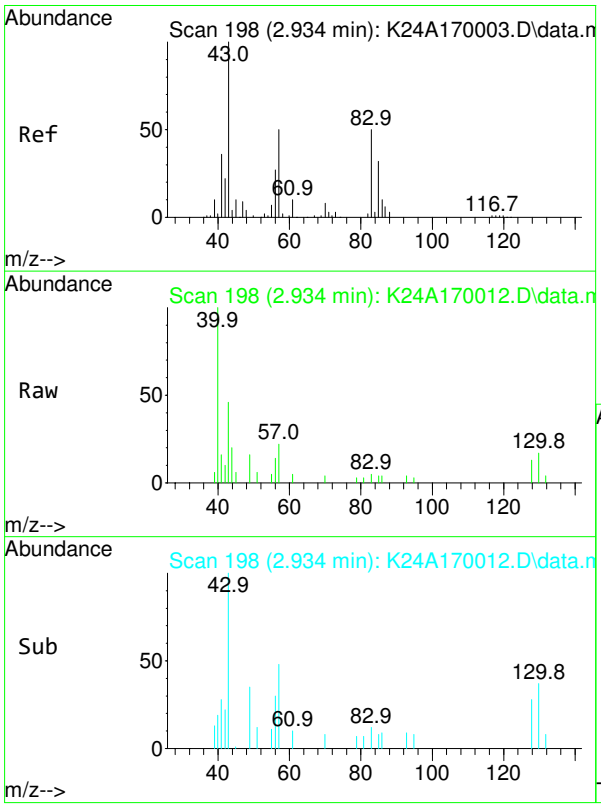


#25
HEXANE
Concen: 0.11 PPBV
RT: 2.926 min Scan# 197
Delta R.T. -0.004 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion: 41 Resp: 923

Ion	Ratio	Lower	Upper
41	100		
56	74.5	46.2	86.2
86	13.0	10.7	30.7

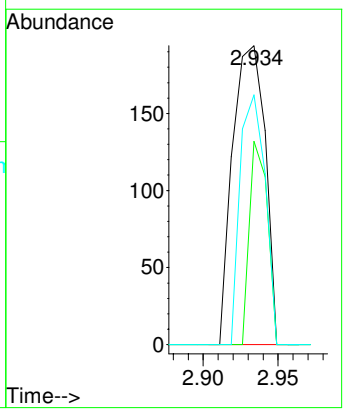


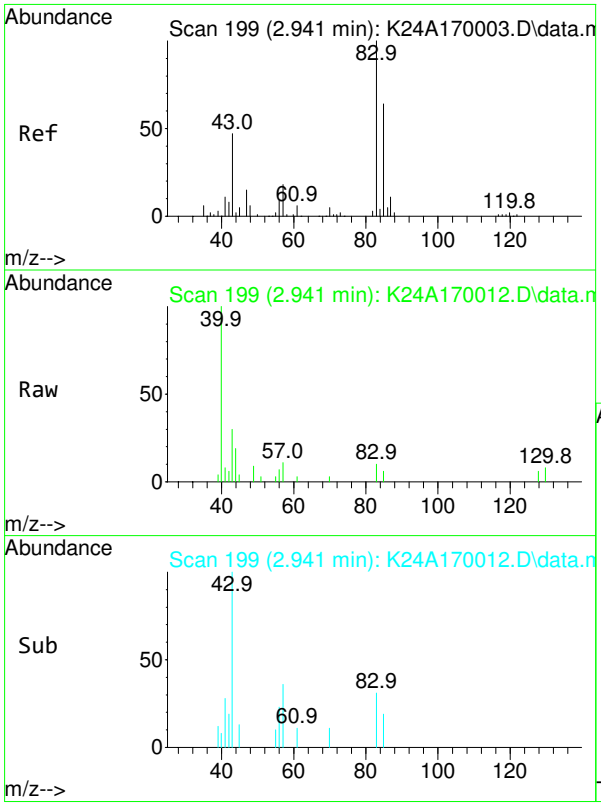


#26
ETHYL ACETATE
Concen: 0.14 PPBV
RT: 2.934 min Scan# 198
Delta R.T. 0.004 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion: 45 Resp: 291

Ion	Ratio	Lower	Upper
45	100		
70	37.5	54.1	94.1#
61	64.6	72.6	112.6#

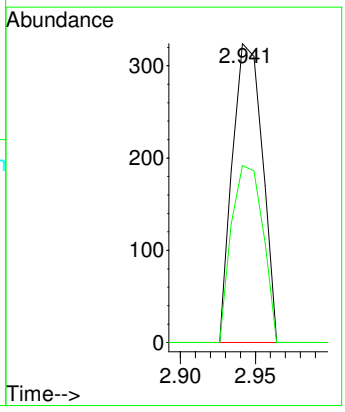


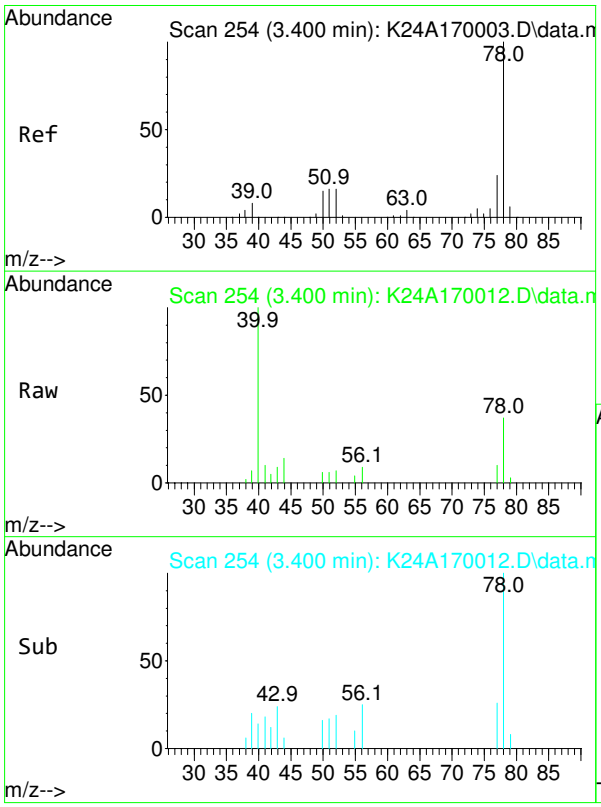


#27
CHLOROFORM
Concen: 0.03 PPBV
RT: 2.941 min Scan# 199
Delta R.T. -0.004 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion: 83 Resp: 450

Ion	Ratio	Lower	Upper
83	100		
85	62.0	43.6	83.6

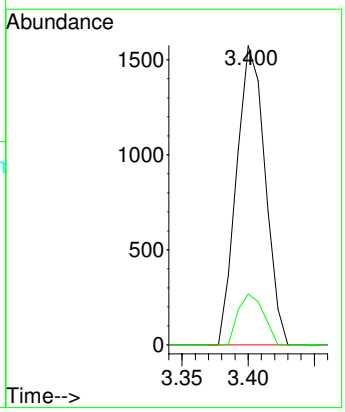


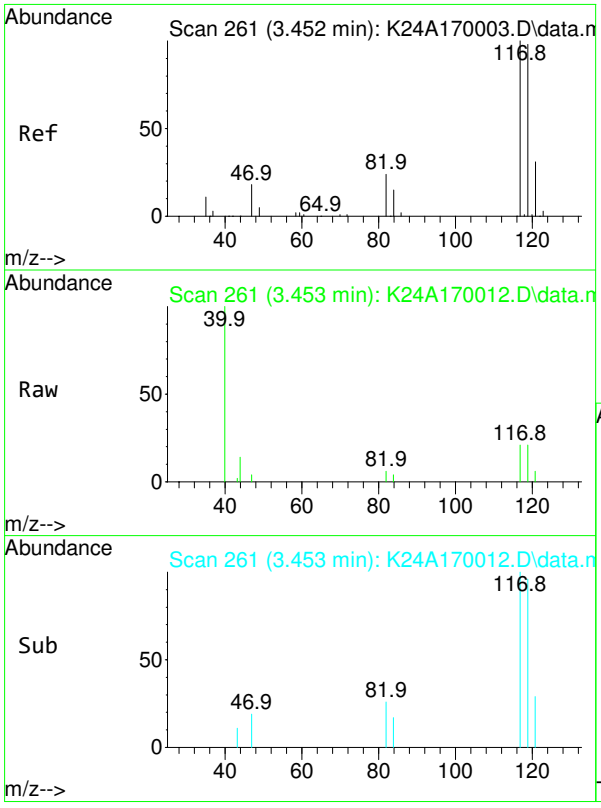


#32
BENZENE
Concen: 0.11 PPBV
RT: 3.400 min Scan# 254
Delta R.T. -0.003 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion: 78 Resp: 2364

Ion	Ratio	Lower	Upper
78	100		
51	15.2	0.0	39.1

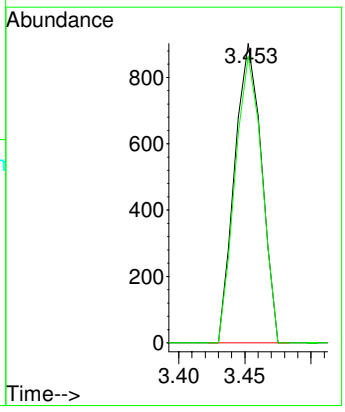


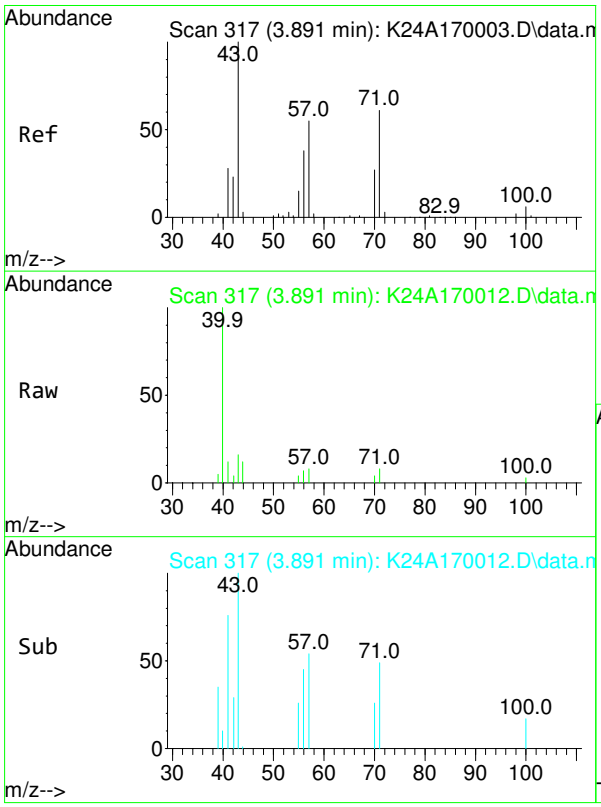


#33
CARBON TETRACHLORIDE
Concen: 0.09 PPBV
RT: 3.453 min Scan# 261
Delta R.T. 0.002 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion:117 Resp: 1277

Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.9	115.9

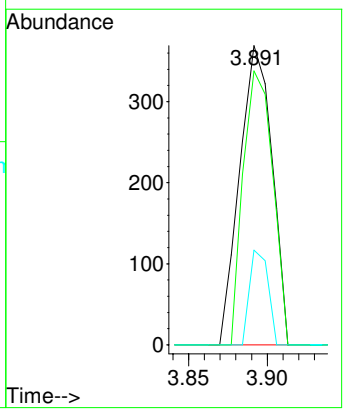


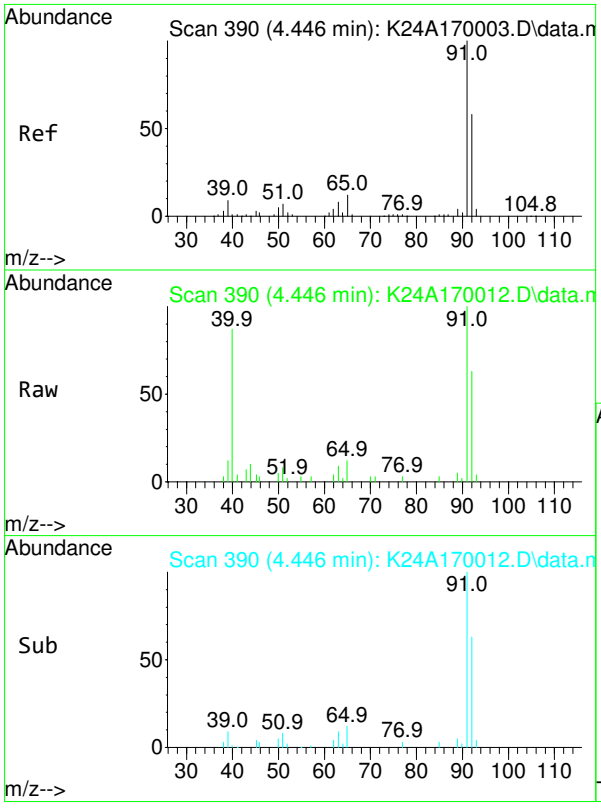


#40
HEPTANE
Concen: 0.07 PPBV
RT: 3.891 min Scan# 317
Delta R.T. -0.004 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion: 57 Resp: 528

Ion	Ratio	Lower	Upper
57	100		
71	83.3	86.0	126.0#
100	0.0	8.8	48.8#

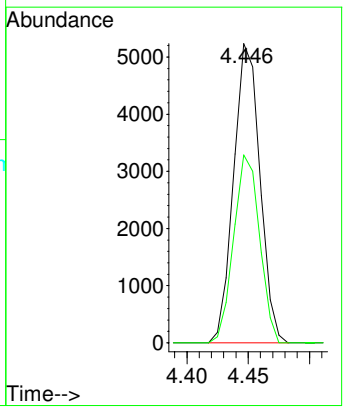


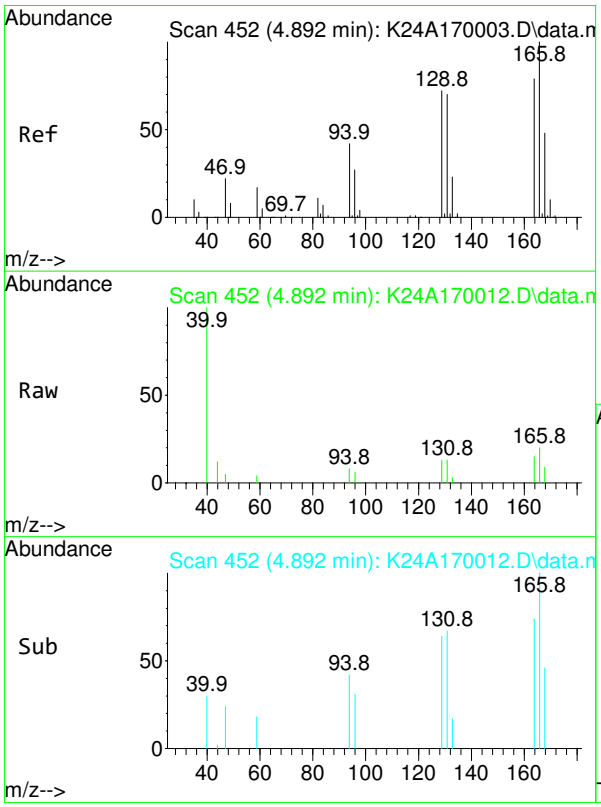


#46
TOLUENE
Concen: 0.30 PPBV
RT: 4.446 min Scan# 390
Delta R.T. -0.005 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion: 91 Resp: 7836

Ion	Ratio	Lower	Upper
91	100		
92	61.6	39.3	79.3

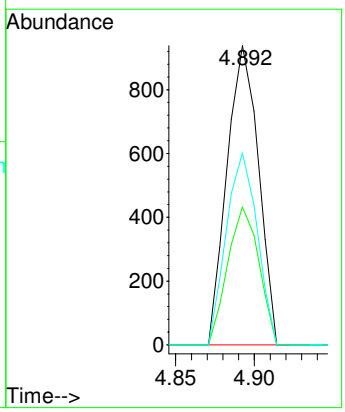


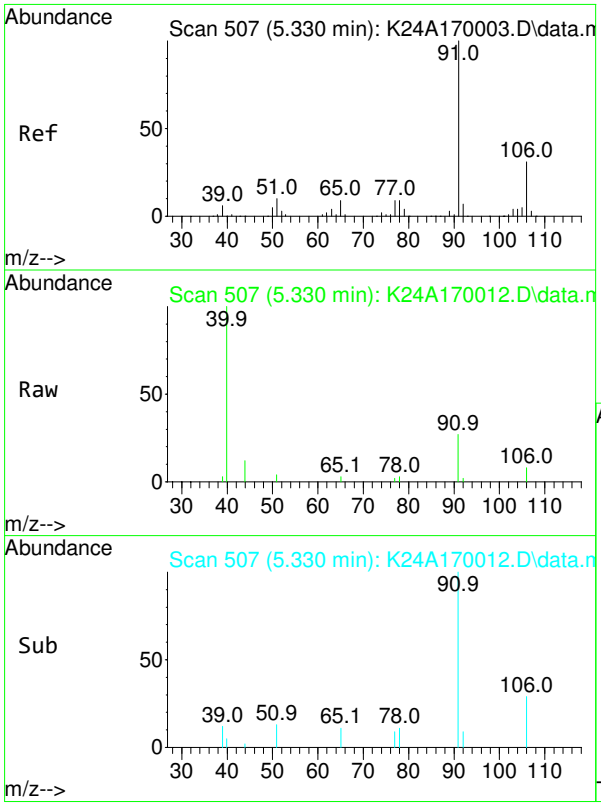


#50
TETRACHLOROETHENE
Concen: 0.12 PPBV
RT: 4.892 min Scan# 452
Delta R.T. 0.001 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion:166 Resp: 1301

Ion	Ratio	Lower	Upper
166	100		
168	45.6	27.6	67.6
129	63.0	63.9	103.9#

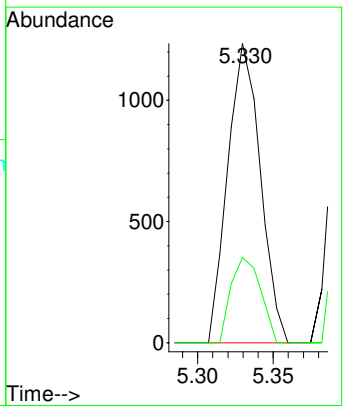


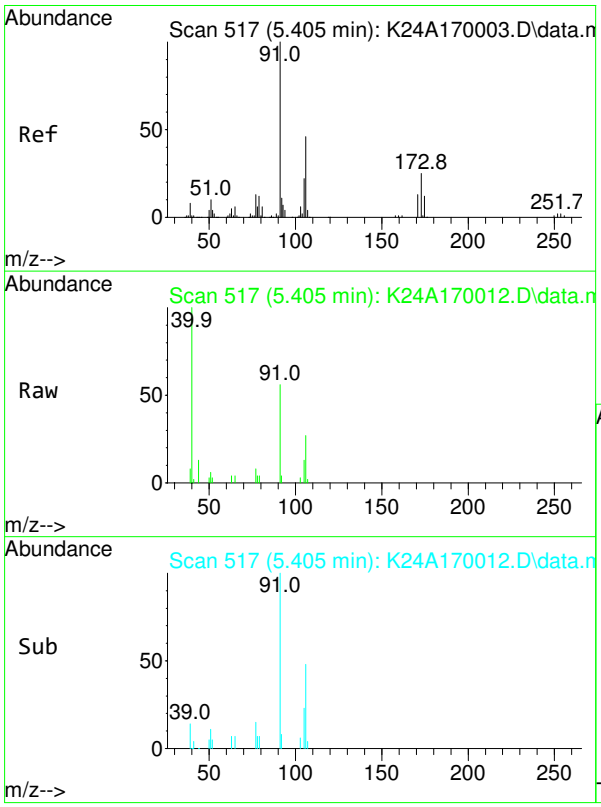


#52
ETHYLBENZENE
Concen: 0.06 PPBV
RT: 5.330 min Scan# 507
Delta R.T. -0.000 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion: 91 Resp: 1855

Ion	Ratio	Lower	Upper
91	100		
106	25.8	8.7	48.7

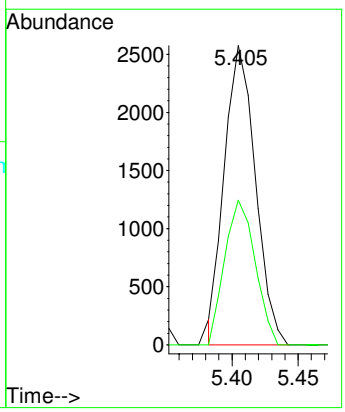


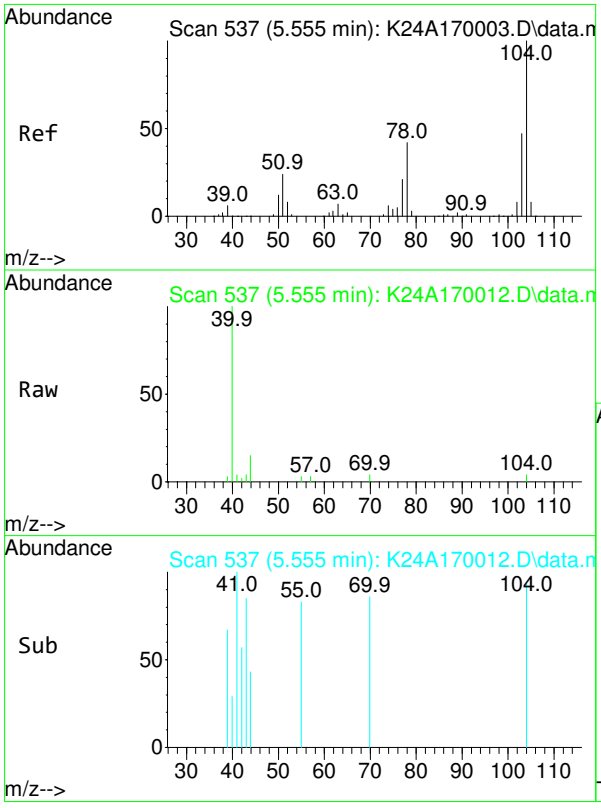


#53
M/P-XYLENE
Concen: 0.16 PPBV
RT: 5.405 min Scan# 517
Delta R.T. -0.004 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion: 91 Resp: 4197

Ion	Ratio	Lower	Upper
91	100		
106	47.5	24.2	64.2

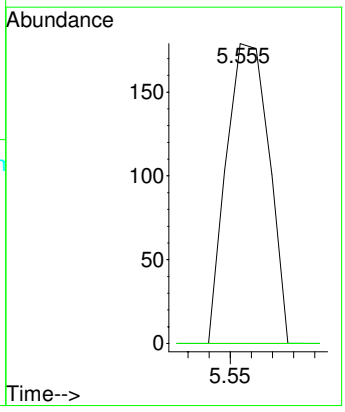


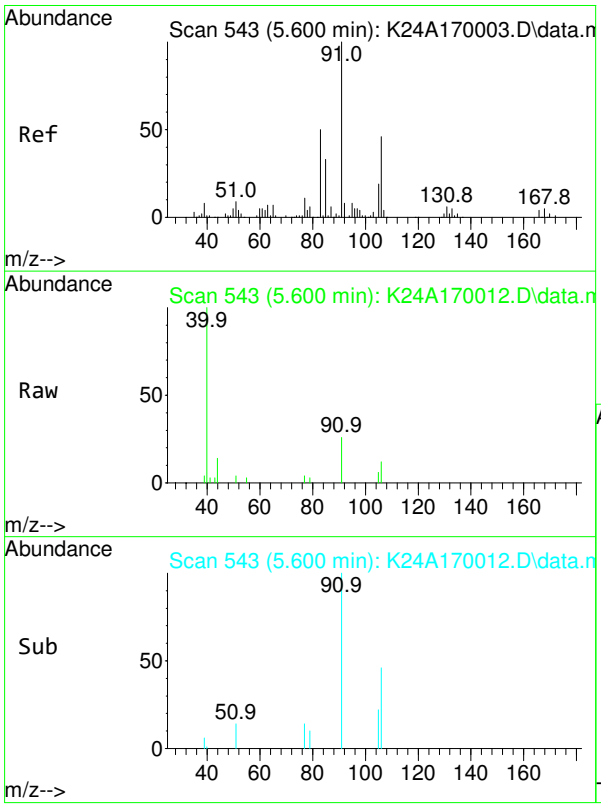


#55
STYRENE
Concen: 0.02 PPBV
RT: 5.555 min Scan# 537
Delta R.T. -0.003 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion:104 Resp: 252

Ion	Ratio	Lower	Upper
104	100		
78	0.0	27.9	67.9#

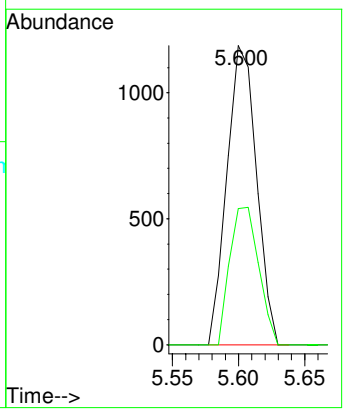


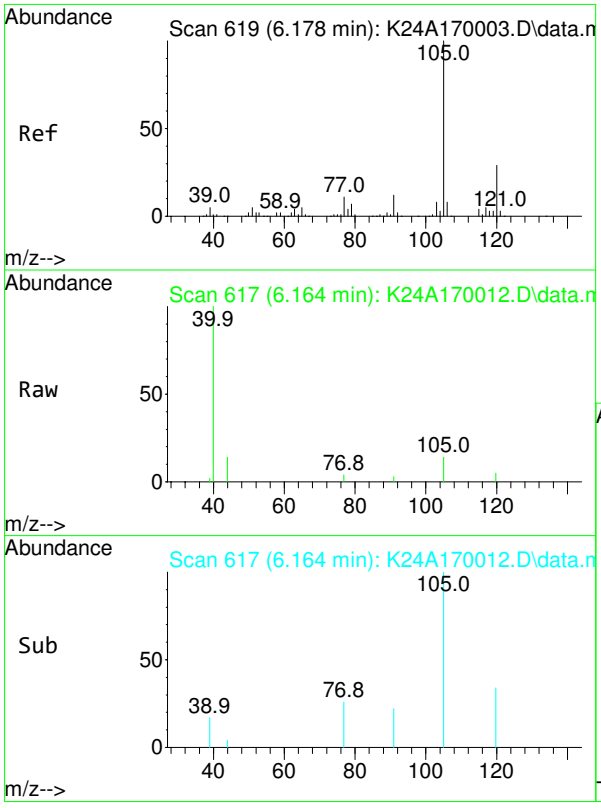


#56
O-XYLENE
Concen: 0.07 PPBV
RT: 5.600 min Scan# 543
Delta R.T. -0.006 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion: 91 Resp: 1848

Ion	Ratio	Lower	Upper
91	100		
106	44.9	23.5	63.5

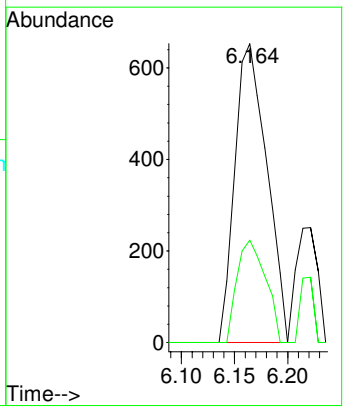


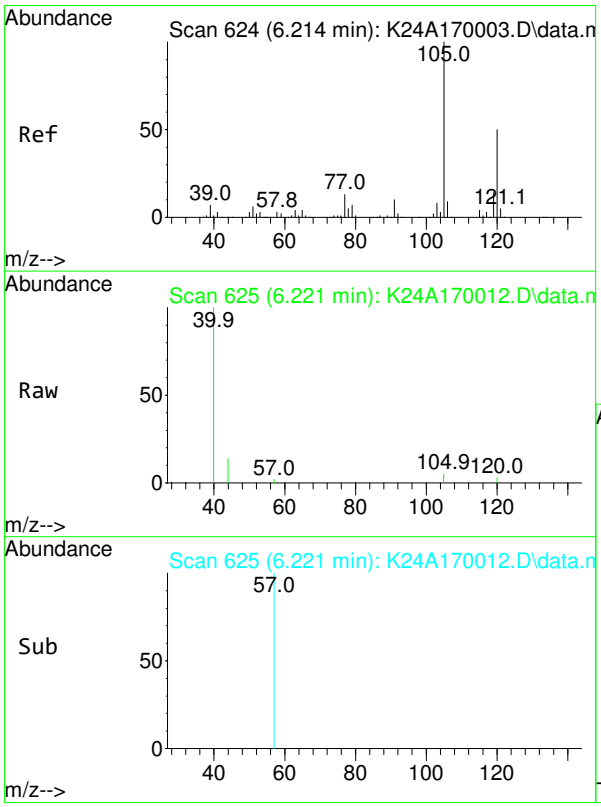


#59
4-ETHYLTOLUENE
Concen: 0.04 PPBV m
RT: 6.164 min Scan# 617
Delta R.T. -0.017 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion:105 Resp: 1365

Ion	Ratio	Lower	Upper
105	100		
120	27.0	7.3	47.3

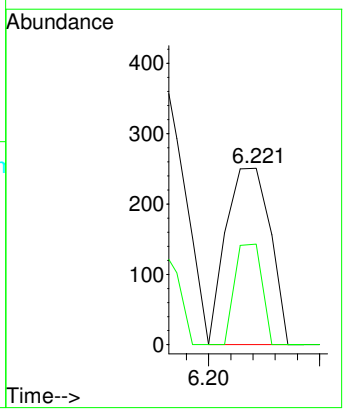


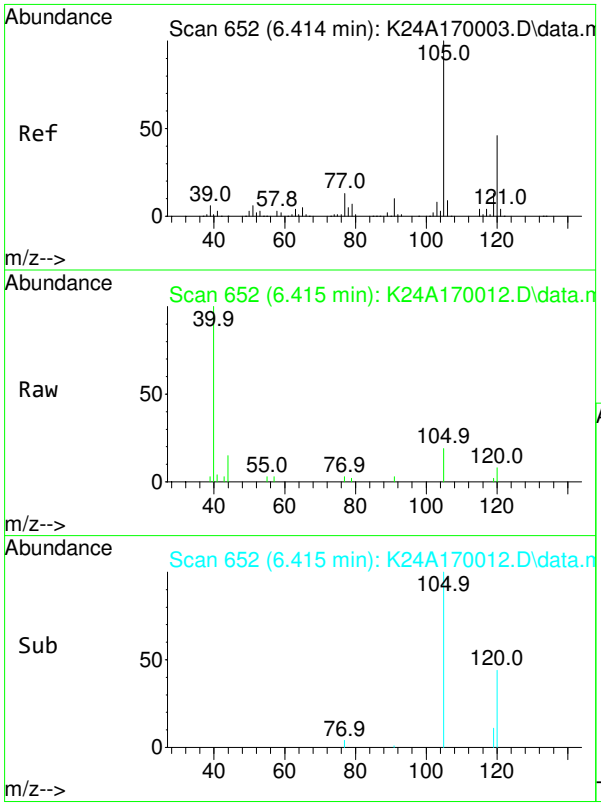


#60
1,3,5-TRIMETHYLBENZENE
Concen: 0.01 PPBV
RT: 6.221 min Scan# 625
Delta R.T. 0.004 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion:105 Resp: 350

Ion	Ratio	Lower	Upper
105	100		
120	34.9	26.9	66.9

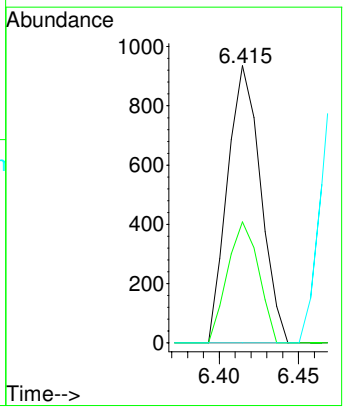


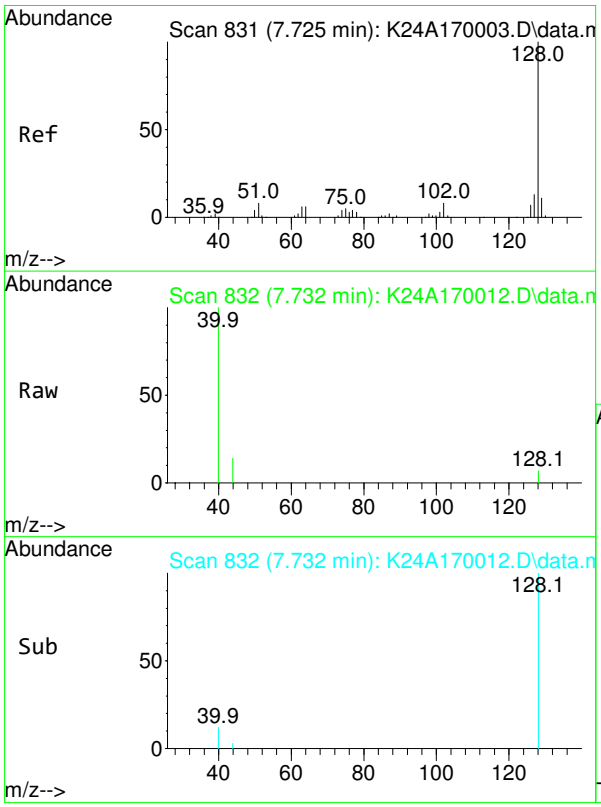


#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.05 PPBV
RT: 6.415 min Scan# 652
Delta R.T. -0.001 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion:105 Resp: 1359

Ion	Ratio	Lower	Upper
105	100		
120	41.1	23.6	63.6
281	0.0	0.0	20.0

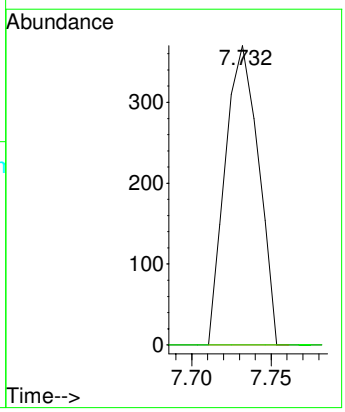


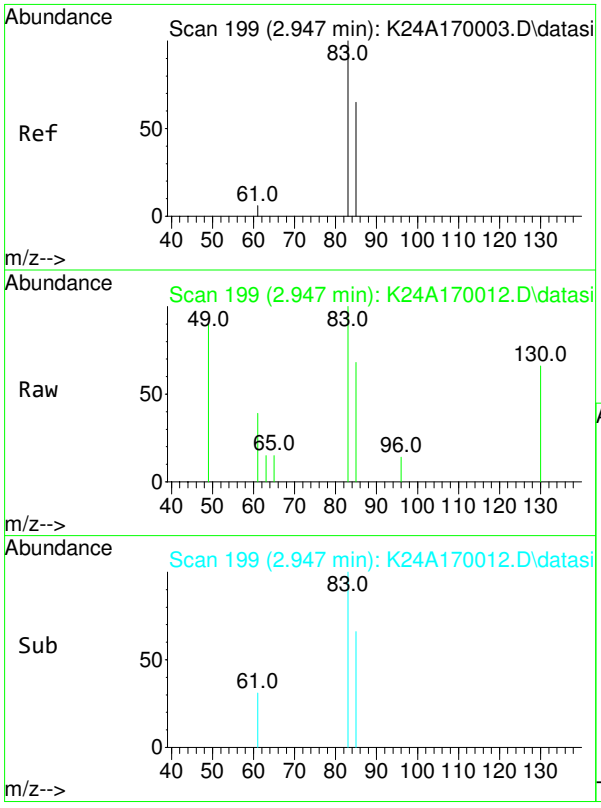


#67
NAPHTHALENE
Concen: 0.03 PPBV
RT: 7.732 min Scan# 832
Delta R.T. 0.004 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion:128 Resp: 541

Ion	Ratio	Lower	Upper
128	100		
102	0.0	7.4	11.2#

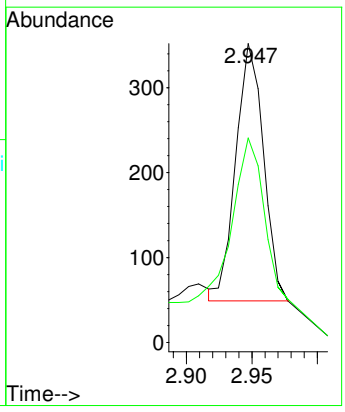


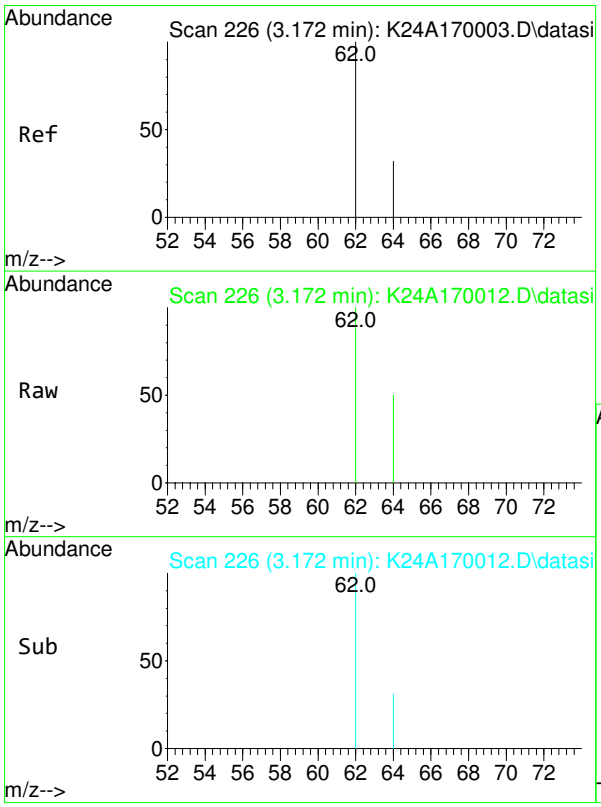


#75
CHLOROFORM (SIM)
Concen: 0.03 PPBV
RT: 2.947 min Scan# 199
Delta R.T. 0.004 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion: 83 Resp: 444

Ion	Ratio	Lower	Upper
83	100		
85	68.7	43.9	83.9

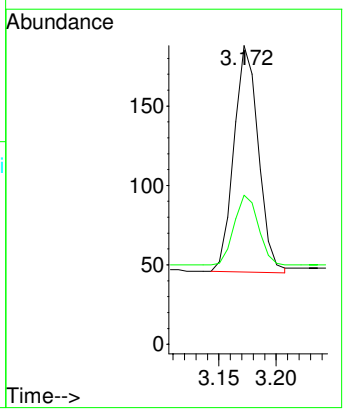


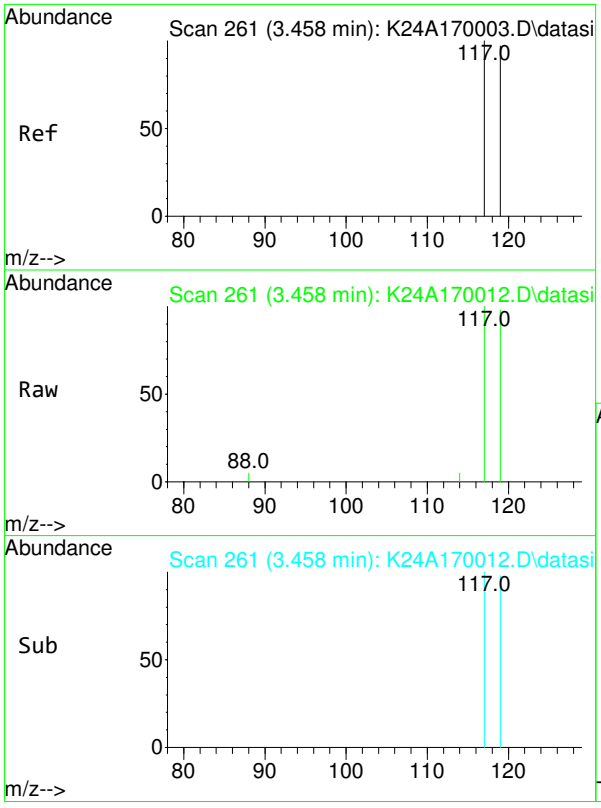


#76
1,2-DICHLOROETHANE (SIM)
Concen: 0.02 PPBV m
RT: 3.172 min Scan# 226
Delta R.T. 0.003 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion: 62 Resp: 211

Ion	Ratio	Lower	Upper
62	100		
64	30.3	12.1	52.1

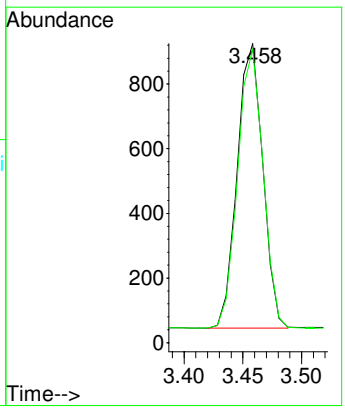


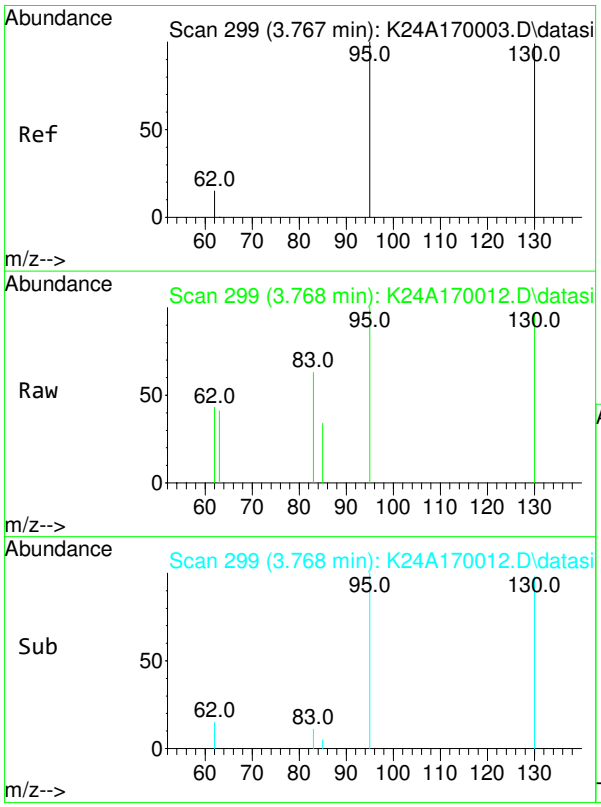


#78
CARBON TETRACHLORIDE (SIM)
Concen: 0.09 PPBV
RT: 3.458 min Scan# 261
Delta R.T. 0.004 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion:117 Resp: 1335

Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.8	115.8

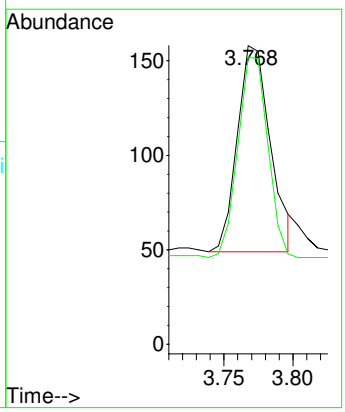


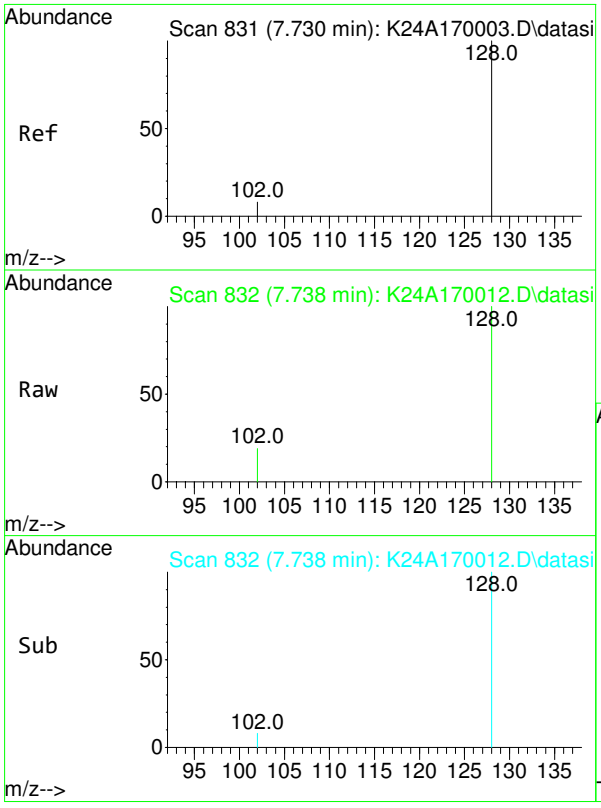


#81
TRICHLOROETHENE (SIM)
Concen: 0.02 PPBV
RT: 3.768 min Scan# 299
Delta R.T. -0.002 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion: 95 Resp: 182

Ion	Ratio	Lower	Upper
95	100		
130	87.9	66.1	106.1

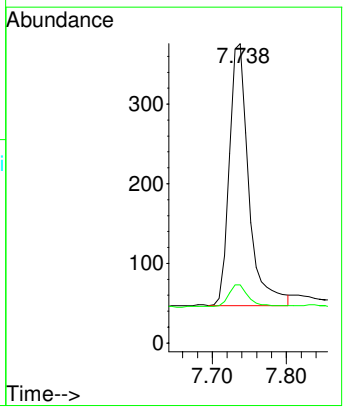




#89
NAPHTHALENE (SIM)
Concen: 0.03 PPBV
RT: 7.738 min Scan# 832
Delta R.T. 0.007 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion:128 Resp: 600

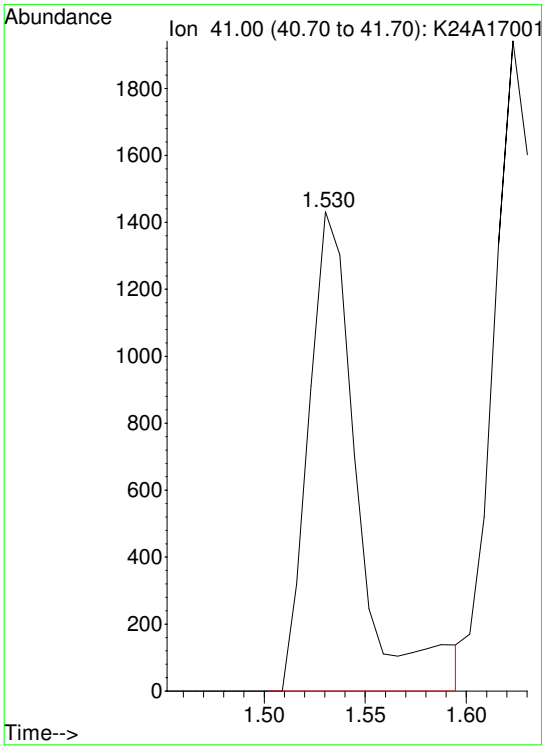
Ion	Ratio	Lower	Upper
128	100		
102	8.2	0.0	29.2



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170012.D
Acq On : 18 Jun 2024 04:04 pm
Operator : CMR
Sample : 24F1161-03 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Wed Jun 19 11:14:58 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
PROPENE



Original Int. Results

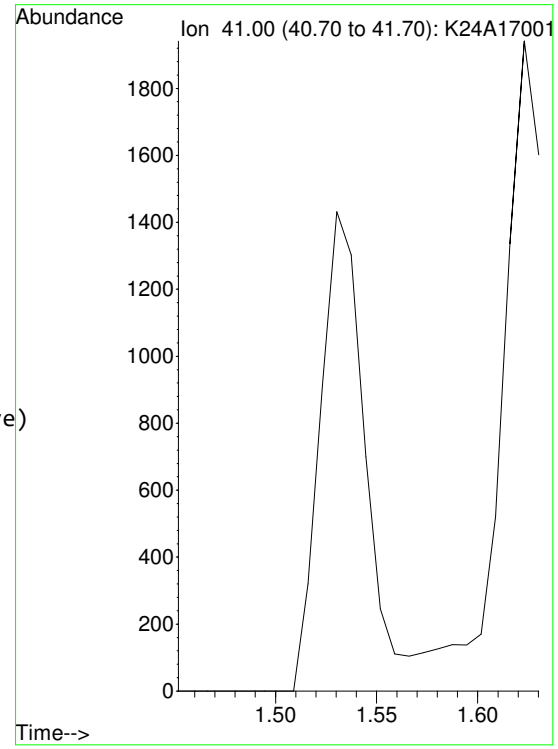
RT : 1.53
Area : 2415
Amount: 0.606666

Manual Int. Results

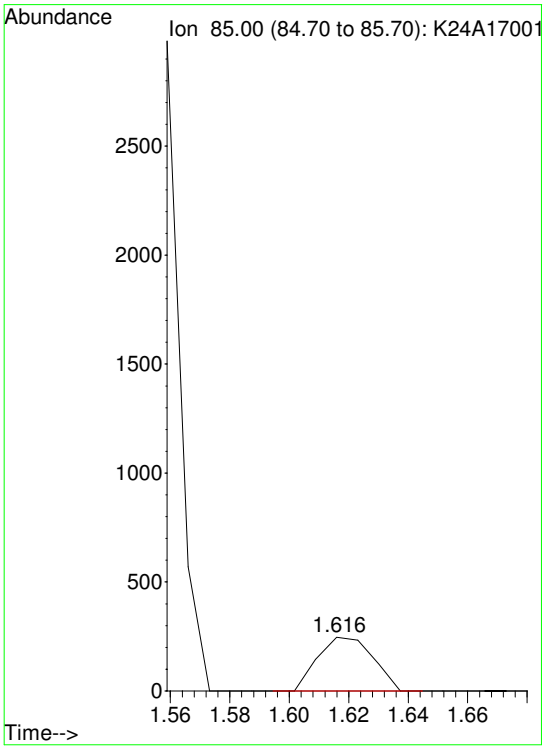
Wed Jun 19 11:13:35 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
FREON 114



Original Int. Results

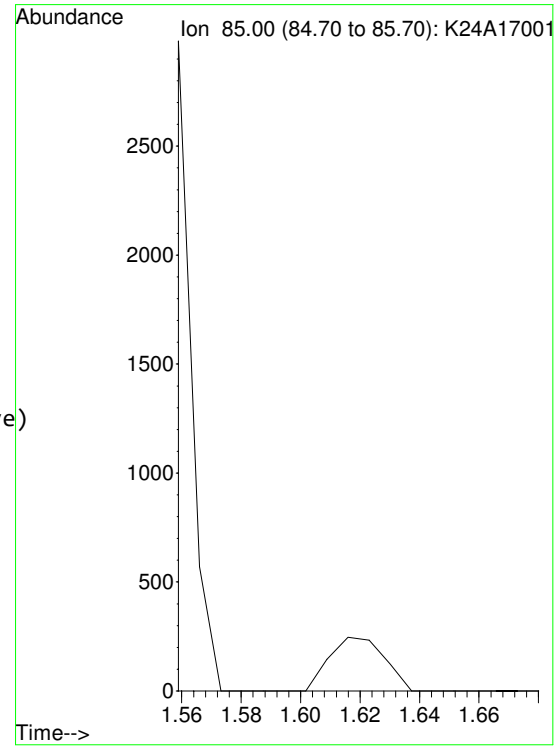
RT : 1.62
Area : 320
Amount: 0.0180856

Manual Int. Results

Wed Jun 19 11:13:41 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

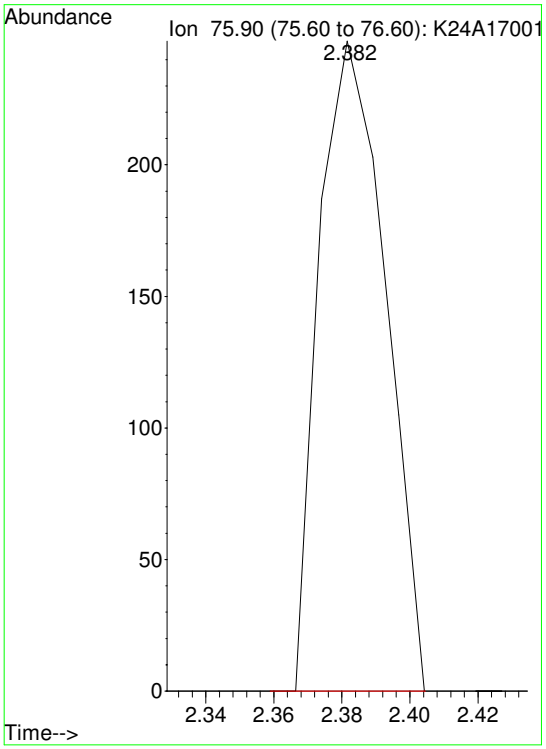
Manual Integration
FREON 114



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170012.D
Acq On : 18 Jun 2024 04:04 pm
Operator : CMR
Sample : 24F1161-03 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Wed Jun 19 11:14:58 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
CARBON DISULFIDE



Original Int. Results

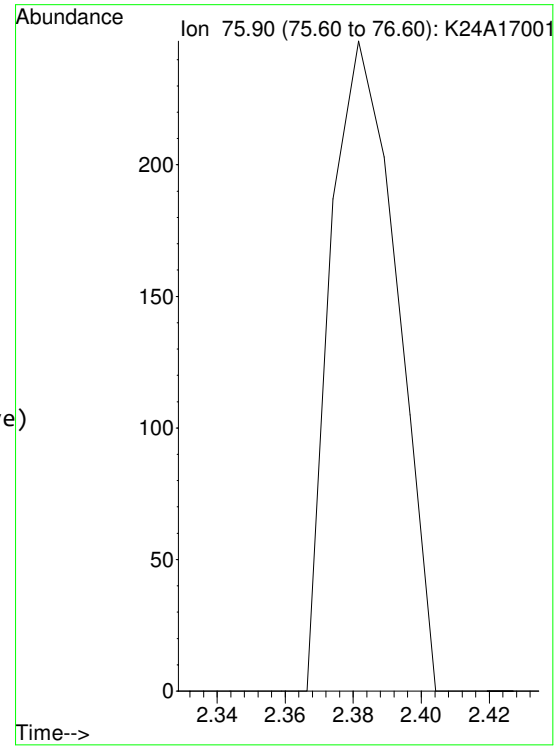
RT : 2.38
Area : 337
Amount: 0.0181279

Manual Int. Results

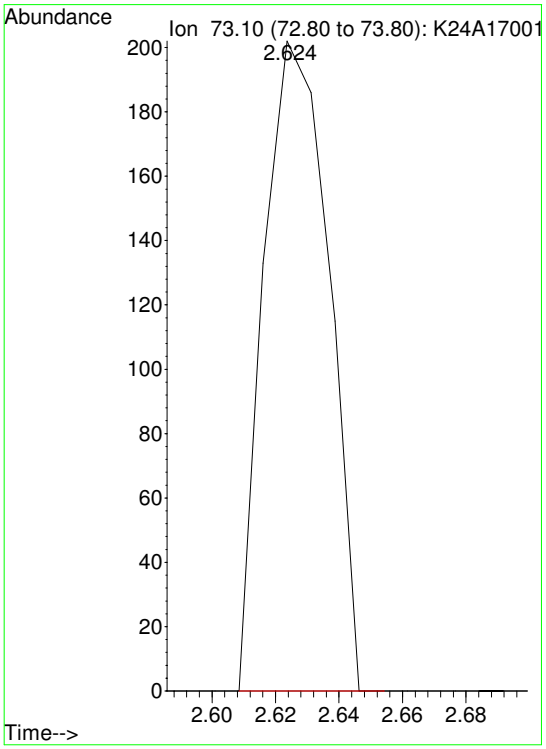
Wed Jun 19 11:13:50 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON DISULFIDE



Original Integration
MTBE



Original Int. Results

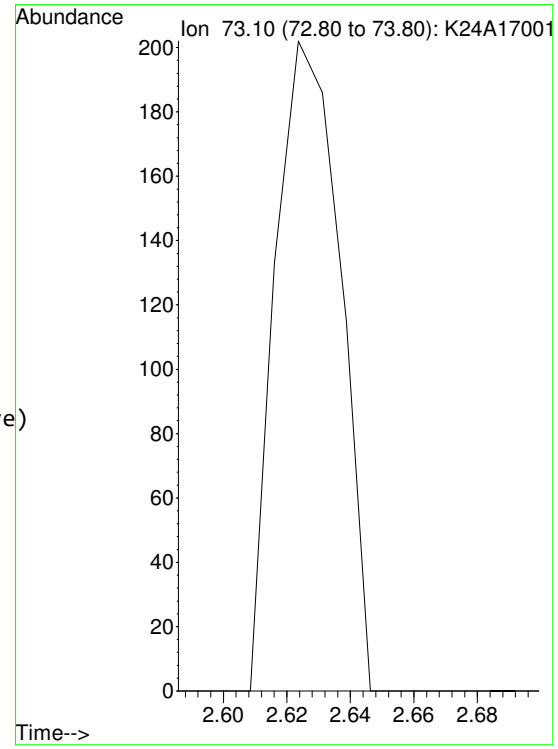
RT : 2.62
Area : 289
Amount: 0.0154382

Manual Int. Results

Wed Jun 19 11:13:52 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

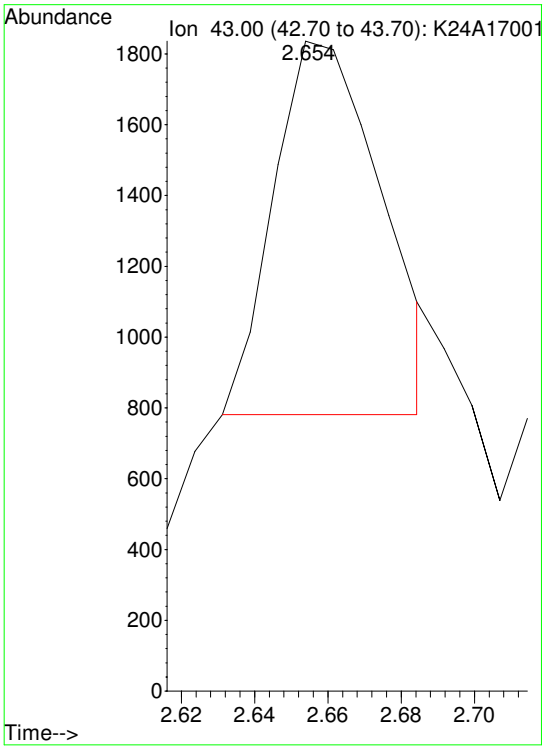
Manual Integration
MTBE



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170012.D
Acq On : 18 Jun 2024 04:04 pm
Operator : CMR
Sample : 24F1161-03 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Wed Jun 19 11:14:58 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
VINYL ACETATE



Original Int. Results

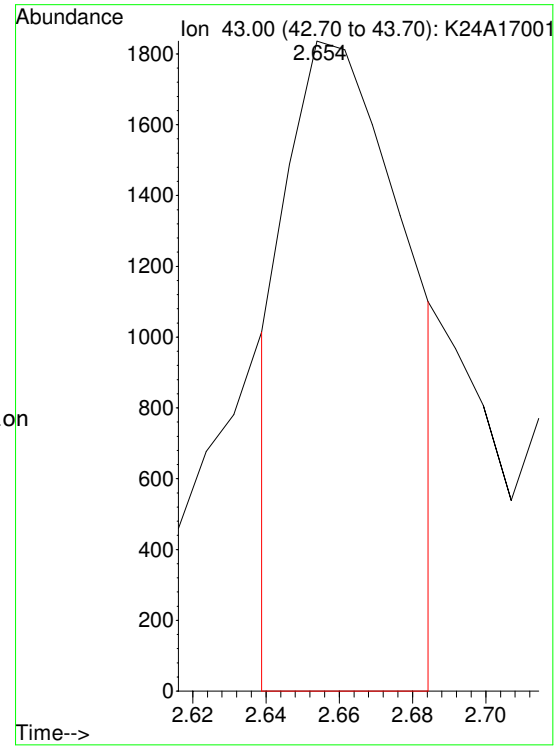
RT : 2.65
Area : 2146
Amount: 0.119188

Manual Int. Results

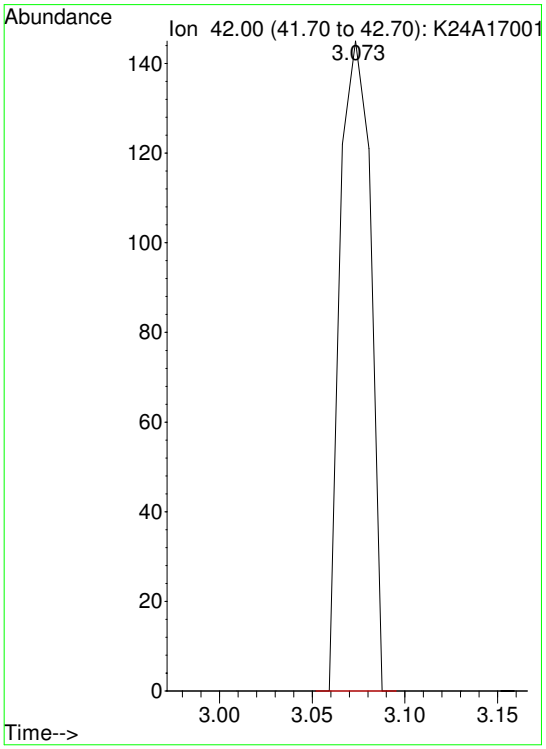
Wed Jun 19 11:14:00 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 2.65
Area : 4167
Amount: 0.231433

Manual Integration
VINYL ACETATE



Original Integration
TETRAHYDROFURAN



Original Int. Results

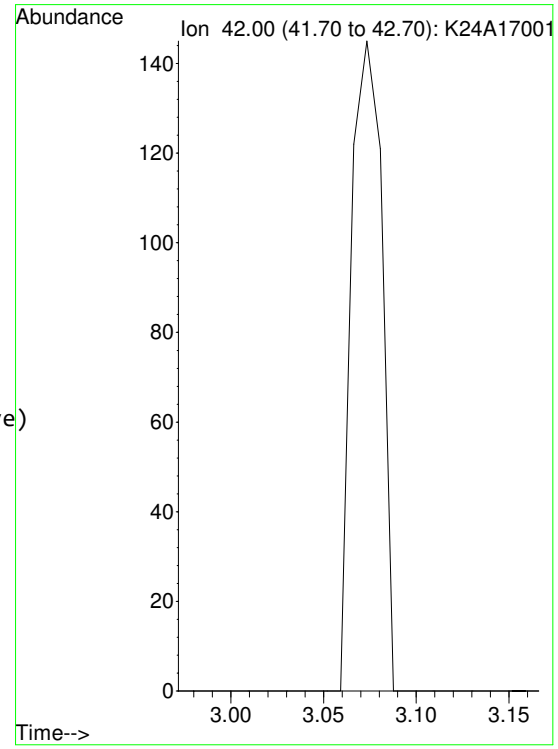
RT : 3.07
Area : 166
Amount: 0.028116

Manual Int. Results

Wed Jun 19 11:14:08 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

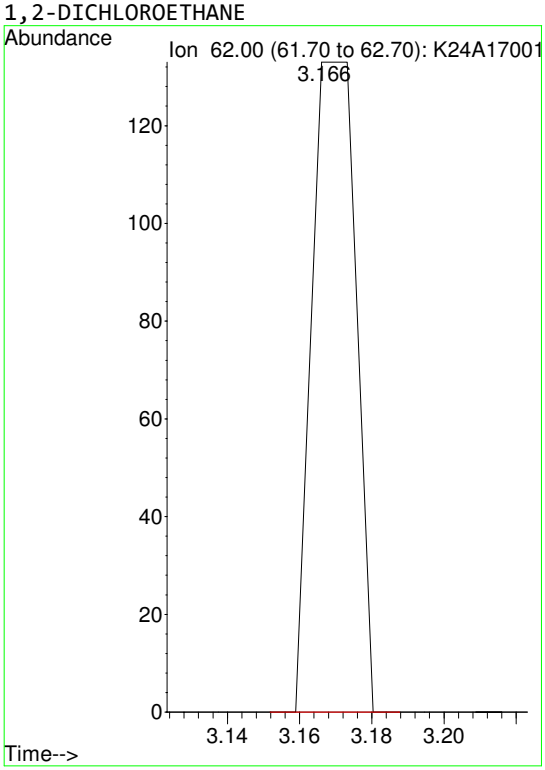
Manual Integration
TETRAHYDROFURAN



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170012.D
Acq On : 18 Jun 2024 04:04 pm
Operator : CMR
Sample : 24F1161-03 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Wed Jun 19 11:14:58 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
1,2-DICHLOROETHANE



Original Int. Results

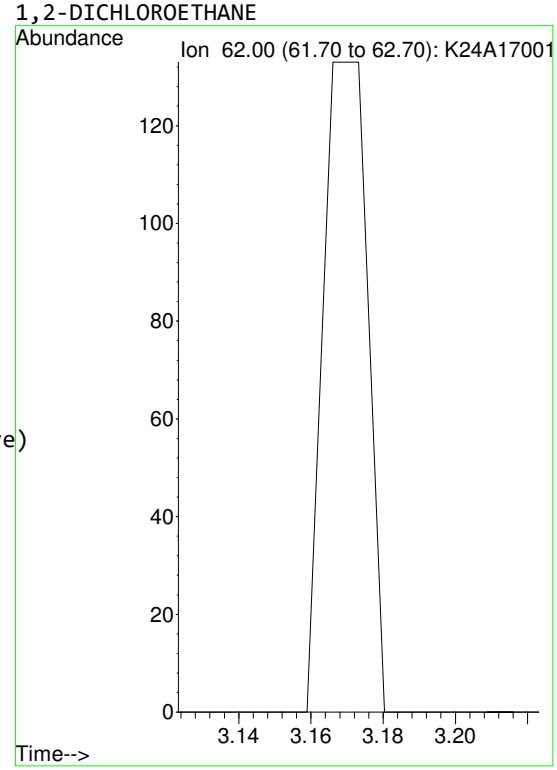
RT : 3.17
Area : 114
Amount: 0.0107082

Manual Int. Results

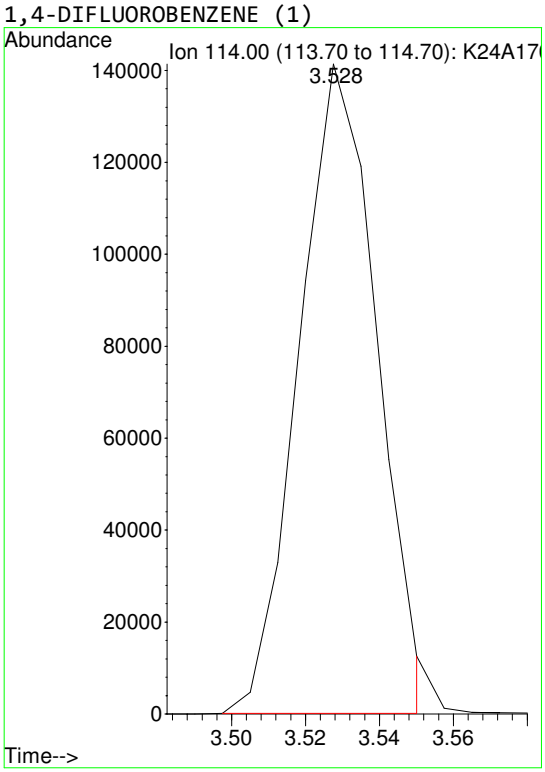
Wed Jun 19 11:14:10 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,2-DICHLOROETHANE



Original Integration
1,4-DIFLUOROBENZENE (1)



Original Int. Results

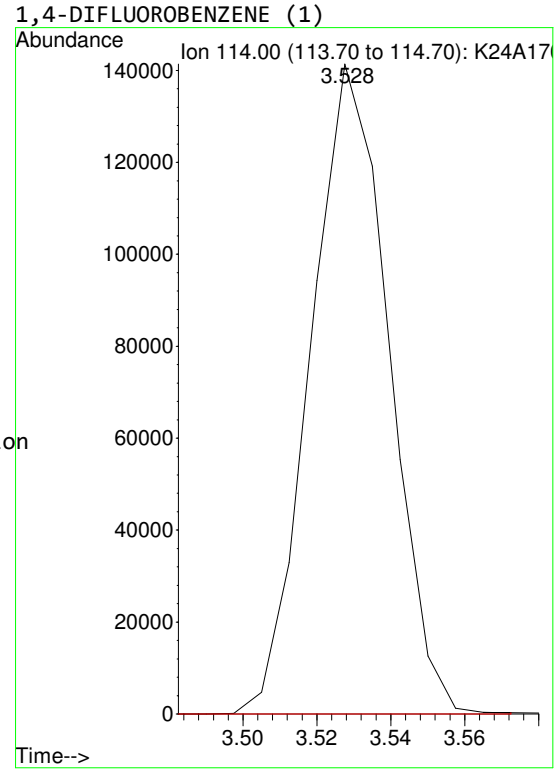
RT : 3.53
Area : 206734
Amount: 8

Manual Int. Results

Wed Jun 19 11:14:13 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 3.53
Area : 208172
Amount: 8

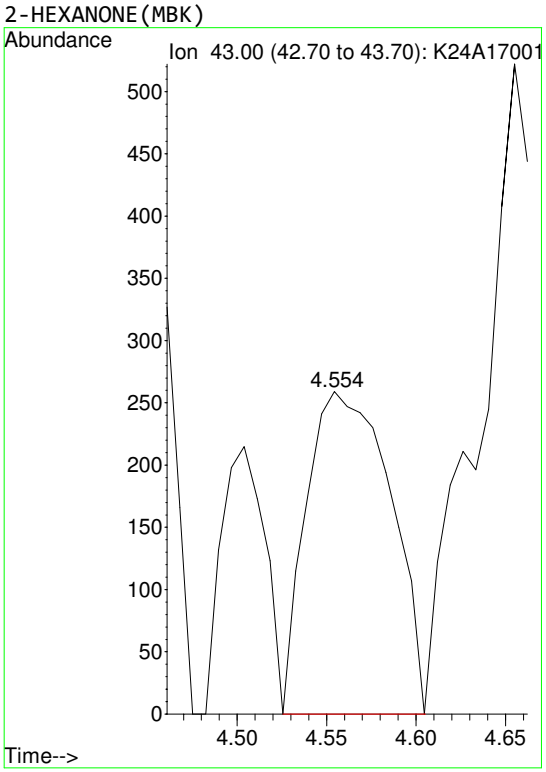
Manual Integration
1,4-DIFLUOROBENZENE (1)



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170012.D
Acq On : 18 Jun 2024 04:04 pm
Operator : CMR
Sample : 24F1161-03 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Wed Jun 19 11:14:58 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
2-HEXANONE(MBK)



Original Int. Results

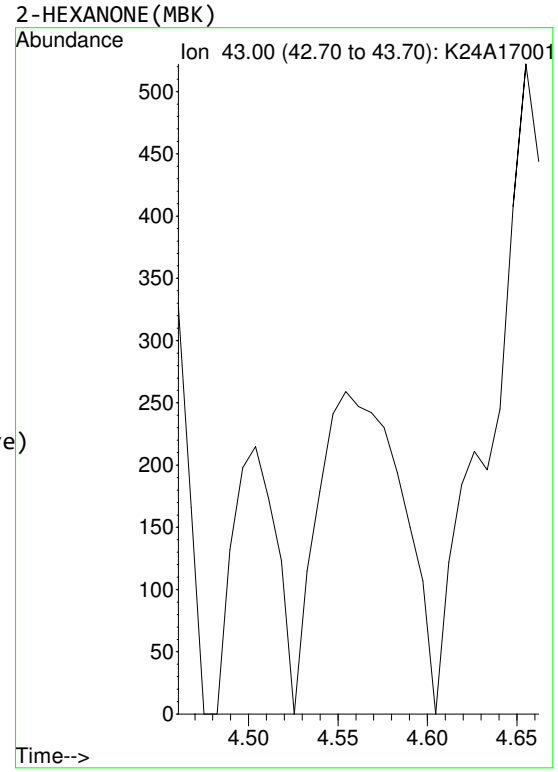
RT : 4.55
Area : 848
Amount: 0.057703

Manual Int. Results

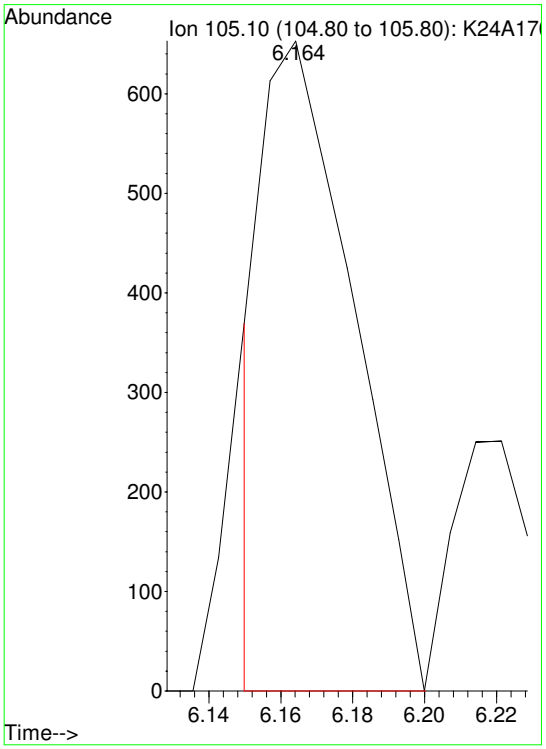
Wed Jun 19 11:14:25 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-HEXANONE(MBK)



Original Integration
4-ETHYLTOLUENE



Original Int. Results

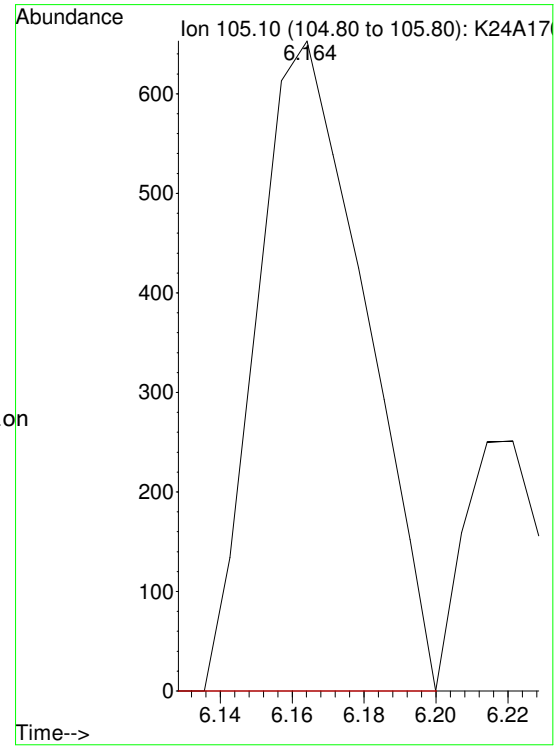
RT : 6.16
Area : 1149
Amount: 0.0353288

Manual Int. Results

Wed Jun 19 11:14:43 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 6.16
Area : 1365
Amount: 0.0419702

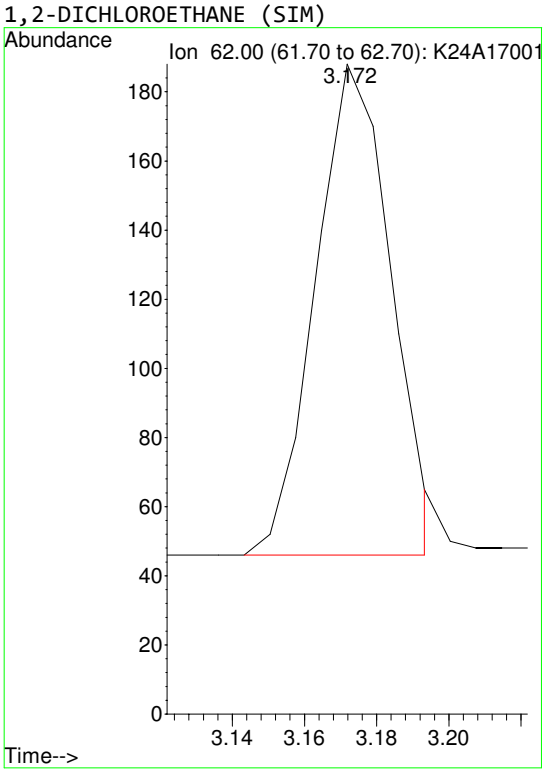
Manual Integration
4-ETHYLTOLUENE



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170012.D
Acq On : 18 Jun 2024 04:04 pm
Operator : CMR
Sample : 24F1161-03 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Wed Jun 19 11:14:58 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
1,2-DICHLOROETHANE (SIM)



Original Int. Results

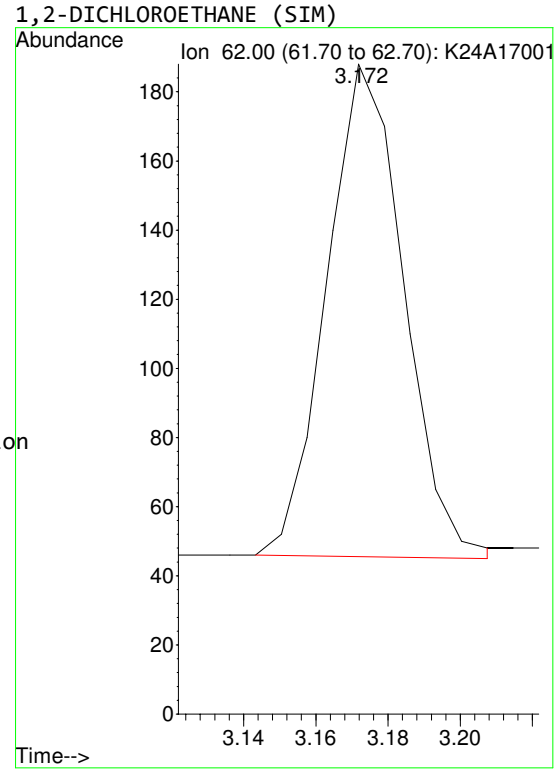
RT : 3.17
Area : 207
Amount: 0.0174378

Manual Int. Results

Wed Jun 19 11:14:58 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 3.17
Area : 211
Amount: 0.0177748

Manual Integration
1,2-DICHLOROETHANE (SIM)



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170012.D
Acq On : 18 Jun 2024 04:04 pm
Operator : CMR
Sample : 24F1161-03 0.7X Inst : SYSK
Misc : 1.5,1,200,430,0.7X
ALS Vial : 10 Sample Multiplier: 1
InstName : SYSK

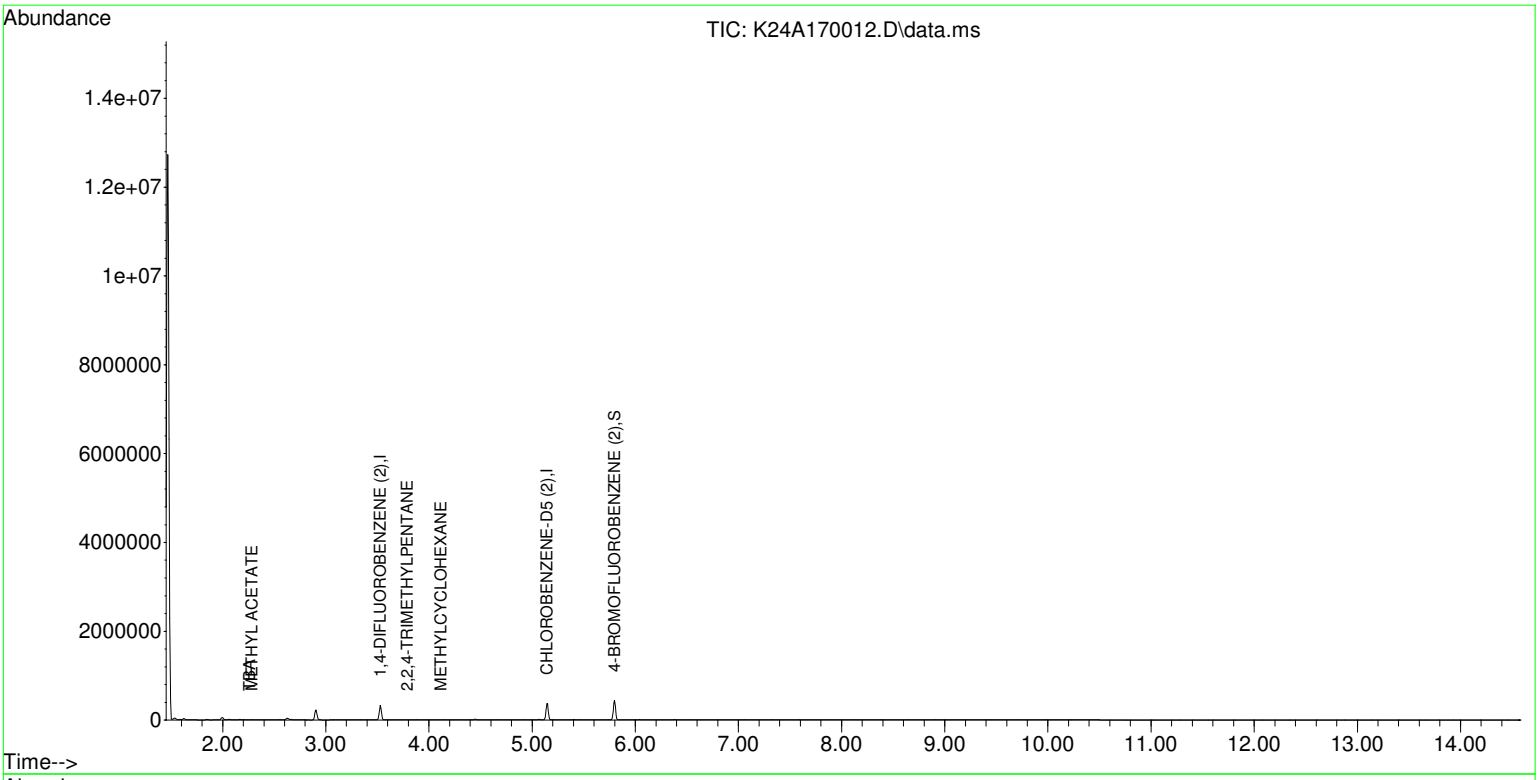
Quant Time: Jun 19 11:55:58 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX051524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed May 15 09:37:36 2024
Response via : Initial Calibration

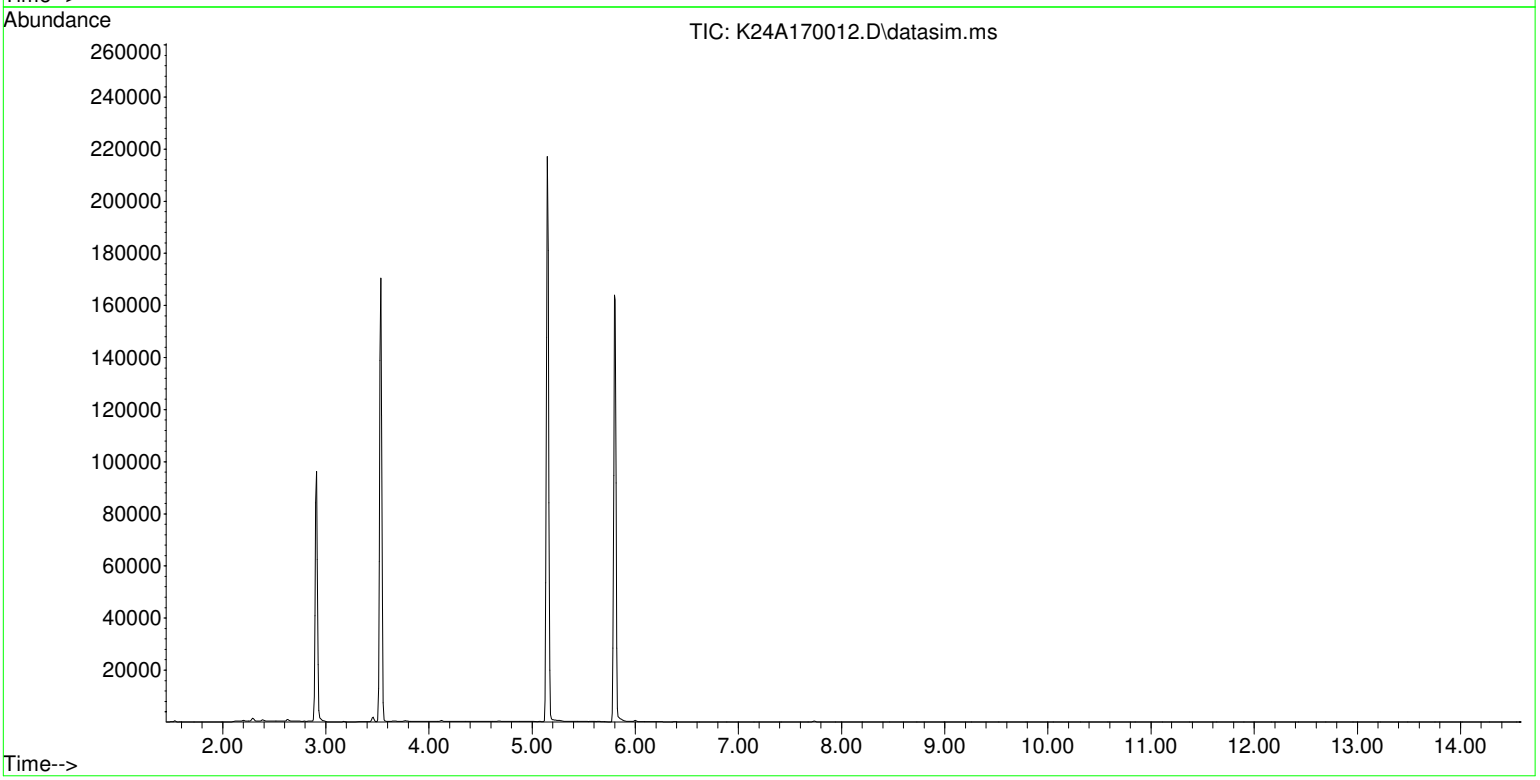
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-DIFLUOROBENZENE (2)	3.528	114	208059	8.000	PPBV	0.00
7) CHLOROBENZENE-D5 (2)	5.142	54	41254	8.000	PPBV	0.00
System Monitoring Compounds						
10) 4-BROMOFLUOROBENZENE (2)	5.799	174	113320	10.072	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 125.88%			
Target Compounds						Qvalue
3) METHYL ACETATE	2.283	43	1766	0.096	PPBV #	52
4) TBA	2.261	59	958	0.045	PPBV #	29
5) 2,2,4-TRIMETHYLPENTANE	3.791	57	3046	0.059	PPBV #	83
6) METHYLCYCLOHEXANE	4.115	83	446	0.024	PPBV #	80

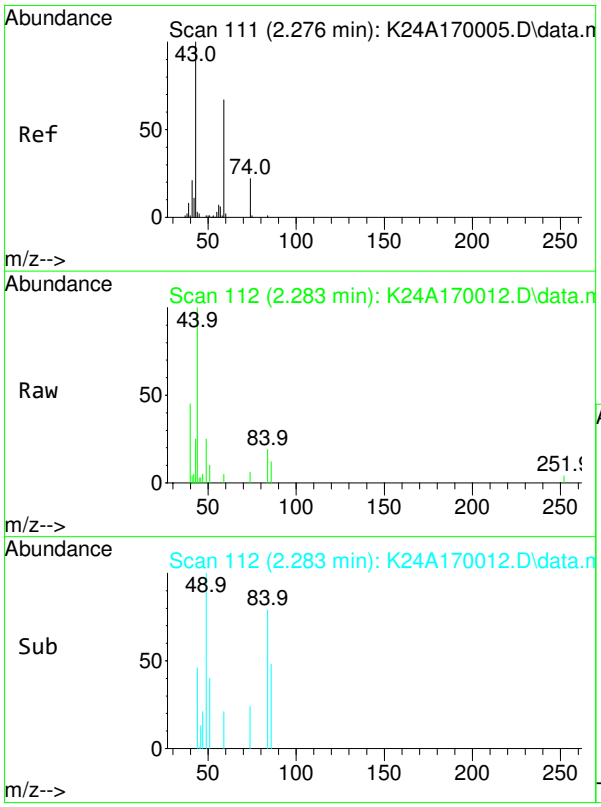
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170012.D
Acq On : 18 Jun 2024 04:04 pm
Operator : CMR
Sample : 24F1161-03 0.7X Inst : SYSK
Misc : 1.5,1,200,430,0.7X
ALS Vial : 10 Sample Multiplier: 1
InstName : SYSK

Quant Time: Jun 19 11:55:58 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX051524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed May 15 09:37:36 2024
Response via : Initial Calibration



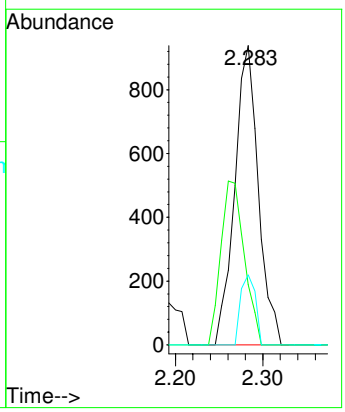


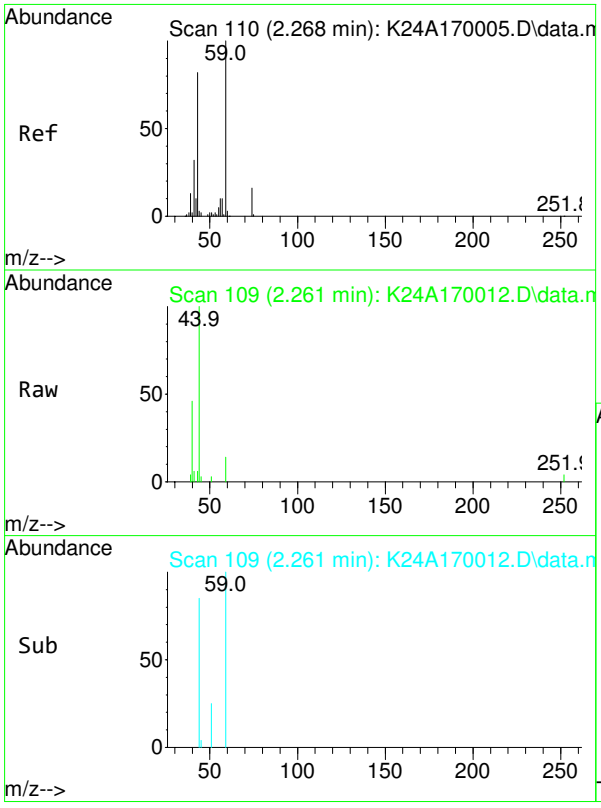


#3
METHYL ACETATE
Concen: 0.10 PPBV
RT: 2.283 min Scan# 112
Delta R.T. 0.015 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion: 43 Resp: 1766

Ion	Ratio	Lower	Upper
43	100		
59	54.2	91.3	131.3#
74	14.6	0.0	33.8

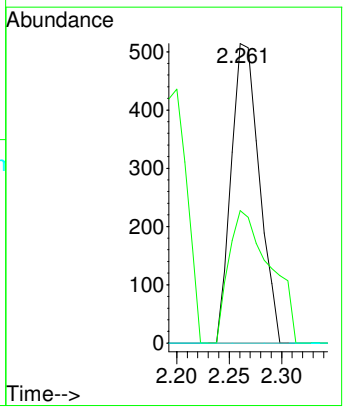


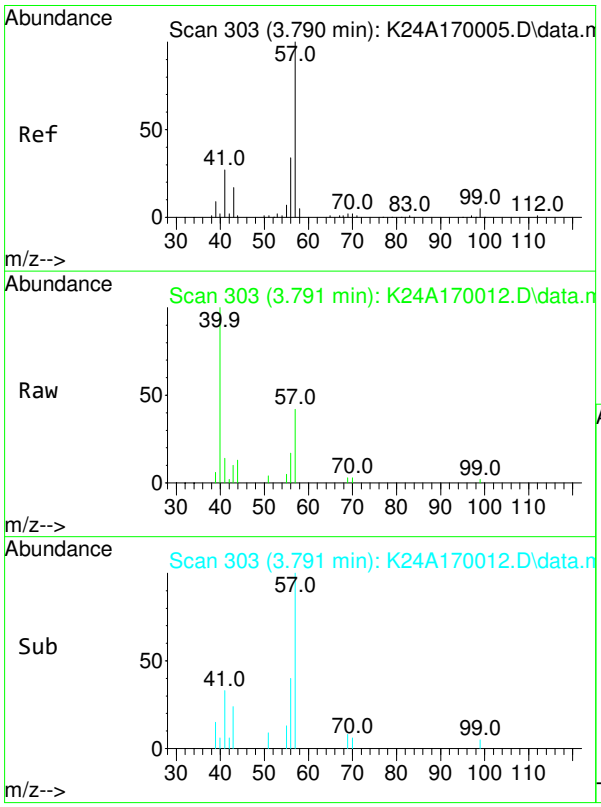


#4
TBA
Concen: 0.04 PPBV
RT: 2.261 min Scan# 109
Delta R.T. -0.000 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion: 59 Resp: 958

Ion	Ratio	Lower	Upper
59	100		
41	65.8	2.2	42.2#
57	0.0	0.0	30.9

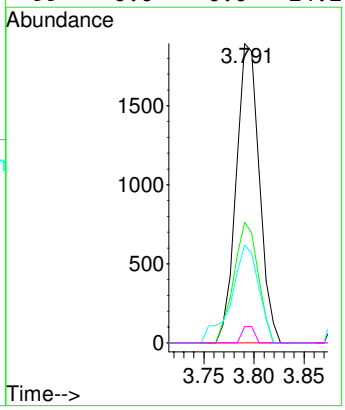


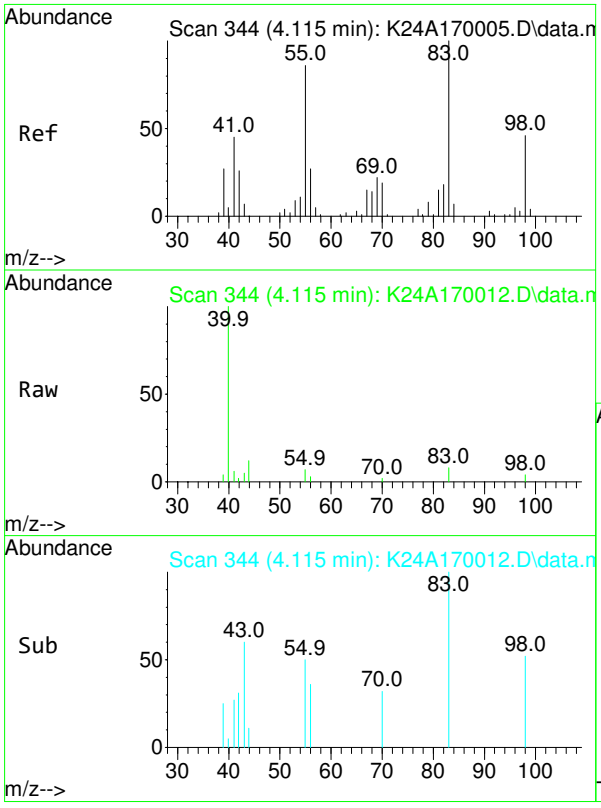


#5
2,2,4-TRIMETHYLPENTANE
Concen: 0.06 PPBV
RT: 3.791 min Scan# 303
Delta R.T. 0.000 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion: 57 Resp: 3046

Ion	Ratio	Lower	Upper
57	100		
56	42.3	13.0	53.0
41	38.7	8.8	48.8
99	0.0	0.0	24.2

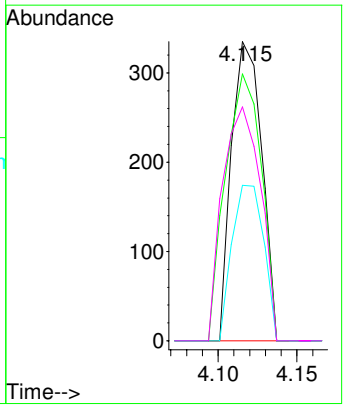




#6
METHYLCYCLOHEXANE
Concen: 0.02 PPBV
RT: 4.115 min Scan# 344
Delta R.T. 0.000 min
Lab File: K24A170012.D
Acq: 18 Jun 2024 04:04 pm

Tgt Ion: 83 Resp: 446

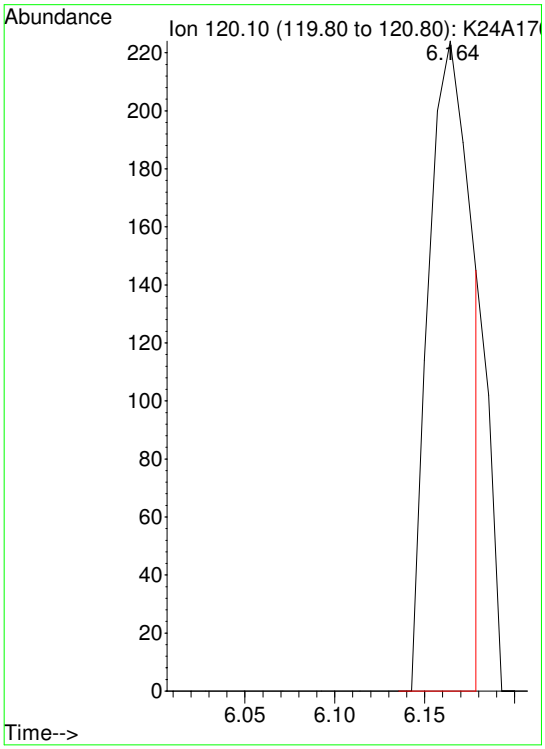
Ion	Ratio	Lower	Upper
83	100		
55	106.1	96.7	136.7
98	54.3	27.9	67.9
41	98.2	41.8	81.8#



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170012.D
Acq On : 18 Jun 2024 04:04 pm
Operator : CMR
Sample : 24F1161-03 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Wed Jun 19 11:58:05 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX051524.M
QLast Update : Wed May 15 09:37:36 2024

Original Integration
PROPYLBENZENE



Original Int. Results

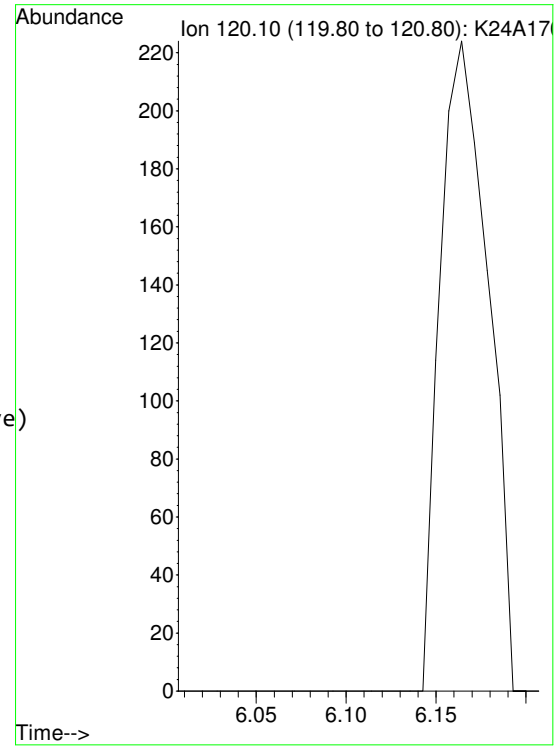
RT : 6.16
Area : 374
Amount: 0.032624

Manual Int. Results

Wed Jun 19 11:58:03 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPYLBENZENE



1 - FORM I
ANALYSIS DATA SHEET

Exhaust Grab

Laboratory:	Pace New England			Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY			Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1
Matrix:	Other	Laboratory ID:	24F1161-04	File ID:	K24A170013.D
Sampled:	06/06/24 10:05	Prepared:	06/18/24 00:00	Analyzed:	06/18/24 16:42
Solids:		Preparation:	TO-15 Prep	Dilution:	0.698
Initial/Final:	400 mL / 400 mL				
Batch:	B377758	Sequence:	S106148	Calibration:	2400609
				Instrument:	SYSK

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
71-43-2	Benzene	0.65	0.011	0.035	
100-44-7	Benzyl chloride		0.018	0.070	
75-27-4	Bromodichloromethane		0.014	0.035	
75-25-2	Bromoform		0.0084	0.035	
74-83-9	Bromomethane		0.030	0.035	
78-93-3	2-Butanone (MEK)	1.9	0.68	1.4	
75-65-0	tert-Butyl Alcohol (TBA)	0.096	0.054	0.14	J
56-23-5	Carbon Tetrachloride	0.066	0.027	0.035	L-03
108-90-7	Chlorobenzene		0.012	0.035	
75-00-3	Chloroethane		0.032	0.035	
67-66-3	Chloroform	0.48	0.017	0.035	
74-87-3	Chloromethane	0.32	0.047	0.070	
110-82-7	Cyclohexane	0.51	0.027	0.035	
124-48-1	Dibromochloromethane		0.023	0.035	
106-93-4	1,2-Dibromoethane (EDB)		0.022	0.035	
95-50-1	1,2-Dichlorobenzene		0.011	0.035	
541-73-1	1,3-Dichlorobenzene		0.011	0.035	
106-46-7	1,4-Dichlorobenzene	0.057	0.017	0.035	
75-71-8	Dichlorodifluoromethane (Freon 12)	0.40	0.015	0.035	
75-34-3	1,1-Dichloroethane		0.017	0.035	L-03, V-05
107-06-2	1,2-Dichloroethane		0.013	0.035	
75-35-4	1,1-Dichloroethylene		0.024	0.035	
156-59-2	cis-1,2-Dichloroethylene		0.017	0.035	
156-60-5	trans-1,2-Dichloroethylene		0.016	0.035	L-03, V-05
78-87-5	1,2-Dichloropropane		0.026	0.035	
10061-01-5	cis-1,3-Dichloropropene		0.018	0.035	
10061-02-6	trans-1,3-Dichloropropene		0.034	0.035	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.014	0.035	
123-91-1	1,4-Dioxane		0.17	0.35	

1 - FORM I
ANALYSIS DATA SHEET

Exhaust Grab

Laboratory:	Pace New England			Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY			Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1
Matrix:	Other	Laboratory ID:	24F1161-04	File ID:	K24A170013.D
Sampled:	06/06/24 10:05	Prepared:	06/18/24 00:00	Analyzed:	06/18/24 16:42
Solids:		Preparation:	TO-15 Prep	Dilution:	0.698
Initial/Final:	400 mL / 400 mL				
Batch:	B377758	Sequence:	S106148	Calibration:	2400609
Instrument:	SYSK				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
100-41-4	Ethylbenzene	1.7	0.012	0.035	
142-82-5	Heptane	0.52	0.022	0.035	
87-68-3	Hexachlorobutadiene		0.021	0.035	
110-54-3	Hexane	1.3	0.73	1.4	J
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.017	0.035	
75-09-2	Methylene Chloride		0.094	0.35	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.017	0.035	
91-20-3	Naphthalene	0.22	0.028	0.035	V-35
100-42-5	Styrene	0.050	0.027	0.035	
79-34-5	1,1,2,2-Tetrachloroethane		0.0086	0.035	
108-88-3	Toluene	3.3	0.017	0.035	
120-82-1	1,2,4-Trichlorobenzene		0.020	0.035	
71-55-6	1,1,1-Trichloroethane		0.016	0.035	
79-00-5	1,1,2-Trichloroethane		0.012	0.035	
79-01-6	Trichloroethylene	0.51	0.027	0.035	
75-69-4	Trichlorofluoromethane (Freon 11)	0.20	0.014	0.14	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.061	0.0095	0.14	J
95-63-6	1,2,4-Trimethylbenzene	0.70	0.021	0.035	
108-67-8	1,3,5-Trimethylbenzene	0.17	0.027	0.035	
540-84-1	2,2,4-Trimethylpentane	0.092	0.030	0.093	J
75-01-4	Vinyl Chloride		0.018	0.035	
179601-23-1	m&p-Xylene	6.8	0.024	0.070	
95-47-6	o-Xylene	2.2	0.011	0.035	

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170013.D
Acq On : 18 Jun 2024 04:42 pm
Operator : CMR
Sample : 24F1161-04 0.7X Inst : SYSK
Misc : 1.5,1,200,430,0.7X
ALS Vial : 11 Sample Multiplier: 1
InstName : SYSK

Quant Time: Jun 19 11:05:12 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Apr 23 10:16:53 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.904	49	82386	8.000	PPBV	# 0.00
30) 1,4-DIFLUOROBENZENE (1)	3.535	114	221782m	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.150	117	206180	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.909	49	83408	8.000	PPBV	# 0.00
77) 1,4-DIFLUOROBENZENE (1...	3.533	114	229081	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.148	117	215041	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.799	174	120478	8.784	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 109.75%			
88) 4-BROMOFLUOROBENZENE (...	5.805	174	124000	8.787	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 109.87%			
Target Compounds						Qvalue
3) DICHLORODIFLUOROMETHANE	1.545	85	10324	0.570	PPBV	99
4) CHLOROMETHANE	1.587	50	3647	0.462	PPBV	96
10) ACROLEIN	1.958	56	3505	1.118	PPBV	89
11) ACETONE	2.001	43	185325	18.216	PPBV	98
12) TRICHLOROFLUOROMETHANE	2.051	101	5086	0.292	PPBV	99
13) ETHANOL	1.851	45	164223	105.557	PPBV	98
15) METHYLENE CHLORIDE	2.291	49	1219	0.133	PPBV	96
16) FREON 113	2.382	101	1202m	0.087	PPBV	
21) IPA	2.072	45	12992	0.899	PPBV	86
22) 2-BUTANONE(MEK)	2.737	43	40473	2.734	PPBV	88
24) VINYL ACETATE	2.677	43	49000m	2.684	PPBV	
25) HEXANE	2.934	41	15366m	1.871	PPBV	
27) CHLOROFORM	2.949	83	10487m	0.684	PPBV	
28) TETRAHYDROFURAN	3.073	42	4881	0.815	PPBV	90
32) BENZENE	3.407	78	20950	0.930	PPBV	100
33) CARBON TETRACHLORIDE	3.452	117	1395	0.094	PPBV	96
34) CYCLOHEXANE	3.497	84	6987	0.728	PPBV #	56
37) TRICHLOROETHENE	3.769	95	7692	0.725	PPBV #	79
40) HEPTANE	3.899	57	6065	0.744	PPBV	97
46) TOLUENE	4.454	91	129282	4.710	PPBV	99
50) TETRACHLOROETHENE	4.892	166	1056918	93.335	PPBV	92
52) ETHYLBENZENE	5.330	91	83414	2.413	PPBV	95
53) M/P-XYLENE	5.405	91	273392	9.804	PPBV	93
55) STYRENE	5.555	104	1277	0.071	PPBV	94
56) O-XYLENE	5.600	91	83907	3.122	PPBV	95
59) 4-ETHYLTOLUENE	6.164	105	27665m	0.797	PPBV	
60) 1,3,5-TRIMETHYLBENZENE	6.214	105	6104	0.239	PPBV	99
61) 1,2,4-TRIMETHYLBENZENE	6.415	105	27663	1.001	PPBV #	95
64) 1,4-DICHLOROBENZENE	6.508	146	1220	0.082	PPBV	96
67) NAPHTHALENE	7.725	128	6366	0.321	PPBV #	93
74] CIS-1,2-DICHLOROETHENE...	2.864	61	164	0.015	PPBV	76
75] CHLOROFORM (SIM)	2.955	83	10550	0.722	PPBV	97
76] 1,2-DICHLOROETHANE (SIM)	3.179	62	254m	0.021	PPBV	
78] CARBON TETRACHLORIDE (...	3.458	117	1393	0.088	PPBV	99
81] TRICHLOROETHENE (SIM)	3.775	95	7853	0.694	PPBV	85
89] NAPHTHALENE (SIM)	7.731	128	6368	0.284	PPBV	99

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170013.D
Acq On : 18 Jun 2024 04:42 pm
Operator : CMR
Sample : 24F1161-04 0.7X Inst : SYSK
Misc : 1.5,1,200,430,0.7X
ALS Vial : 11 Sample Multiplier: 1
InstName : SYSK

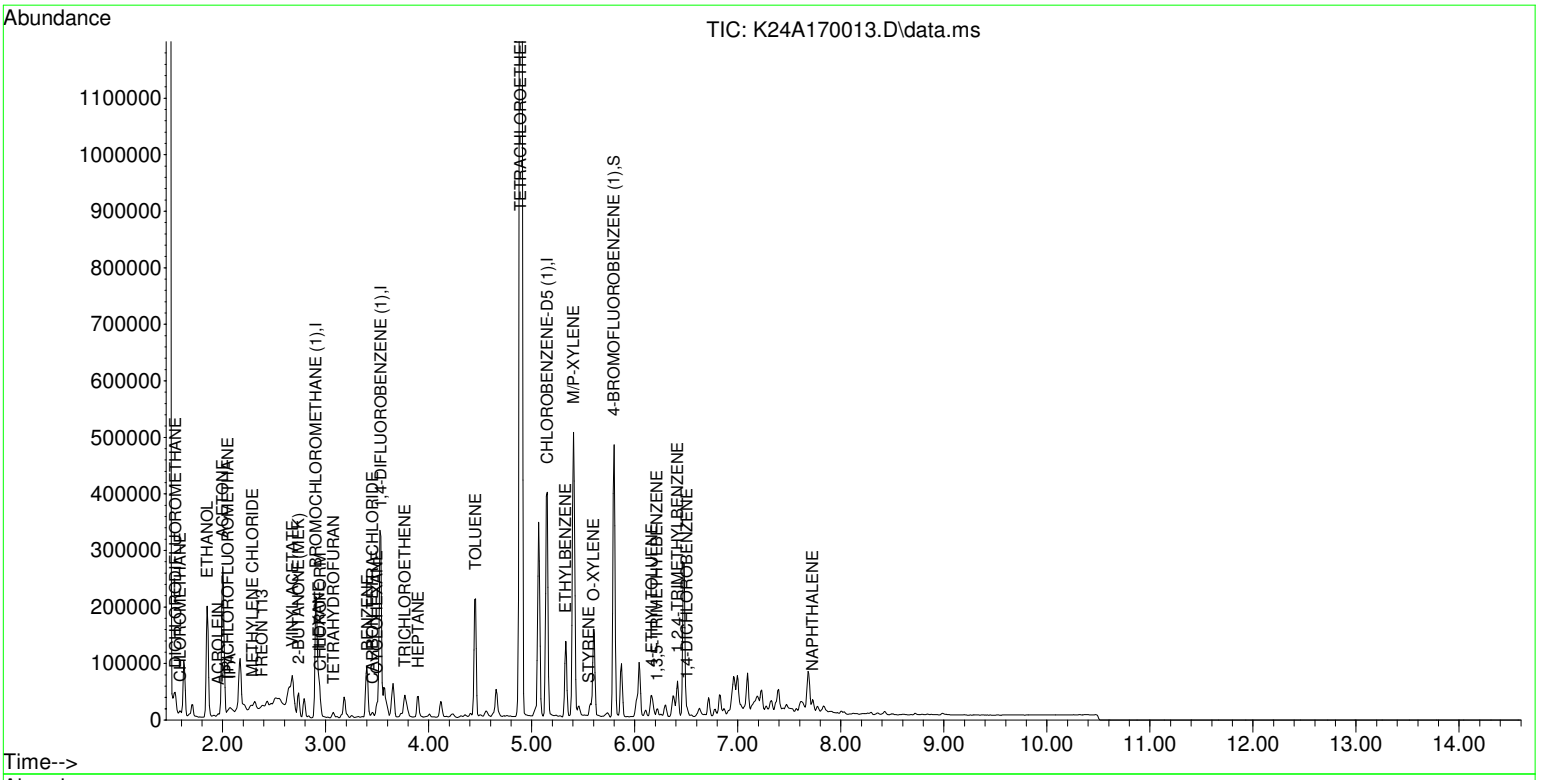
Quant Time: Jun 19 11:05:12 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Apr 23 10:16:53 2024
Response via : Initial Calibration

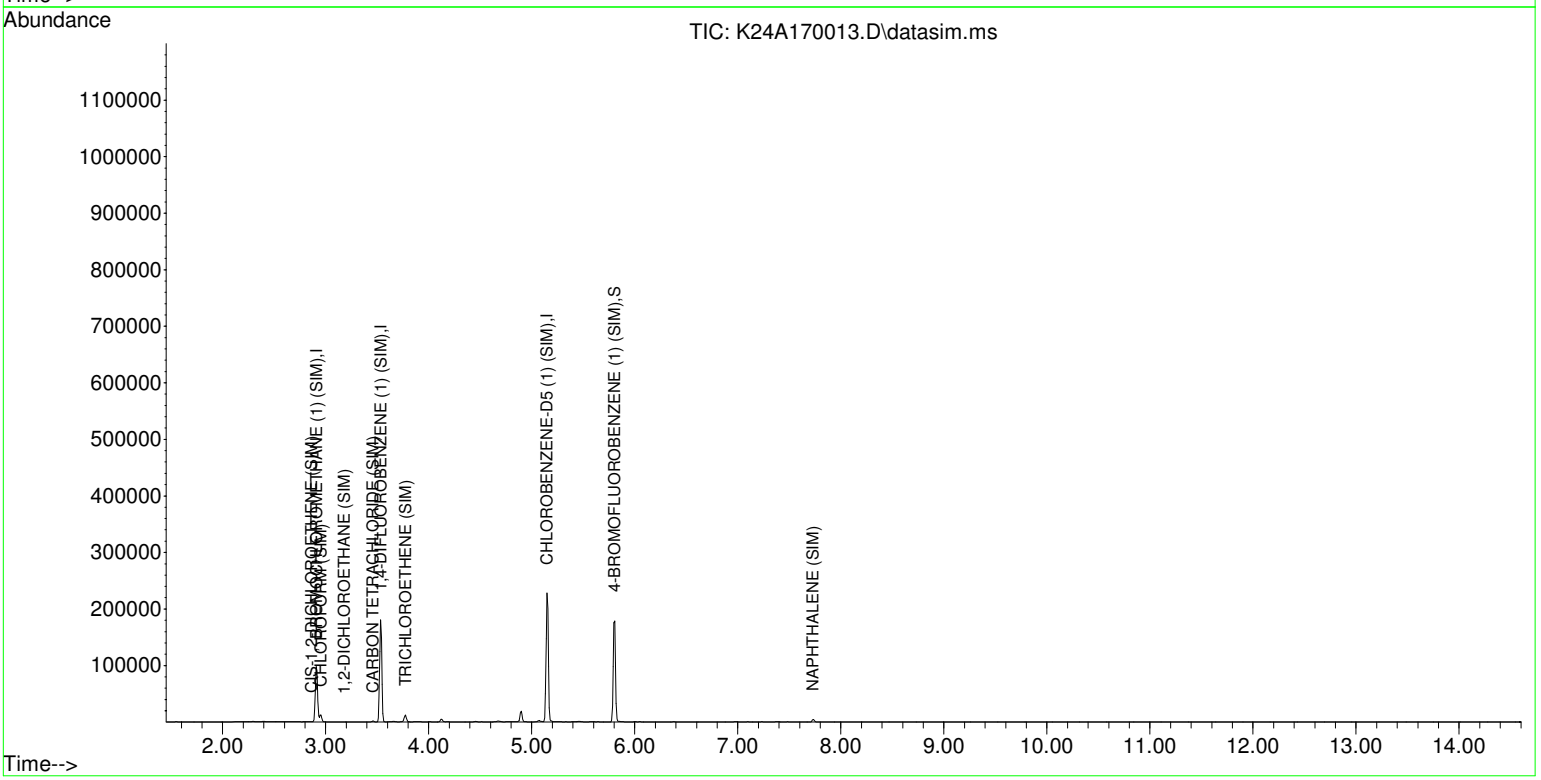
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

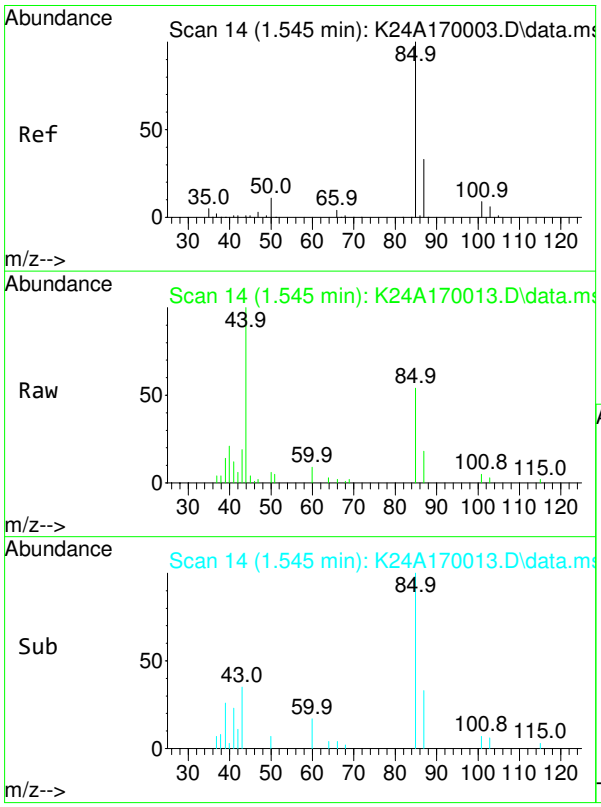
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170013.D
Acq On : 18 Jun 2024 04:42 pm
Operator : CMR
Sample : 24F1161-04 0.7X Inst : SYSK
Misc : 1.5,1,200,430,0.7X
ALS Vial : 11 Sample Multiplier: 1
InstName : SYSK

Quant Time: Jun 19 11:05:12 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Apr 23 10:16:53 2024
Response via : Initial Calibration



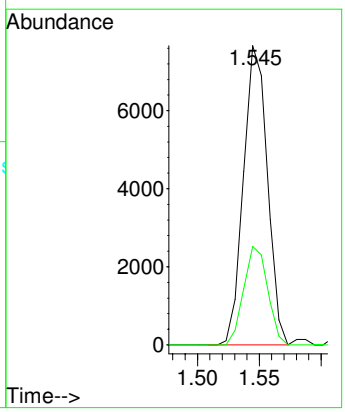


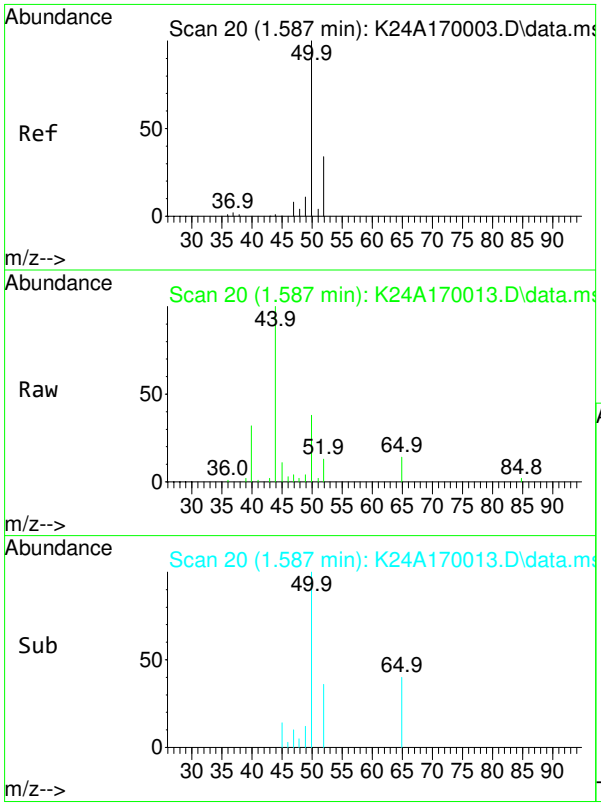


#3
DICHLORODIFLUOROMETHANE
Concen: 0.57 PPBV
RT: 1.545 min Scan# 14
Delta R.T. -0.002 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion: 85 Resp: 10324

Ion	Ratio	Lower	Upper
85	100		
87	32.9	12.3	52.3

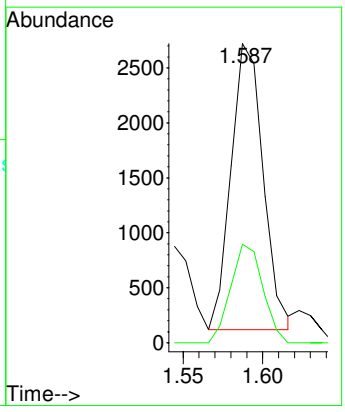


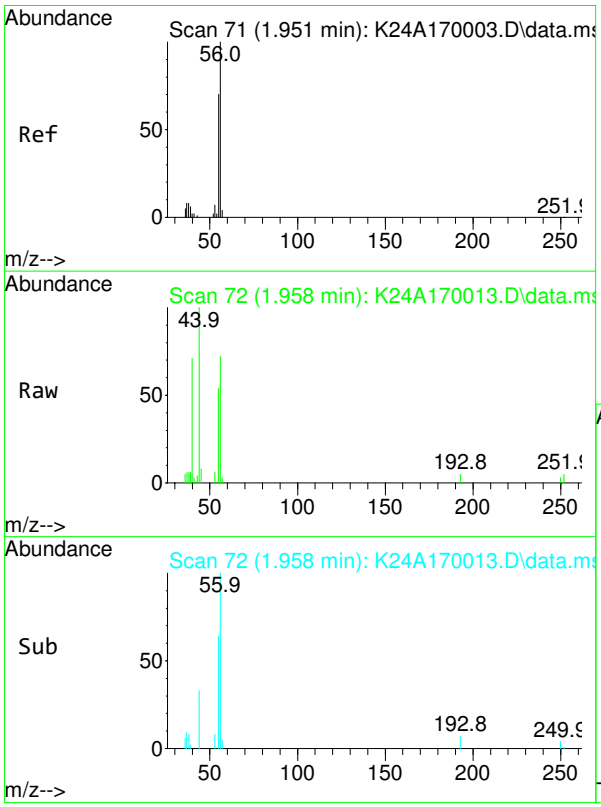


#4
CHLOROMETHANE
Concen: 0.46 PPBV
RT: 1.587 min Scan# 20
Delta R.T. -0.001 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion: 50 Resp: 3647

Ion	Ratio	Lower	Upper
50	100		
52	34.4	12.2	52.2

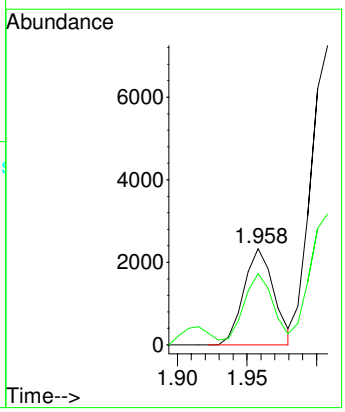


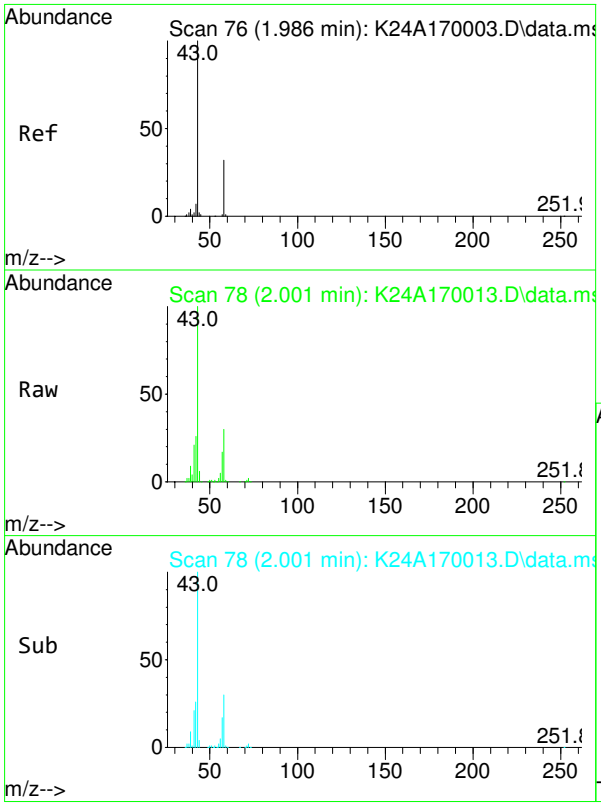


#10
ACROLEIN
Concen: 1.12 PPBV
RT: 1.958 min Scan# 72
Delta R.T. 0.007 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion: 56 Resp: 3505

Ion	Ratio	Lower	Upper
56	100		
55	64.0	58.6	87.8

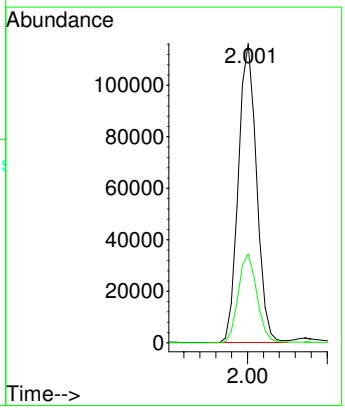


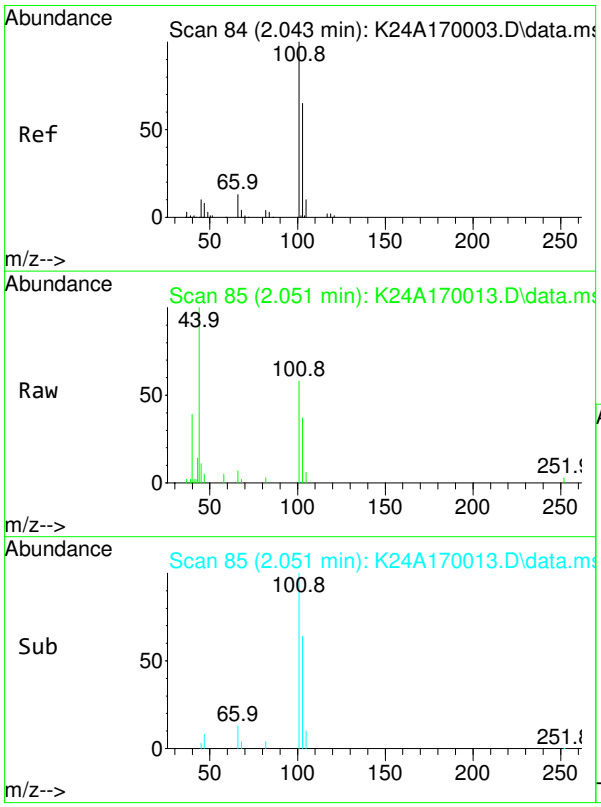


#11
ACETONE
Concen: 18.22 PPBV
RT: 2.001 min Scan# 78
Delta R.T. 0.015 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion: 43 Resp: 185325

Ion	Ratio	Lower	Upper
43	100		
58	30.4	9.1	49.1

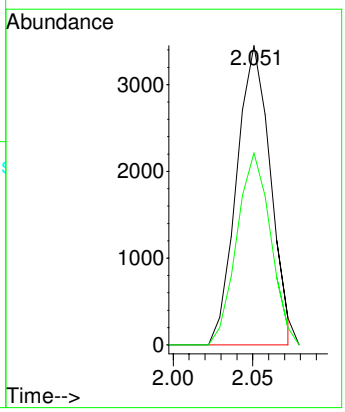


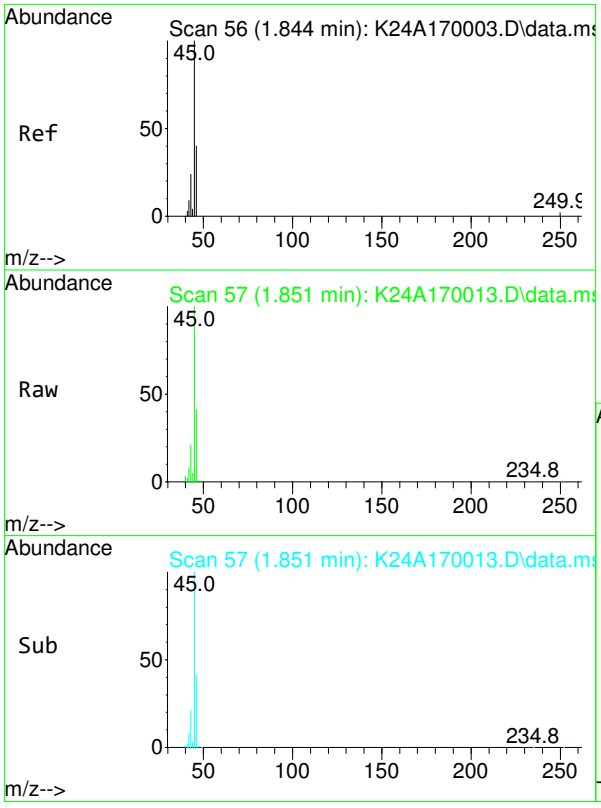


#12
TRICHLOROFLUOROMETHANE
Concen: 0.29 PPBV
RT: 2.051 min Scan# 85
Delta R.T. 0.003 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion:101 Resp: 5086

Ion	Ratio	Lower	Upper
101	100		
103	64.1	43.0	83.0

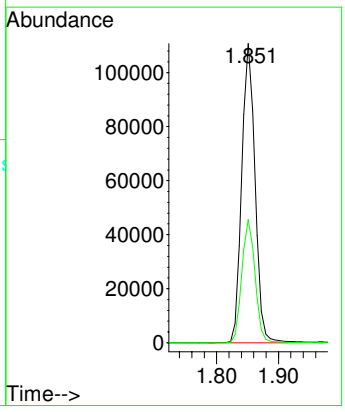


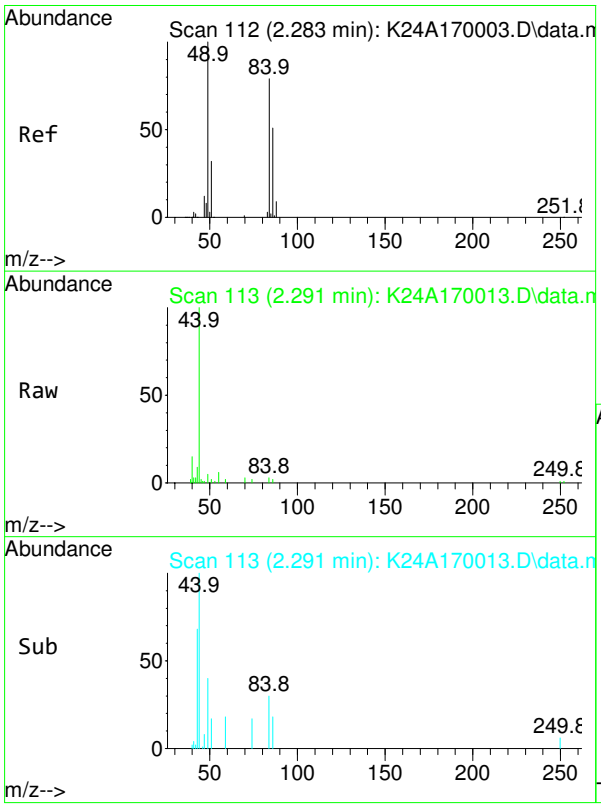


#13
ETHANOL
Concen: 105.56 PPBV
RT: 1.851 min Scan# 57
Delta R.T. 0.008 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion: 45 Resp: 164223

Ion	Ratio	Lower	Upper
45	100		
46	41.1	19.9	59.9

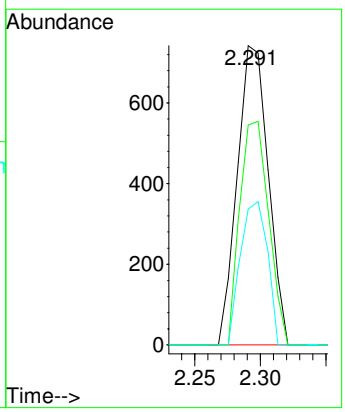


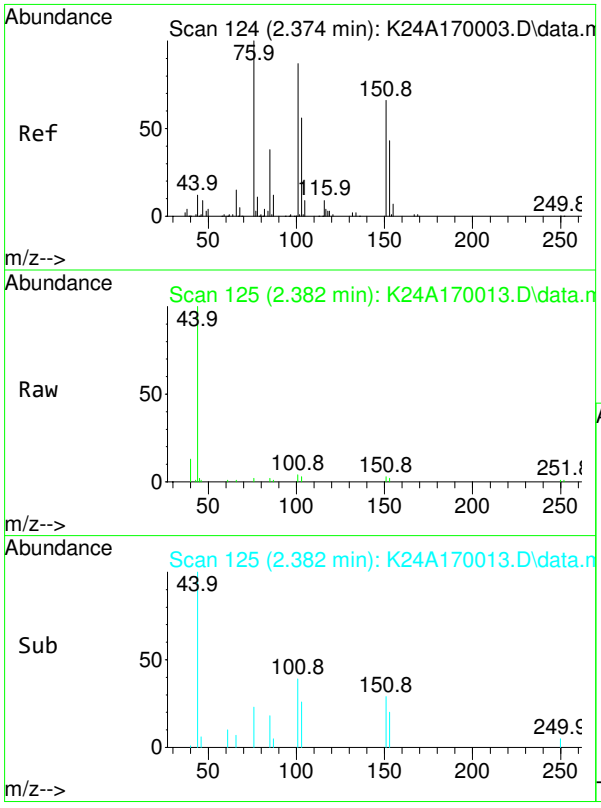


#15
METHYLENE CHLORIDE
Concen: 0.13 PPBV
RT: 2.291 min Scan# 113
Delta R.T. 0.008 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion: 49 Resp: 1219

Ion	Ratio	Lower	Upper
49	100		
84	69.6	44.5	84.5
86	41.7	21.1	61.1

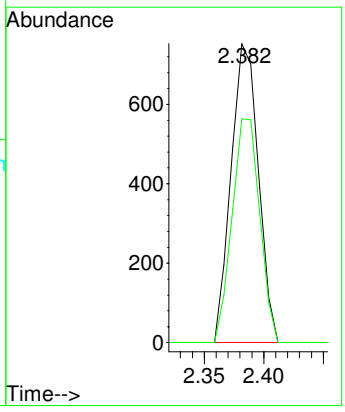


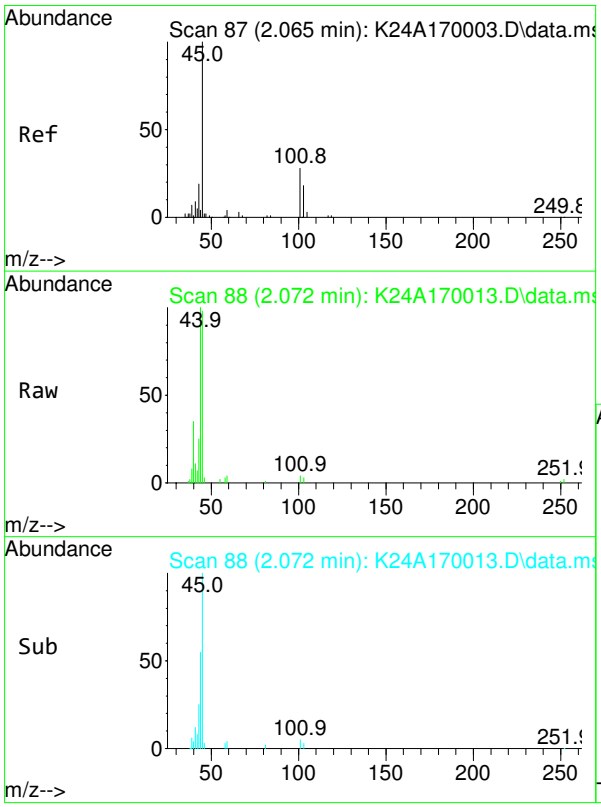


#16
FREON 113
Concen: 0.09 PPBV m
RT: 2.382 min Scan# 125
Delta R.T. 0.008 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion:101 Resp: 1202

Ion	Ratio	Lower	Upper
101	100		
151	75.9	39.0	79.0

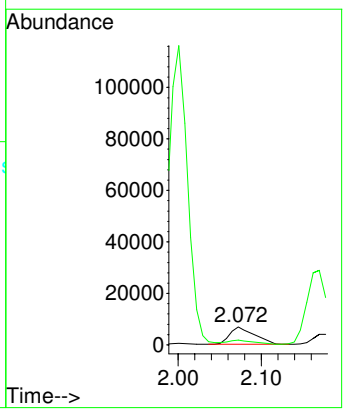


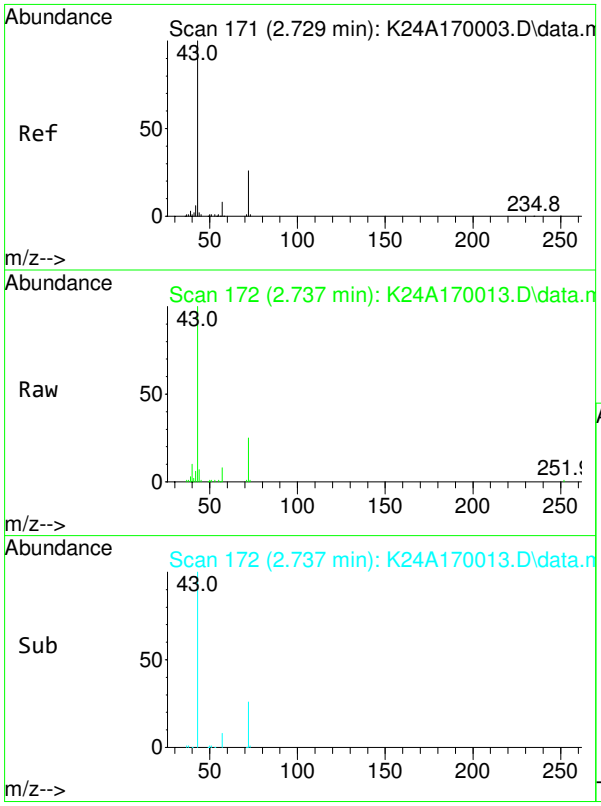


#21
IPA
Concen: 0.90 PPBV
RT: 2.072 min Scan# 88
Delta R.T. 0.009 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion: 45 Resp: 12992

Ion	Ratio	Lower	Upper
45	100		
43	26.7	0.2	40.2

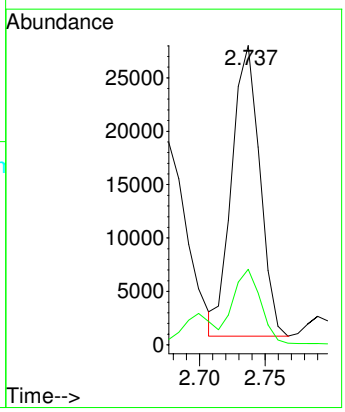


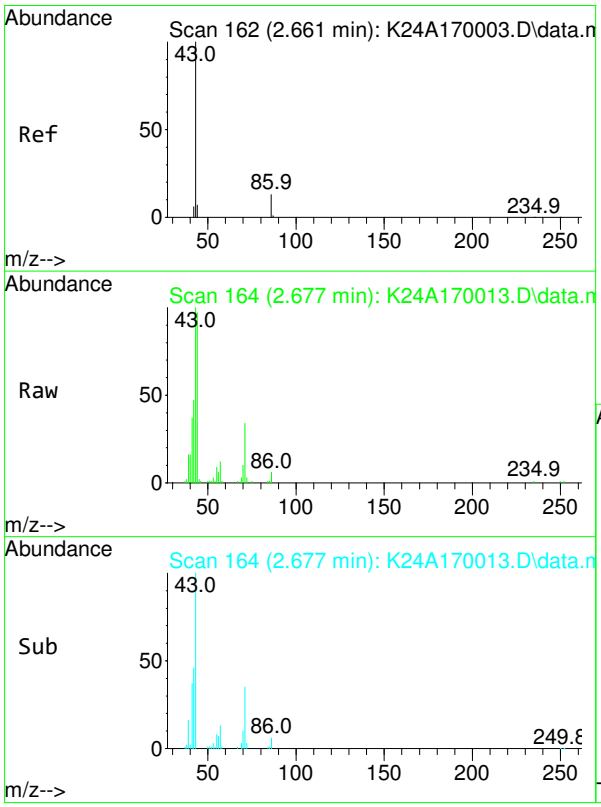


#22
2-BUTANONE(MEK)
Concen: 2.73 PPBV
RT: 2.737 min Scan# 172
Delta R.T. 0.009 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion: 43 Resp: 40473

Ion	Ratio	Lower	Upper
43	100		
72	25.4	0.0	39.8

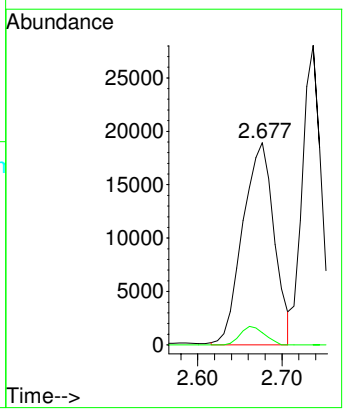


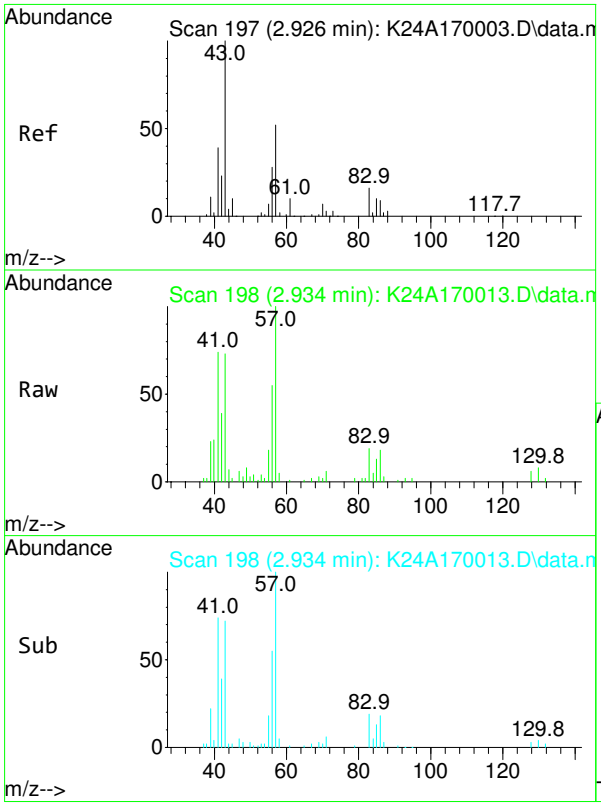


#24
VINYL ACETATE
Concen: 2.68 PPBV m
RT: 2.677 min Scan# 164
Delta R.T. 0.012 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion: 43 Resp: 49000

Ion	Ratio	Lower	Upper
43	100		
86	6.7	0.0	16.9

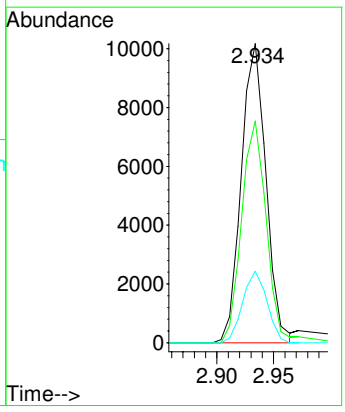


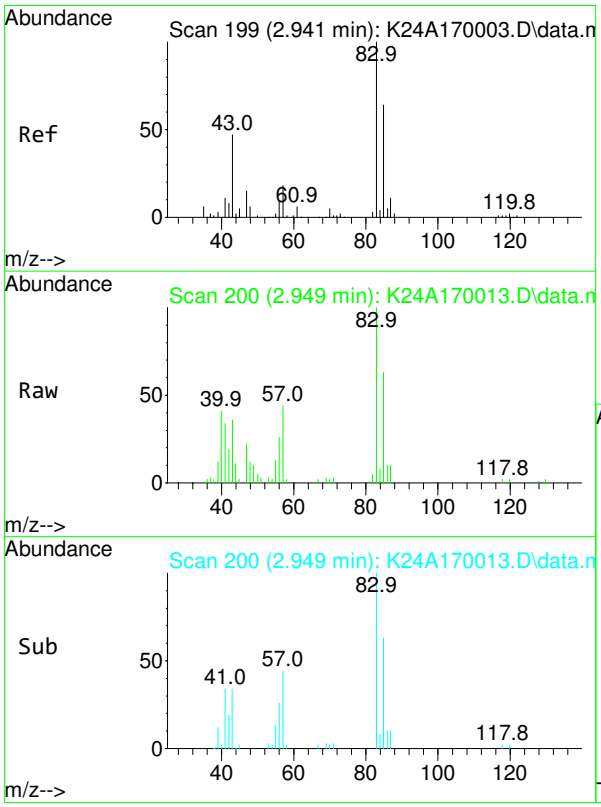


#25
HEXANE
Concen: 1.87 PPBV m
RT: 2.934 min Scan# 198
Delta R.T. 0.004 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion: 41 Resp: 15366

Ion	Ratio	Lower	Upper
41	100		
56	71.3	46.2	86.2
86	23.1	10.7	30.7

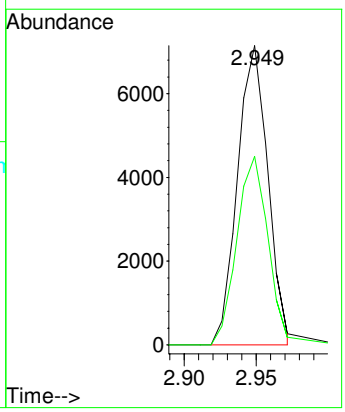


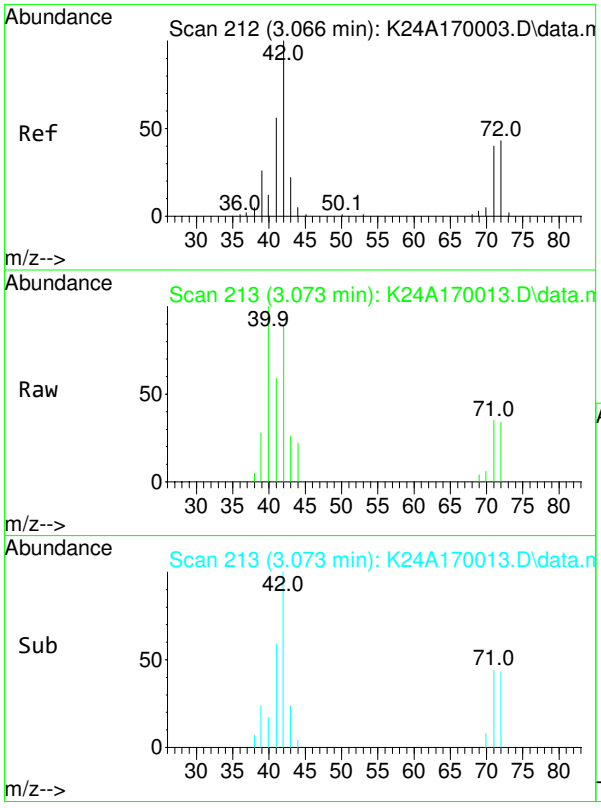


#27
CHLOROFORM
Concen: 0.68 PPBV m
RT: 2.949 min Scan# 200
Delta R.T. 0.004 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion: 83 Resp: 10487

Ion	Ratio	Lower	Upper
83	100		
85	95.9	43.6	83.6#

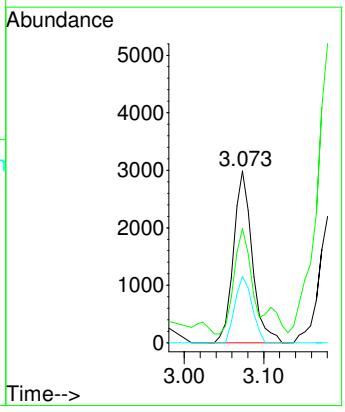


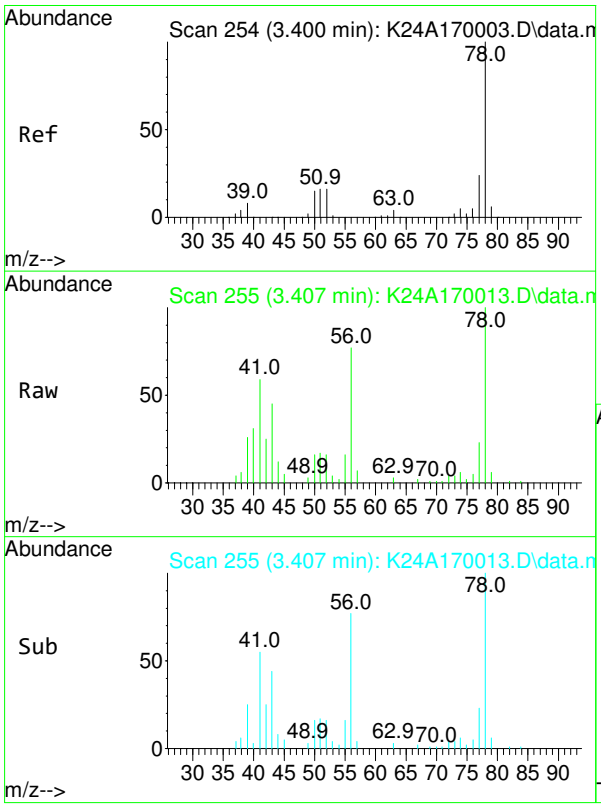


#28
TETRAHYDROFURAN
Concen: 0.82 PPBV
RT: 3.073 min Scan# 213
Delta R.T. 0.004 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion: 42 Resp: 4881

Ion	Ratio	Lower	Upper
42	100		
41	67.8	36.2	76.2
71	35.4	16.1	56.1

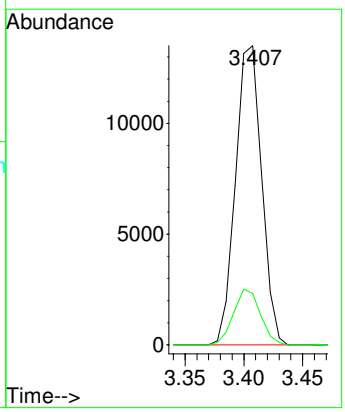


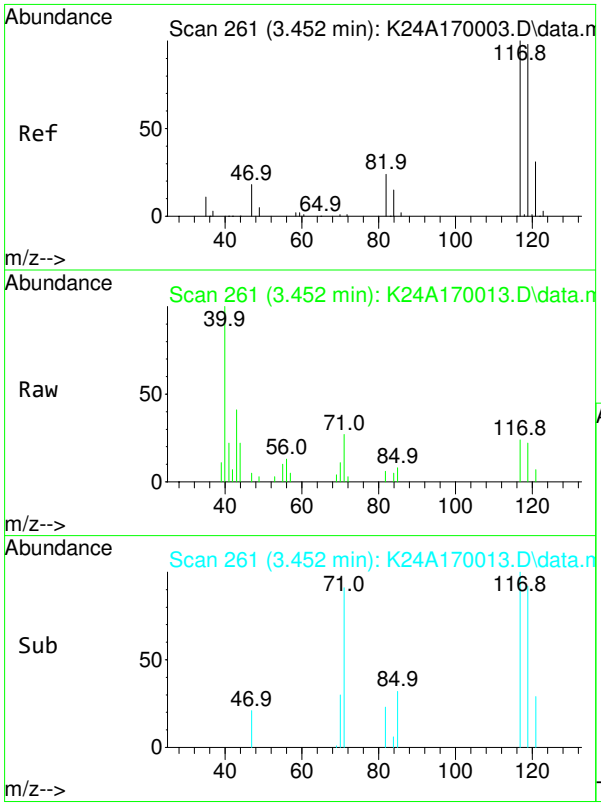


#32
BENZENE
Concen: 0.93 PPBV
RT: 3.407 min Scan# 255
Delta R.T. 0.004 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion: 78 Resp: 20950

Ion	Ratio	Lower	Upper
78	100		
51	19.1	0.0	39.1

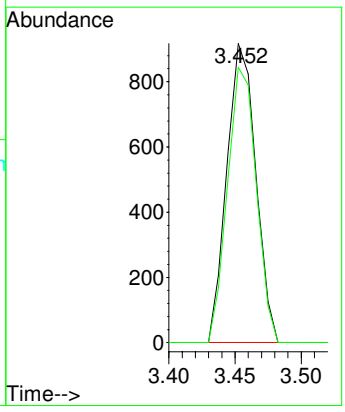


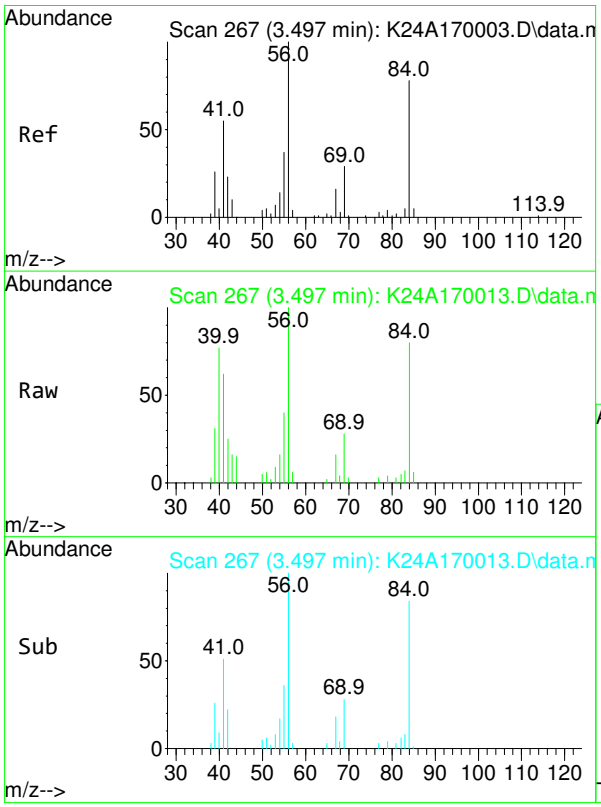


#33
CARBON TETRACHLORIDE
Concen: 0.09 PPBV
RT: 3.452 min Scan# 261
Delta R.T. 0.001 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion:117 Resp: 1395

Ion	Ratio	Lower	Upper
117	100		
119	91.8	75.9	115.9

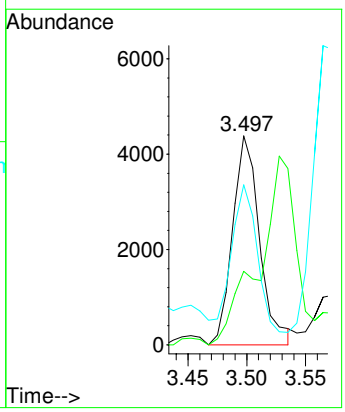


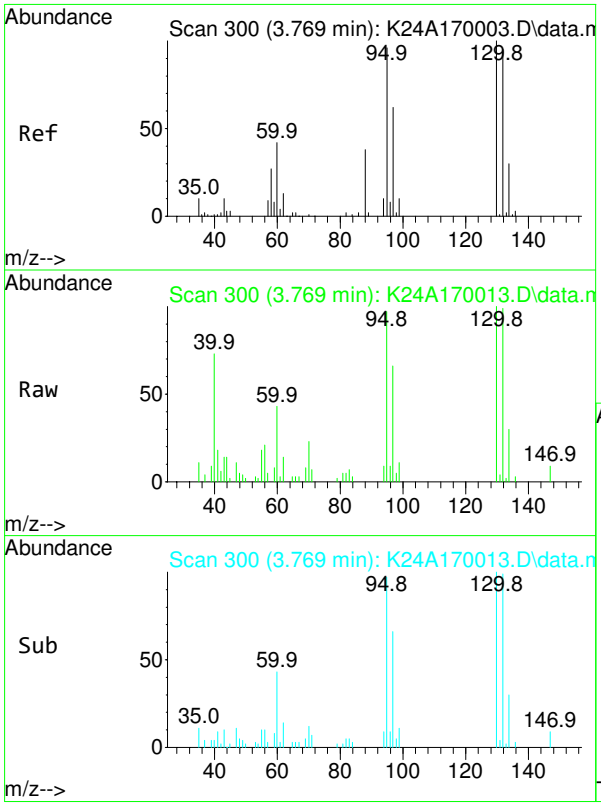


#34
CYCLOHEXANE
Concen: 0.73 PPBV
RT: 3.497 min Scan# 267
Delta R.T. -0.002 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion: 84 Resp: 6987

Ion	Ratio	Lower	Upper
84	100		
69	103.8	17.9	57.9#
41	66.7	57.0	97.0

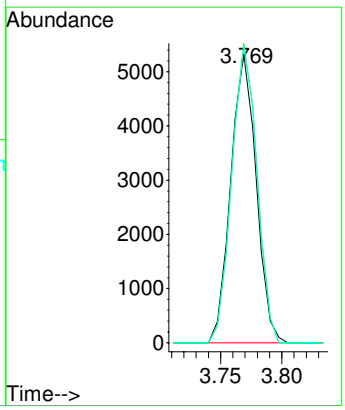


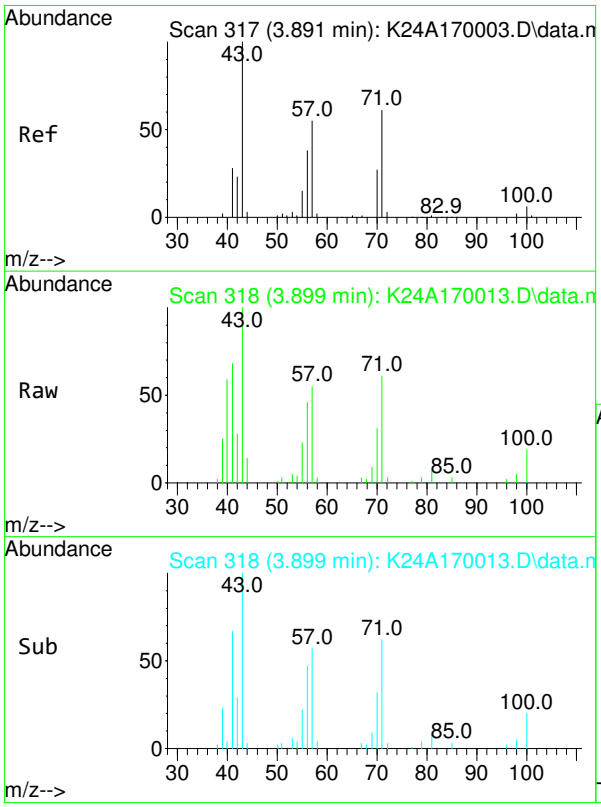


#37
TRICHLOROETHENE
Concen: 0.72 PPBV
RT: 3.769 min Scan# 300
Delta R.T. 0.002 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion: 95 Resp: 7692

Ion	Ratio	Lower	Upper
95	100		
130	102.8	65.4	105.4
132	102.3	61.7	101.7#

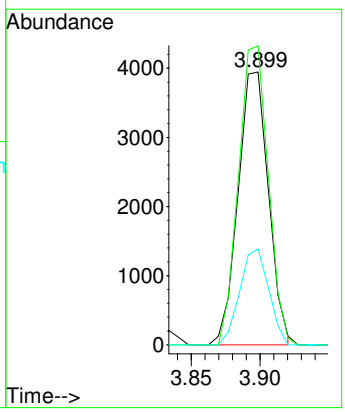


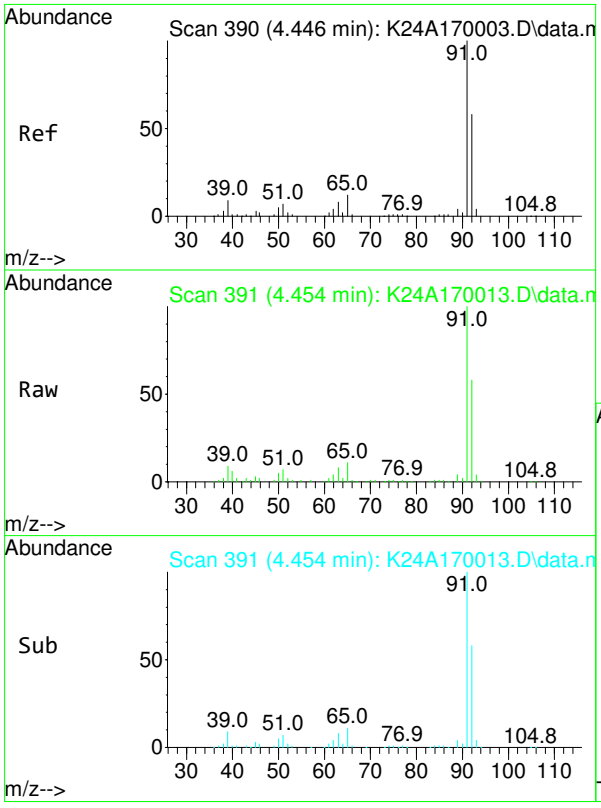


#40
HEPTANE
Concen: 0.74 PPBV
RT: 3.899 min Scan# 318
Delta R.T. 0.004 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion: 57 Resp: 6065

Ion	Ratio	Lower	Upper
57	100		
71	107.0	86.0	126.0
100	33.4	8.8	48.8

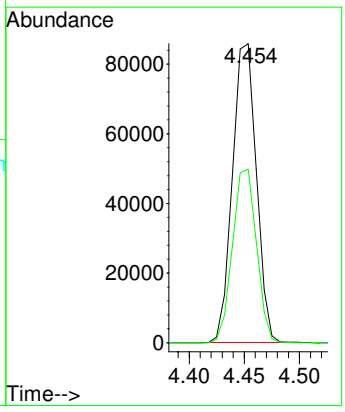


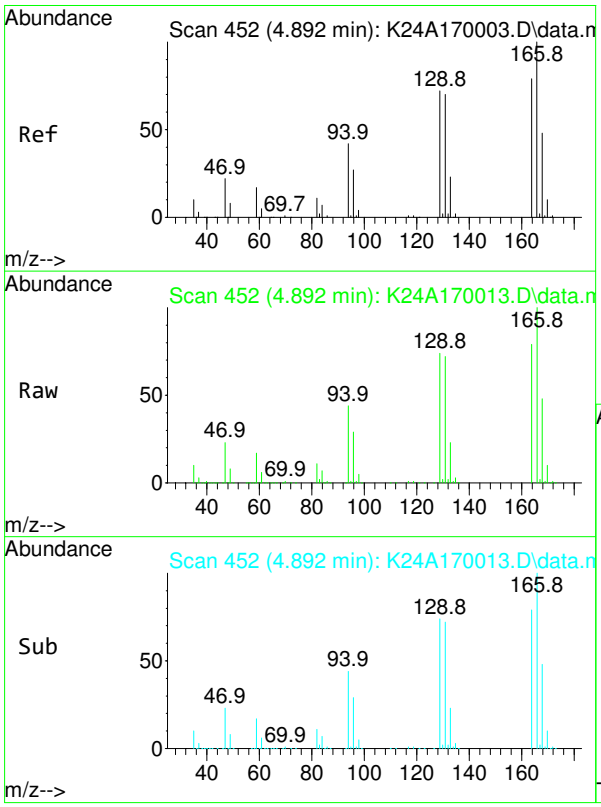


#46
TOLUENE
Concen: 4.71 PPBV
RT: 4.454 min Scan# 391
Delta R.T. 0.003 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion: 91 Resp: 129282

Ion	Ratio	Lower	Upper
91	100		
92	58.2	39.3	79.3

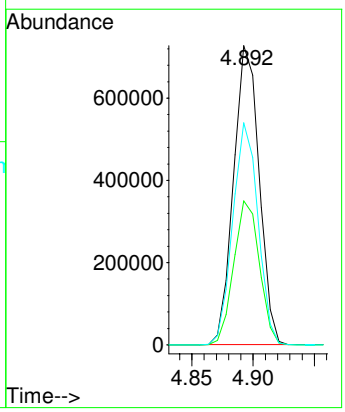


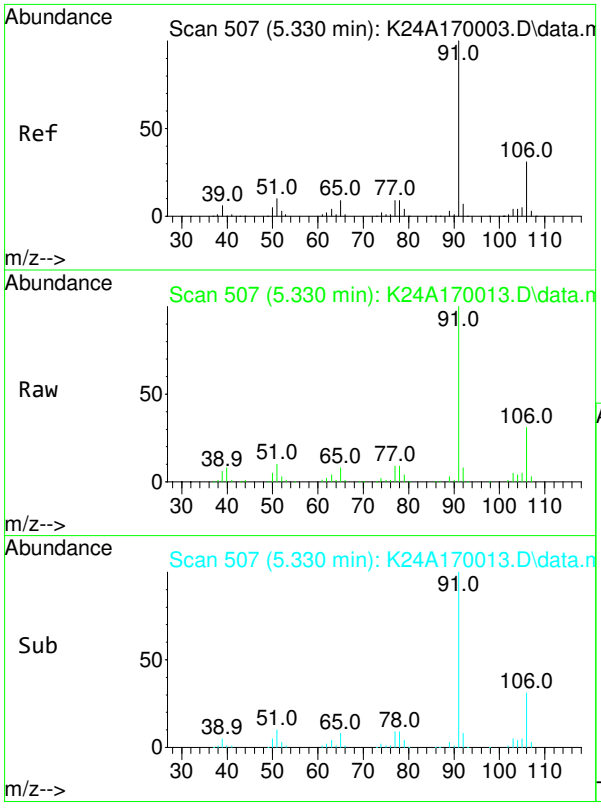


#50
TETRACHLOROETHENE
Concen: 93.33 PPBV
RT: 4.892 min Scan# 452
Delta R.T. 0.001 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion:166 Resp: 1056918

Ion	Ratio	Lower	Upper
166	100		
168	48.2	27.6	67.6
129	73.0	63.9	103.9

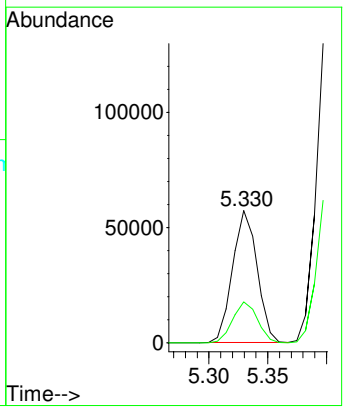


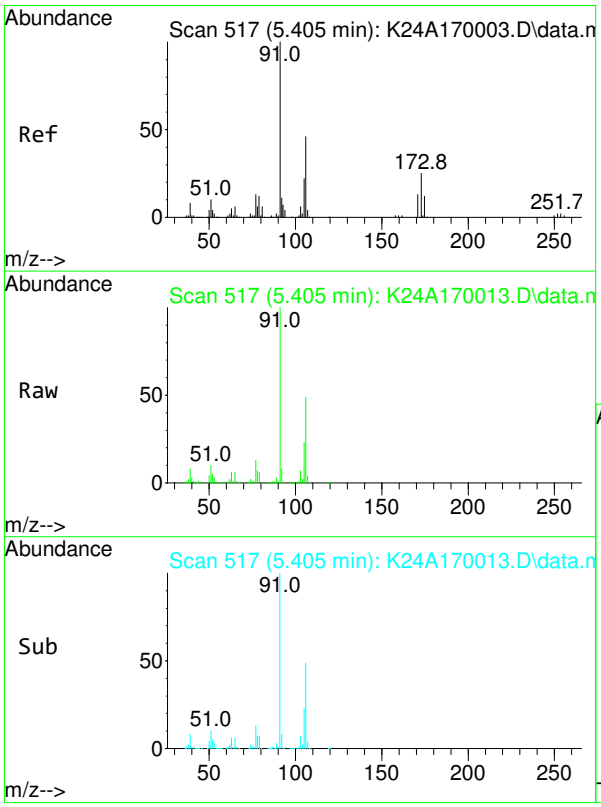


#52
ETHYLBENZENE
Concen: 2.41 PPBV
RT: 5.330 min Scan# 507
Delta R.T. -0.000 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion: 91 Resp: 83414

Ion	Ratio	Lower	Upper
91	100		
106	31.4	8.7	48.7

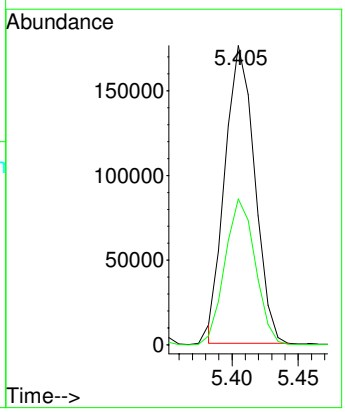


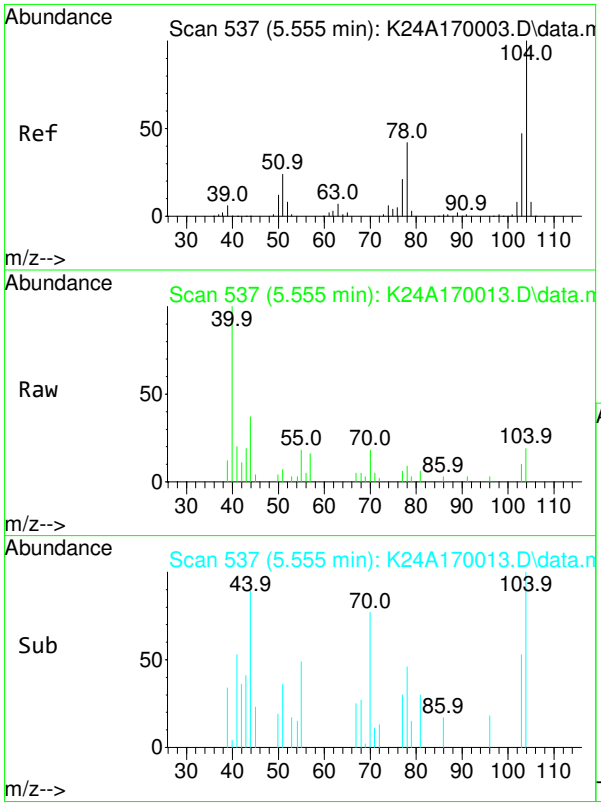


#53
M/P-XYLENE
Concen: 9.80 PPBV
RT: 5.405 min Scan# 517
Delta R.T. -0.004 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion: 91 Resp: 273392

Ion	Ratio	Lower	Upper
91	100		
106	49.0	24.2	64.2

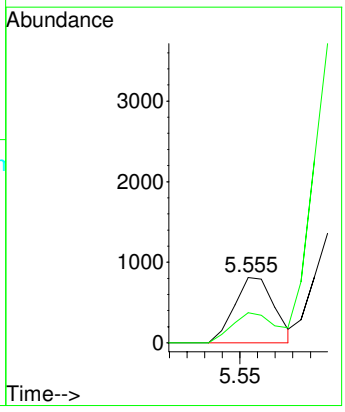


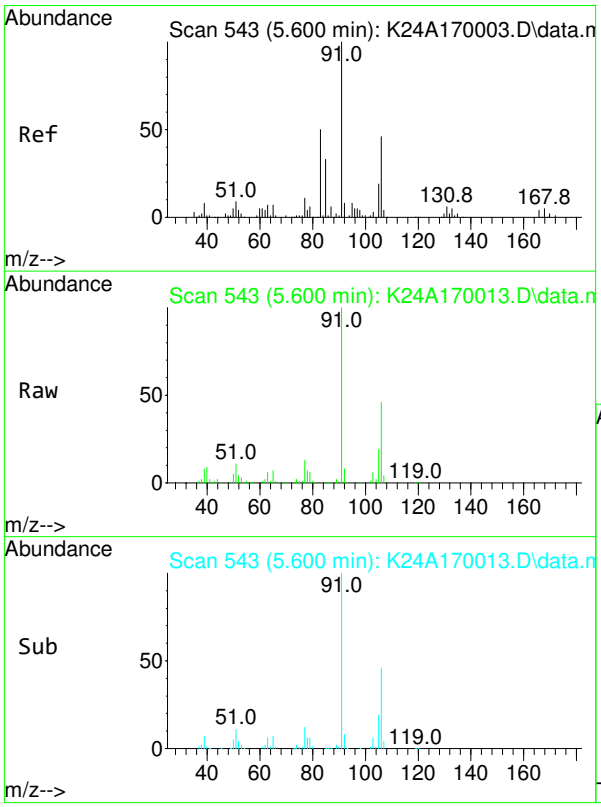


#55
STYRENE
Concen: 0.07 PPBV
RT: 5.555 min Scan# 537
Delta R.T. -0.003 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion:104 Resp: 1277

Ion	Ratio	Lower	Upper
104	100		
78	51.7	27.9	67.9

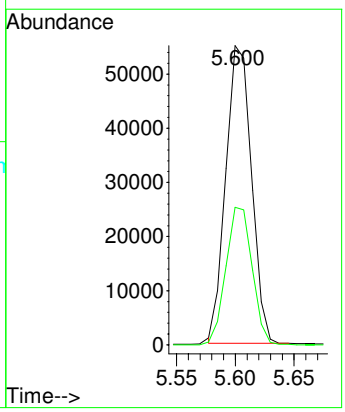


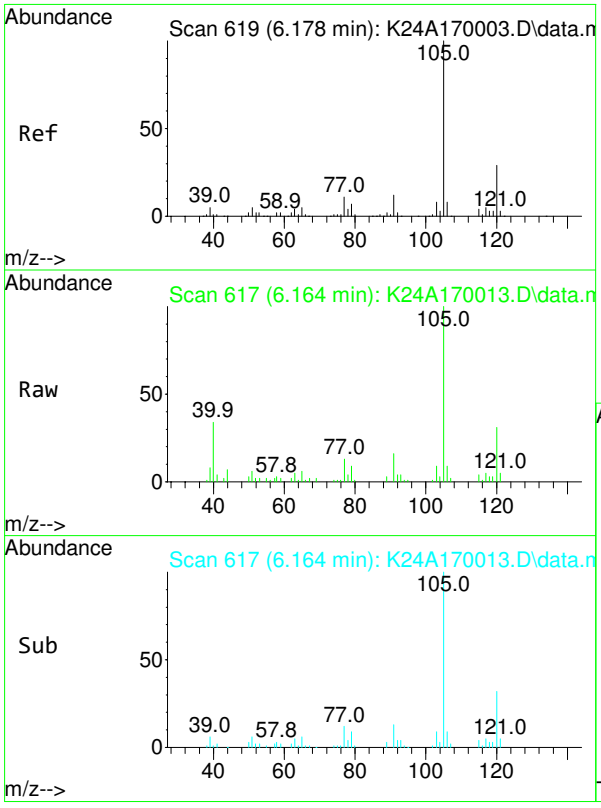


#56
O-XYLENE
Concen: 3.12 PPBV
RT: 5.600 min Scan# 543
Delta R.T. -0.006 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion: 91 Resp: 83907

Ion	Ratio	Lower	Upper
91	100		
106	46.4	23.5	63.5

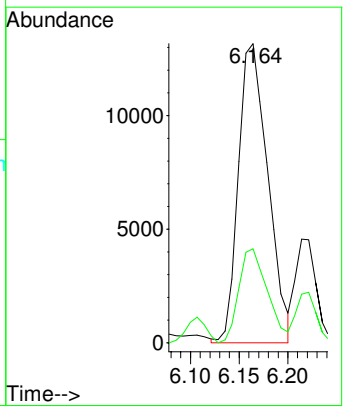


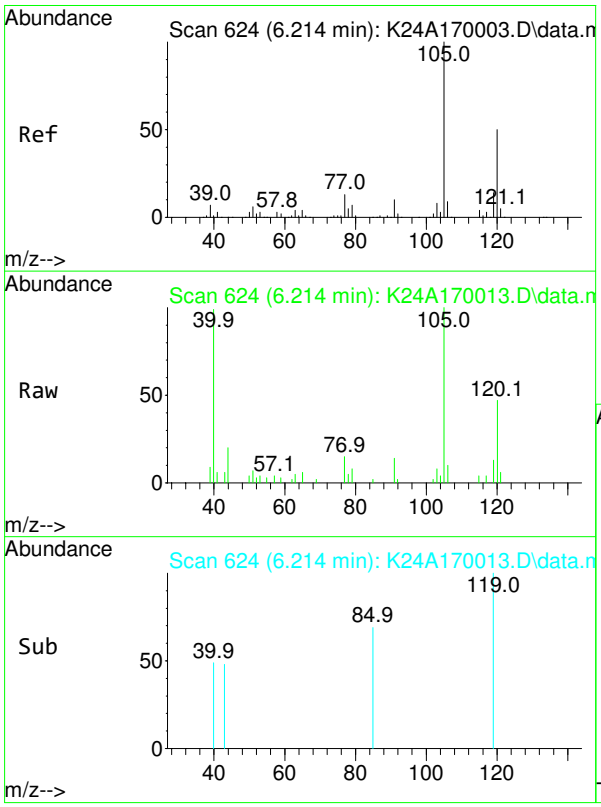


#59
4-ETHYLTOLUENE
Concen: 0.80 PPBV m
RT: 6.164 min Scan# 617
Delta R.T. -0.017 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion:105 Resp: 27665

Ion	Ratio	Lower	Upper
105	100		
120	20.3	7.3	47.3

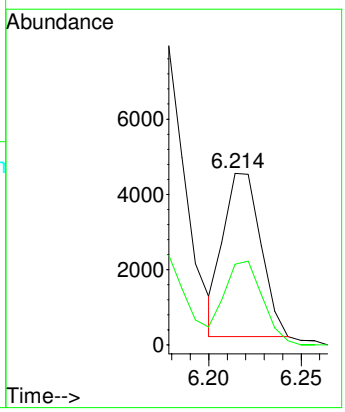


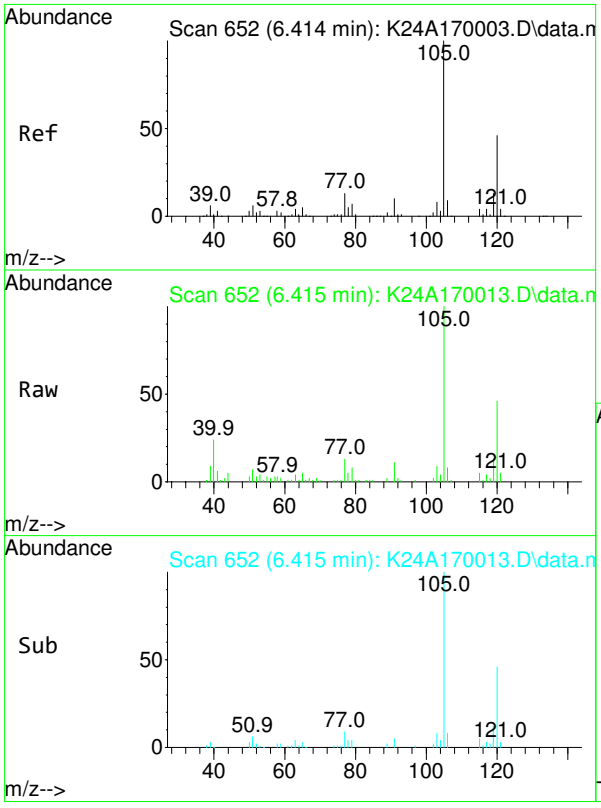


#60
1,3,5-TRIMETHYLBENZENE
Concen: 0.24 PPBV
RT: 6.214 min Scan# 624
Delta R.T. -0.003 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion:105 Resp: 6104

Ion	Ratio	Lower	Upper
105	100		
120	47.9	26.9	66.9

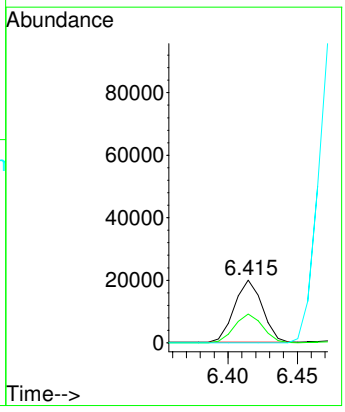


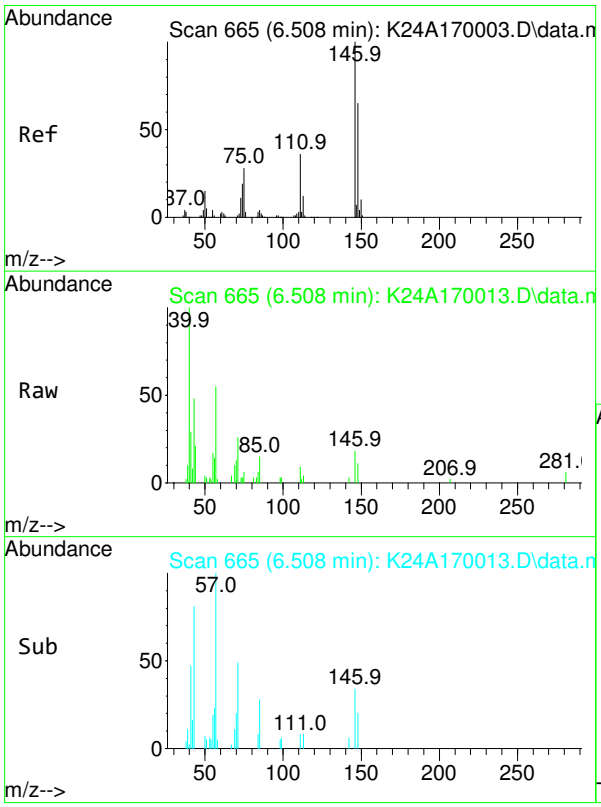


#61
1,2,4-TRIMETHYLBENZENE
Concen: 1.00 PPBV
RT: 6.415 min Scan# 652
Delta R.T. -0.001 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion:105 Resp: 27663

Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.6	63.6
281	0.0	0.0	20.0

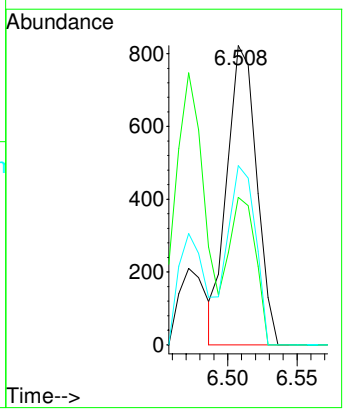


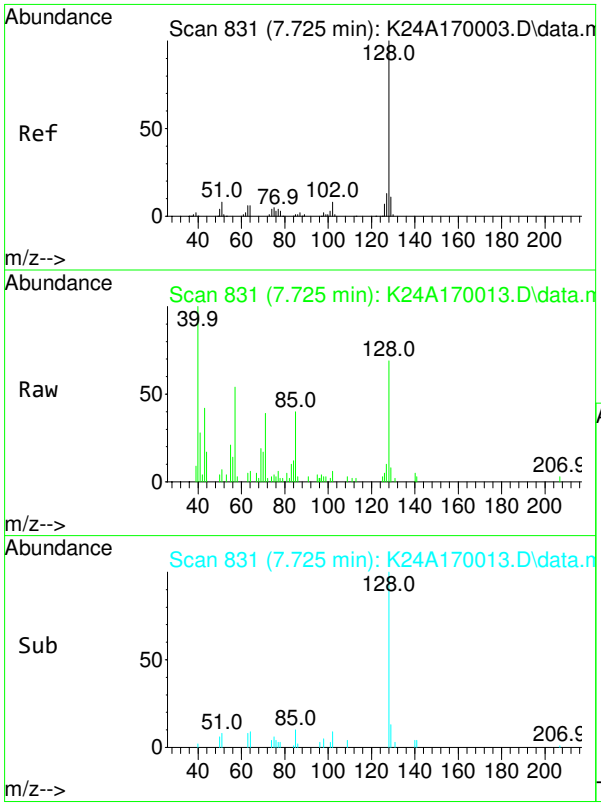


#64
1,4-DICHLOROBENZENE
Concen: 0.08 PPBV
RT: 6.508 min Scan# 665
Delta R.T. -0.000 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion:146 Resp: 1220

Ion	Ratio	Lower	Upper
146	100		
111	44.2	24.6	64.6
148	58.1	43.6	83.6

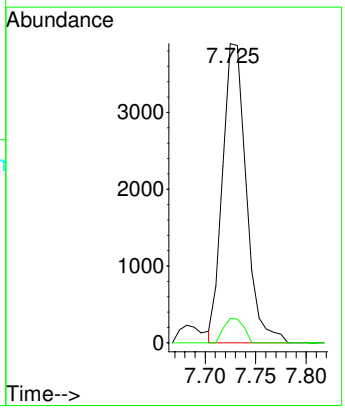


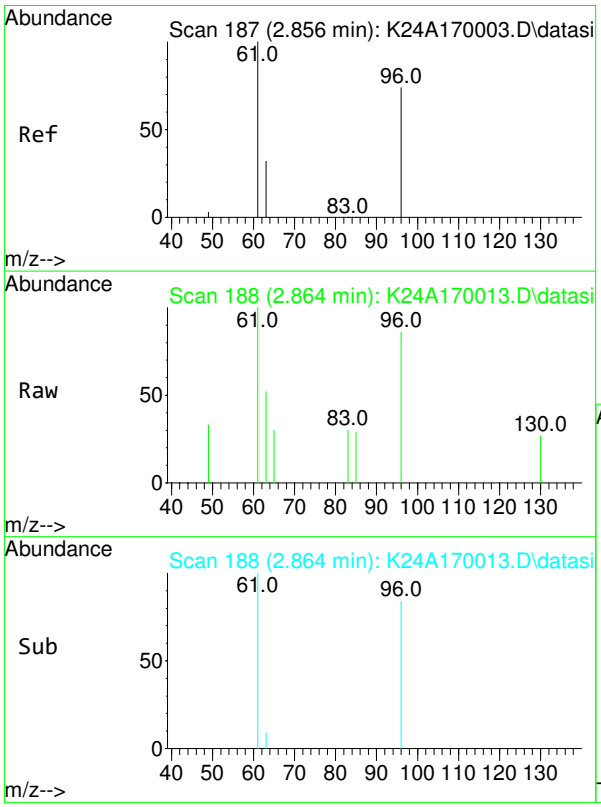


#67
NAPHTHALENE
Concen: 0.32 PPBV
RT: 7.725 min Scan# 831
Delta R.T. -0.003 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion:128 Resp: 6366

Ion	Ratio	Lower	Upper
128	100		
102	6.8	7.4	11.2#

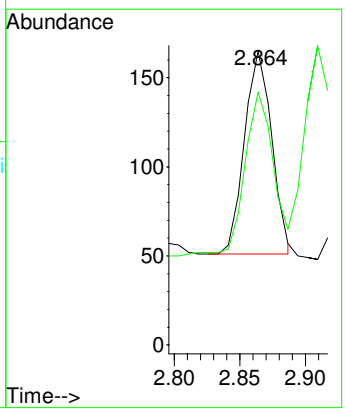


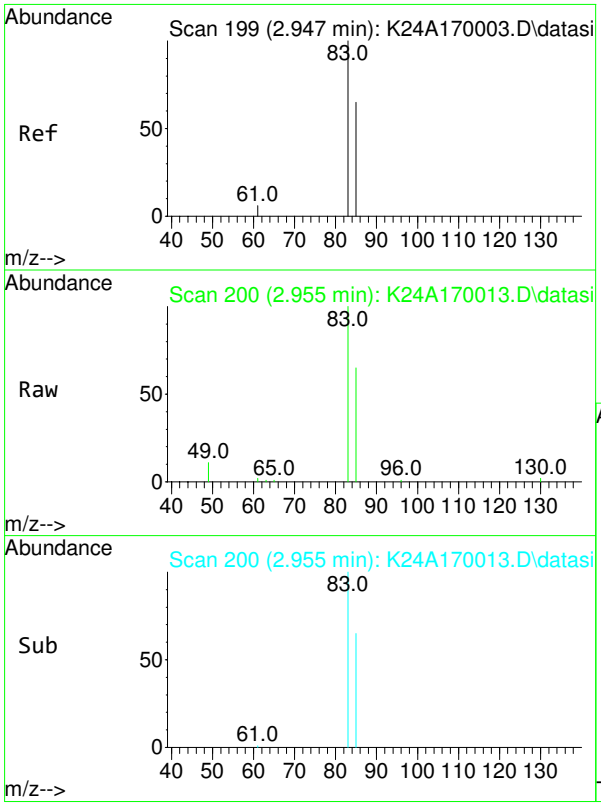


#74
CIS-1,2-DICHLOROETHENE (SIM)
Concen: 0.01 PPBV
RT: 2.864 min Scan# 188
Delta R.T. 0.006 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion: 61 Resp: 164

Ion	Ratio	Lower	Upper
61	100		
96	81.1	42.7	82.7

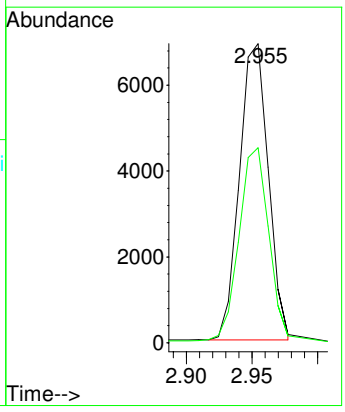


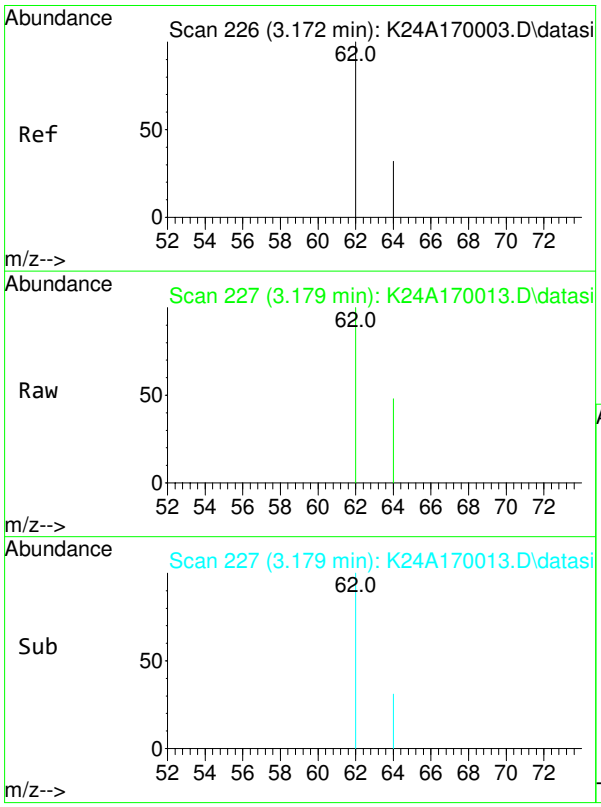


#75
CHLOROFORM (SIM)
Concen: 0.72 PPBV
RT: 2.955 min Scan# 200
Delta R.T. 0.012 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion: 83 Resp: 10550

Ion	Ratio	Lower	Upper
83	100		
85	66.4	43.9	83.9

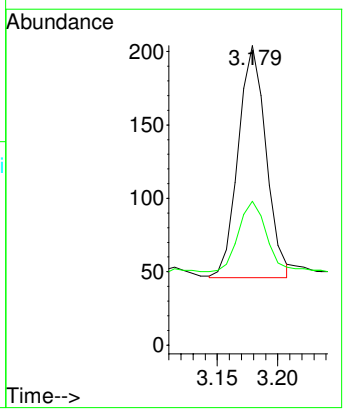


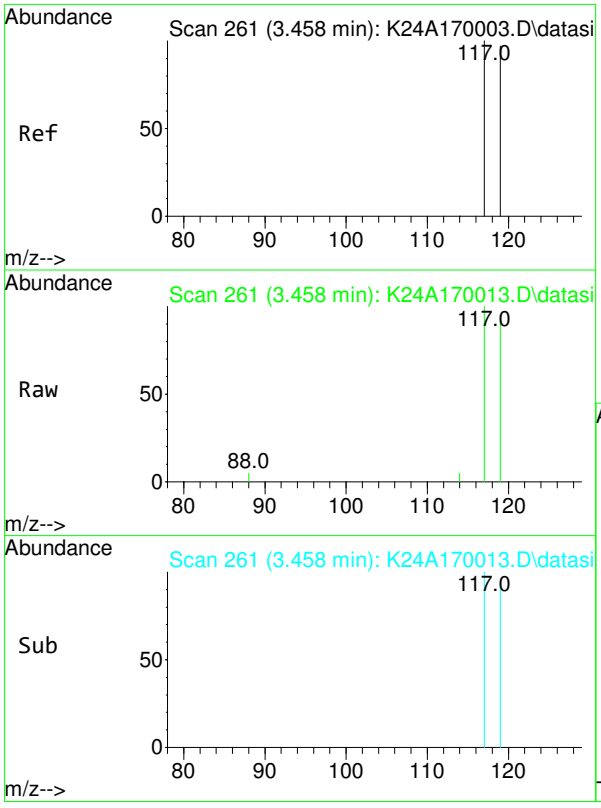


#76
1,2-DICHLOROETHANE (SIM)
Concen: 0.02 PPBV m
RT: 3.179 min Scan# 227
Delta R.T. 0.010 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion: 62 Resp: 254

Ion	Ratio	Lower	Upper
62	100		
64	28.3	12.1	52.1

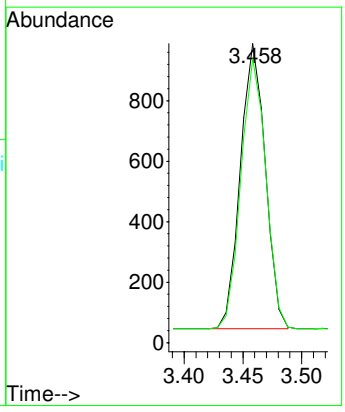


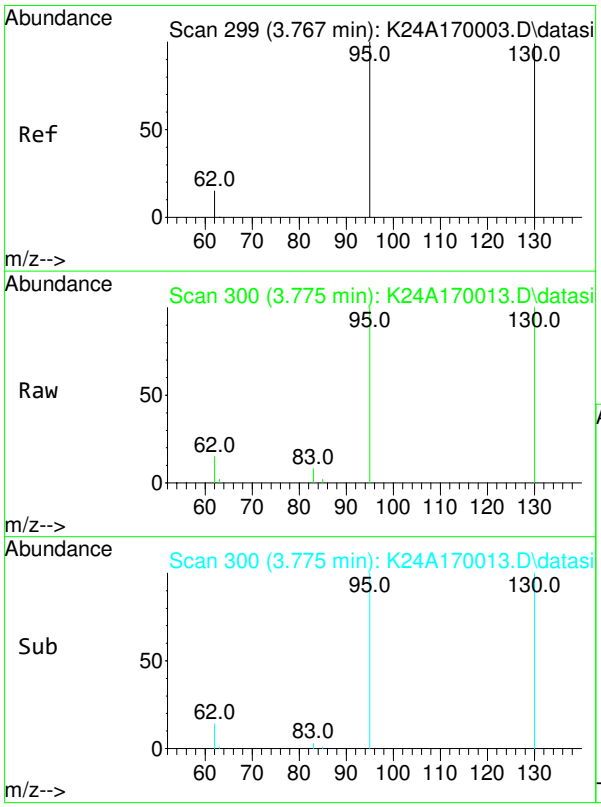


#78
CARBON TETRACHLORIDE (SIM)
Concen: 0.09 PPBV
RT: 3.458 min Scan# 261
Delta R.T. 0.004 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion:117 Resp: 1393

Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.8	115.8

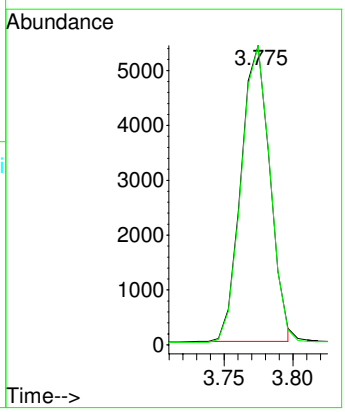


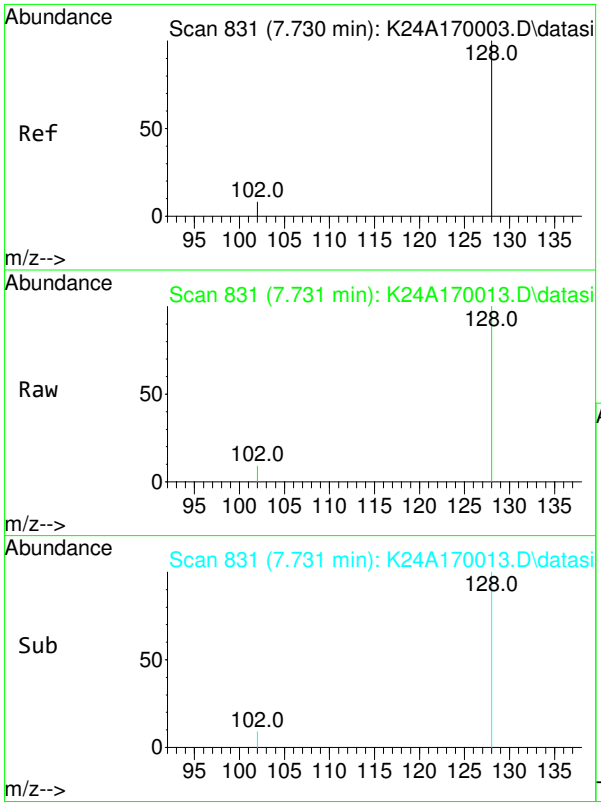


#81
TRICHLOROETHENE (SIM)
Concen: 0.69 PPBV
RT: 3.775 min Scan# 300
Delta R.T. 0.005 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion: 95 Resp: 7853

Ion	Ratio	Lower	Upper
95	100		
130	99.6	66.1	106.1

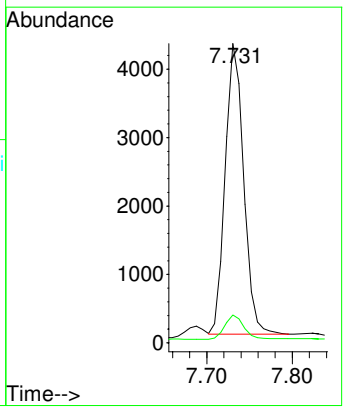




#89
NAPHTHALENE (SIM)
Concen: 0.28 PPBV
RT: 7.731 min Scan# 831
Delta R.T. -0.000 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion:128 Resp: 6368

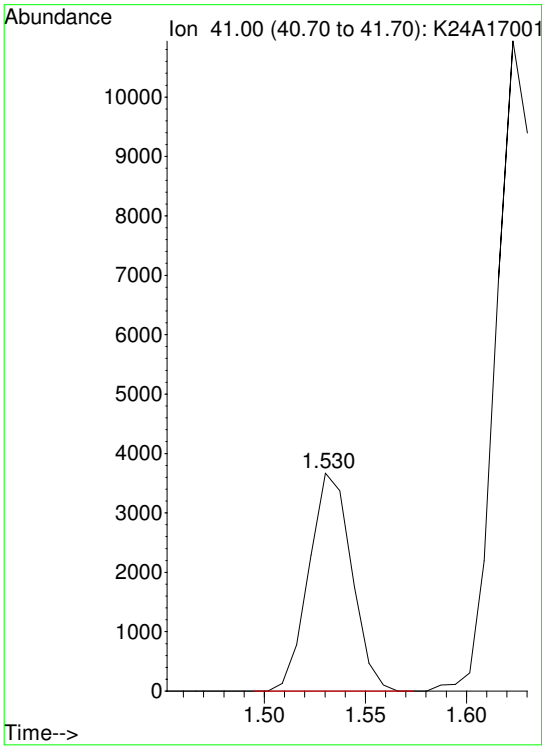
Ion	Ratio	Lower	Upper
128	100		
102	8.8	0.0	29.2



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170013.D
Acq On : 18 Jun 2024 04:42 pm
Operator : CMR
Sample : 24F1161-04 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Wed Jun 19 11:19:49 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
PROPENE



Original Int. Results

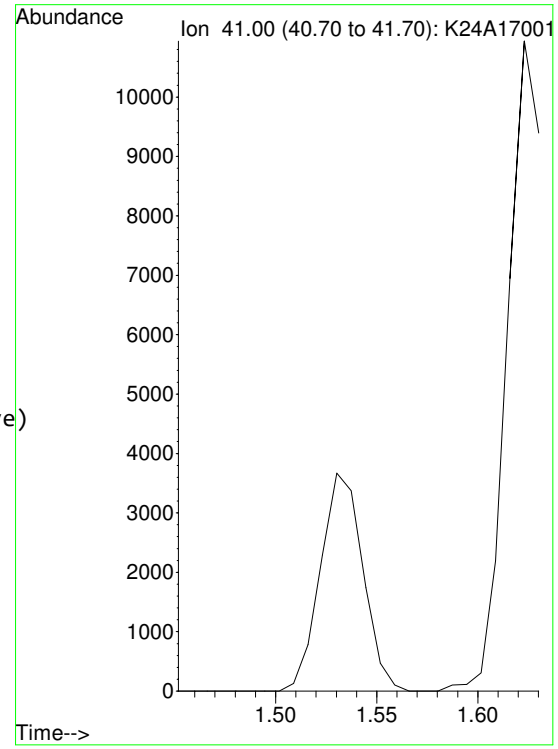
RT : 1.53
Area : 5368
Amount: 1.33012

Manual Int. Results

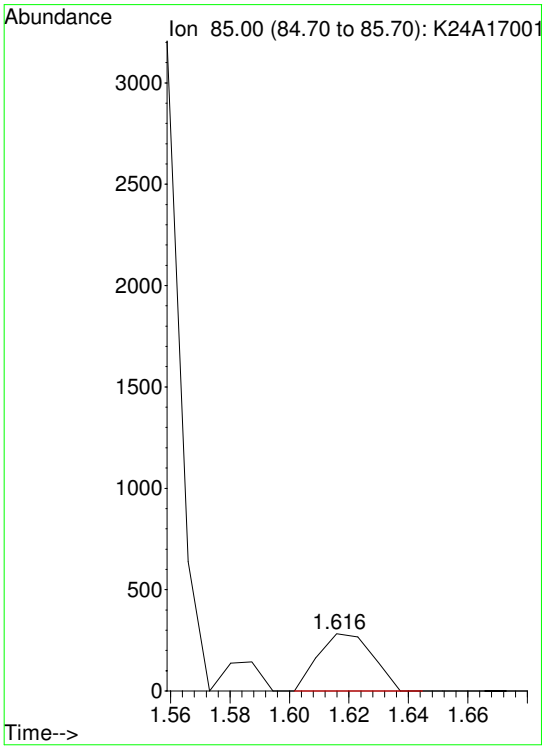
Wed Jun 19 11:15:30 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
FREON 114



Original Int. Results

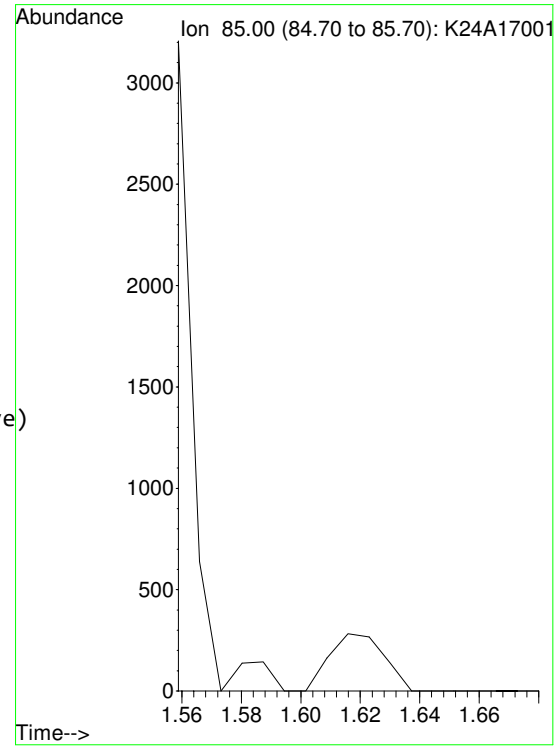
RT : 1.62
Area : 363
Amount: 0.0202365

Manual Int. Results

Wed Jun 19 11:15:33 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

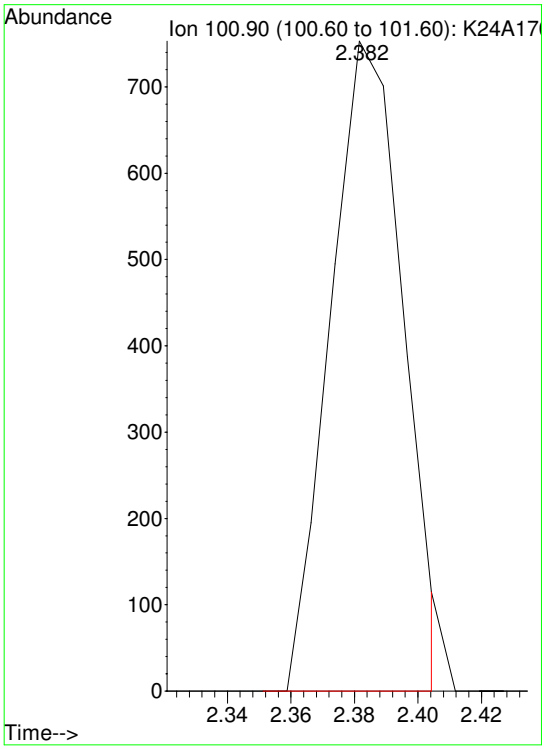
Manual Integration
FREON 114



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170013.D
Acq On : 18 Jun 2024 04:42 pm
Operator : CMR
Sample : 24F1161-04 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Wed Jun 19 11:19:49 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
FREON 113



Original Int. Results

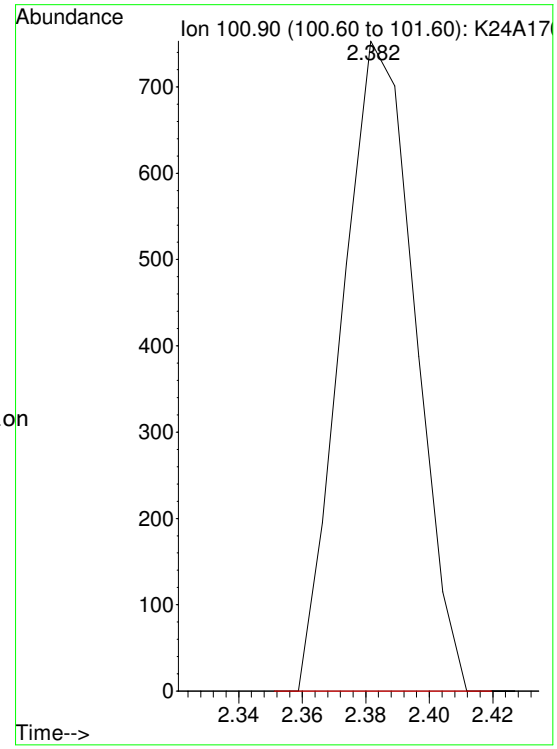
RT : 2.38
Area : 1202
Amount: 0.0868459

Manual Int. Results

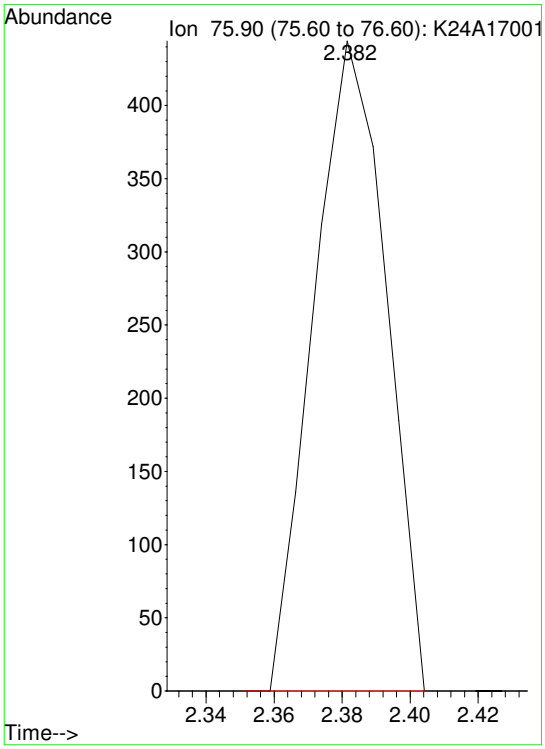
Wed Jun 19 11:15:47 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 2.38
Area : 1202
Amount: 0.0868459

Manual Integration
FREON 113



Original Integration
CARBON DISULFIDE



Original Int. Results

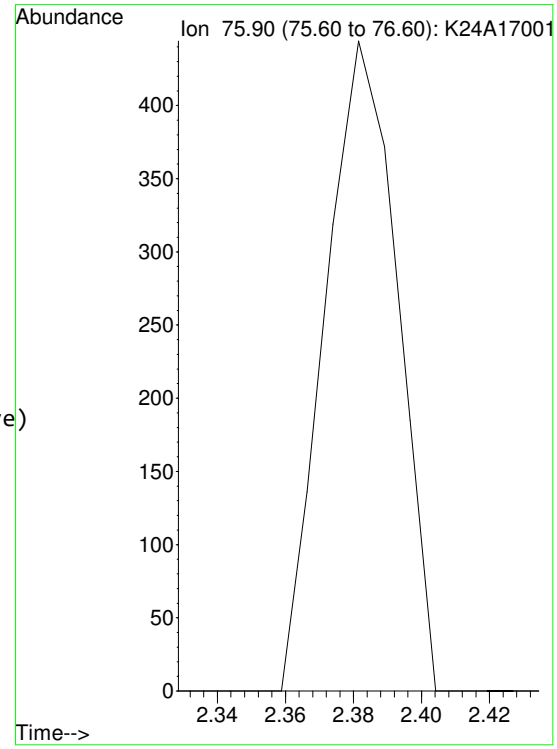
RT : 2.38
Area : 661
Amount: 0.0350722

Manual Int. Results

Wed Jun 19 11:15:50 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

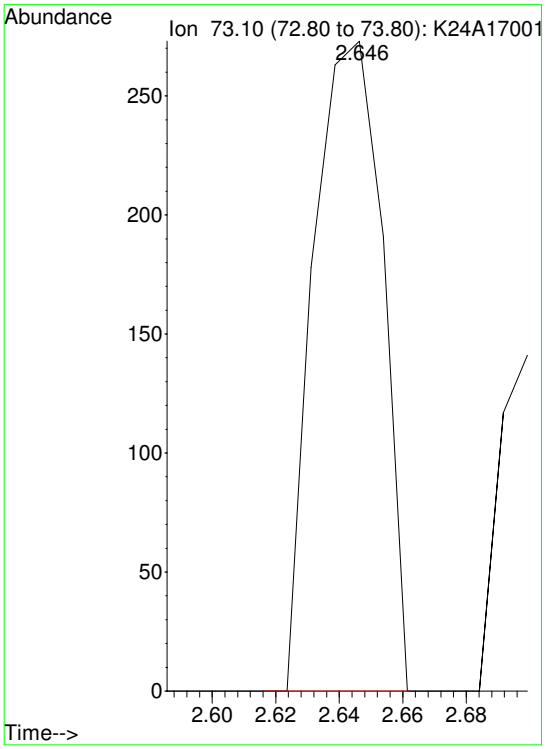
Manual Integration
CARBON DISULFIDE



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170013.D
Acq On : 18 Jun 2024 04:42 pm
Operator : CMR
Sample : 24F1161-04 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Wed Jun 19 11:19:49 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
MTBE



Original Int. Results

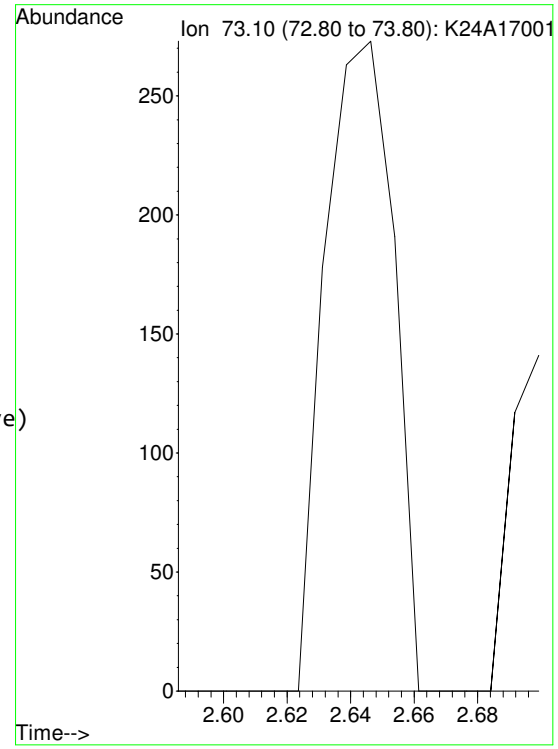
RT : 2.65
Area : 411
Amount: 0.0216564

Manual Int. Results

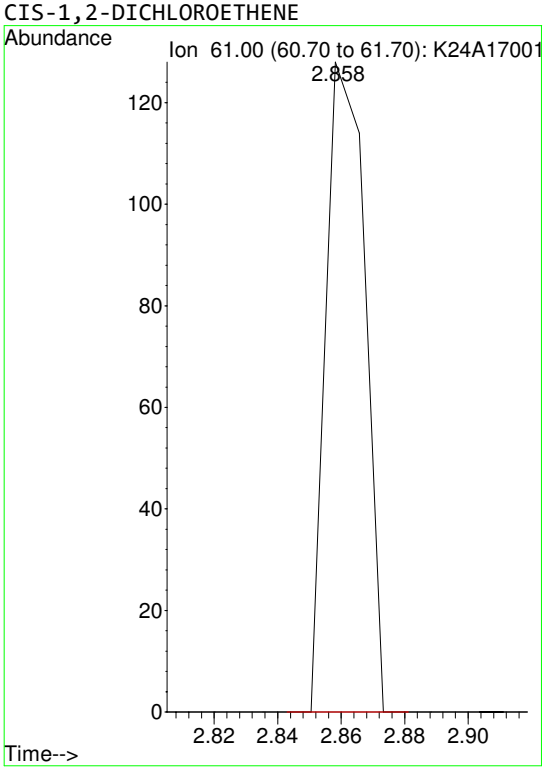
Wed Jun 19 11:15:53 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MTBE



Original Integration
CIS-1,2-DICHLOROETHENE



Original Int. Results

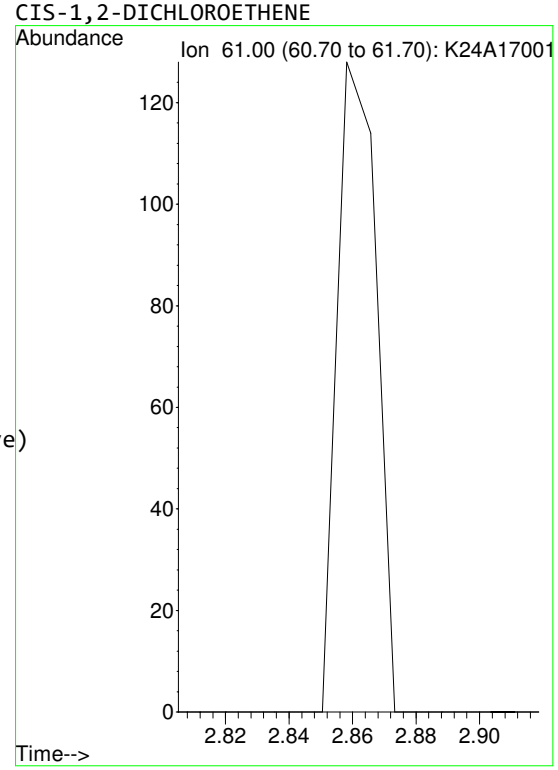
RT : 2.86
Area : 110
Amount: 0.0106143

Manual Int. Results

Wed Jun 19 11:15:57 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

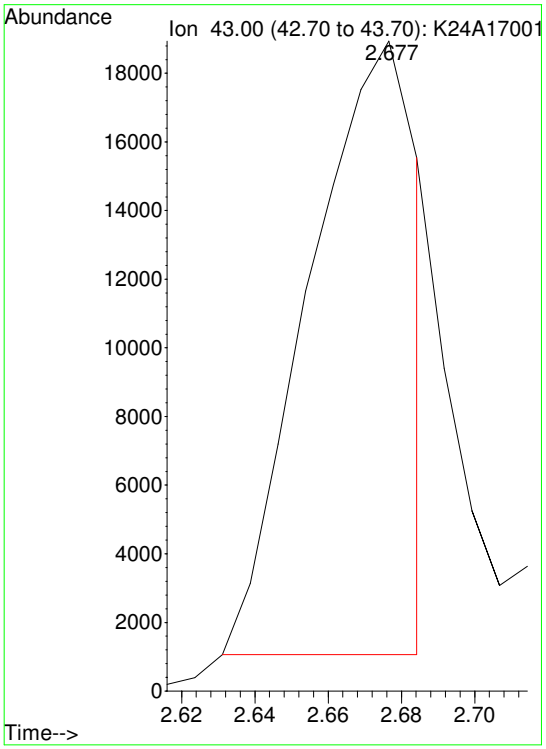
Manual Integration
CIS-1,2-DICHLOROETHENE



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170013.D
Acq On : 18 Jun 2024 04:42 pm
Operator : CMR
Sample : 24F1161-04 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Wed Jun 19 11:19:49 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
VINYL ACETATE



Original Int. Results

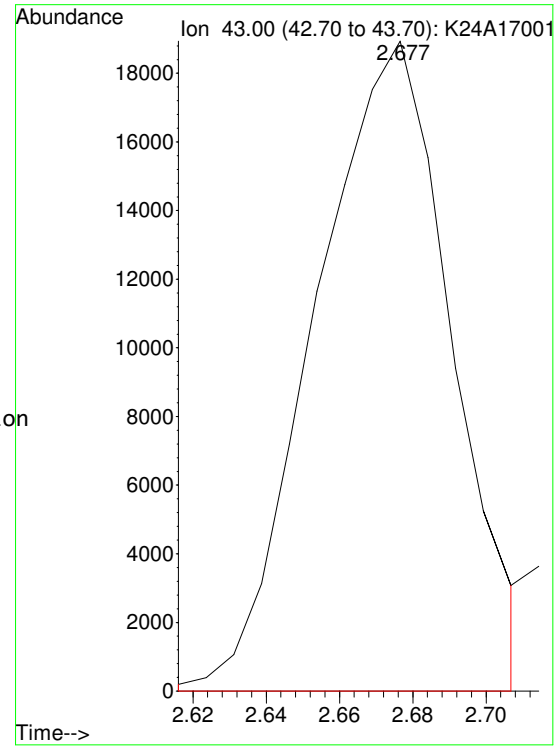
RT : 2.68
Area : 36919
Amount: 2.02253

Manual Int. Results

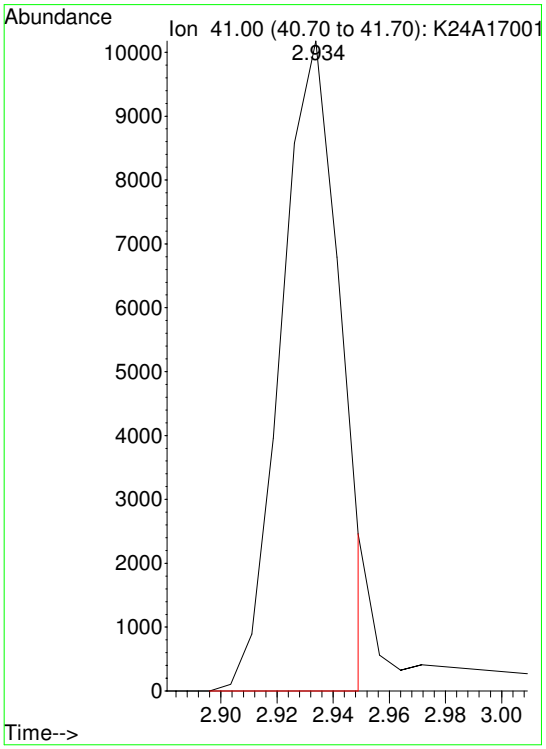
Wed Jun 19 11:16:05 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 2.68
Area : 49000
Amount: 2.68437

Manual Integration
VINYL ACETATE



Original Integration
HEXANE



Original Int. Results

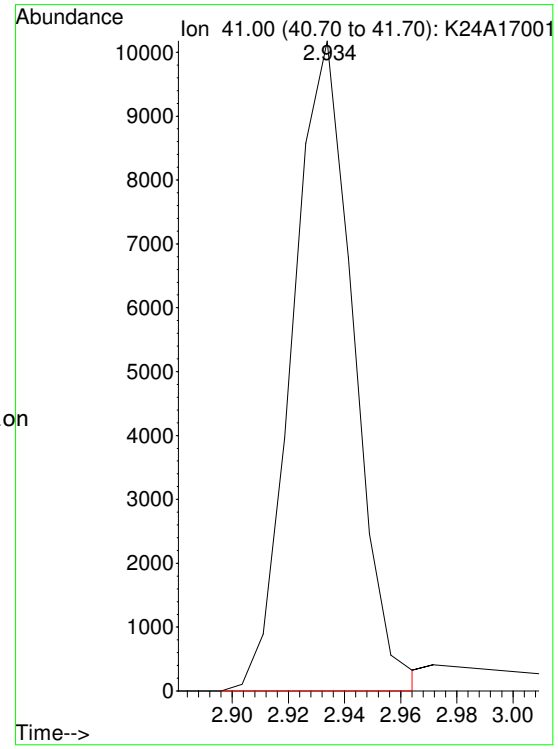
RT : 2.93
Area : 14962
Amount: 1.82195

Manual Int. Results

Wed Jun 19 11:16:10 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 2.93
Area : 15366
Amount: 1.87114

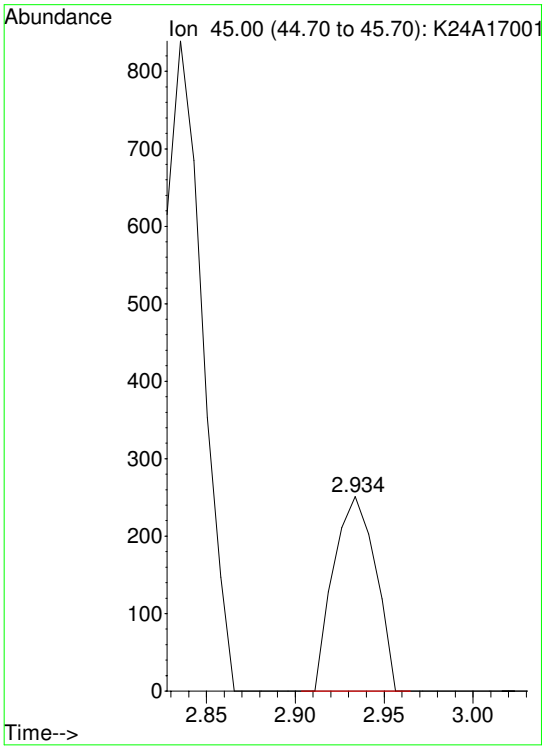
Manual Integration
HEXANE



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170013.D
Acq On : 18 Jun 2024 04:42 pm
Operator : CMR
Sample : 24F1161-04 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Wed Jun 19 11:19:49 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
ETHYL ACETATE



Original Int. Results

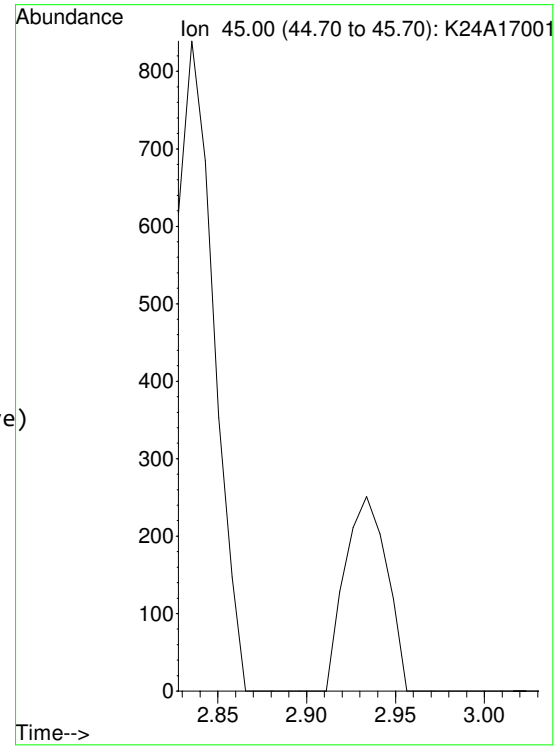
RT : 2.93
Area : 414
Amount: 0.198845

Manual Int. Results

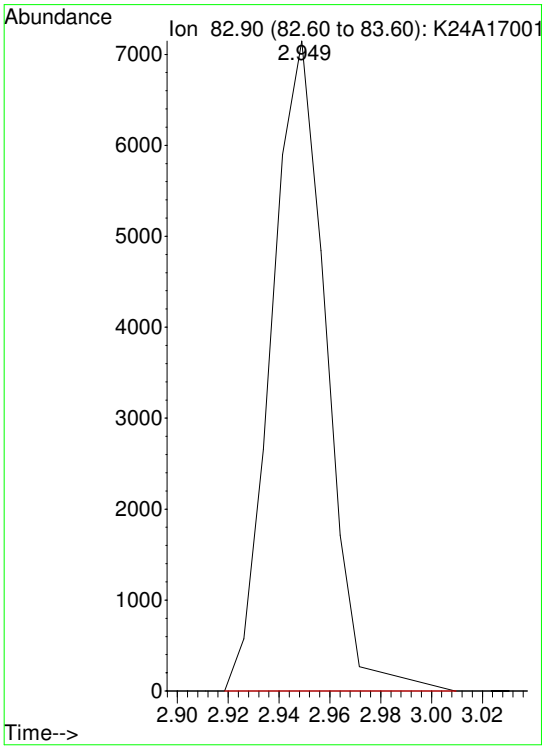
Wed Jun 19 11:19:48 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHYL ACETATE



Original Integration
CHLOROFORM



Original Int. Results

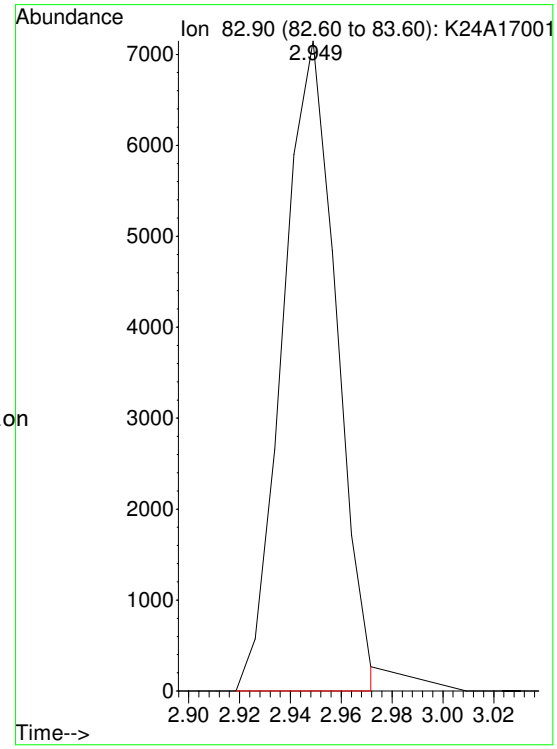
RT : 2.95
Area : 15685
Amount: 1.02294

Manual Int. Results

Wed Jun 19 11:16:16 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 2.95
Area : 10487
Amount: 0.683939

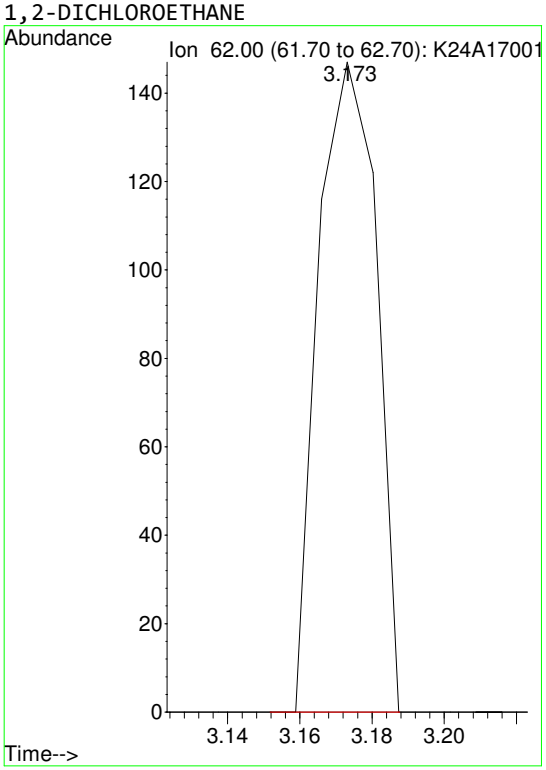
Manual Integration
CHLOROFORM



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170013.D
Acq On : 18 Jun 2024 04:42 pm
Operator : CMR
Sample : 24F1161-04 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Wed Jun 19 11:19:49 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
1,2-DICHLOROETHANE



Original Int. Results

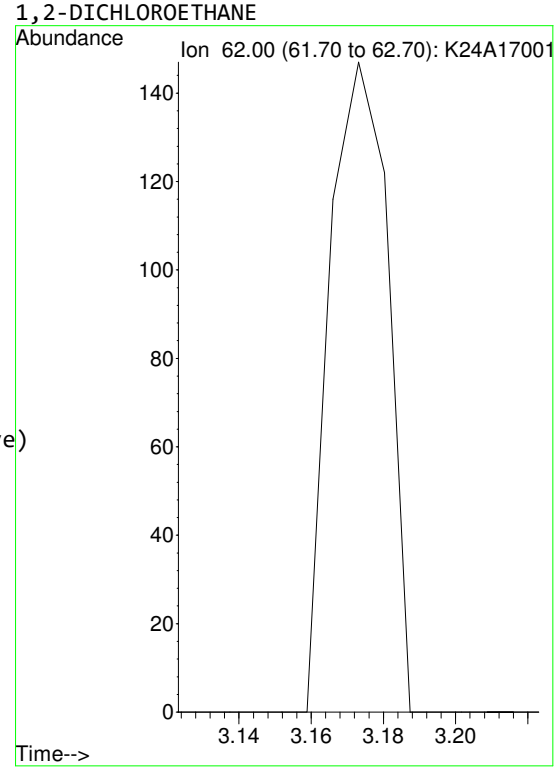
RT : 3.17
Area : 165
Amount: 0.0152877

Manual Int. Results

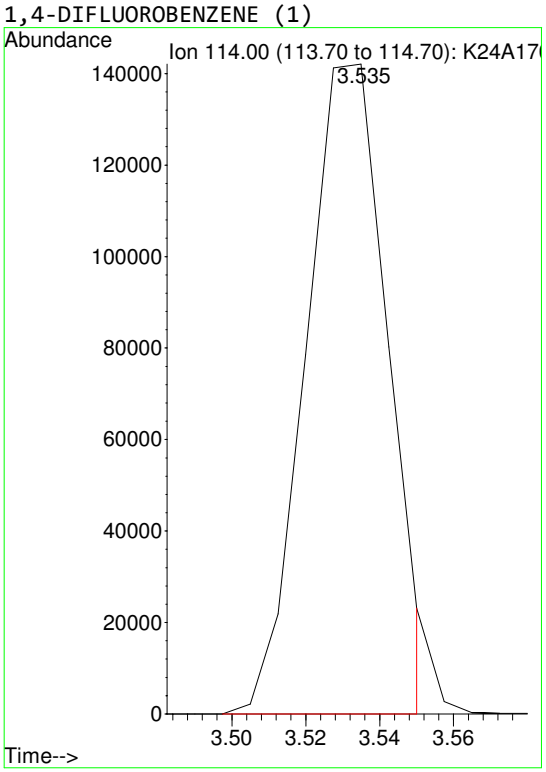
Wed Jun 19 11:16:20 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,2-DICHLOROETHANE



Original Integration
1,4-DIFLUOROBENZENE (1)



Original Int. Results

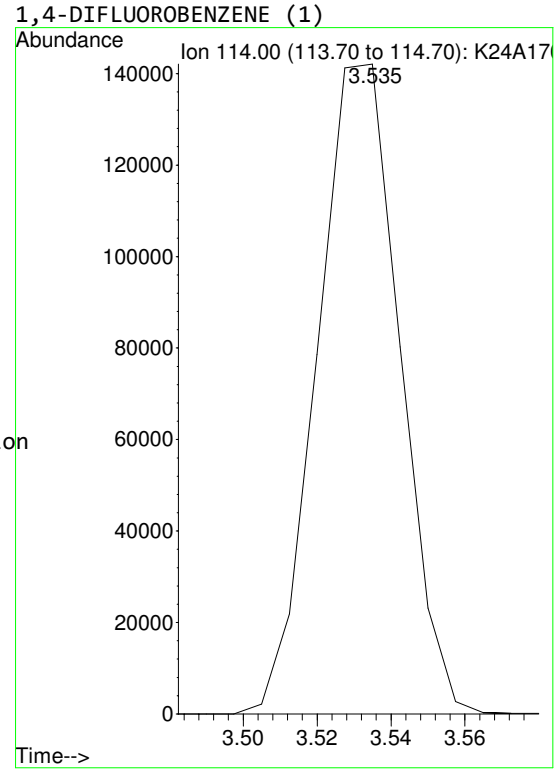
RT : 3.53
Area : 220292
Amount: 8

Manual Int. Results

Wed Jun 19 11:16:22 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 3.53
Area : 221782
Amount: 8

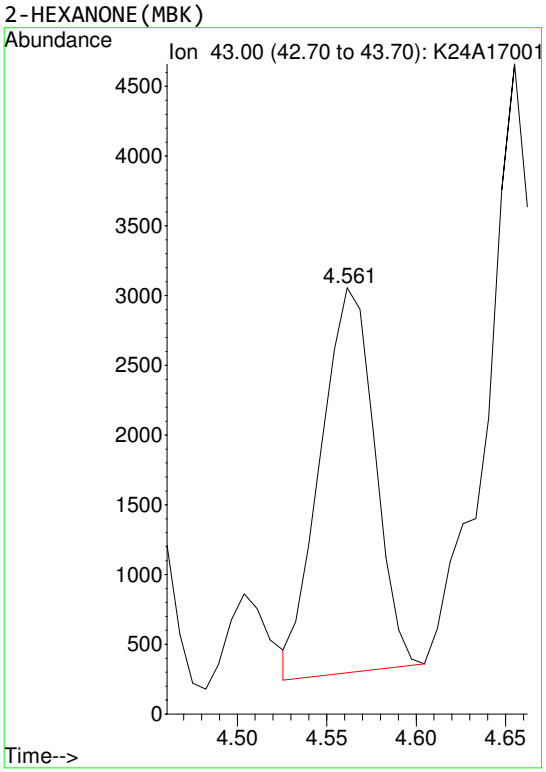
Manual Integration
1,4-DIFLUOROBENZENE (1)



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170013.D
Acq On : 18 Jun 2024 04:42 pm
Operator : CMR
Sample : 24F1161-04 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Wed Jun 19 11:19:49 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
2-HEXANONE(MBK)



Original Int. Results

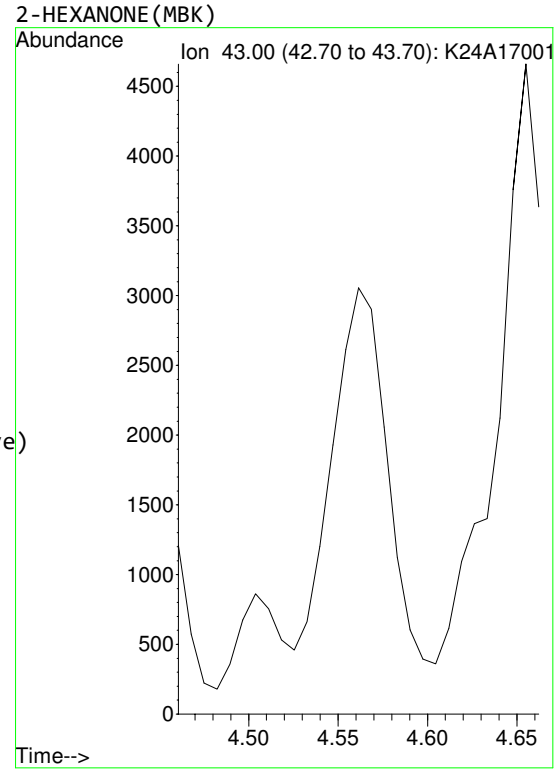
RT : 4.56
Area : 5864
Amount: 0.373867

Manual Int. Results

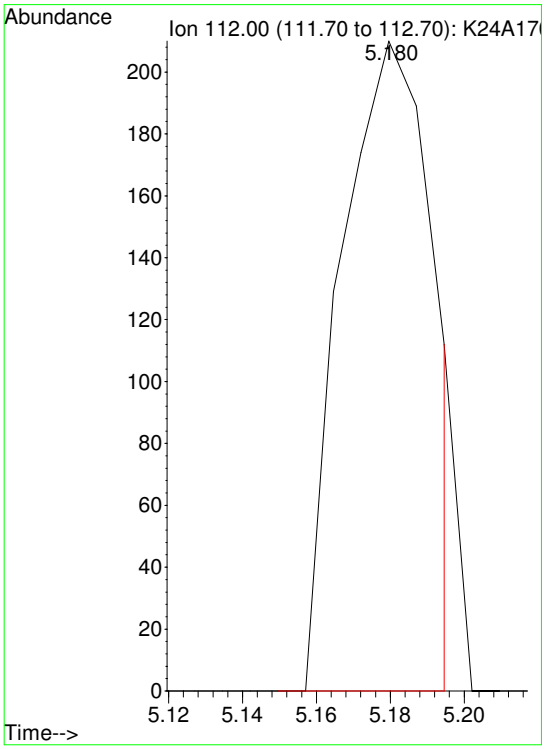
Wed Jun 19 11:16:41 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-HEXANONE(MBK)



Original Integration
CHLOROBENZENE



Original Int. Results

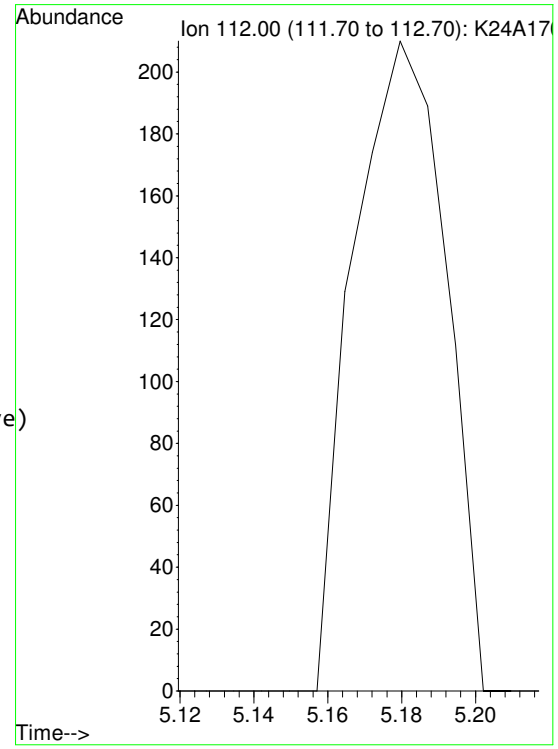
RT : 5.18
Area : 366
Amount: 0.0168312

Manual Int. Results

Wed Jun 19 11:16:44 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

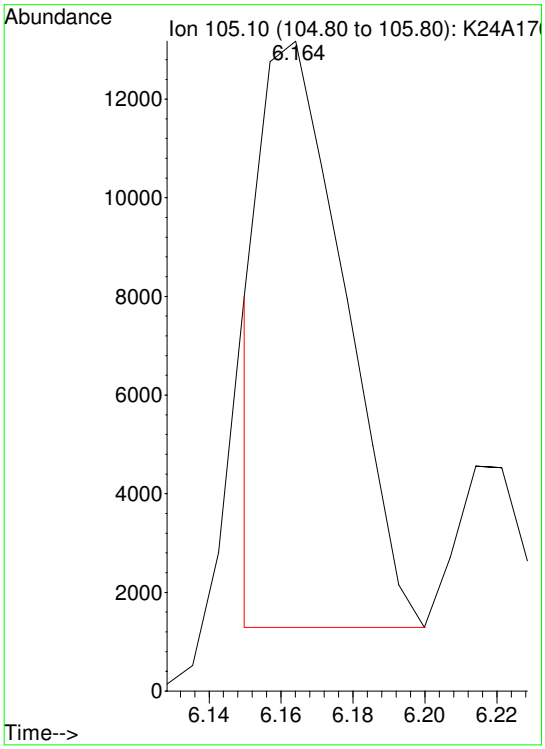
Manual Integration
CHLOROBENZENE



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170013.D
Acq On : 18 Jun 2024 04:42 pm
Operator : CMR
Sample : 24F1161-04 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Wed Jun 19 11:19:49 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
4-ETHYLTOLUENE



Original Int. Results

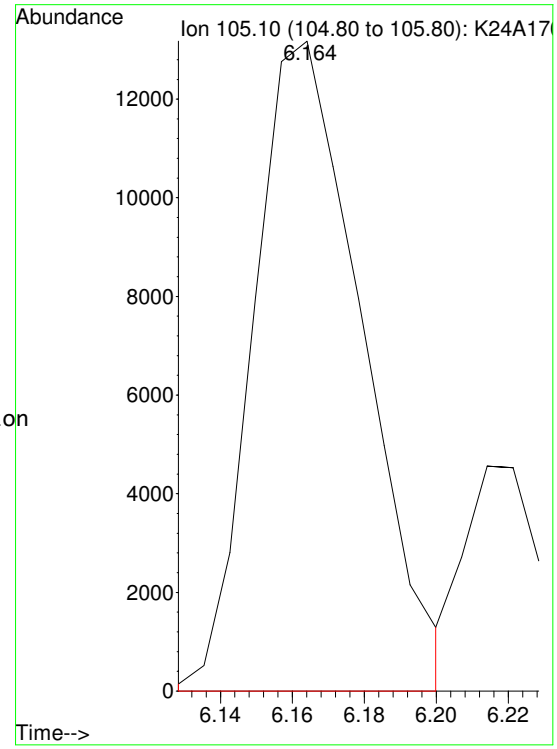
RT : 6.16
Area : 18862
Amount: 0.543396

Manual Int. Results

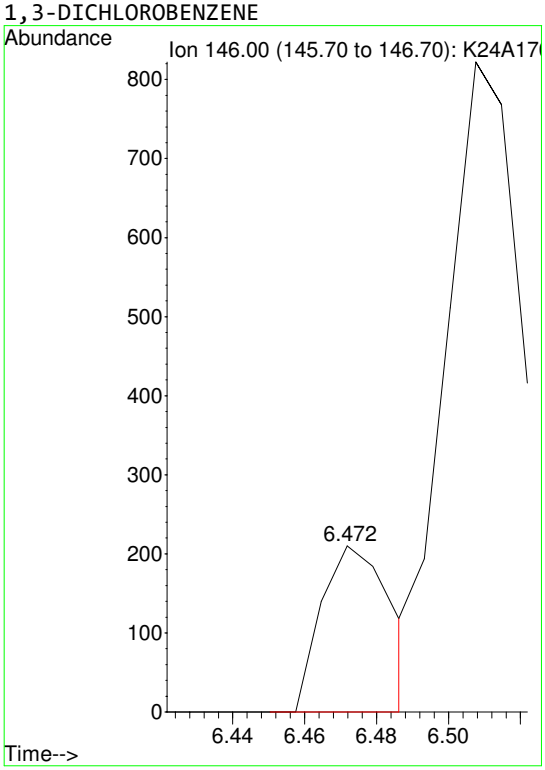
Wed Jun 19 11:16:52 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 6.16
Area : 27665
Amount: 0.797002

Manual Integration
4-ETHYLTOLUENE



Original Integration
1,3-DICHLOROBENZENE



Original Int. Results

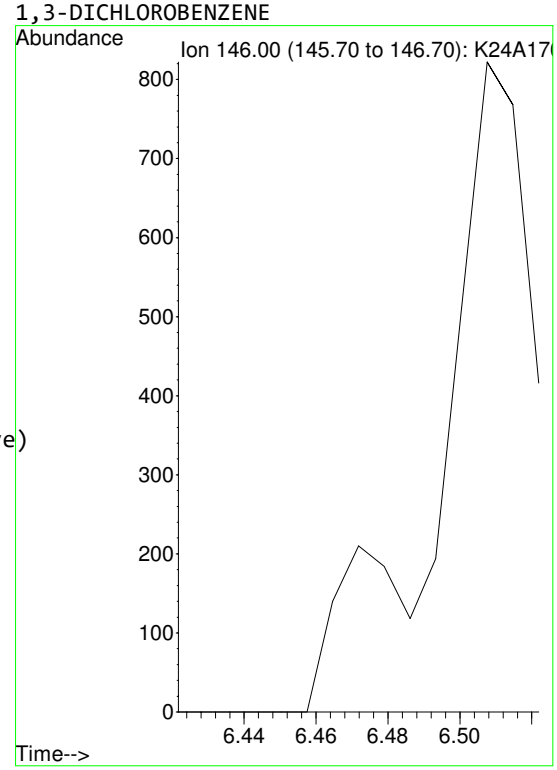
RT : 6.47
Area : 280
Amount: 0.0162905

Manual Int. Results

Wed Jun 19 11:16:57 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

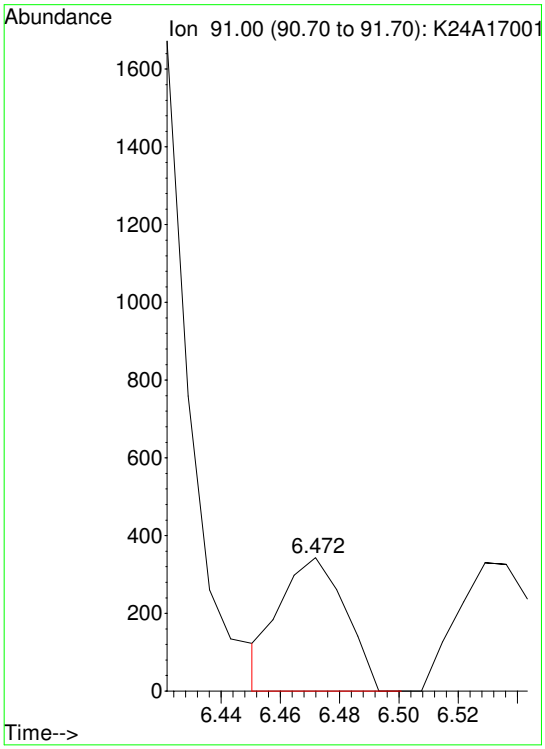
Manual Integration
1,3-DICHLOROBENZENE



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170013.D
Acq On : 18 Jun 2024 04:42 pm
Operator : CMR
Sample : 24F1161-04 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Wed Jun 19 11:19:49 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
BENZYL CHLORIDE



Original Int. Results

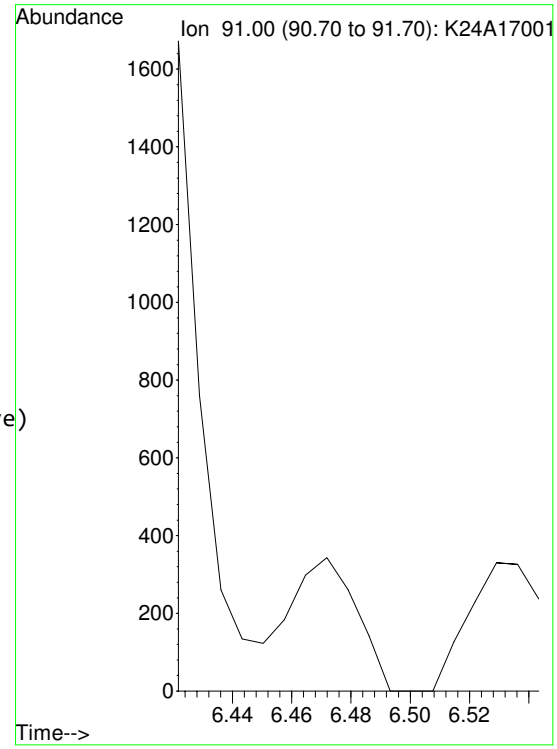
RT : 6.47
Area : 527
Amount: 0.0812444

Manual Int. Results

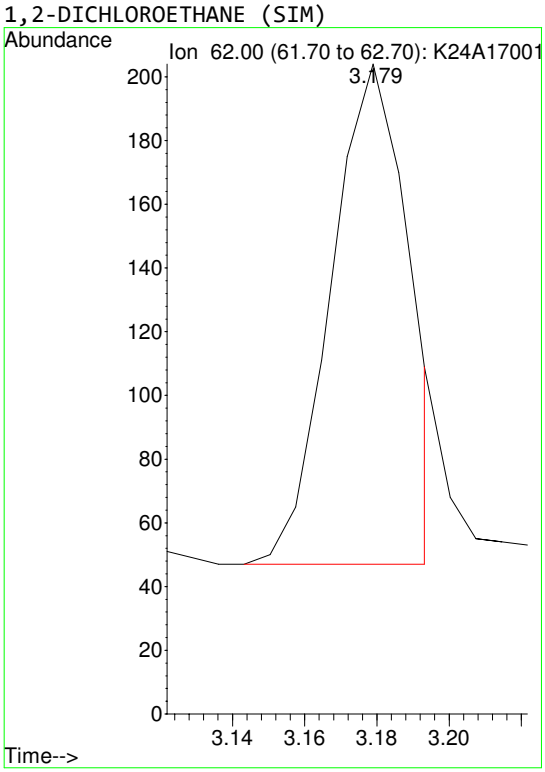
Wed Jun 19 11:16:59 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BENZYL CHLORIDE



Original Integration
1,2-DICHLOROETHANE (SIM)



Original Int. Results

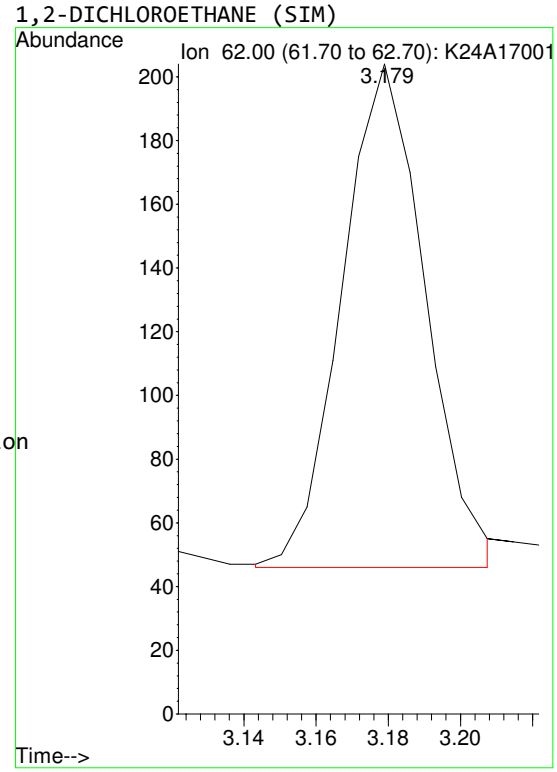
RT : 3.18
Area : 237
Amount: 0.0199104

Manual Int. Results

Wed Jun 19 11:17:12 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 3.18
Area : 254
Amount: 0.0213386

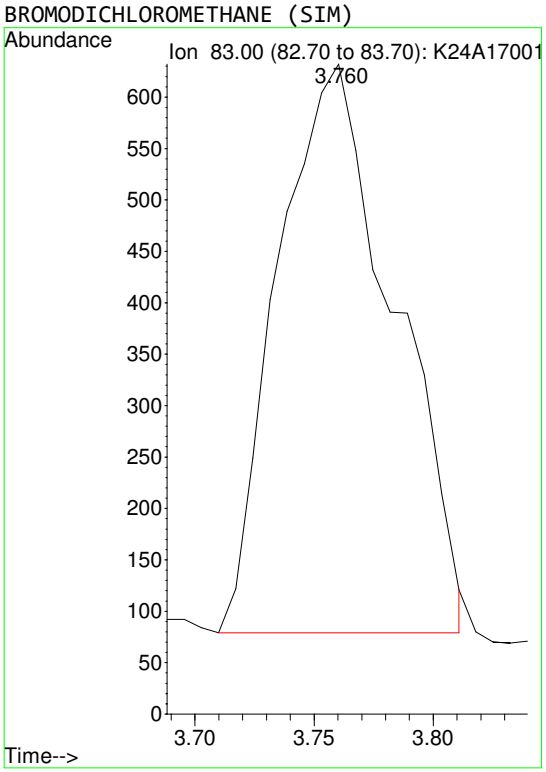
Manual Integration
1,2-DICHLOROETHANE (SIM)



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170013.D
Acq On : 18 Jun 2024 04:42 pm
Operator : CMR
Sample : 24F1161-04 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Wed Jun 19 11:19:49 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
BROMODICHLOROMETHANE (SIM)



Original Int. Results

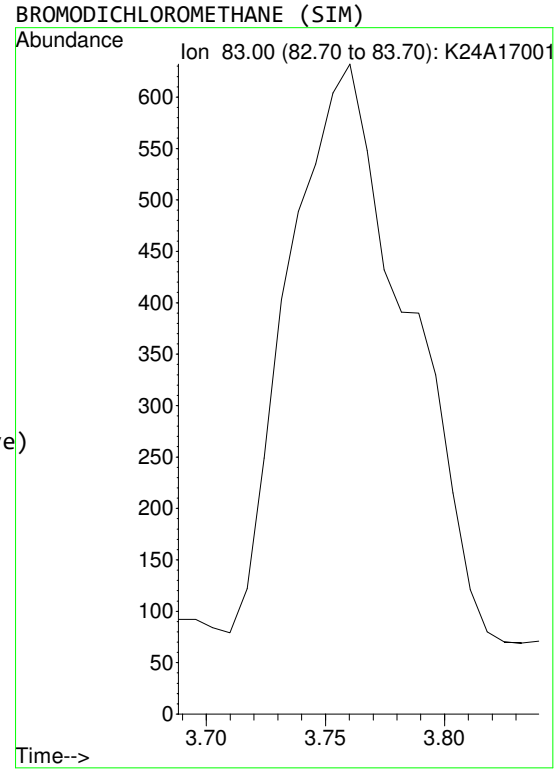
RT : 3.76
Area : 1882
Amount: 0.0968546

Manual Int. Results

Wed Jun 19 11:17:17 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMODICHLOROMETHANE (SIM)



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170013.D
Acq On : 18 Jun 2024 04:42 pm
Operator : CMR
Sample : 24F1161-04 0.7X Inst : SYSK
Misc : 1.5,1,200,430,0.7X
ALS Vial : 11 Sample Multiplier: 1
InstName : SYSK

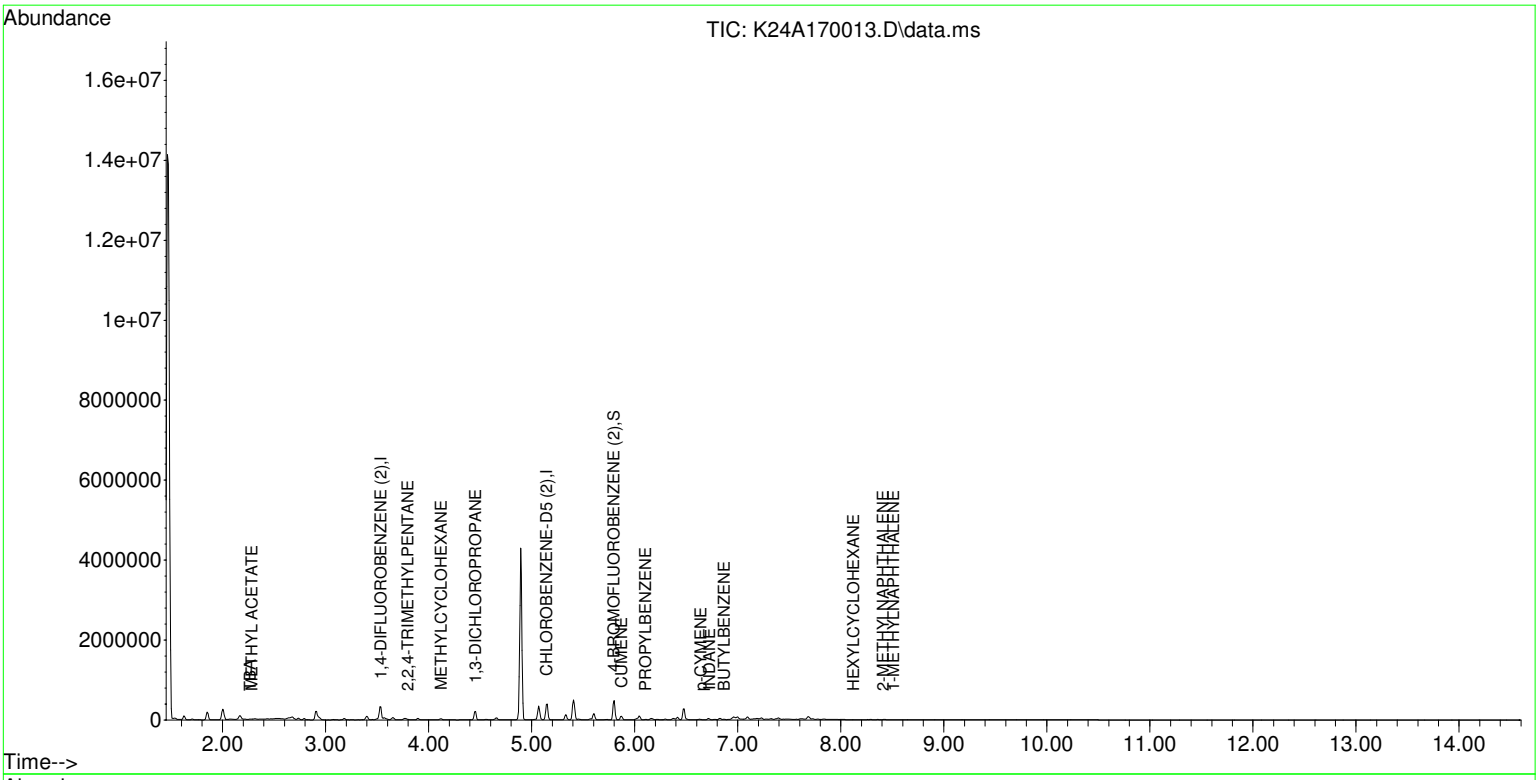
Quant Time: Jun 19 11:56:00 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX051524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed May 15 09:37:36 2024
Response via : Initial Calibration

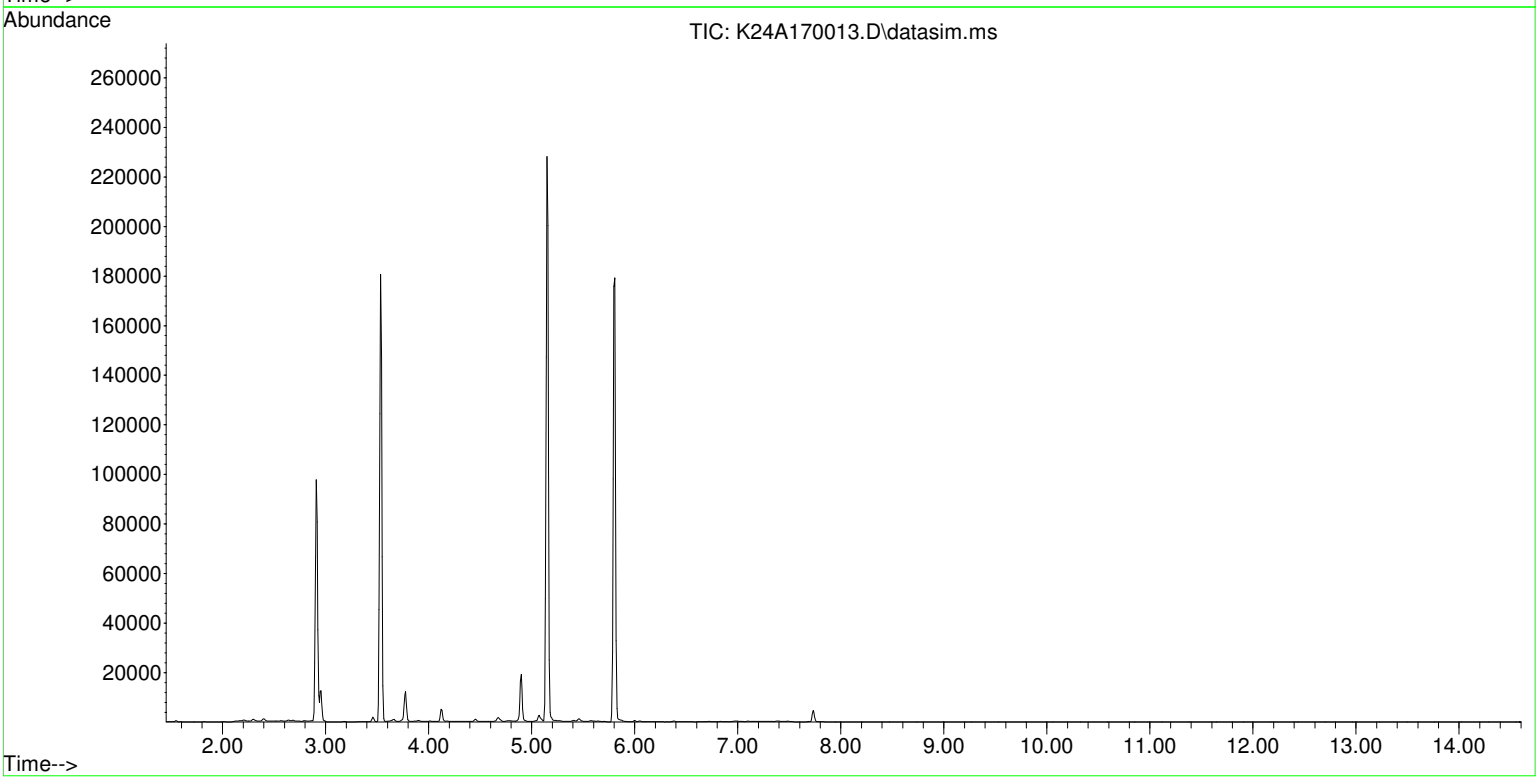
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-DIFLUOROBENZENE (2)	3.535	114	221642	8.000	PPBV		0.00
7) CHLOROBENZENE-D5 (2)	5.142	54	44205	8.000	PPBV		0.00
System Monitoring Compounds							
10) 4-BROMOFLUOROBENZENE (2)	5.799	174	121311	10.062	PPBV		0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 125.75%				
Target Compounds							Qvalue
3) METHYL ACETATE	2.283	43	2874	0.147	PPBV		98
4) TBA	2.268	59	3154	0.138	PPBV		72
5) 2,2,4-TRIMETHYLPENTANE	3.798	57	7323	0.132	PPBV	#	64
6) METHYLCYCLOHEXANE	4.123	83	7086	0.353	PPBV		89
8) 1,3-DICHLOROPROPANE	4.454	76	506	0.022	PPBV	#	1
11) CUMENE	5.871	105	53371	0.945	PPBV		96
12) PROPYLBENZENE	6.107	120	1573	0.128	PPBV	#	90
15) p-CYMENE	6.644	119	2874	0.061	PPBV	#	59
16) INDANE	6.722	117	2592	0.068	PPBV		89
18) BUTYLBENZENE	6.865	91	1983	0.037	PPBV	#	44
20) HEXYLCYCLOHEXANE	8.125	83	381	0.014	PPBV	#	76
21) 2-METHYLNAPHTHALENE	8.410	142	682	0.047	UG/L		93
22) 1-METHYLNAPHTHALENE	8.510	142	424	0.024	UG/L	#	82

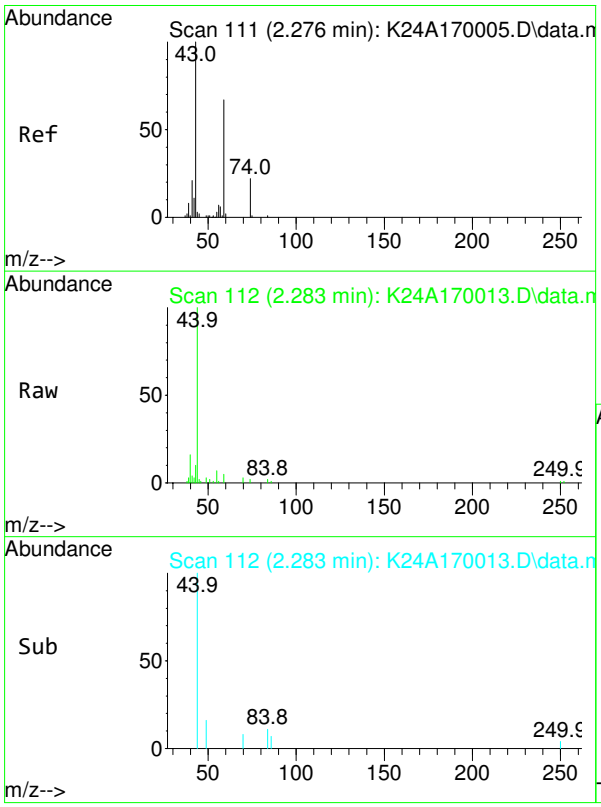
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170013.D
Acq On : 18 Jun 2024 04:42 pm
Operator : CMR
Sample : 24F1161-04 0.7X Inst : SYSK
Misc : 1.5,1,200,430,0.7X
ALS Vial : 11 Sample Multiplier: 1
InstName : SYSK

Quant Time: Jun 19 11:56:00 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX051524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed May 15 09:37:36 2024
Response via : Initial Calibration



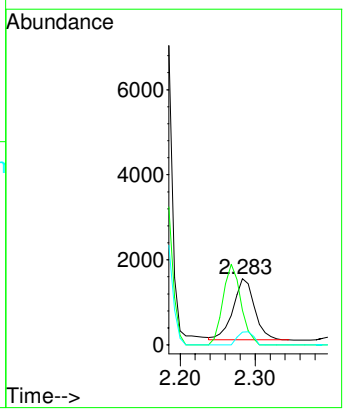


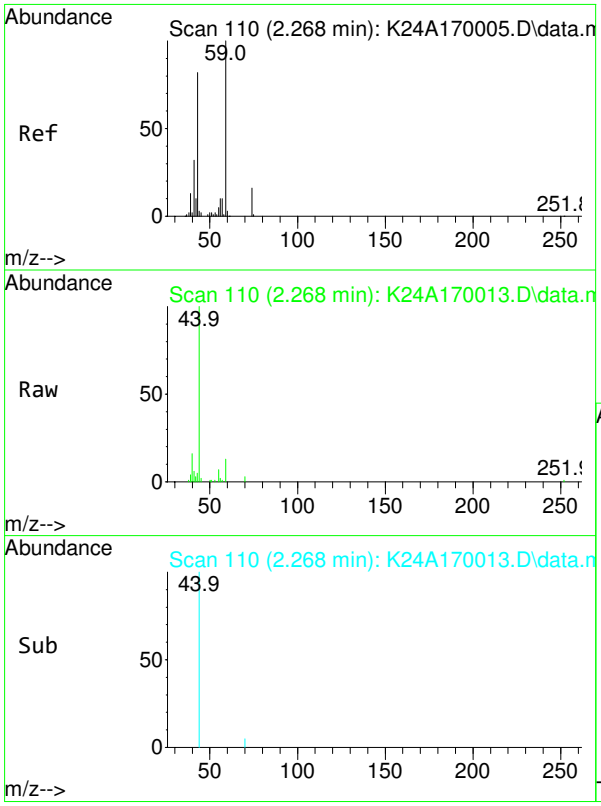


#3
METHYL ACETATE
Concen: 0.15 PPBV
RT: 2.283 min Scan# 112
Delta R.T. 0.015 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion: 43 Resp: 2874

Ion	Ratio	Lower	Upper
43	100		
59	109.7	91.3	131.3
74	15.6	0.0	33.8

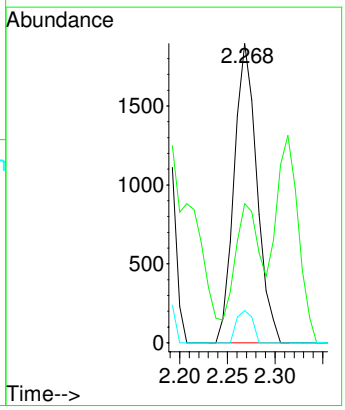


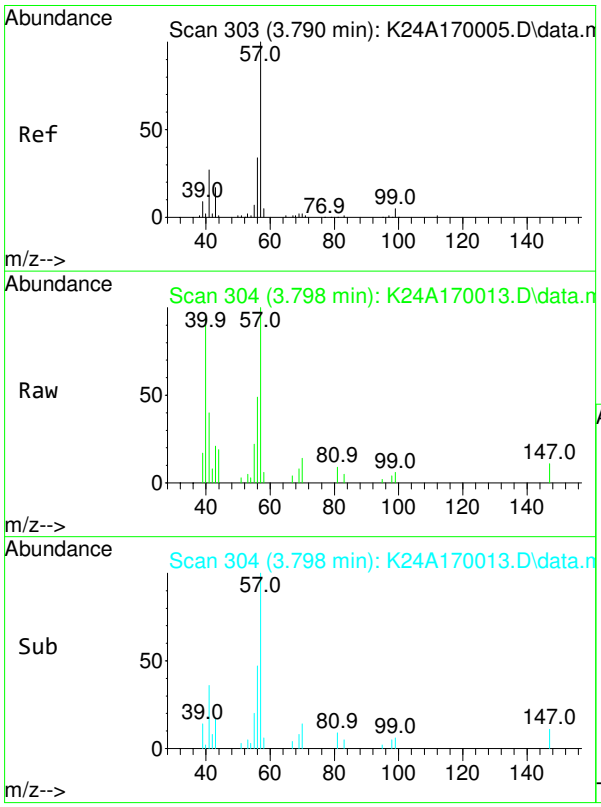


#4
TBA
Concen: 0.14 PPBV
RT: 2.268 min Scan# 110
Delta R.T. 0.007 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion: 59 Resp: 3154

Ion	Ratio	Lower	Upper
59	100		
41	40.5	2.2	42.2
57	7.6	0.0	30.9

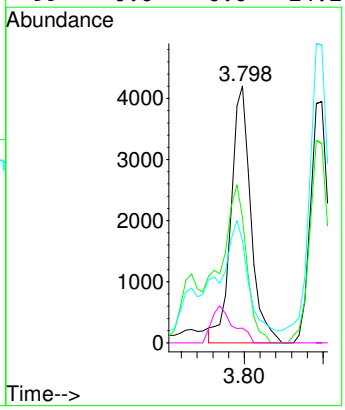


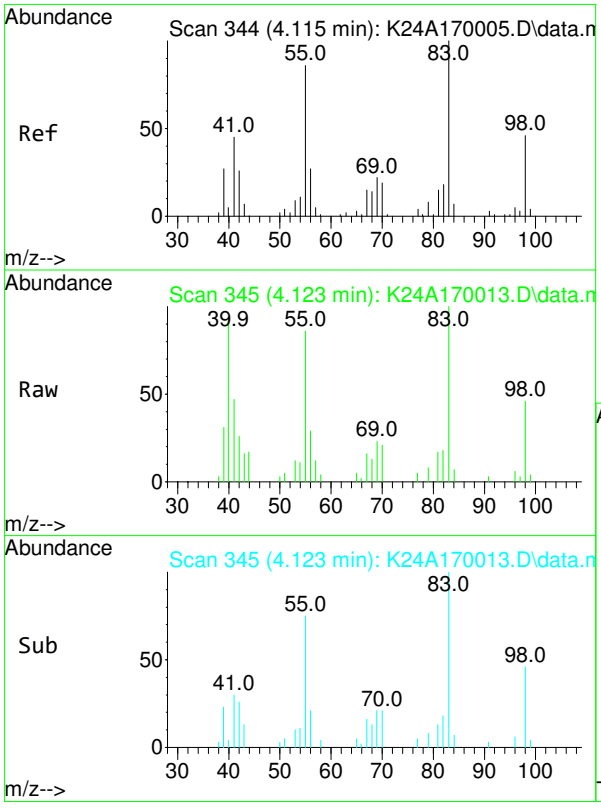


#5
2,2,4-TRIMETHYLPENTANE
Concen: 0.13 PPBV
RT: 3.798 min Scan# 304
Delta R.T. 0.007 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion: 57 Resp: 7323

Ion	Ratio	Lower	Upper
57	100		
56	60.2	13.0	53.0#
41	43.0	8.8	48.8
99	0.0	0.0	24.2

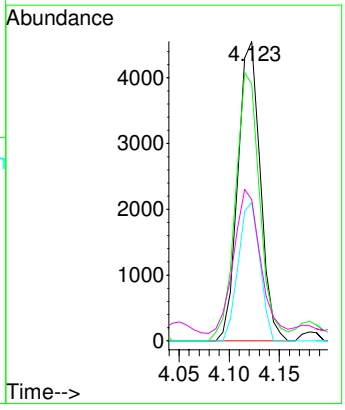


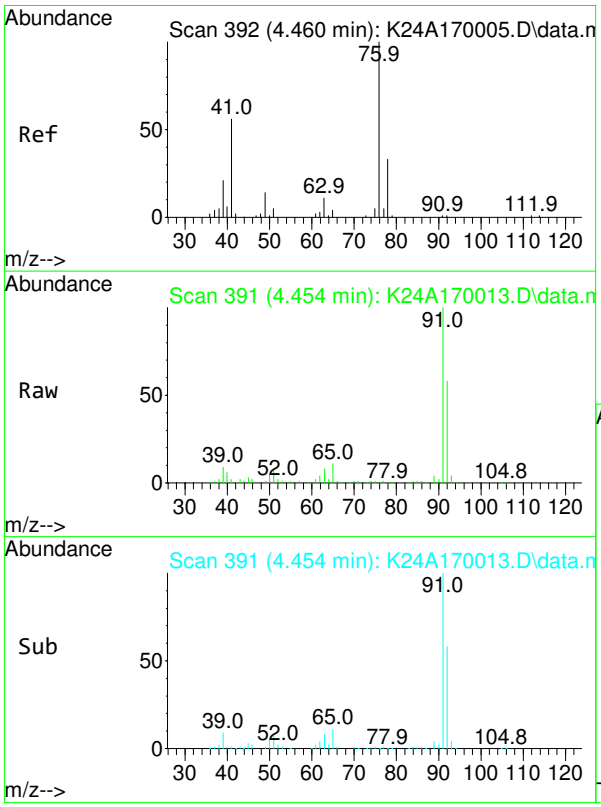


#6
METHYLCYCLOHEXANE
Concen: 0.35 PPBV
RT: 4.123 min Scan# 345
Delta R.T. 0.007 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion: 83 Resp: 7086

Ion	Ratio	Lower	Upper
83	100		
55	97.6	96.7	136.7
98	44.3	27.9	67.9
41	59.0	41.8	81.8

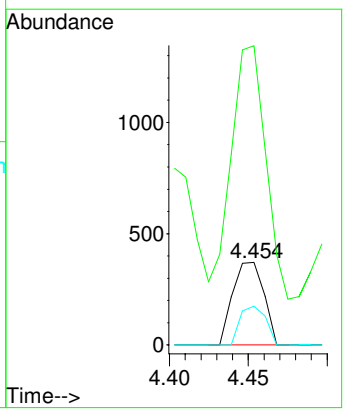


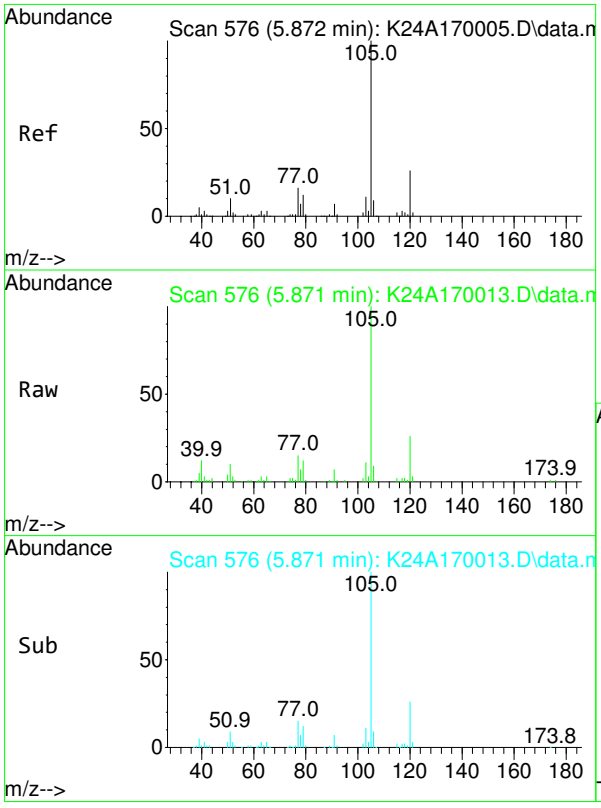


#8
1,3-DICHLOROPROPANE
Concen: 0.02 PPBV
RT: 4.454 min Scan# 391
Delta R.T. 0.000 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion: 76 Resp: 506

Ion	Ratio	Lower	Upper
76	100		
41	339.9	71.7	111.7#
78	38.9	12.7	52.7

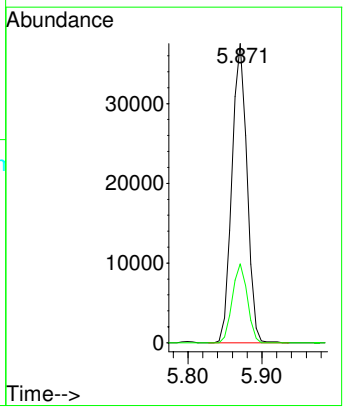


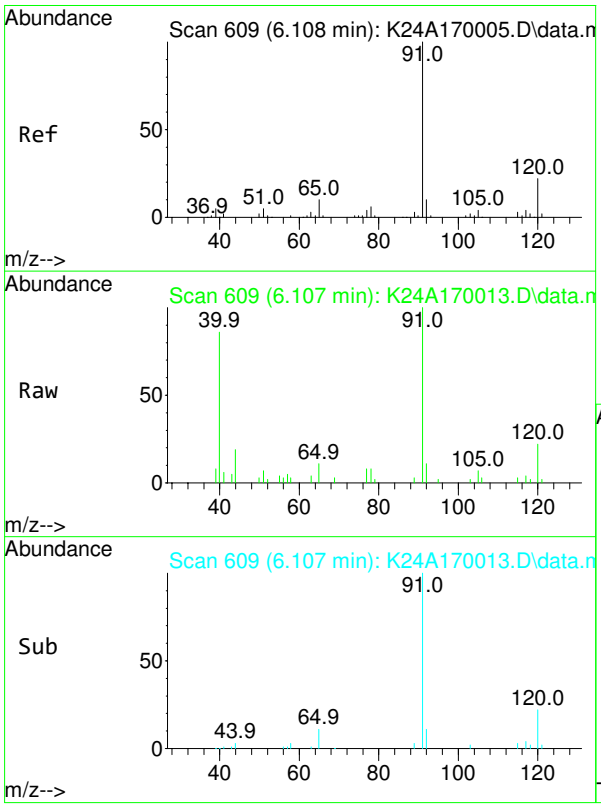


#11
CUMENE
Concen: 0.95 PPBV
RT: 5.871 min Scan# 576
Delta R.T. -0.001 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion:105 Resp: 53371

Ion	Ratio	Lower	Upper
105	100		
120	26.1	4.3	44.3

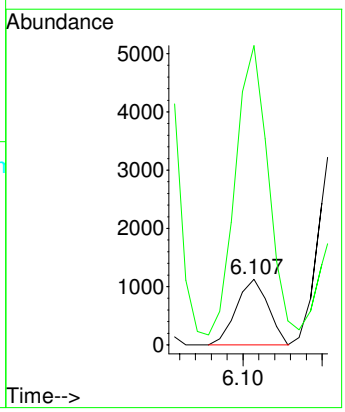


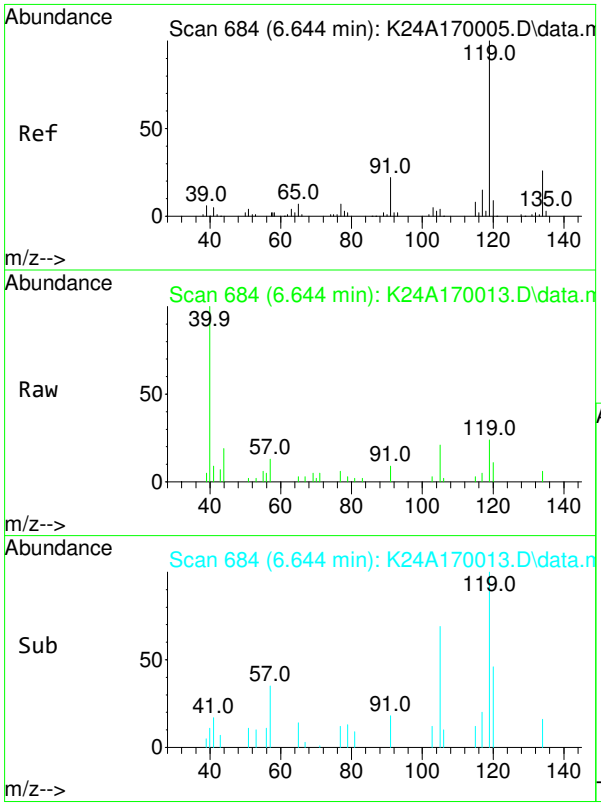


#12
PROPYLBENZENE
Concen: 0.13 PPBV
RT: 6.107 min Scan# 609
Delta R.T. -0.001 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion:120 Resp: 1573

Ion	Ratio	Lower	Upper
120	100		
91	448.2	455.0	495.0#

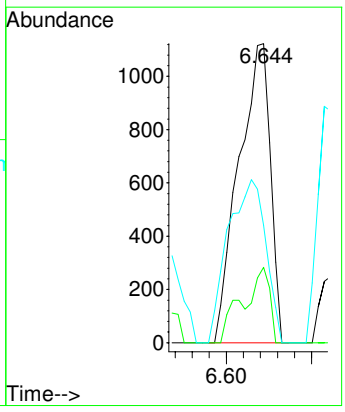


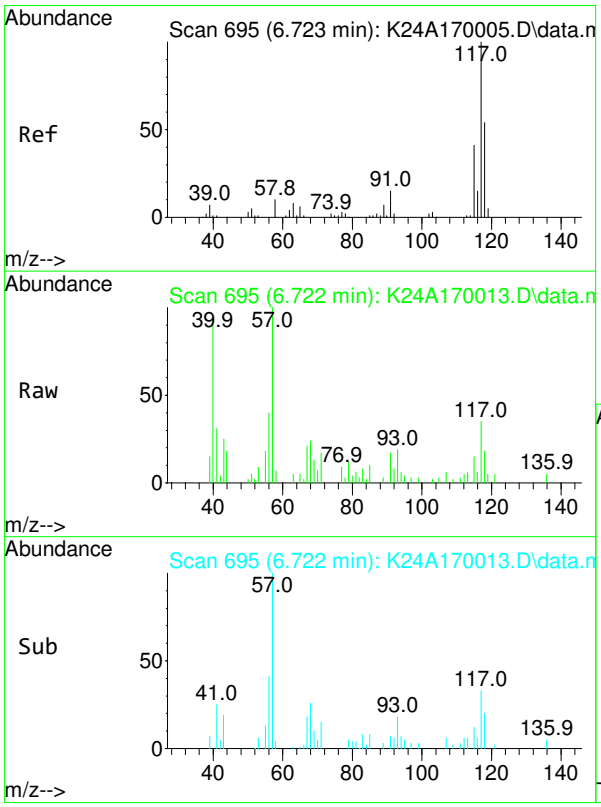


#15
p-CYMENE
Concen: 0.06 PPBV
RT: 6.644 min Scan# 684
Delta R.T. -0.001 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion:119 Resp: 2874

Ion	Ratio	Lower	Upper
119	100		
134	21.4	4.1	44.1
91	65.2	7.7	47.7#

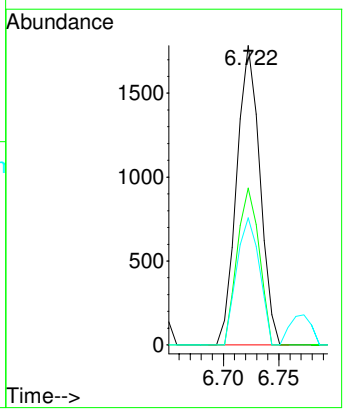


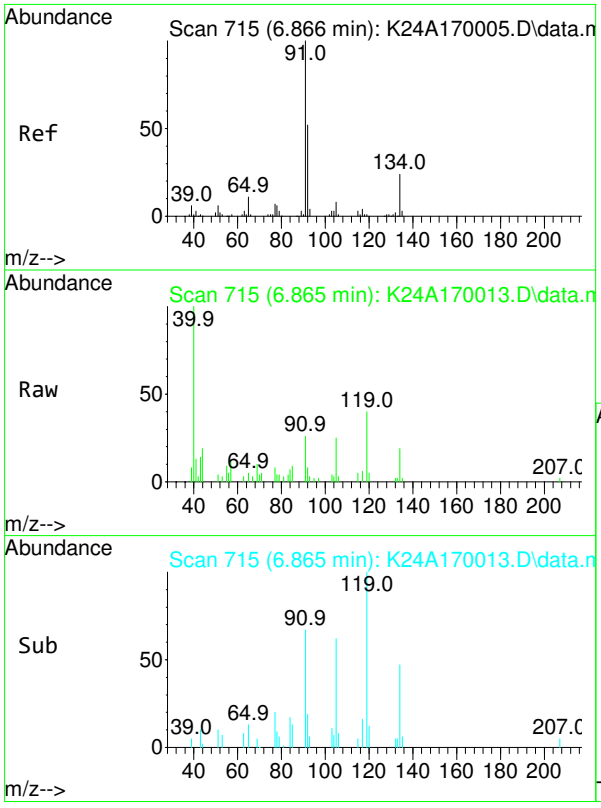


#16
INDANE
Concen: 0.07 PPBV
RT: 6.722 min Scan# 695
Delta R.T. -0.001 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion:117 Resp: 2592

Ion	Ratio	Lower	Upper
117	100		
118	49.5	36.9	76.9
115	41.6	14.5	54.5

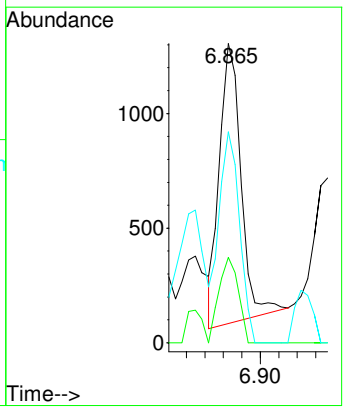


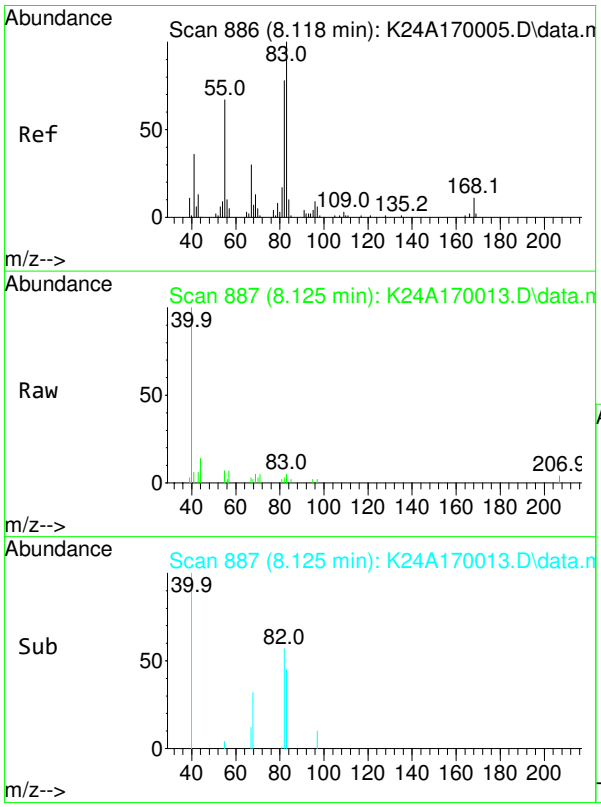


#18
BUTYLBENZENE
Concen: 0.04 PPBV
RT: 6.865 min Scan# 715
Delta R.T. -0.001 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion: 91 Resp: 1983

Ion	Ratio	Lower	Upper
91	100		
92	27.5	34.3	74.3#
134	72.0	3.6	43.6#

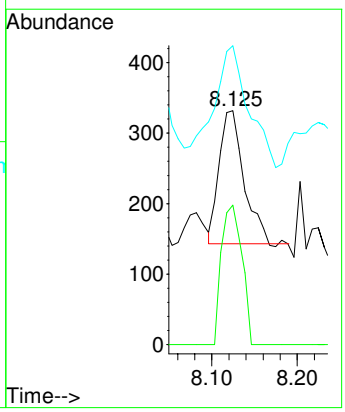


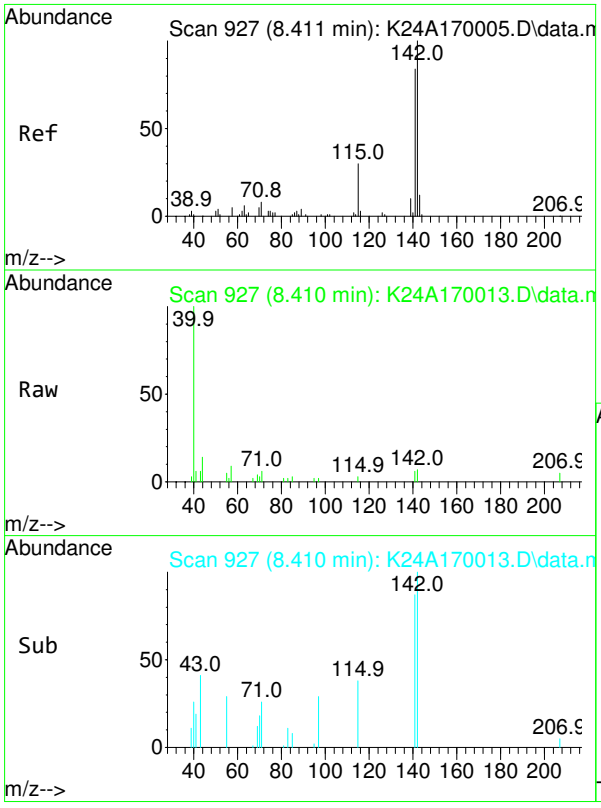


#20
HEXYLCYCLOHEXANE
Concen: 0.01 PPBV
RT: 8.125 min Scan# 887
Delta R.T. 0.006 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion: 83 Resp: 381

Ion	Ratio	Lower	Upper
83	100		
82	86.6	55.0	95.0
55	132.3	80.5	120.5#

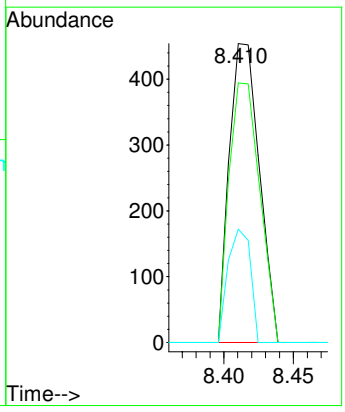


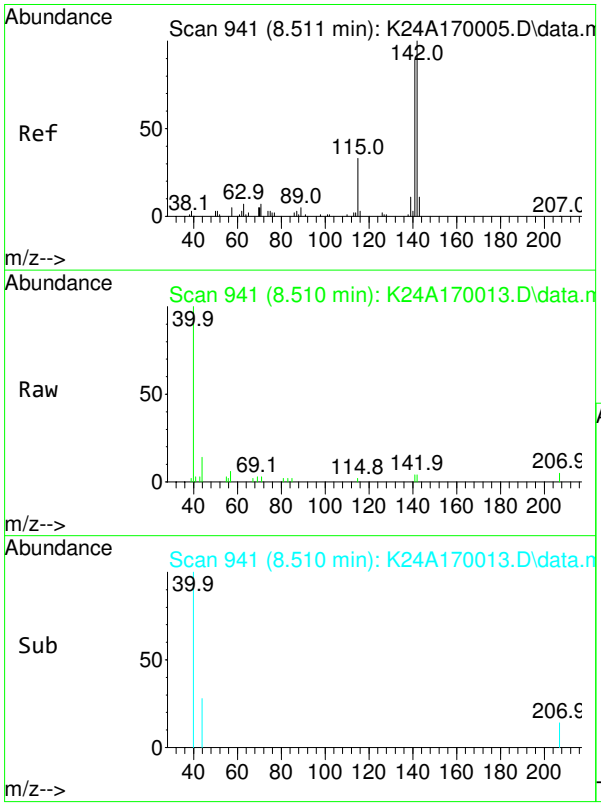


#21
2-METHYLNAPHTHALENE
Concen: 0.05 UG/L
RT: 8.410 min Scan# 927
Delta R.T. -0.001 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion:142 Resp: 682

Ion	Ratio	Lower	Upper
142	100		
141	88.7	67.9	107.9
115	28.4	21.5	61.5

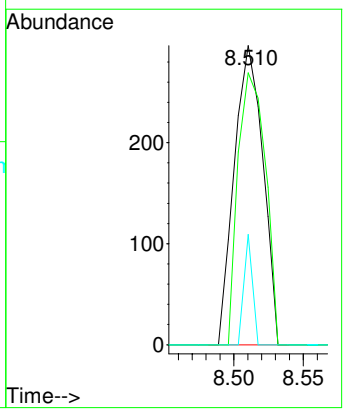




#22
1-METHYLNAPHTHALENE
Concen: 0.02 UG/L
RT: 8.510 min Scan# 941
Delta R.T. -0.001 min
Lab File: K24A170013.D
Acq: 18 Jun 2024 04:42 pm

Tgt Ion:142 Resp: 424

Ion	Ratio	Lower	Upper
142	100		
141	86.8	69.2	109.2
115	11.1	22.3	62.3#



1 - FORM I
ANALYSIS DATA SHEET

Exhaust Grab

Laboratory:	Pace New England			Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY			Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1
Matrix:	Other	Laboratory ID:	24F1161-04RE1	File ID:	K24A170030.D
Sampled:	06/06/24 10:05	Prepared:	06/18/24 00:00	Analyzed:	06/19/24 08:41
Solids:		Preparation:	TO-15 Prep	Dilution:	10
Initial/Final:	400 mL / 400 mL				
Batch:	B377758	Sequence:	S106148	Calibration:	2400609
Instrument:	SYSK				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
64-17-5	Ethanol	80	13	20	
127-18-4	Tetrachloroethylene	67	0.43	0.50	

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170030.D
Acq On : 19 Jun 2024 08:41 am
Operator : CMR
Sample : 24F1161-04 10X Inst : SYSK
Misc : 1.5,1,200,30,10X
ALS Vial : 11 Sample Multiplier: 1
InstName : SYSK

Quant Time: Jun 19 11:05:28 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Apr 23 10:16:53 2024
Response via : Initial Calibration

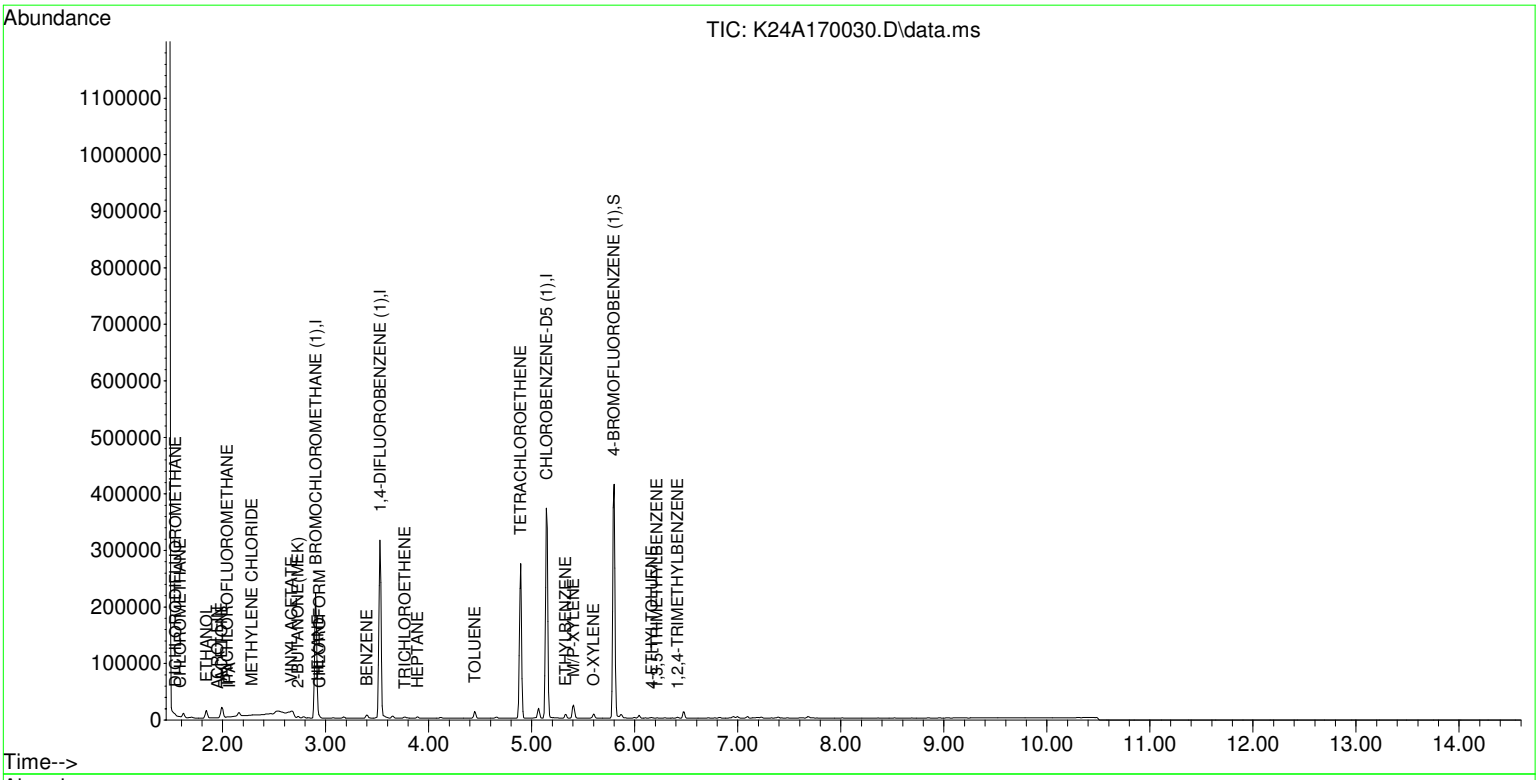
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.904	49	79354	8.000	PPBV	# 0.00
30) 1,4-DIFLUOROBENZENE (1)	3.527	114	199209m	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.142	117	187385	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.909	49	80181	8.000	PPBV	# 0.00
77) 1,4-DIFLUOROBENZENE (1...	3.533	114	205485	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.148	117	195003	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.799	174	106383	8.534	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 106.62%			
88) 4-BROMOFLUOROBENZENE (...	5.798	174	111312	8.698	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 108.75%			
Target Compounds						Qvalue
3) DICHLORODIFLUOROMETHANE	1.545	85	649	0.037	PPBV	98
4) CHLOROMETHANE	1.587	50	244	0.032	PPBV #	42
10) ACROLEIN	1.951	56	259	0.086	PPBV	85
11) ACETONE	1.987	43	13709	1.399	PPBV	99
12) TRICHLOROFLUOROMETHANE	2.044	101	282	0.017	PPBV #	45
13) ETHANOL	1.844	45	12036	8.032	PPBV	100
15) METHYLENE CHLORIDE	2.283	49	281	0.032	PPBV #	49
21) IPA	2.065	45	1495	0.107	PPBV #	1
22) 2-BUTANONE(MEK)	2.730	43	2323	0.163	PPBV	87
24) VINYL ACETATE	2.669	43	3928m	0.223	PPBV	
25) HEXANE	2.926	41	1131	0.143	PPBV	93
27) CHLOROFORM	2.941	83	658	0.045	PPBV	89
32) BENZENE	3.400	78	1287	0.064	PPBV	91
37) TRICHLOROETHENE	3.769	95	564	0.059	PPBV #	79
40) HEPTANE	3.891	57	415	0.057	PPBV #	82
46) TOLUENE	4.446	91	7648	0.307	PPBV	98
50) TETRACHLOROETHENE	4.892	166	69072	6.711	PPBV	91
52) ETHYLBENZENE	5.330	91	4713	0.150	PPBV	100
53) M/P-XYLENE	5.405	91	13235	0.522	PPBV	88
56) O-XYLENE	5.600	91	4323	0.177	PPBV	98
59) 4-ETHYLTOLUENE	6.164	105	1343m	0.043	PPBV	
60) 1,3,5-TRIMETHYLBENZENE	6.214	105	383	0.016	PPBV	99
61) 1,2,4-TRIMETHYLBENZENE	6.415	105	1313	0.052	PPBV #	96
75] CHLOROFORM (SIM)	2.947	83	738	0.053	PPBV	95
81] TRICHLOROETHENE (SIM)	3.767	95	608	0.060	PPBV	86
89] NAPHTHALENE (SIM)	7.738	128	319	0.016	PPBV	100

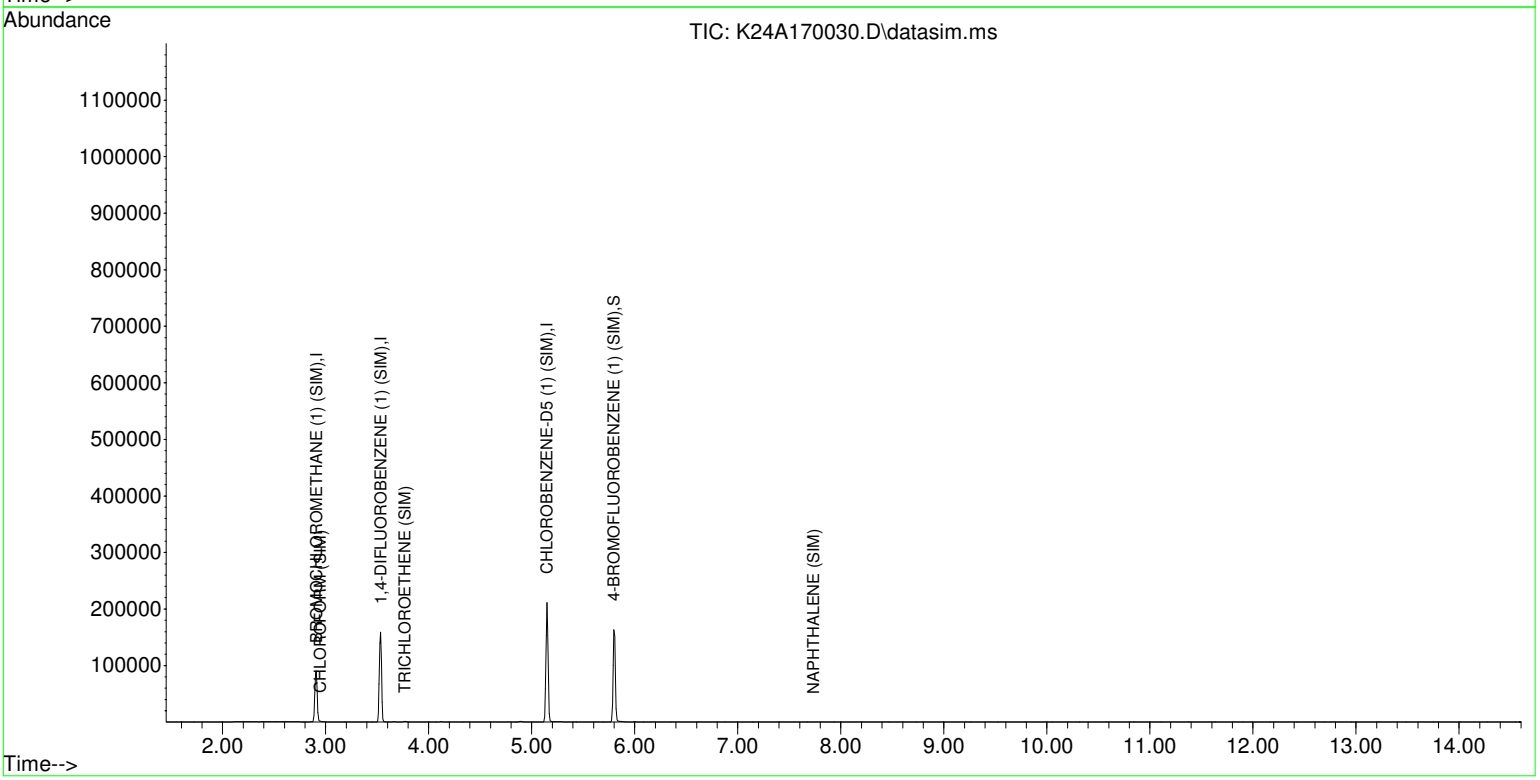
(#) = qualifier out of range (m) = manual integration (+) = signals summed

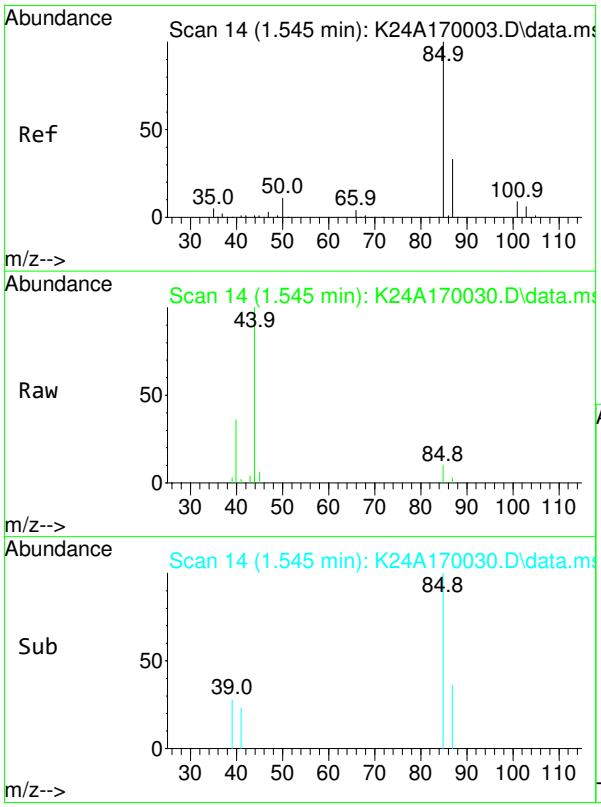
Data Path : D:\MassHunter\GCMS\1\data\K061824\

Data File : K24A170030.D
Acq On : 19 Jun 2024 08:41 am
Operator : CMR
Sample : 24F1161-04 10X Inst : SYSK
Misc : 1.5,1,200,30,10X
ALS Vial : 11 Sample Multiplier: 1
InstName : SYSK

Quant Time: Jun 19 11:05:28 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Apr 23 10:16:53 2024
Response via : Initial Calibration



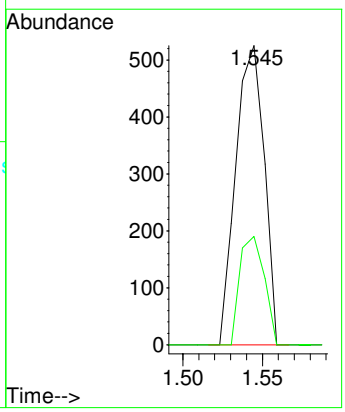


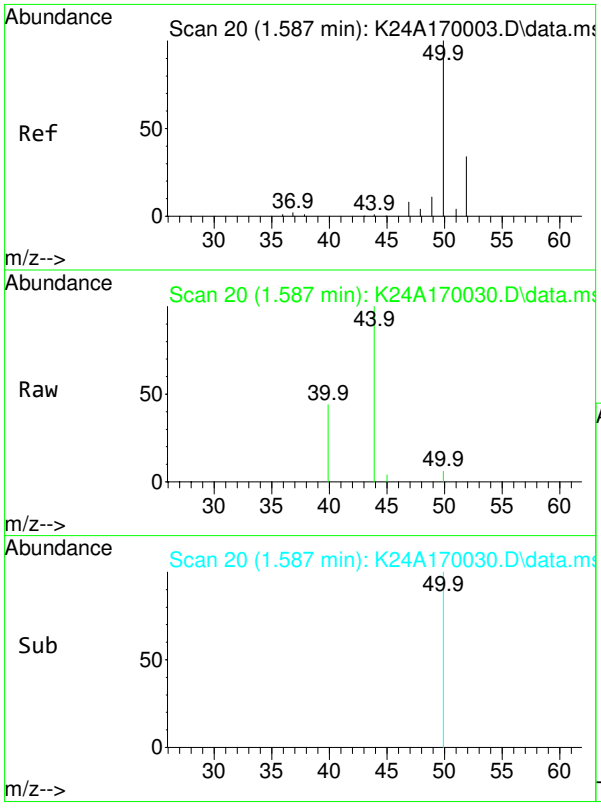


#3
DICHLORODIFLUOROMETHANE
Concen: 0.04 PPBV
RT: 1.545 min Scan# 14
Delta R.T. -0.002 min
Lab File: K24A170030.D
Acq: 19 Jun 2024 08:41 am

Tgt Ion: 85 Resp: 649

Ion	Ratio	Lower	Upper
85	100		
87	31.4	12.3	52.3

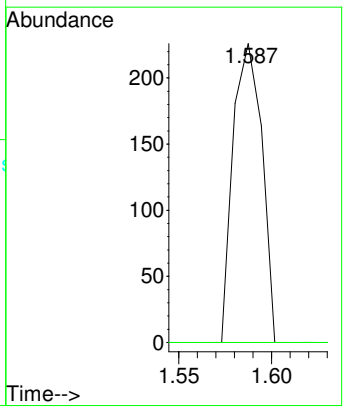


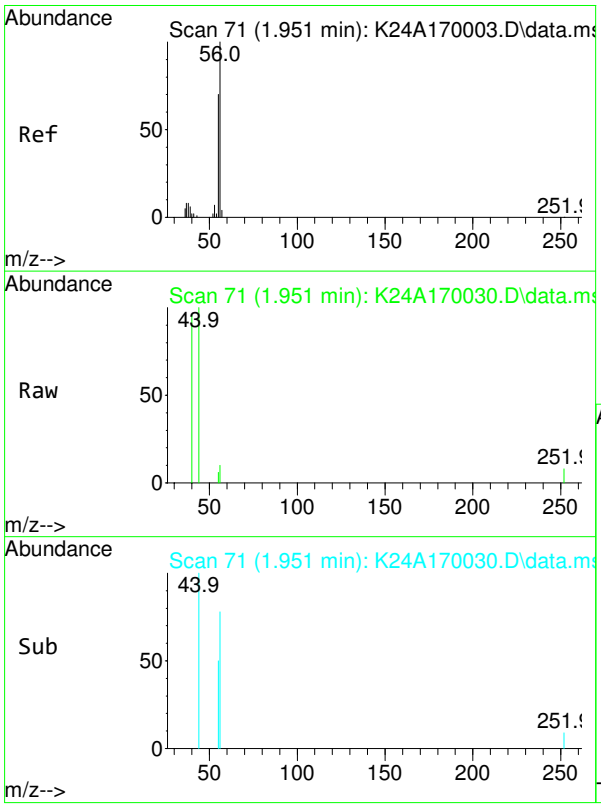


#4
CHLOROMETHANE
Concen: 0.03 PPBV
RT: 1.587 min Scan# 20
Delta R.T. -0.001 min
Lab File: K24A170030.D
Acq: 19 Jun 2024 08:41 am

Tgt Ion: 50 Resp: 244

Ion	Ratio	Lower	Upper
50	100		
52	0.0	12.2	52.2#

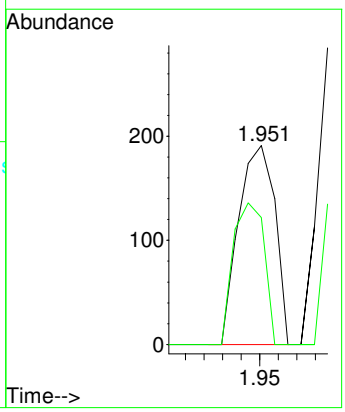


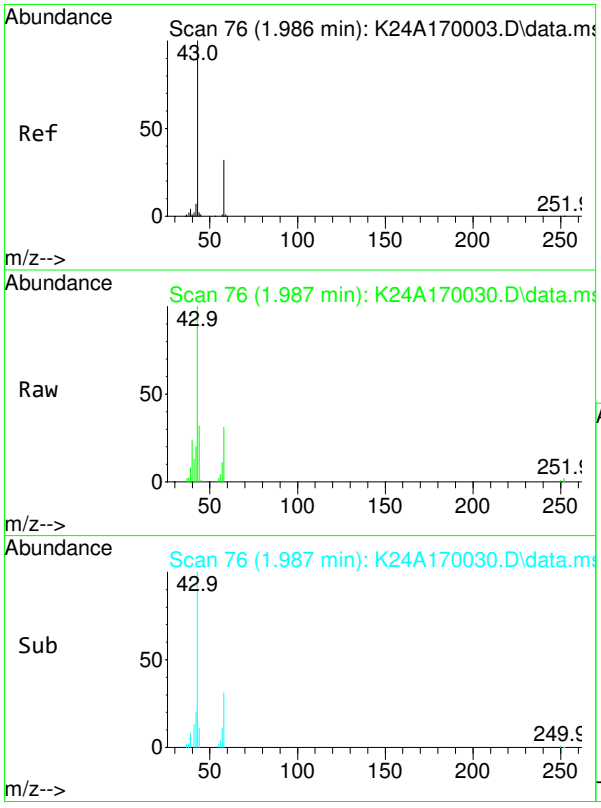


#10
ACROLEIN
Concen: 0.09 PPBV
RT: 1.951 min Scan# 71
Delta R.T. -0.000 min
Lab File: K24A170030.D
Acq: 19 Jun 2024 08:41 am

Tgt Ion: 56 Resp: 259

Ion	Ratio	Lower	Upper
56	100		
55	61.0	58.6	87.8

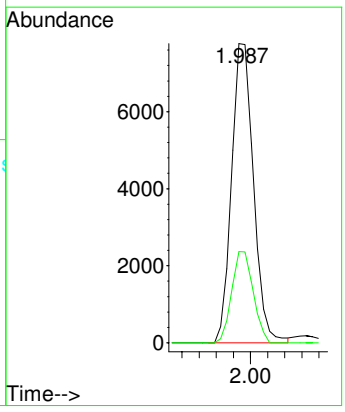


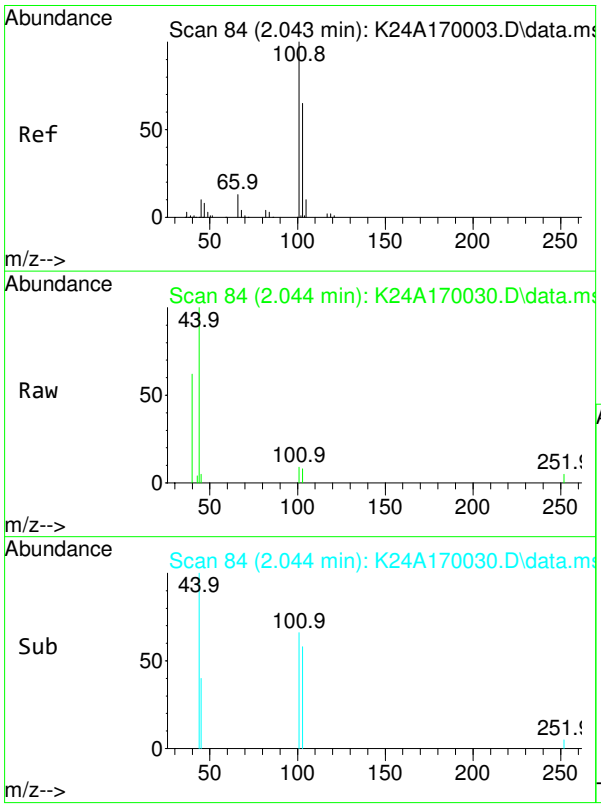


#11
ACETONE
Concen: 1.40 PPBV
RT: 1.987 min Scan# 76
Delta R.T. 0.001 min
Lab File: K24A170030.D
Acq: 19 Jun 2024 08:41 am

Tgt Ion: 43 Resp: 13709

Ion	Ratio	Lower	Upper
43	100		
58	29.7	9.1	49.1

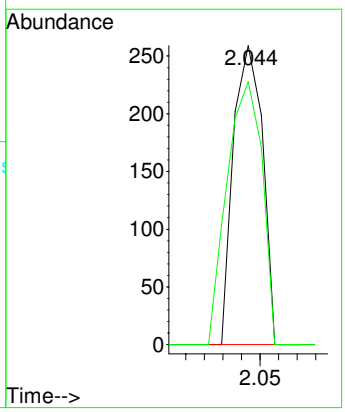


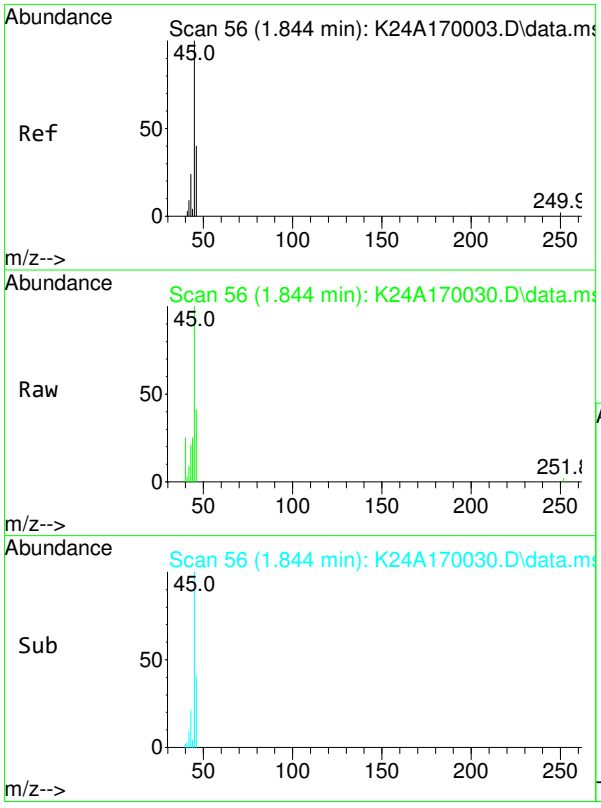


#12
TRICHLOROFLUOROMETHANE
Concen: 0.02 PPBV
RT: 2.044 min Scan# 84
Delta R.T. -0.004 min
Lab File: K24A170030.D
Acq: 19 Jun 2024 08:41 am

Tgt Ion:101 Resp: 282

Ion	Ratio	Lower	Upper
101	100		
103	106.0	43.0	83.0#

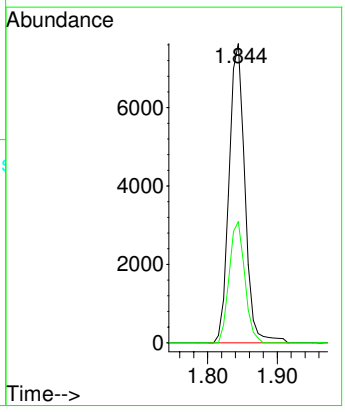


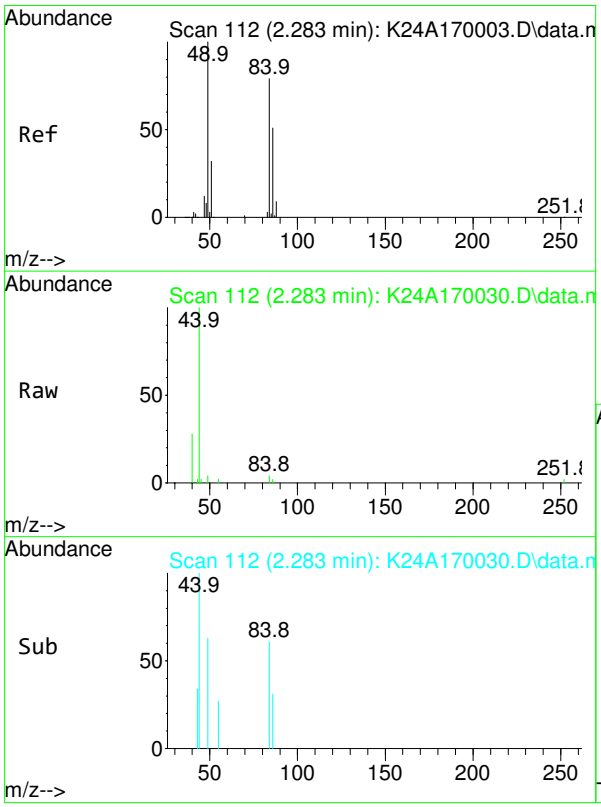


#13
ETHANOL
Concen: 8.03 PPBV
RT: 1.844 min Scan# 56
Delta R.T. 0.001 min
Lab File: K24A170030.D
Acq: 19 Jun 2024 08:41 am

Tgt Ion: 45 Resp: 12036

Ion	Ratio	Lower	Upper
45	100		
46	39.8	19.9	59.9

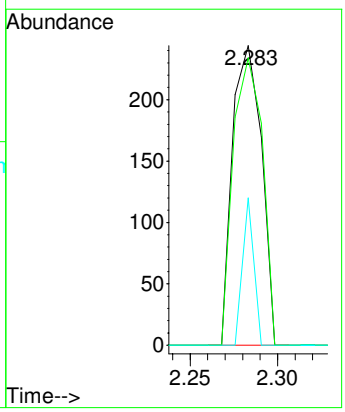


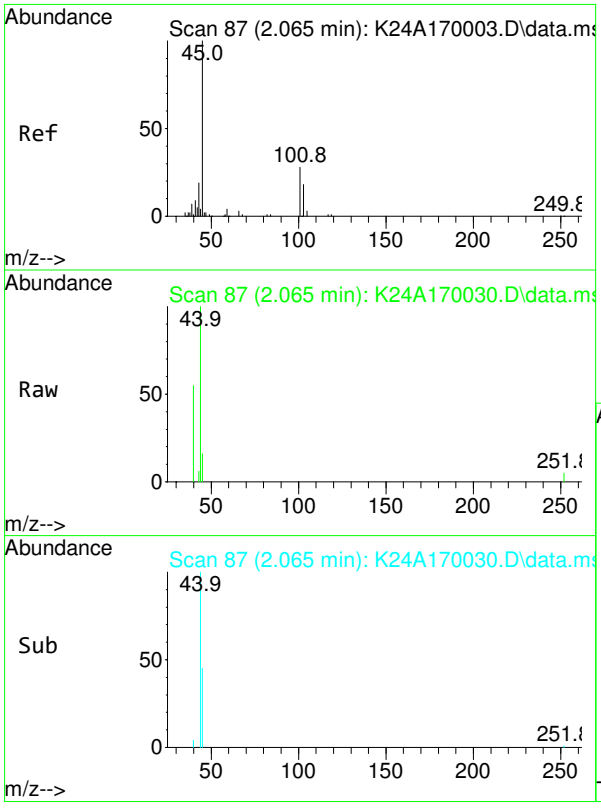


#15
METHYLENE CHLORIDE
Concen: 0.03 PPBV
RT: 2.283 min Scan# 112
Delta R.T. 0.000 min
Lab File: K24A170030.D
Acq: 19 Jun 2024 08:41 am

Tgt Ion: 49 Resp: 281

Ion	Ratio	Lower	Upper
49	100		
84	97.2	44.5	84.5#
86	0.0	21.1	61.1#

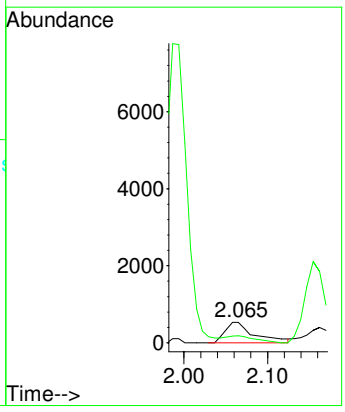


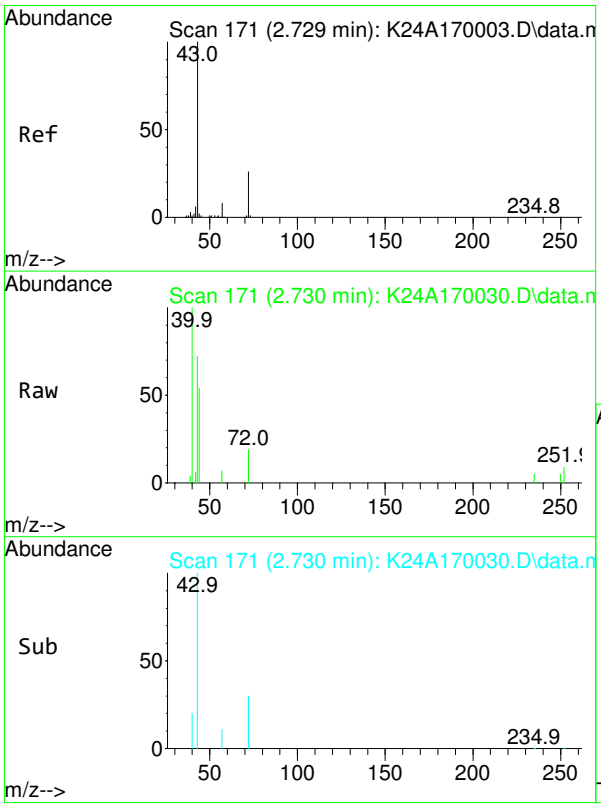


#21
IPA
Concen: 0.11 PPBV
RT: 2.065 min Scan# 87
Delta R.T. 0.002 min
Lab File: K24A170030.D
Acq: 19 Jun 2024 08:41 am

Tgt Ion: 45 Resp: 1495

Ion	Ratio	Lower	Upper
45	100		
43	936.5	0.2	40.2#

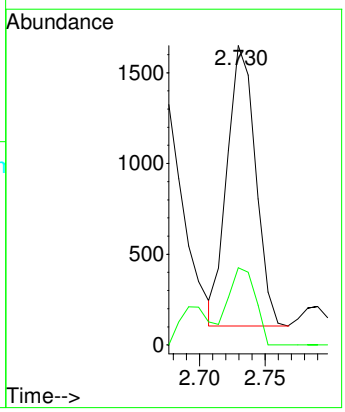


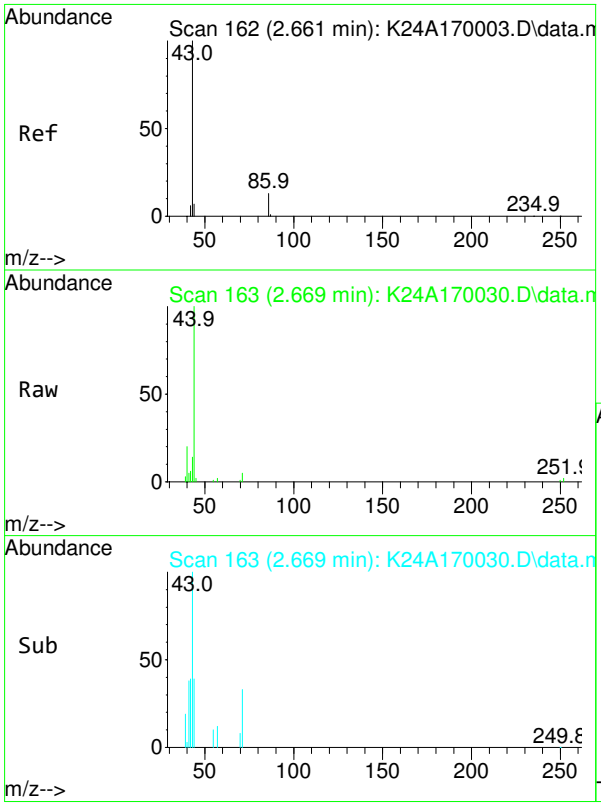


#22
2-BUTANONE(MEK)
Concen: 0.16 PPBV
RT: 2.730 min Scan# 171
Delta R.T. 0.002 min
Lab File: K24A170030.D
Acq: 19 Jun 2024 08:41 am

Tgt Ion: 43 Resp: 2323

Ion	Ratio	Lower	Upper
43	100		
72	25.6	0.0	39.8

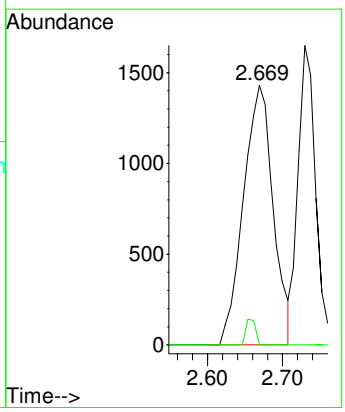


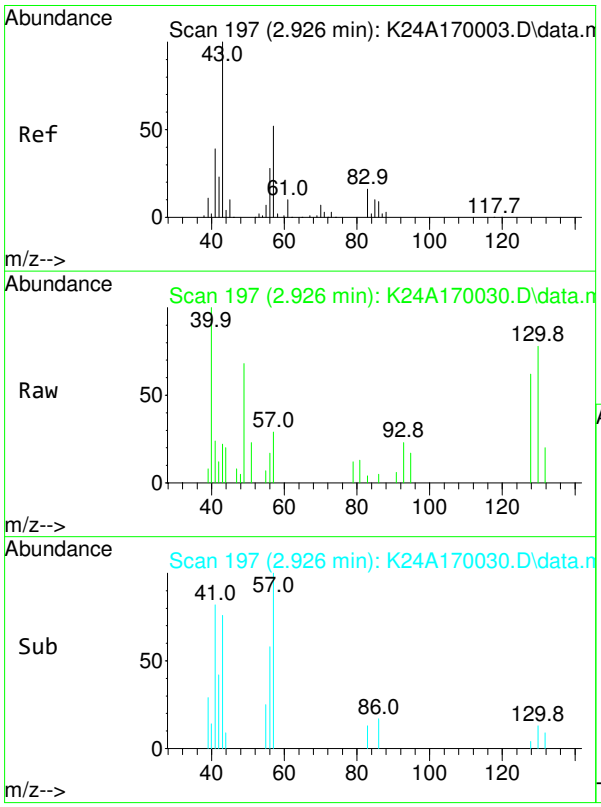


#24
VINYL ACETATE
Concen: 0.22 PPBV m
RT: 2.669 min Scan# 163
Delta R.T. 0.004 min
Lab File: K24A170030.D
Acq: 19 Jun 2024 08:41 am

Tgt Ion: 43 Resp: 3928

Ion	Ratio	Lower	Upper
43	100		
86	3.2	0.0	16.9

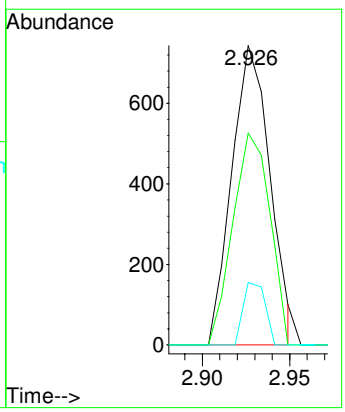


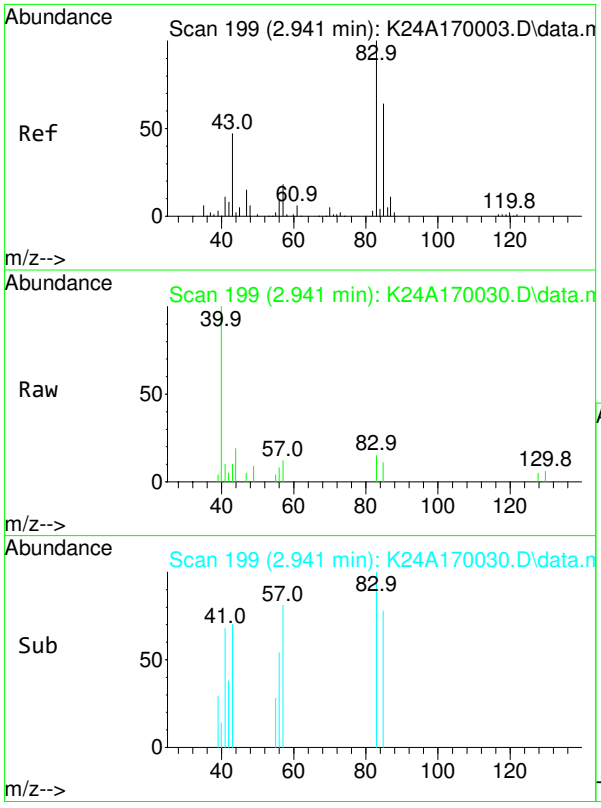


#25
HEXANE
Concen: 0.14 PPBV
RT: 2.926 min Scan# 197
Delta R.T. -0.004 min
Lab File: K24A170030.D
Acq: 19 Jun 2024 08:41 am

Tgt Ion: 41 Resp: 1131

Ion	Ratio	Lower	Upper
41	100		
56	68.5	46.2	86.2
86	12.0	10.7	30.7

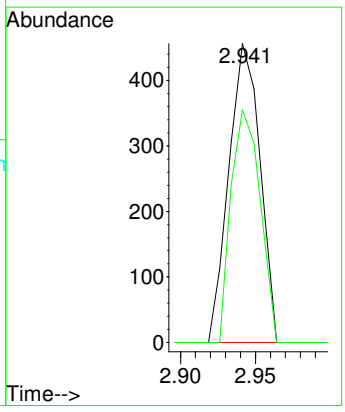


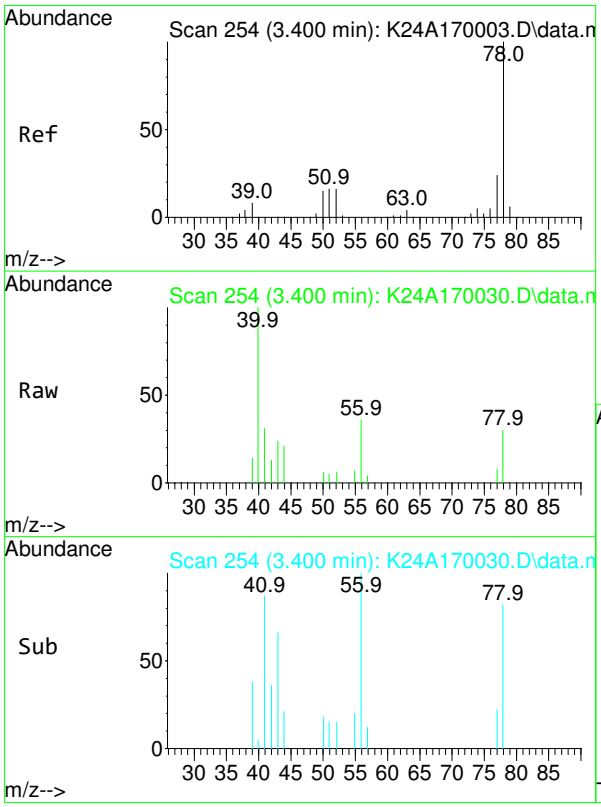


#27
CHLOROFORM
Concen: 0.04 PPBV
RT: 2.941 min Scan# 199
Delta R.T. -0.004 min
Lab File: K24A170030.D
Acq: 19 Jun 2024 08:41 am

Tgt Ion: 83 Resp: 658

Ion	Ratio	Lower	Upper
83	100		
85	72.5	43.6	83.6

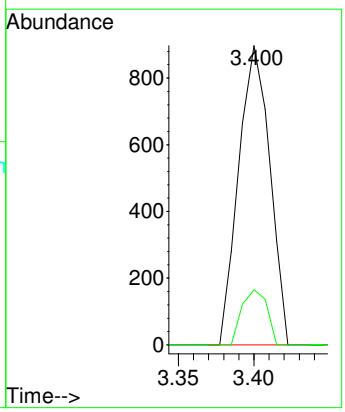


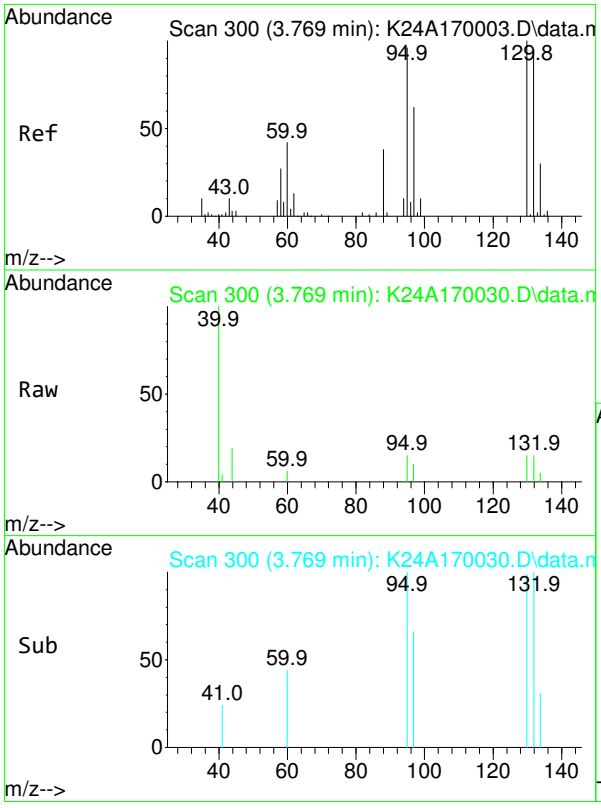


#32
BENZENE
Concen: 0.06 PPBV
RT: 3.400 min Scan# 254
Delta R.T. -0.003 min
Lab File: K24A170030.D
Acq: 19 Jun 2024 08:41 am

Tgt Ion: 78 Resp: 1287

Ion	Ratio	Lower	Upper
78	100		
51	14.8	0.0	39.1

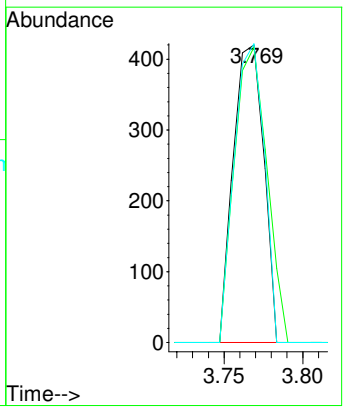


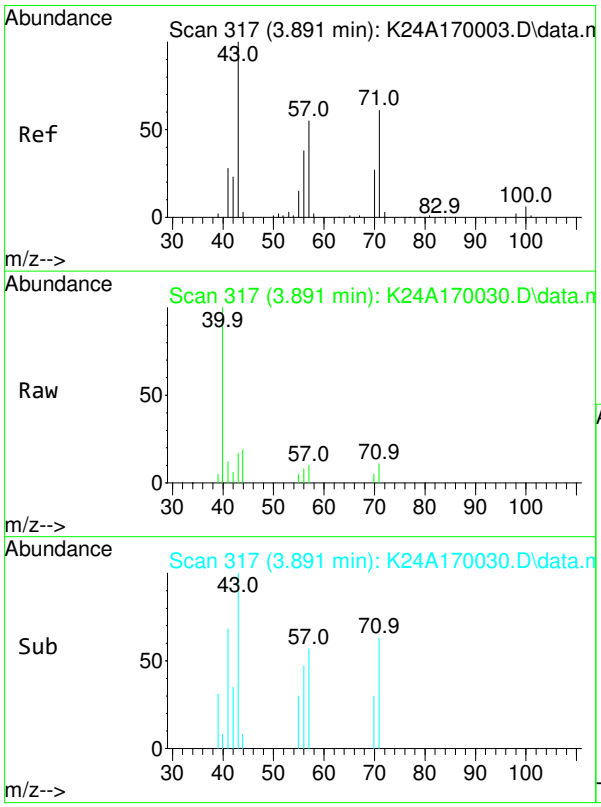


#37
TRICHLOROETHENE
Concen: 0.06 PPBV
RT: 3.769 min Scan# 300
Delta R.T. 0.002 min
Lab File: K24A170030.D
Acq: 19 Jun 2024 08:41 am

Tgt Ion: 95 Resp: 564

Ion	Ratio	Lower	Upper
95	100		
130	106.2	65.4	105.4#
132	98.6	61.7	101.7

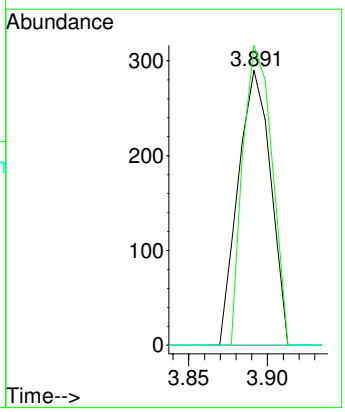


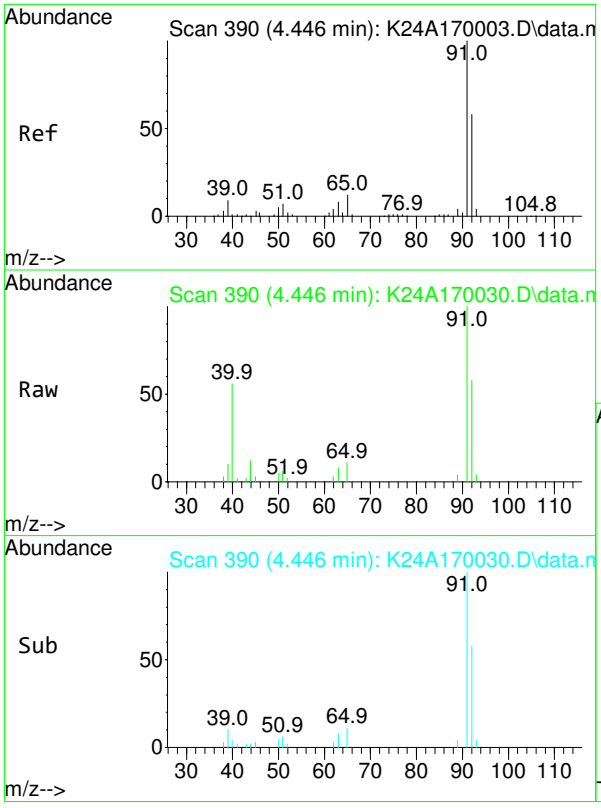


#40
HEPTANE
Concen: 0.06 PPBV
RT: 3.891 min Scan# 317
Delta R.T. -0.004 min
Lab File: K24A170030.D
Acq: 19 Jun 2024 08:41 am

Tgt Ion: 57 Resp: 415

Ion	Ratio	Lower	Upper
57	100		
71	97.6	86.0	126.0
100	0.0	8.8	48.8#

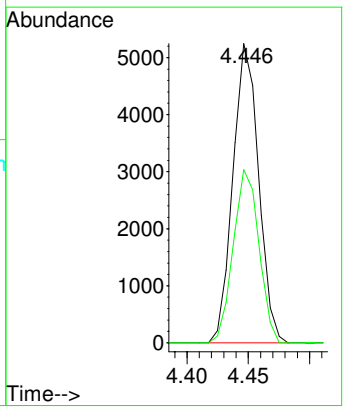


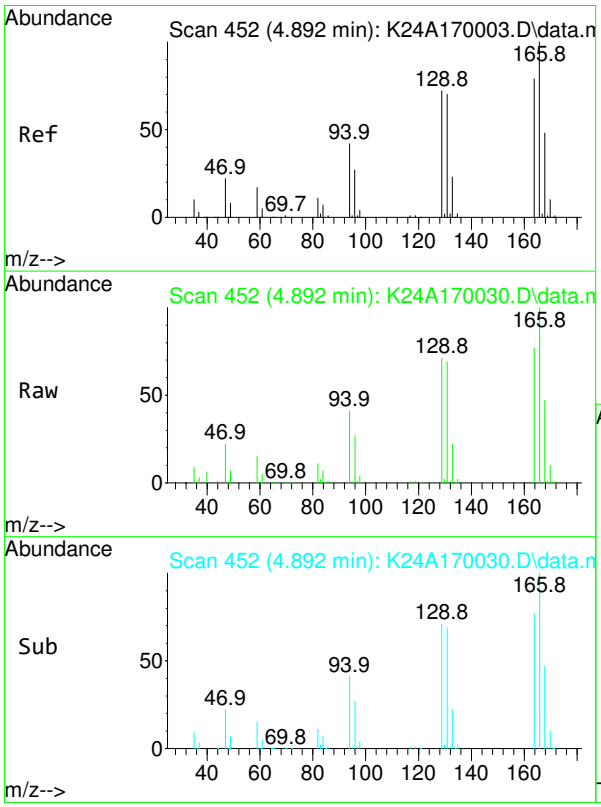


#46
TOLUENE
Concen: 0.31 PPBV
RT: 4.446 min Scan# 390
Delta R.T. -0.005 min
Lab File: K24A170030.D
Acq: 19 Jun 2024 08:41 am

Tgt Ion: 91 Resp: 7648

Ion	Ratio	Lower	Upper
91	100		
92	57.7	39.3	79.3

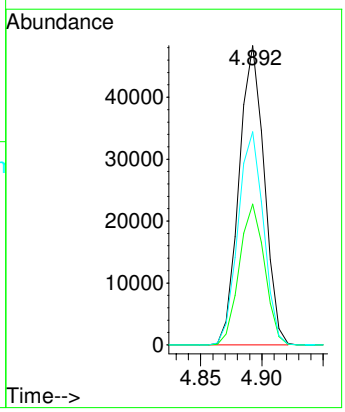


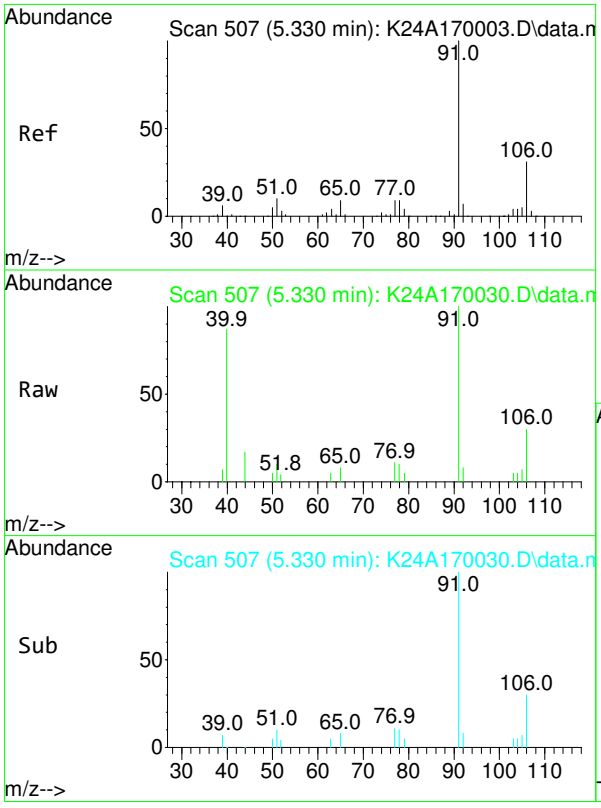


#50
TETRACHLOROETHENE
Concen: 6.71 PPBV
RT: 4.892 min Scan# 452
Delta R.T. 0.001 min
Lab File: K24A170030.D
Acq: 19 Jun 2024 08:41 am

Tgt Ion:166 Resp: 69072

Ion	Ratio	Lower	Upper
166	100		
168	47.1	27.6	67.6
129	71.9	63.9	103.9

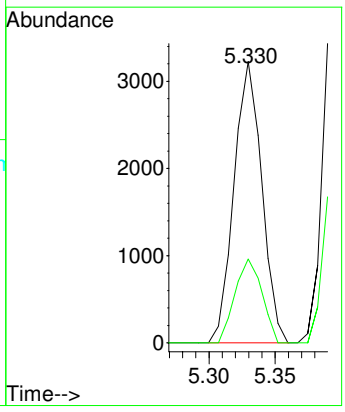


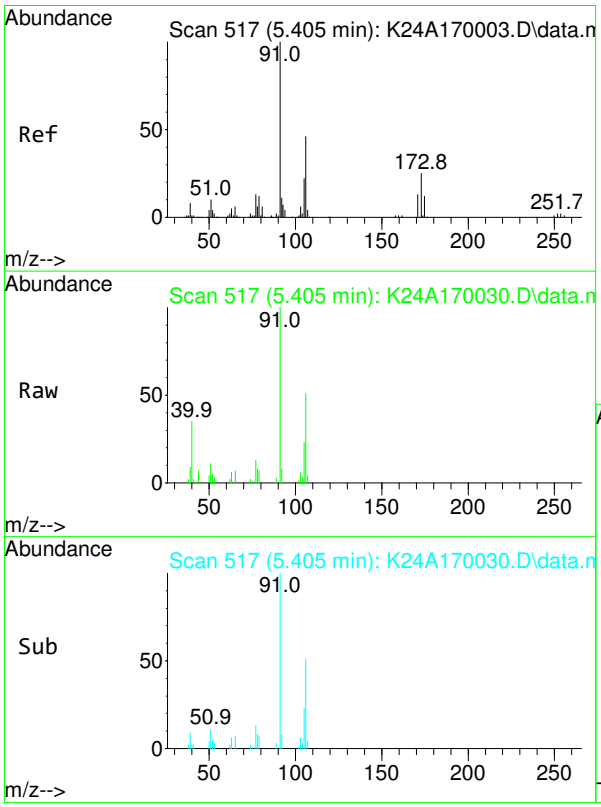


#52
ETHYLBENZENE
Concen: 0.15 PPBV
RT: 5.330 min Scan# 507
Delta R.T. -0.000 min
Lab File: K24A170030.D
Acq: 19 Jun 2024 08:41 am

Tgt Ion: 91 Resp: 4713

Ion	Ratio	Lower	Upper
91	100		
106	28.9	8.7	48.7

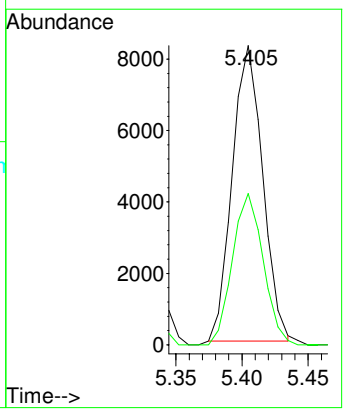


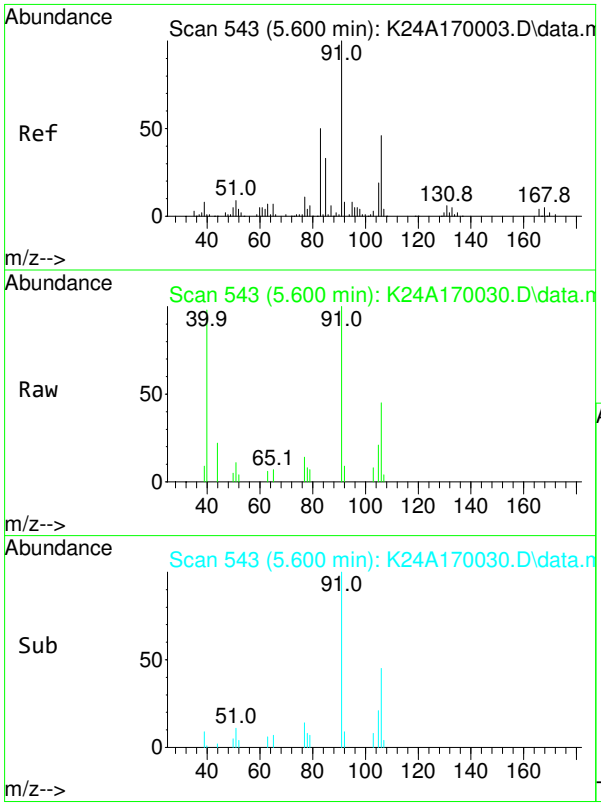


#53
M/P-XYLENE
Concen: 0.52 PPBV
RT: 5.405 min Scan# 517
Delta R.T. -0.004 min
Lab File: K24A170030.D
Acq: 19 Jun 2024 08:41 am

Tgt Ion: 91 Resp: 13235

Ion	Ratio	Lower	Upper
91	100		
106	51.7	24.2	64.2

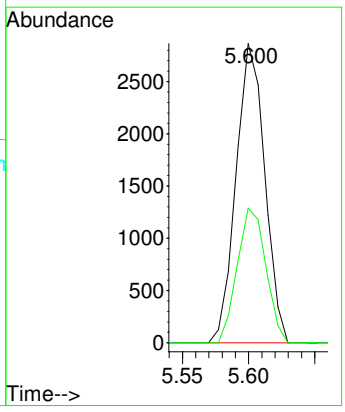


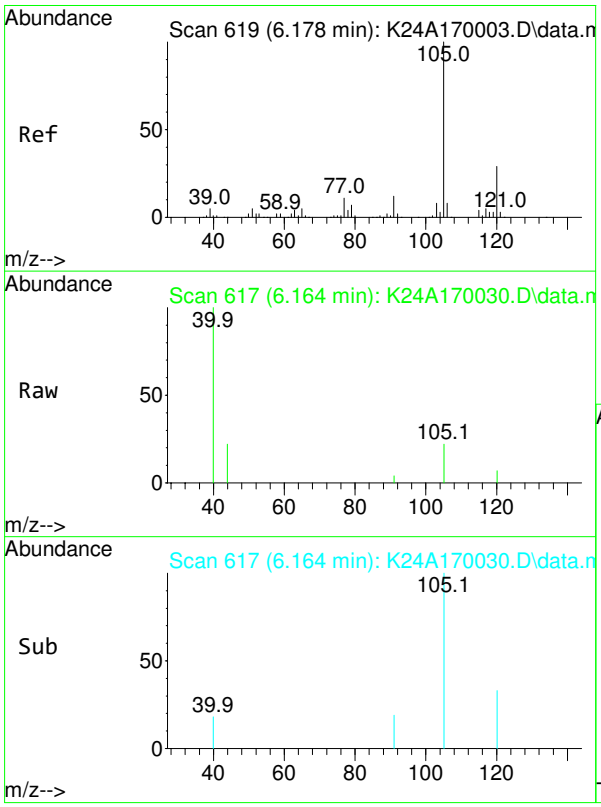


#56
O-XYLENE
Concen: 0.18 PPBV
RT: 5.600 min Scan# 543
Delta R.T. -0.006 min
Lab File: K24A170030.D
Acq: 19 Jun 2024 08:41 am

Tgt Ion: 91 Resp: 4323

Ion	Ratio	Lower	Upper
91	100		
106	44.8	23.5	63.5

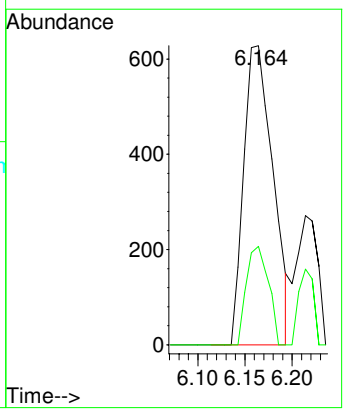


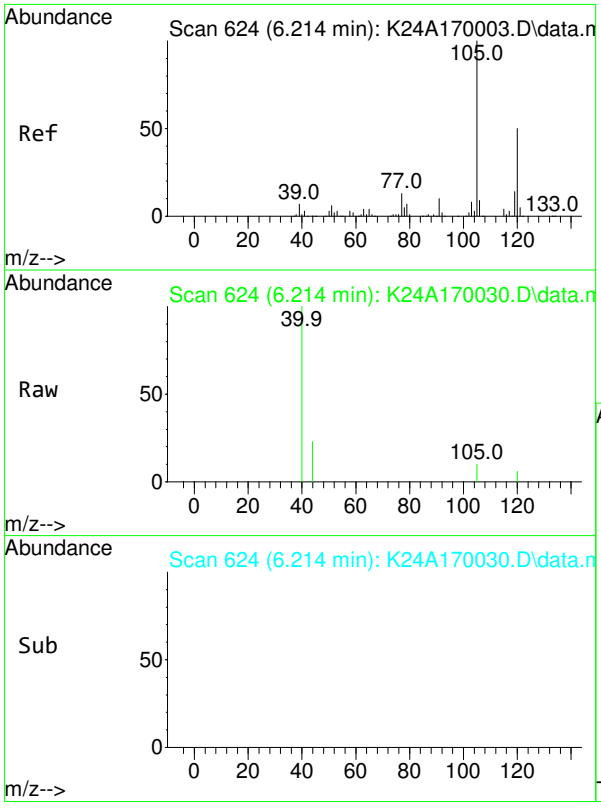


#59
4-ETHYLTOLUENE
Concen: 0.04 PPBV m
RT: 6.164 min Scan# 617
Delta R.T. -0.017 min
Lab File: K24A170030.D
Acq: 19 Jun 2024 08:41 am

Tgt Ion:105 Resp: 1343

Ion	Ratio	Lower	Upper
105	100		
120	24.7	7.3	47.3

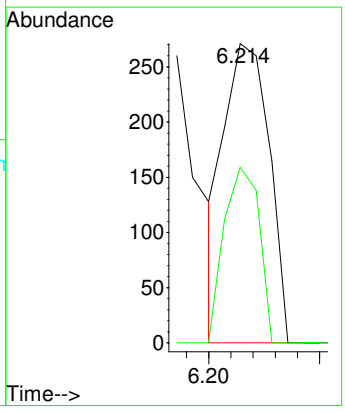


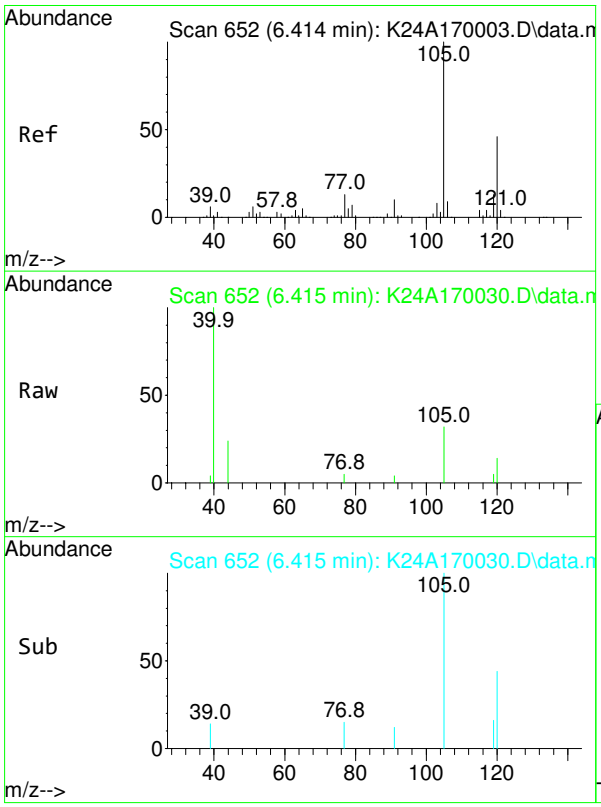


#60
1,3,5-TRIMETHYLBENZENE
Concen: 0.02 PPBV
RT: 6.214 min Scan# 624
Delta R.T. -0.003 min
Lab File: K24A170030.D
Acq: 19 Jun 2024 08:41 am

Tgt Ion:105 Resp: 383

Ion	Ratio	Lower	Upper
105	100		
120	46.0	26.9	66.9

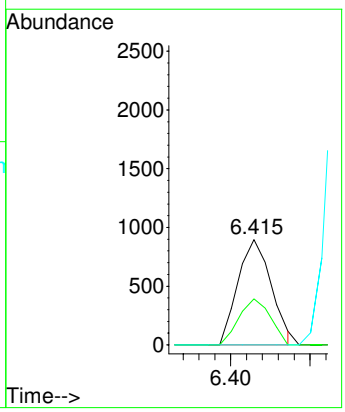


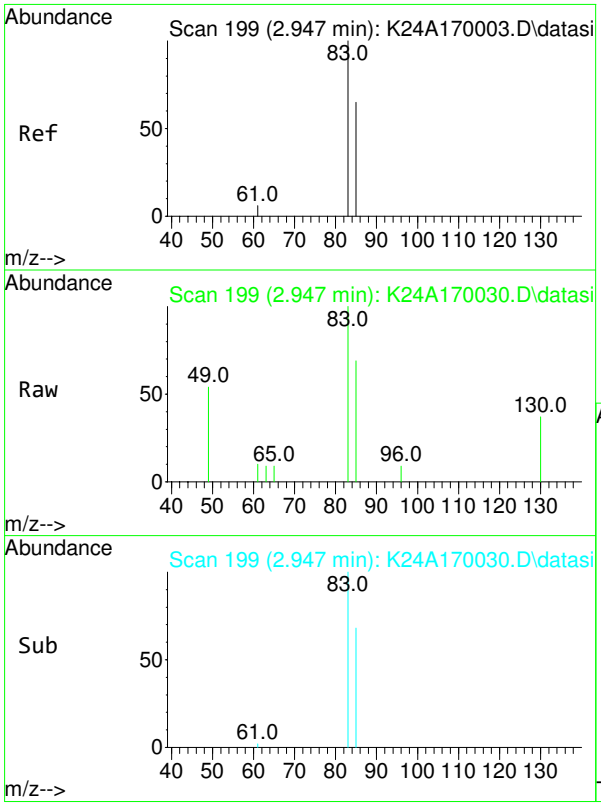


#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.05 PPBV
RT: 6.415 min Scan# 652
Delta R.T. -0.001 min
Lab File: K24A170030.D
Acq: 19 Jun 2024 08:41 am

Tgt Ion:105 Resp: 1313

Ion	Ratio	Lower	Upper
105	100		
120	41.2	23.6	63.6
281	0.0	0.0	20.0

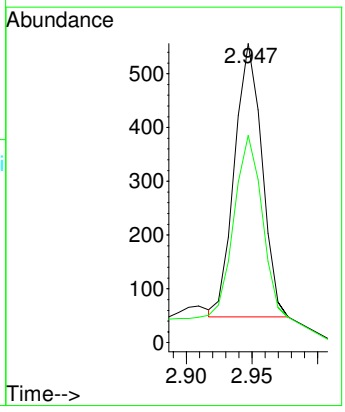


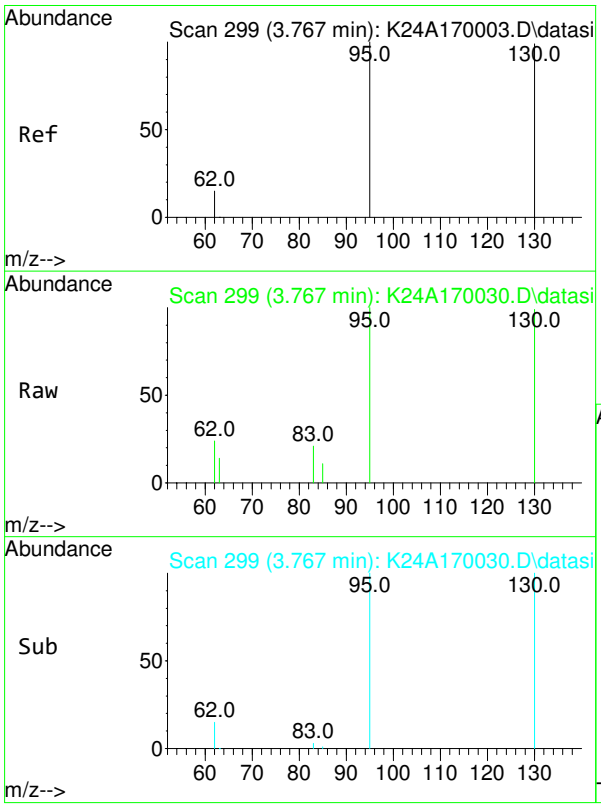


#75
CHLOROFORM (SIM)
Concen: 0.05 PPBV
RT: 2.947 min Scan# 199
Delta R.T. 0.004 min
Lab File: K24A170030.D
Acq: 19 Jun 2024 08:41 am

Tgt Ion: 83 Resp: 738

Ion	Ratio	Lower	Upper
83	100		
85	67.6	43.9	83.9

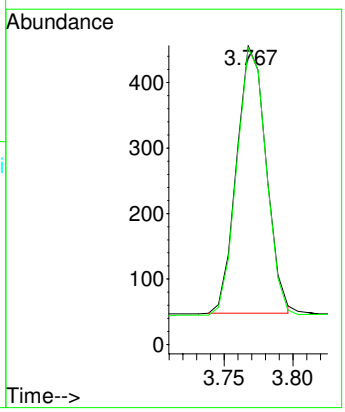


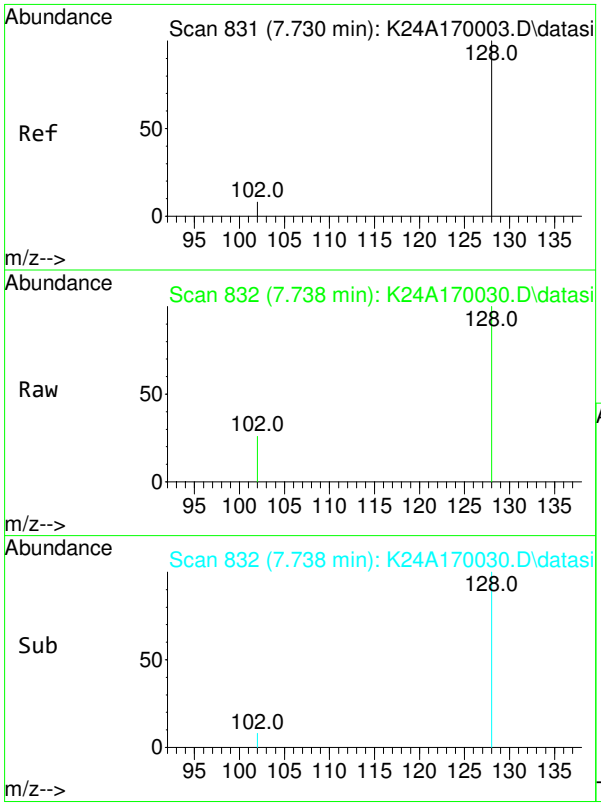


#81
TRICHLOROETHENE (SIM)
Concen: 0.06 PPBV
RT: 3.767 min Scan# 299
Delta R.T. -0.003 min
Lab File: K24A170030.D
Acq: 19 Jun 2024 08:41 am

Tgt Ion: 95 Resp: 608

Ion	Ratio	Lower	Upper
95	100		
130	99.3	66.1	106.1

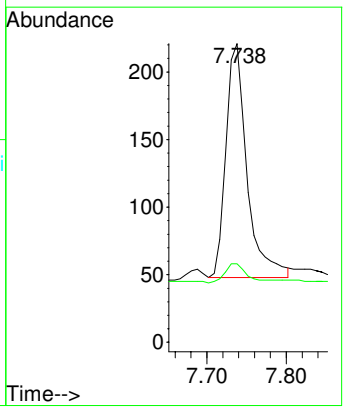




#89
NAPHTHALENE (SIM)
Concen: 0.02 PPBV
RT: 7.738 min Scan# 832
Delta R.T. 0.007 min
Lab File: K24A170030.D
Acq: 19 Jun 2024 08:41 am

Tgt Ion:128 Resp: 319

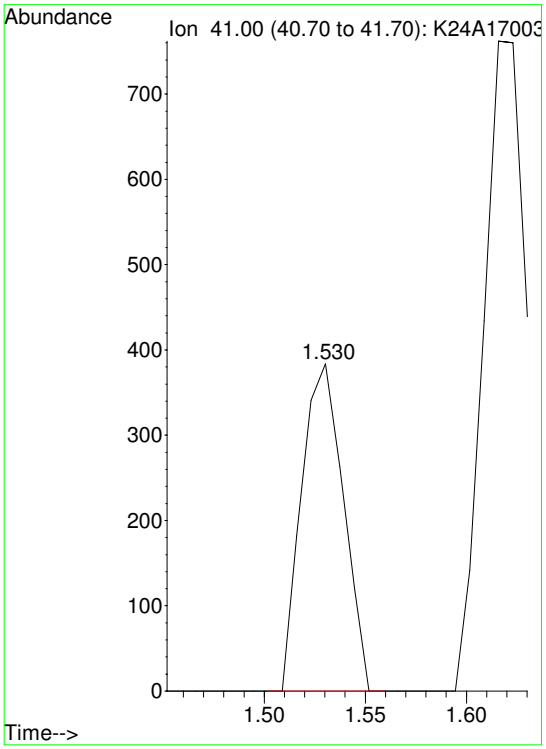
Ion	Ratio	Lower	Upper
128	100		
102	9.1	0.0	29.2



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170030.D
Acq On : 19 Jun 2024 08:41 am
Operator : CMR
Sample : 24F1161-04 10X
Misc : 1.5,1,200,30,10X

Quant Time : Wed Jun 19 11:53:33 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
PROPENE



Original Int. Results

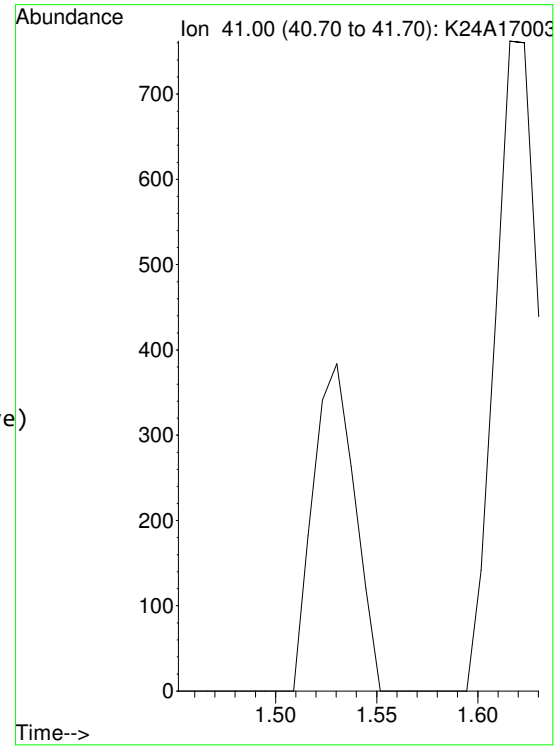
RT : 1.53
Area : 552
Amount: 0.142004

Manual Int. Results

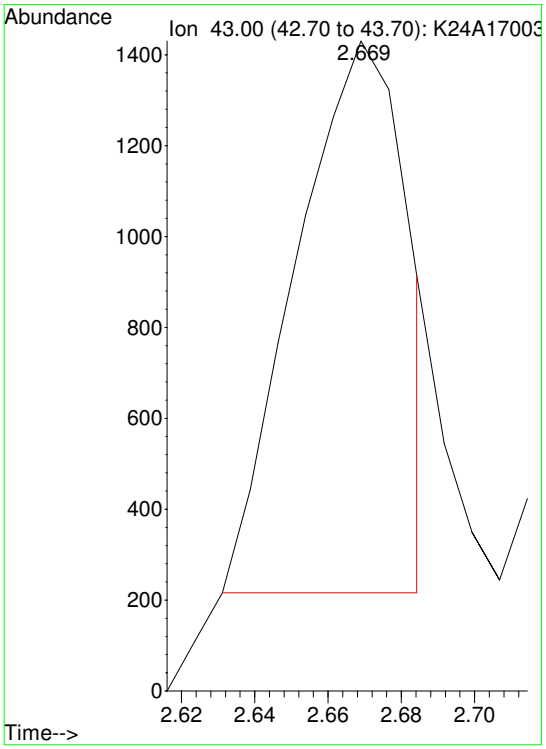
Wed Jun 19 11:52:43 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
VINYL ACETATE



Original Int. Results

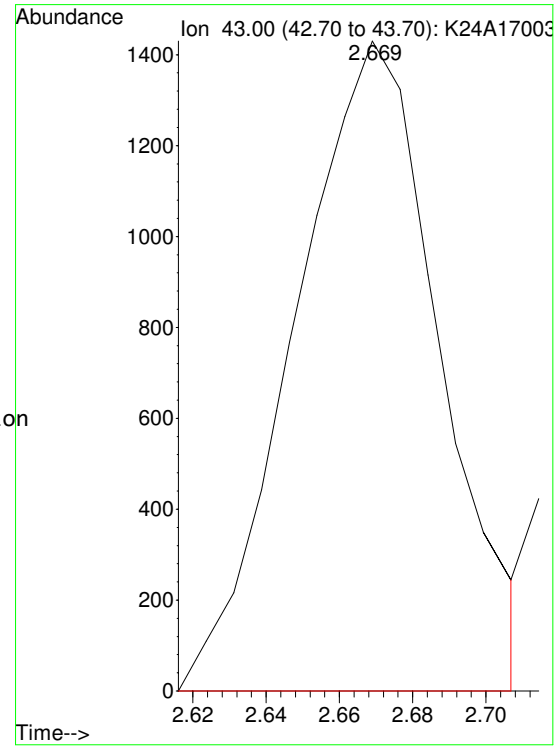
RT : 2.67
Area : 2578
Amount: 0.146627

Manual Int. Results

Wed Jun 19 11:52:56 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 2.67
Area : 3928
Amount: 0.22341

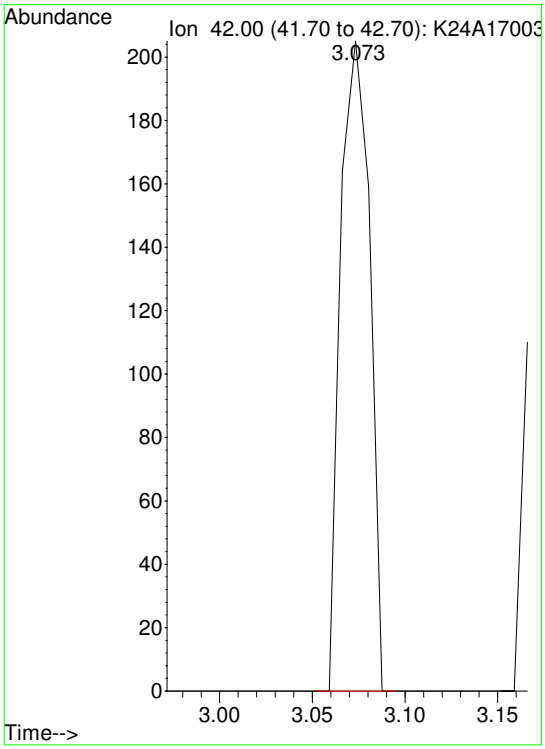
Manual Integration
VINYL ACETATE



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170030.D
Acq On : 19 Jun 2024 08:41 am
Operator : CMR
Sample : 24F1161-04 10X
Misc : 1.5,1,200,30,10X

Quant Time : Wed Jun 19 11:53:33 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
TETRAHYDROFURAN



Original Int. Results

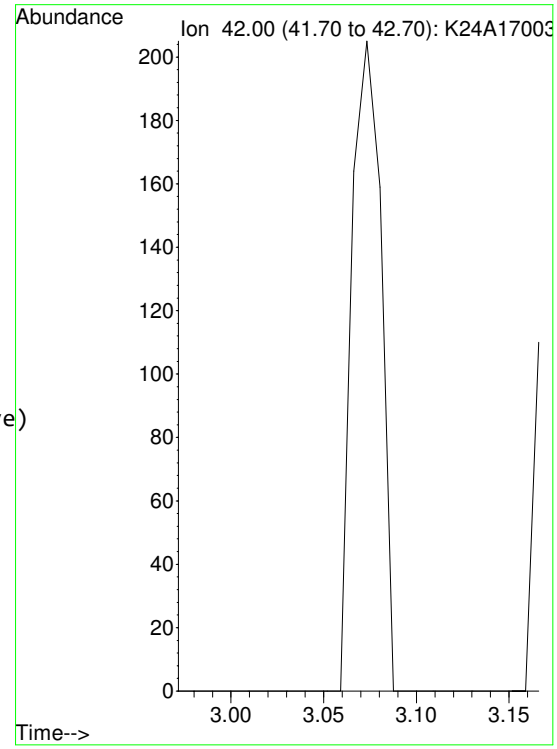
RT : 3.07
Area : 226
Amount: 0.0391997

Manual Int. Results

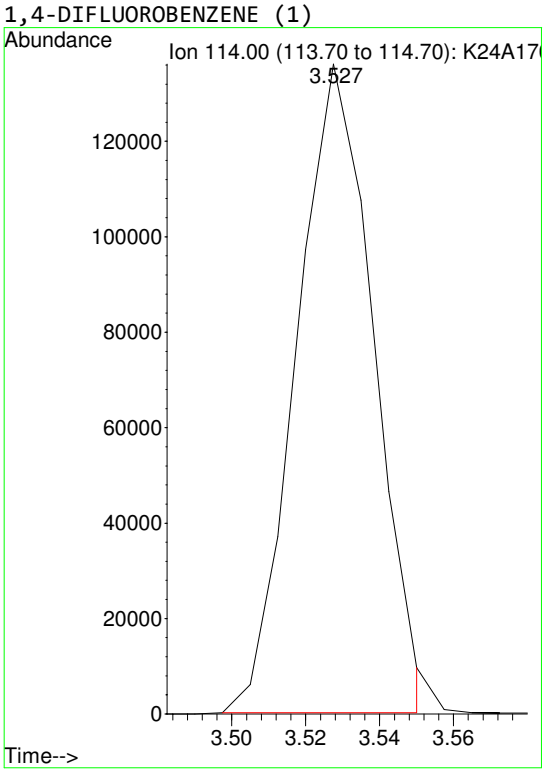
Wed Jun 19 11:53:01 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
TETRAHYDROFURAN



Original Integration
1,4-DIFLUOROBENZENE (1)



Original Int. Results

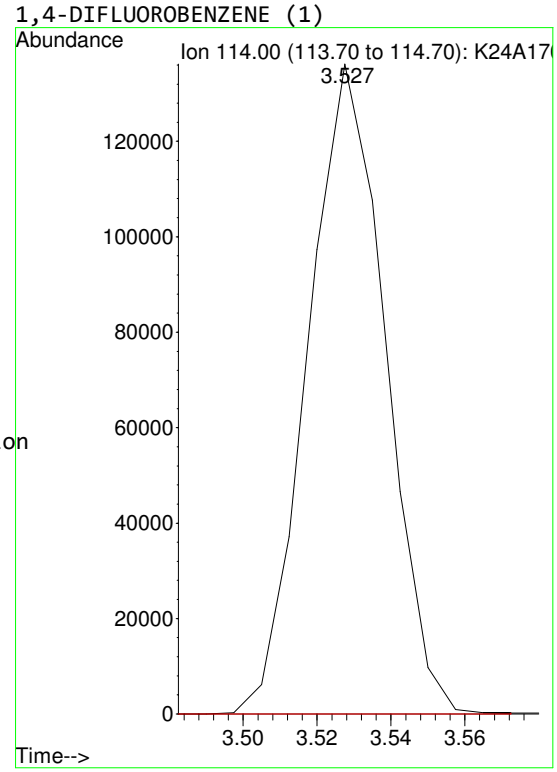
RT : 3.53
Area : 197665
Amount: 8

Manual Int. Results

Wed Jun 19 11:53:07 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 3.53
Area : 199209
Amount: 8

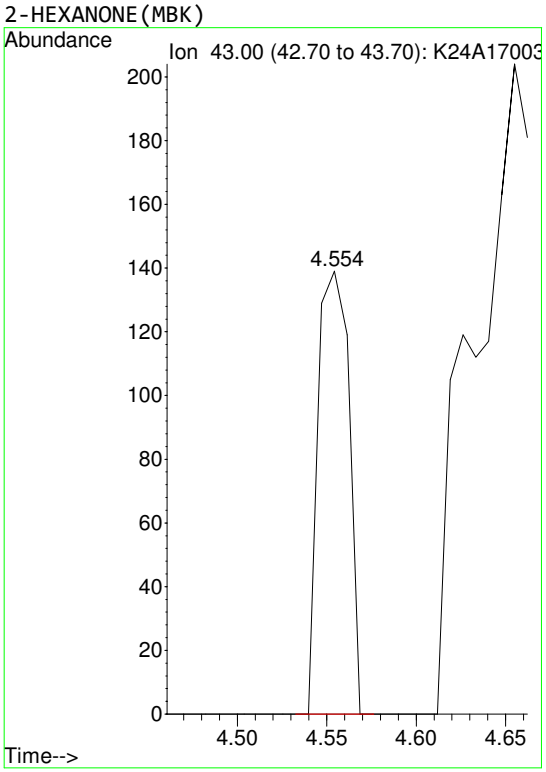
Manual Integration
1,4-DIFLUOROBENZENE (1)



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170030.D
Acq On : 19 Jun 2024 08:41 am
Operator : CMR
Sample : 24F1161-04 10X
Misc : 1.5,1,200,30,10X

Quant Time : Wed Jun 19 11:53:33 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
2-HEXANONE(MBK)



Original Int. Results

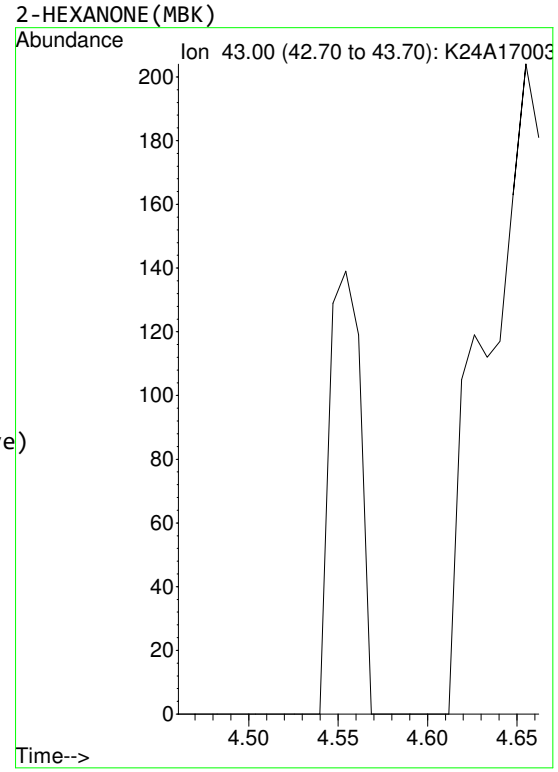
RT : 4.55
Area : 167
Amount: 0.0117152

Manual Int. Results

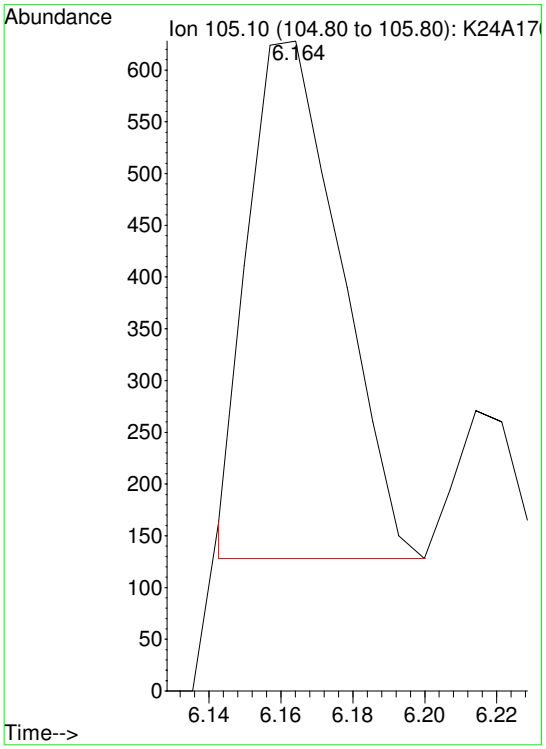
Wed Jun 19 11:53:19 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-HEXANONE(MBK)



Original Integration
4-ETHYLTOLUENE



Original Int. Results

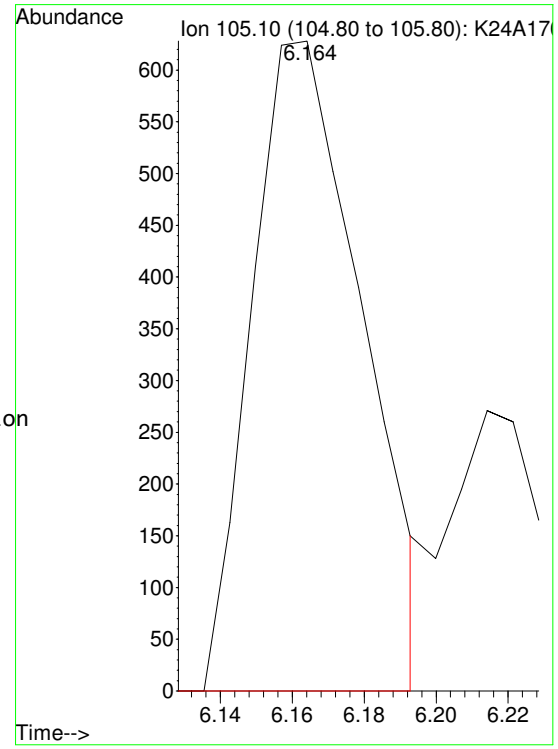
RT : 6.16
Area : 889
Amount: 0.0281801

Manual Int. Results

Wed Jun 19 11:53:27 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 6.16
Area : 1343
Amount: 0.0425712

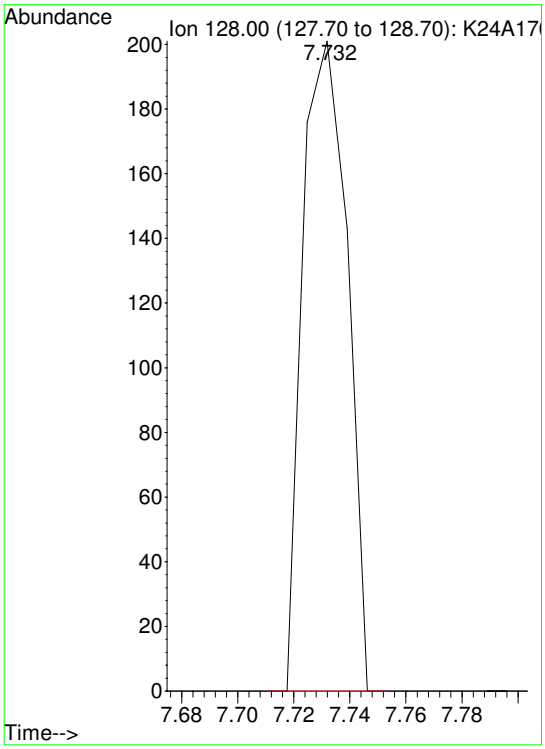
Manual Integration
4-ETHYLTOLUENE



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170030.D
Acq On : 19 Jun 2024 08:41 am
Operator : CMR
Sample : 24F1161-04 10X
Misc : 1.5,1,200,30,10X

Quant Time : Wed Jun 19 11:53:33 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
NAPHTHALENE



Original Int. Results

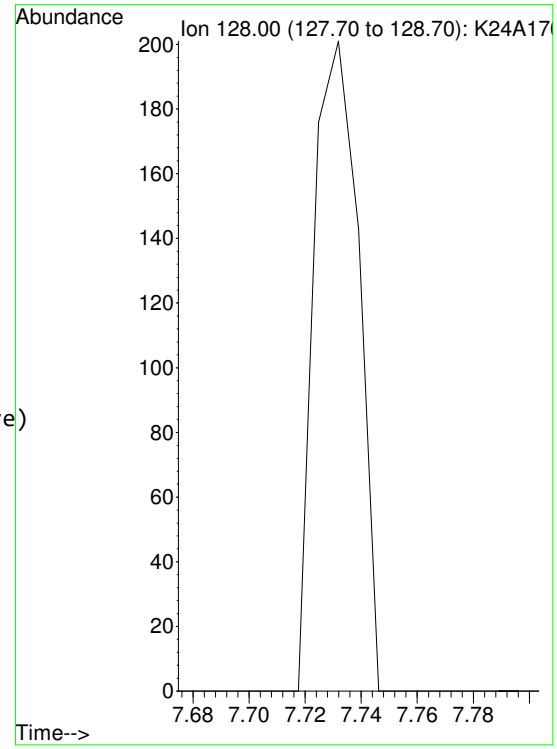
RT : 7.73
Area : 223
Amount: 0.0123706

Manual Int. Results

Wed Jun 19 11:53:33 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
NAPHTHALENE



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170030.D
Acq On : 19 Jun 2024 08:41 am
Operator : CMR
Sample : 24F1161-04 10X Inst : SYSK
Misc : 1.5,1,200,30,10X
ALS Vial : 11 Sample Multiplier: 1
InstName : SYSK

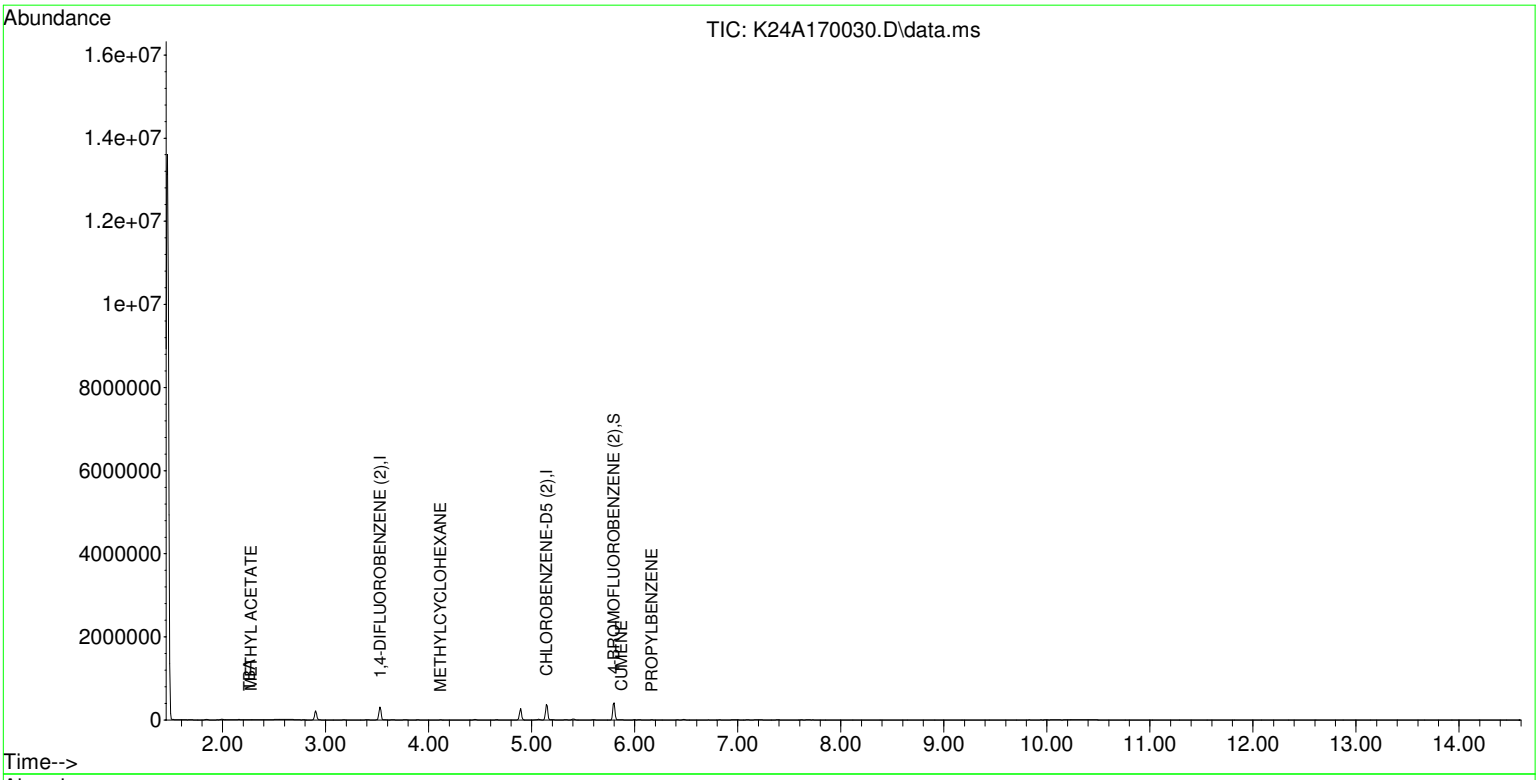
Quant Time: Jun 19 11:56:04 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX051524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed May 15 09:37:36 2024
Response via : Initial Calibration

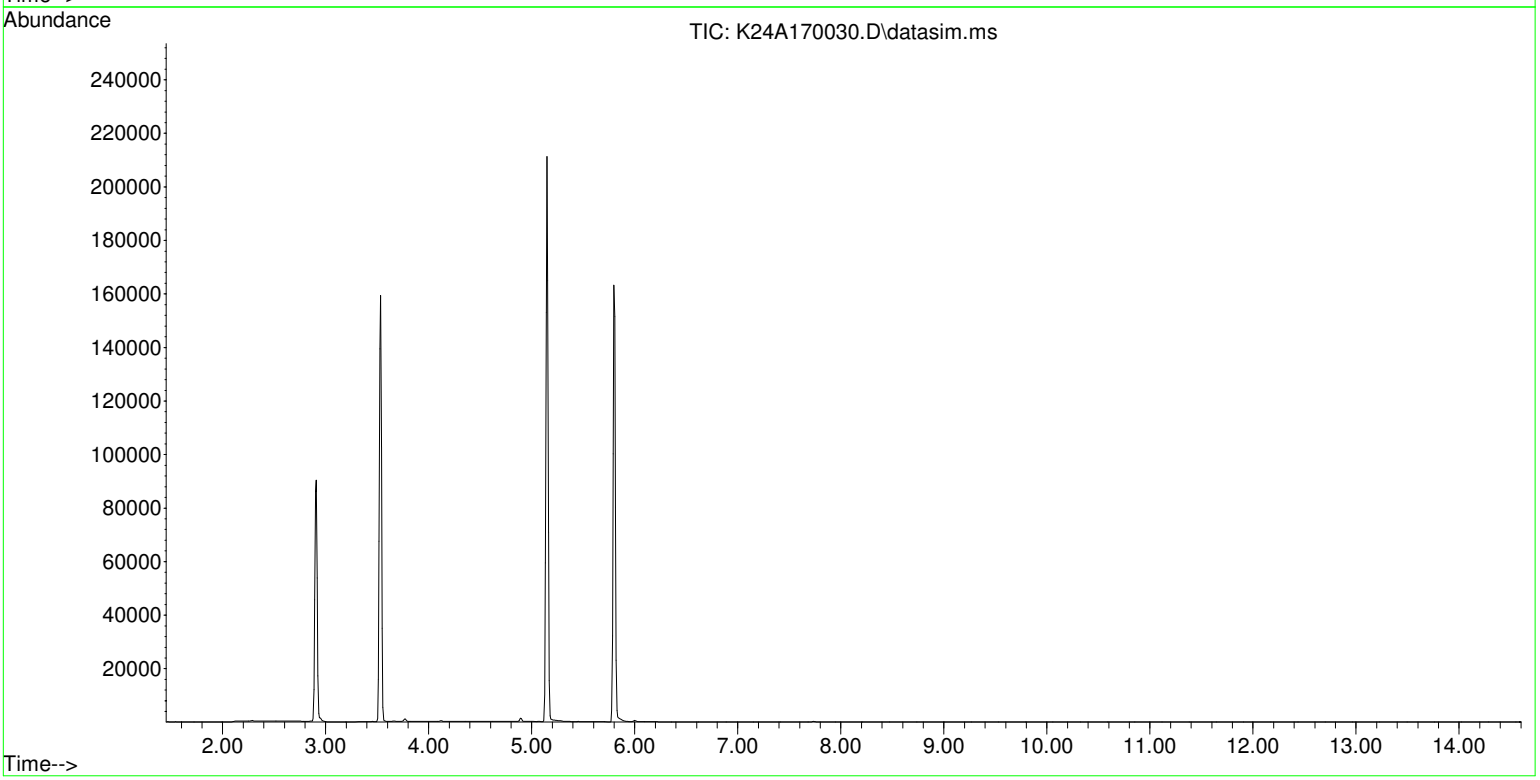
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-DIFLUOROBENZENE (2)	3.527	114	199113	8.000	PPBV	0.00
7) CHLOROBENZENE-D5 (2)	5.142	54	39588	8.000	PPBV	0.00
System Monitoring Compounds						
10) 4-BROMOFLUOROBENZENE (2)	5.799	174	107844	9.989	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 124.88%			
Target Compounds						Qvalue
3) METHYL ACETATE	2.276	43	252	0.014	PPBV #	87
4) TBA	2.260	59	252	0.012	PPBV #	25
6) METHYLCYCLOHEXANE	4.115	83	381	0.021	PPBV	89
11) CUMENE	5.871	105	3293	0.065	PPBV	95
12) PROPYLBENZENE	6.164	120	332	0.030	PPBV #	1

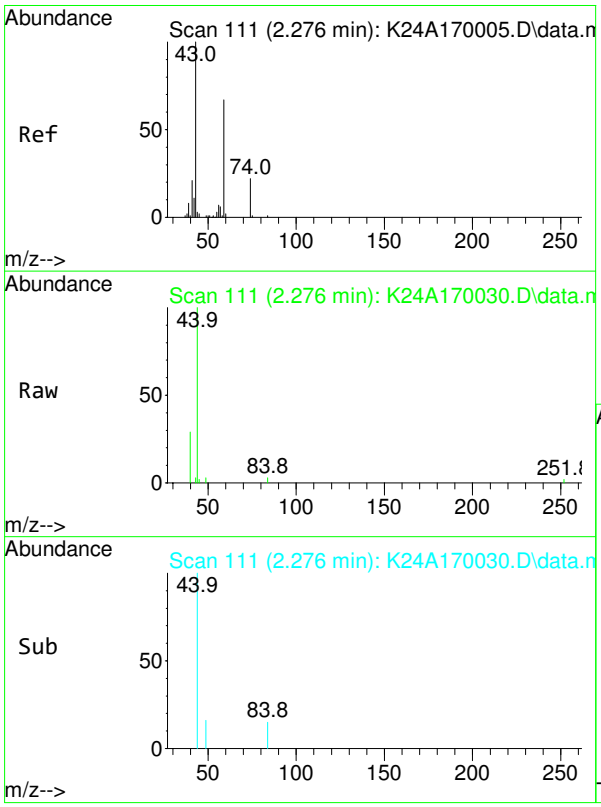
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170030.D
Acq On : 19 Jun 2024 08:41 am
Operator : CMR
Sample : 24F1161-04 10X Inst : SYSK
Misc : 1.5,1,200,30,10X
ALS Vial : 11 Sample Multiplier: 1
InstName : SYSK

Quant Time: Jun 19 11:56:04 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX051524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed May 15 09:37:36 2024
Response via : Initial Calibration



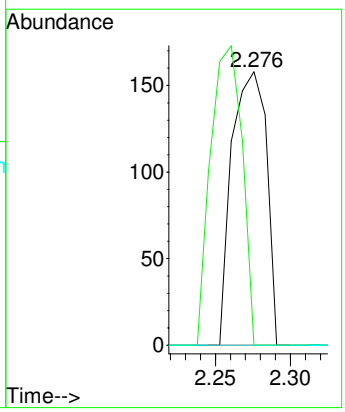


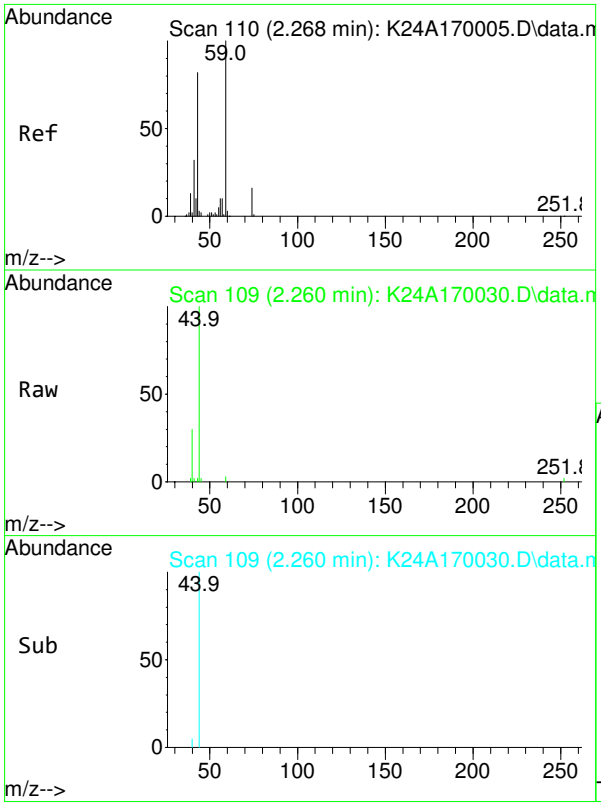


#3
METHYL ACETATE
Concen: 0.01 PPBV
RT: 2.276 min Scan# 111
Delta R.T. 0.007 min
Lab File: K24A170030.D
Acq: 19 Jun 2024 08:41 am

Tgt Ion: 43 Resp: 252

Ion	Ratio	Lower	Upper
43	100		
59	100.0	91.3	131.3
74	0.0	0.0	33.8

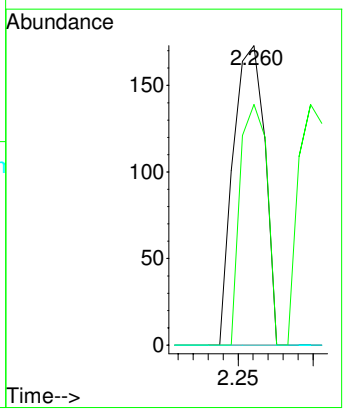


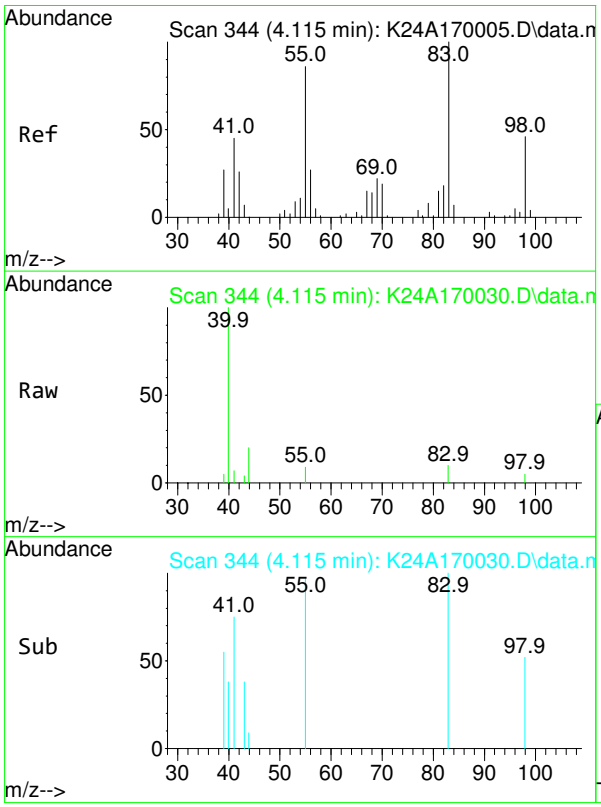


#4
TBA
Concen: 0.01 PPBV
RT: 2.260 min Scan# 109
Delta R.T. -0.000 min
Lab File: K24A170030.D
Acq: 19 Jun 2024 08:41 am

Tgt Ion: 59 Resp: 252

Ion	Ratio	Lower	Upper
59	100		
41	68.7	2.2	42.2#
57	0.0	0.0	30.9

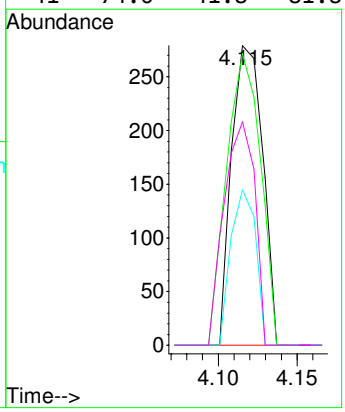


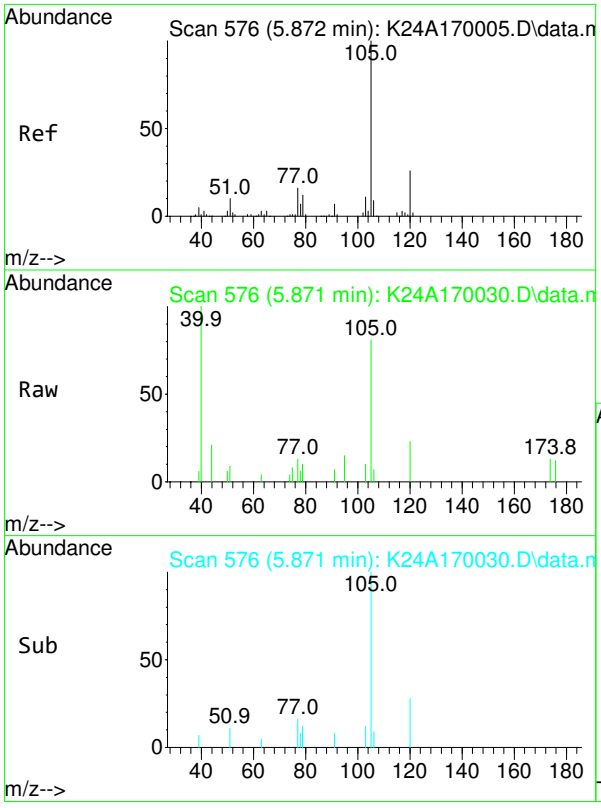


#6
METHYLCYCLOHEXANE
Concen: 0.02 PPBV
RT: 4.115 min Scan# 344
Delta R.T. 0.000 min
Lab File: K24A170030.D
Acq: 19 Jun 2024 08:41 am

Tgt Ion: 83 Resp: 381

Ion	Ratio	Lower	Upper
83	100		
55	106.8	96.7	136.7
98	41.5	27.9	67.9
41	74.0	41.8	81.8

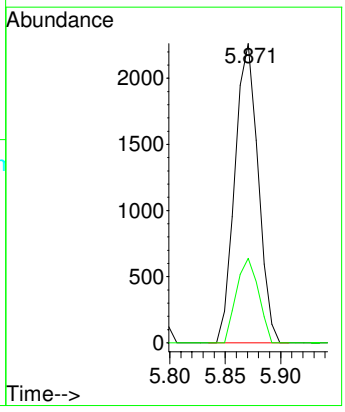


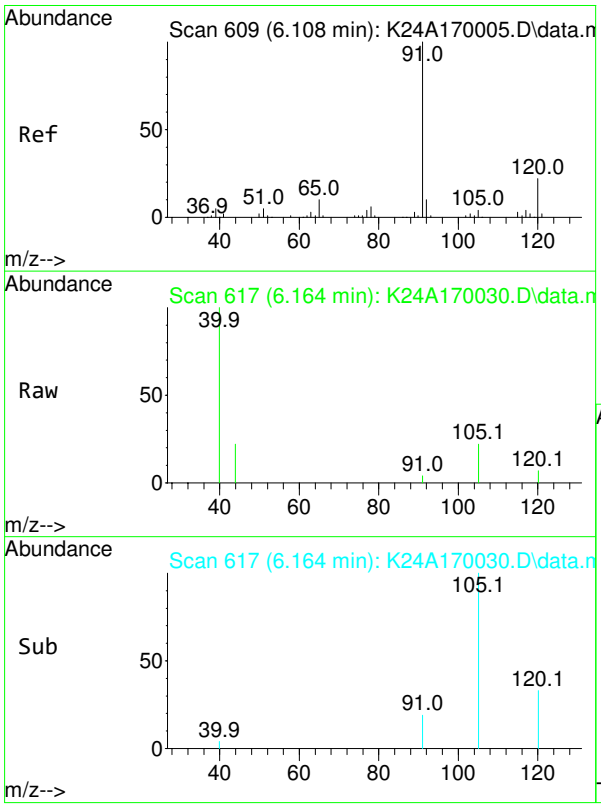


#11
CUMENE
Concen: 0.07 PPBV
RT: 5.871 min Scan# 576
Delta R.T. -0.001 min
Lab File: K24A170030.D
Acq: 19 Jun 2024 08:41 am

Tgt Ion:105 Resp: 3293

Ion	Ratio	Lower	Upper
105	100		
120	26.8	4.3	44.3

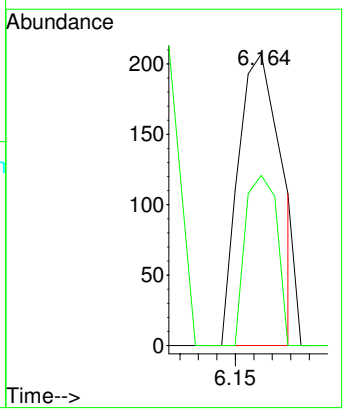




#12
PROPYLBENZENE
Concen: 0.03 PPBV
RT: 6.164 min Scan# 617
Delta R.T. 0.056 min
Lab File: K24A170030.D
Acq: 19 Jun 2024 08:41 am

Tgt Ion:120 Resp: 332

Ion	Ratio	Lower	Upper
120	100		
91	43.4	455.0	495.0#



QC DATA

2 - FORM II

SYSTEM MONITORING COMPOUND SUMMARY

EPA TO-15

Laboratory:	Pace New England	SDG:	24F1161
Client:	NYDEC_GES - Amherst, NY	Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1428
Matrix:	Air	Instrument:	SYSK

	BFB1 (70% - 130%)	BFB2 (70% - 130%)
24F1161-01	106	126
24F1161-02	109	126
24F1161-03	109	126
24F1161-04	110	126
24F1161-04RE1	107	125
B377758-BLK1	107	123
B377758-BS1	112	
B377758-BS2		122
B377758-DUP1	109	125
B377758-DUP2	103	124

DUPLICATES

Exhaust Grab

Laboratory:	Pace New England	Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY	Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1
Matrix:	Air	Laboratory ID:	B377758-DUP1
Batch:	B377758	Initial/Final:	400 mL / 400 mL
Preparation:	TO-15 Prep	Analysis:	EPA TO-15

% Solids:

ANALYTE	SAMPLE CONCENTRATION (ppbv)	DUPLICATE CONCENTRATION (ppbv)	RPD %	Q	CONTROL LIMIT
Benzene	0.65	0.66	1.81		25
Benzyl chloride	ND	ND			25
Bromodichloromethane	ND	ND			25
Bromoform	ND	ND			25
Bromomethane	ND	ND			25
2-Butanone (MEK)	1.9	1.9	0.882		25
tert-Butyl Alcohol (TBA)	0.096	0.10 J	6.99		25
Carbon Tetrachloride	0.066	0.065 L-03	1.07		25
Chlorobenzene	ND	ND			25
Chloroethane	ND	ND			25
Chloroform	0.48	0.49	2.03		25
Chloromethane	0.32	0.32	0.434		25
Cyclohexane	0.51	0.53	4.83		25
Dibromochloromethane	ND	ND			25
1,2-Dibromoethane (EDB)	ND	ND			25
1,2-Dichlorobenzene	ND	ND			25
1,3-Dichlorobenzene	ND	ND			25
1,4-Dichlorobenzene	0.057	0.053	7.59		25
Dichlorodifluoromethane (Freon 12)	0.40	0.41	3.79		25
1,1-Dichloroethane	ND	ND L-03, V-05			25
1,2-Dichloroethane	ND	ND			25
1,1-Dichloroethylene	ND	ND			25
cis-1,2-Dichloroethylene	ND	ND			25
trans-1,2-Dichloroethylene	ND	ND L-03, V-05			25
1,2-Dichloropropane	ND	ND			25
cis-1,3-Dichloropropene	ND	ND			25
trans-1,3-Dichloropropene	ND	ND			25
1,2-Dichloro-1,1,2,2-tetrafluoroethane (F	ND	ND			25
1,4-Dioxane	ND	ND			25

DUPLICATES

Exhaust Grab

Laboratory:	Pace New England	Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY	Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1
Matrix:	Air	Laboratory ID:	B377758-DUP1
Batch:	B377758	Initial/Final:	400 mL / 400 mL
Preparation:	TO-15 Prep	Analysis:	EPA TO-15

% Solids:

ANALYTE	SAMPLE CONCENTRATION (ppbv)	DUPLICATE CONCENTRATION (ppbv)	RPD %	Q	CONTROL LIMIT
Ethylbenzene	1.7	1.7	2.46		25
Heptane	0.52	0.52	0.134		25
Hexachlorobutadiene	ND	ND			25
Hexane	1.3	1.3 J	0.586		25
Methyl tert-Butyl Ether (MTBE)	ND	ND			25
Methylene Chloride	ND	ND			25
4-Methyl-2-pentanone (MIBK)	ND	ND			25
Naphthalene	0.22	0.22 V-35	2.20		25
Styrene	0.050	0.054	9.40		25
1,1,2,2-Tetrachloroethane	ND	ND			25
Toluene	3.3	3.4	3.24		25
1,2,4-Trichlorobenzene	ND	ND			25
1,1,1-Trichloroethane	ND	ND			25
1,1,2-Trichloroethane	ND	ND			25
Trichloroethylene	0.51	0.51	1.78		25
Trichlorofluoromethane (Freon 11)	0.20	0.20	2.43		25
1,1,2-Trichloro-1,2,2-trifluoroethane (Fre	0.061	0.059 J	3.51		25
1,2,4-Trimethylbenzene	0.70	0.73	4.11		25
1,3,5-Trimethylbenzene	0.17	0.19	11.1		25
2,2,4-Trimethylpentane	0.092	0.094	2.25		25
Vinyl Chloride	ND	ND			25
m&p-Xylene	6.8	6.9	1.36		25
o-Xylene	2.2	2.3	3.96		25

DUPLICATES

Exhaust Grab

Laboratory:	Pace New England	Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY	Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1
Matrix:	Air	Laboratory ID:	B377758-DUP2
Batch:	B377758	Initial/Final:	400 mL / 400 mL
Preparation:	TO-15 Prep	Analysis:	EPA TO-15

% Solids:

ANALYTE	SAMPLE CONCENTRATION (ppbv)	DUPLICATE CONCENTRATION (ppbv)	RPD %	Q	CONTROL LIMIT
Ethanol	80	81	0.509		25
Tetrachloroethylene	67	66	2.14		25

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY	Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1
Matrix:	Air	Preparation:	TO-15 Prep
Batch:	B377758	Laboratory ID:	B377758-BS1
Column:		Initial/Final:	400 mL / 400 mL

ANALYTE	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC.		QC LIMITS REC.
Benzene	5.00	4.01	80.2		70 - 130
Benzyl chloride	5.00	4.40	87.9		70 - 130
Bromodichloromethane	5.00	3.67	73.4		70 - 130
Bromoform	5.00	5.31	106		70 - 130
Bromomethane	5.00	4.83	96.6		70 - 130
2-Butanone (MEK)	5.00	3.59	71.8		70 - 130
Carbon Tetrachloride	5.00	3.30	66.1	*	70 - 130
Chlorobenzene	5.00	4.16	83.1		70 - 130
Chloroethane	5.00	4.25	85.0		70 - 130
Chloroform	5.00	4.40	88.1		70 - 130
Chloromethane	5.00	3.55	71.0		70 - 130
Cyclohexane	5.00	3.81	76.2		70 - 130
Dibromochloromethane	5.00	4.79	95.8		70 - 130
1,2-Dibromoethane (EDB)	5.00	4.37	87.5		70 - 130
1,2-Dichlorobenzene	5.00	5.58	112		70 - 130
1,3-Dichlorobenzene	5.00	5.75	115		70 - 130
1,4-Dichlorobenzene	5.00	5.56	111		70 - 130
Dichlorodifluoromethane (Freon 12)	5.00	4.40	88.0		70 - 130
1,1-Dichloroethane	5.00	3.30	66.1	*	70 - 130
1,2-Dichloroethane	5.00	3.90	78.0		70 - 130
1,1-Dichloroethylene	5.00	3.92	78.5		70 - 130
cis-1,2-Dichloroethylene	5.00	4.12	82.4		70 - 130
trans-1,2-Dichloroethylene	5.00	3.24	64.8	*	70 - 130
1,2-Dichloropropane	5.00	3.55	71.0		70 - 130
cis-1,3-Dichloropropene	5.00	3.69	73.9		70 - 130
trans-1,3-Dichloropropene	5.00	4.34	86.9		70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	5.00	4.30	86.0		70 - 130
1,4-Dioxane	5.00	5.31	106		70 - 130
Ethanol	5.00	5.85	117		70 - 130
Ethylbenzene	5.00	3.99	79.7		70 - 130
Heptane	5.00	3.51	70.3		70 - 130
Hexachlorobutadiene	5.00	5.77	115		70 - 130
Hexane	5.00	4.11	82.2		70 - 130
Methyl tert-Butyl Ether (MTBE)	5.00	3.74	74.7		70 - 130
Methylene Chloride	5.00	4.18	83.6		70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY	Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1
Matrix:	Air	Preparation:	TO-15 Prep
Batch:	B377758	Laboratory ID:	B377758-BS1
Column:		Initial/Final:	400 mL / 400 mL

ANALYTE	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC.	QC LIMITS REC.
4-Methyl-2-pentanone (MIBK)	5.00	3.90	78.0	70 - 130
Naphthalene	5.00	4.99	99.7	70 - 130
Styrene	5.00	4.58	91.5	70 - 130
1,1,2,2-Tetrachloroethane	5.00	4.29	85.8	70 - 130
Tetrachloroethylene	5.00	5.05	101	70 - 130
Toluene	5.00	4.05	81.0	70 - 130
1,2,4-Trichlorobenzene	5.00	5.60	112	70 - 130
1,1,1-Trichloroethane	5.00	3.66	73.2	70 - 130
1,1,2-Trichloroethane	5.00	4.37	87.4	70 - 130
Trichloroethylene	5.00	3.88	77.6	70 - 130
Trichlorofluoromethane (Freon 11)	5.00	4.62	92.4	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.00	4.77	95.3	70 - 130
1,2,4-Trimethylbenzene	5.00	4.24	84.9	70 - 130
1,3,5-Trimethylbenzene	5.00	4.78	95.6	70 - 130
Vinyl Chloride	5.00	3.95	79.1	70 - 130
m&p-Xylene	10.0	8.43	84.3	70 - 130
o-Xylene	5.00	4.33	86.5	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY	Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1
Matrix:	Air	Preparation:	TO-15 Prep
Batch:	B377758	Laboratory ID:	B377758-BS2
Column:		Initial/Final:	400 mL / 400 mL

ANALYTE	SPIKE ADDED (ppbv)	LCS CONCENTRATION (ppbv)	LCS % REC.	QC LIMITS REC.
tert-Butyl Alcohol (TBA)	2.06	2.00	97.0	70 - 130
2,2,4-Trimethylpentane	1.34	1.16	86.2	70 - 130

4 - FORM IV
METHOD BLANK SUMMARY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY	Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 14
Blank ID:	B377758-BLK1	Batch:	B377758
Prepared:	06/18/2024 00:00		

Client Sample ID	Laboratory Sample ID	Lab File ID	Time Analyzed
LCS	B377758-BS1	K24A170004.D	11:34
LCS	B377758-BS2	K24A170006.D	12:33
Indoor	24F1161-01	K24A170010.D	14:50
DUP	24F1161-02	K24A170011.D	15:27
Outdoor	24F1161-03	K24A170012.D	16:04
Exhaust Grab	24F1161-04	K24A170013.D	16:42
Duplicate	B377758-DUP1	K24A170014.D	17:18
Exhaust Grab	24F1161-04RE1	K24A170030.D	08:41
Duplicate	B377758-DUP2	K24A170031.D	09:20

5 - FORM V
INSTRUMENT PERFORMANCE CHECK

EPA TO-15

Laboratory:	Pace New England	Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY	Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1
Lab File ID:	K24A106003.D	Injection Date:	04/15/24
Instrument ID:	SYSK	Injection Time:	11:56
Sequence:	S105283	Lab Sample ID:	S105283-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
50	8 - 40% of 95	23.3	PASS
75	30 - 66% of 95	53.2	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.9	PASS
173	Less than 2% of 174	0	PASS
174	50 - 120% of 95	70.1	PASS
175	4 - 9% of 174	7.45	PASS
176	93 - 101% of 174	97.1	PASS
177	5 - 9% of 176	6.21	PASS

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
0.025	S105283-CAL1	K24A106006.D	04/15/2024	13:22:00
0.05	S105283-CAL2	K24A106007.D	04/15/2024	13:51:00
0.10	S105283-CAL3	K24A106008.D	04/15/2024	14:20:00
0.20	S105283-CAL4	K24A136003.D	04/15/2024	14:47:00
0.20	S105283-CAL4	K24A106009.D	04/15/2024	14:47:00
0.25	S105283-CAL5	K24A106010.D	04/15/2024	15:15:00
0.50	S105283-CAL6	K24A106011.D	04/15/2024	15:44:00
0.50	S105283-CAL6	K24A136004.D	04/15/2024	15:44:00
1.0	S105283-CAL7	K24A106012.D	04/15/2024	16:15:00
1.0	S105283-CAL7	K24A136005.D	04/15/2024	16:15:00
2.0	S105283-CAL8	K24A106013.D	04/15/2024	16:43:00
2.0	S105283-CAL8	K24A136006.D	04/15/2024	16:43:00
5.0	S105283-CAL9	K24A136007.D	04/15/2024	17:11:00
5.0	S105283-CAL9	K24A106014.D	04/15/2024	17:11:00
10	S105283-CALA	K24A106015.D	04/15/2024	17:41:00
10	S105283-CALA	K24A136008.D	04/15/2024	17:41:00
20	S105283-CALB	K24A136009.D	04/15/2024	18:12:00
20	S105283-CALB	K24A106016.D	04/15/2024	18:12:00
50	S105283-CALC	K24A106017.D	04/15/2024	18:49:00
5.0 ICV	S105283-ICV1	K24A106019.D	04/15/2024	19:46:00
5.0 ICV	S105283-ICV1	K24A136012.D	04/15/2024	19:46:00

5 - FORM V
INSTRUMENT PERFORMANCE CHECK

EPA TO-15

Laboratory:	Pace New England	Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY	Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1
Lab File ID:	K24A170002.D	Injection Date:	06/18/24
Instrument ID:	SYSK	Injection Time:	10:35
Sequence:	S106148	Lab Sample ID:	S106148-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
50	8 - 40% of 95	17.7	PASS
75	30 - 66% of 95	48.9	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.28	PASS
173	Less than 2% of 174	0	PASS
174	50 - 120% of 95	88.5	PASS
175	4 - 9% of 174	6.99	PASS
176	93 - 101% of 174	96	PASS
177	5 - 9% of 176	6.57	PASS

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
Calibration Check	S106148-CCV1	K24A170003.D	06/18/2024	11:05:00
LCS	B377758-BS1	K24A170004.D	06/18/2024	11:34:00
Calibration Check	S106148-CCV2	K24A170005.D	06/18/2024	12:04:00
LCS	B377758-BS2	K24A170006.D	06/18/2024	12:33:00
Blank	B377758-BLK1	K24A170009.D	06/18/2024	14:13:00
Indoor	24F1161-01	K24A170010.D	06/18/2024	14:50:00
DUP	24F1161-02	K24A170011.D	06/18/2024	15:27:00
Outdoor	24F1161-03	K24A170012.D	06/18/2024	16:04:00
Exhaust Grab	24F1161-04	K24A170013.D	06/18/2024	16:42:00
Duplicate	B377758-DUP1	K24A170014.D	06/18/2024	17:18:00
Exhaust Grab	24F1161-04RE1	K24A170030.D	06/19/2024	8:41:00
Duplicate	B377758-DUP2	K24A170031.D	06/19/2024	9:20:00

CALIBRATION DATA

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

EPA TO-15

Client: NYDEC GES - Amherst, NY SDG: 24F1161

Project: DW Carriage Cleaners, 2101 Monroe Ave - CO 142824

Calibration: 2400609 Instrument: SYSK

Calibration Date: 4/15/2024 12:00:34AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Benzene			0.05	1.276809	0.1	0.7672894	0.2	0.7580968	0.25	0.7884367	0.5	0.7946877
Benzyl chloride			0.05	0.5906757	0.1	0.3829979	0.2	0.4631688	0.25	0.4534596	0.5	0.4604273
Bromodichloromethane	0.025	1.02452	0.05	0.9938165	0.1	0.5832616	0.2	0.5991723	0.25	0.6066366	0.5	0.5883738
Bromoform			0.05	0.5809259	0.1	0.3736874	0.2	0.4003626	0.25	0.4271544	0.5	0.4066718
Bromomethane			0.05	1.046648	0.1	0.5619265	0.2	0.5561181	0.25	0.5986045	0.5	0.5762567
2-Butanone (MEK)					0.1	1.934192	0.2	1.619144	0.25	1.625695	0.5	1.445626
tert-Butyl Alcohol (TBA)					0.103		0.206	0.839627	0.206		0.412	0.8653809
Carbon Tetrachloride			0.05	0.704139	0.1	0.5201447	0.2	0.5136873	0.25	0.5663956	0.5	0.5212182
Chlorobenzene	0.025	1.358727	0.05	1.342223	0.1	0.6733145	0.2	0.8156174	0.25	0.7670314	0.5	0.762791
Chloroethane			0.05	0.6169537	0.1	0.3649096	0.2	0.4232942	0.25	0.432739	0.5	0.3852788
Chloroform	0.025	2.137964	0.05	1.947835	0.1	1.343141	0.2	1.3744	0.25	1.31771	0.5	1.308689
Chloromethane			0.05	1.417823	0.1	0.872014	0.2	0.6645546	0.25	0.76447	0.5	0.7145933
Cyclohexane			0.05	0.5927246	0.1	0.4460012	0.2	0.3050261	0.25	0.2856632	0.5	0.2825383
Dibromochloromethane	0.025	0.7583211	0.05	0.7588599	0.1	0.5421218	0.2	0.5352556	0.25	0.5273232	0.5	0.5217137
1,2-Dibromoethane (EDB)	0.025	0.7106176	0.05	0.8230461	0.1	0.5120745	0.2	0.5277016	0.25	0.5214002	0.5	0.5260419
1,2-Dichlorobenzene			0.05	0.8157337	0.1	0.4507102	0.2	0.4959748	0.25	0.5041537	0.5	0.5630042
1,3-Dichlorobenzene			0.05	0.9026695	0.1	0.4397069	0.2	0.5589968	0.25	0.5713975	0.5	0.6581366
1,4-Dichlorobenzene			0.05	0.7296105	0.1	0.4329357	0.2	0.5402197	0.25	0.5980511	0.5	0.5223197
Dichlorodifluoromethane (Freon			0.05	2.678482	0.1	1.714047	0.2	1.657031	0.25	1.745841	0.5	1.72947
1,1-Dichloroethane			0.05	2.456111	0.1	1.380832	0.2	1.511579	0.25	1.495271	0.5	1.380043
1,2-Dichloroethane	0.025	1.395945	0.05	1.595051	0.1	0.9987901	0.2	1.011638	0.25	1.038077	0.5	0.977975
1,1-Dichloroethylene	0.025	1.961777	0.05	2.031433	0.1	1.255769	0.2	1.157091	0.25	1.223436	0.5	1.191688
cis-1,2-Dichloroethylene	0.025	1.456933	0.05	1.479686	0.1	0.9910807	0.2	0.9850737	0.25	0.9749917	0.5	0.8842349
trans-1,2-Dichloroethylene	0.025	1.88046	0.05	1.792342	0.1	1.051899	0.2	1.156656	0.25	1.138022	0.5	1.168079
1,2-Dichloropropane	0.025	0.5379831	0.05	0.557072	0.1	0.361972	0.2	0.3499058	0.25	0.3467404	0.5	0.3145134
cis-1,3-Dichloropropene	0.025	0.7114312	0.05	0.7152805	0.1	0.4429595	0.2	0.4736648	0.25	0.4510806	0.5	0.4381923
trans-1,3-Dichloropropene	0.025	0.3395467	0.05	0.4865096	0.1	0.3250904	0.2	0.3442715	0.25	0.3335388	0.5	0.3347617
1,2-Dichloro-1,1,2,2-tetrafluoroe			0.05	2.589868	0.1	1.720043	0.2	1.678806	0.25	1.730956	0.5	1.692393
1,4-Dioxane									0.25	0.1162694	0.5	0.1166428
Ethanol											0.5	0.1682425

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

EPA TO-15

Client: NYDEC GES - Amherst, NY SDG: 24F1161

Project: DW Carriage Cleaners, 2101 Monroe Ave - CO 142824

Calibration: 2400609 Instrument: SYSK

Calibration Date: 4/15/2024 12:00:34AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Ethylbenzene			0.05	1.898775	0.1	1.198931	0.2	1.251592	0.25	1.288257	0.5	1.229884
Heptane			0.05	0.4204037	0.1	0.317486	0.2	0.2824892	0.25	0.2899577	0.5	0.2773003
Hexachlorobutadiene			0.05	0.5858008	0.1	0.3605681	0.2	0.361945	0.25	0.3809897	0.5	0.3667664
Hexane			0.05	1.401103	0.1	0.9465377	0.2	0.8195882	0.25	0.858744	0.5	0.7528939
Methyl tert-Butyl Ether (MTBE)			0.05	3.149975	0.1	1.705481	0.2	1.831662	0.25	1.836217	0.5	1.774416
Methylene Chloride			0.05	1.486374	0.1	1.008213	0.2	0.8796856	0.25	0.8945398	0.5	0.8611497
4-Methyl-2-pentanone (MIBK)			0.05	0.3528123	0.1	0.1882102	0.2	0.2069126	0.25	0.2261765	0.5	0.233911
Naphthalene			0.05	0.8287335	0.1	0.4909144	0.2	0.5769106	0.25	0.6206979	0.5	0.6884336
Styrene			0.05	0.8474206	0.1	0.5294258	0.2	0.6174865	0.25	0.6412543	0.5	0.6467969
1,1,2,2-Tetrachloroethane	0.025	1.182718	0.05	1.015605	0.1	0.7257915	0.2	0.7180627	0.25	0.7550112	0.5	0.7113727
Tetrachloroethylene	0.025	0.508289	0.05	0.5573639	0.1	0.4071204	0.2	0.462953	0.25	0.4245413	0.5	0.4071912
Toluene			0.05	1.731403	0.1	0.9911392	0.2	0.9794315	0.25	1.055343	0.5	0.9775532
1,2,4-Trichlorobenzene			0.05	0.3599303	0.1	0.203137	0.2	0.2576997	0.25	0.2562578	0.5	0.2606405
1,1,1-Trichloroethane	0.025	0.817264	0.05	0.845264	0.1	0.5444789	0.2	0.5669212	0.25	0.5900948	0.5	0.5387303
1,1,2-Trichloroethane	0.025	0.4178168	0.05	0.4850528	0.1	0.364377	0.2	0.3338873	0.25	0.3616528	0.5	0.3493673
Trichloroethylene	0.025	0.5159346	0.05	0.5934674	0.1	0.3364971	0.2	0.3662256	0.25	0.354375	0.5	0.3670496
Trichlorofluoromethane (Freon 1			0.05	2.502926	0.1	1.559003	0.2	1.711032	0.25	1.672832	0.5	1.654268
1,1,2-Trichloro-1,2,2-trifluoroeth			0.05	2.044809	0.1	1.148694	0.2	1.388771	0.25	1.347126	0.5	1.327052
1,2,4-Trimethylbenzene			0.05	1.414534	0.1	0.9081916	0.2	0.938424	0.25	0.9645816	0.5	0.9866423
1,3,5-Trimethylbenzene			0.05	1.438909	0.1	0.6127966	0.2	0.9025964	0.25	0.8840982	0.5	0.9147952
2,2,4-Trimethylpentane					0.067		0.134	1.935373	0.134		0.268	2.08978
Vinyl Chloride	0.025	1.13844	0.05	1.217188	0.1	0.7084043	0.2	0.7076679	0.25	0.7049286	0.5	0.7128444
m&p-Xylene			0.1	1.55225	0.2	1.018224	0.4	0.9810502	0.5	1.009091	1	0.9766876
o-Xylene			0.05	1.376348	0.1	0.9632079	0.2	0.9947554	0.25	0.9410637	0.5	1.022652
4-Bromofluorobenzene (1)	8	0.5175932	8	0.530425	8	0.5166662	8	0.5308959	8	0.5180195	8	0.5275567
4-Bromofluorobenzene (2)							8	2.140255			8	2.152884

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Client: NYDEC GES - Amherst, NY SDG: 24F1161

Project: DW Carriage Cleaners, 2101 Monroe Ave - CO 142824

Calibration: 2400609 Instrument: SYSK

Calibration Date: 4/15/2024 12:00:34AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
Benzene	1	0.8005016	2	0.6635262	5	0.7504131	10	0.7568011	20	0.7816852	50	0.8000289
Benzyl chloride	1	0.5122961	2	0.4367548	5	0.6376537	10	0.7598402	20	0.9065947	50	1.051256
Bromodichloromethane	1	0.6079912	2	0.5110262	5	0.5828056	10	0.5946758	20	0.6080314	50	0.6201943
Bromoform	1	0.4283103	2	0.3773689	5	0.458269	10	0.4801305	20	0.5278202	50	0.5795313
Bromomethane	1	0.564365	2	0.4675641	5	0.542844	10	0.5471009	20	0.5541496	50	0.5813378
2-Butanone (MEK)	1	1.337428	2	1.10305	5	1.288949	10	1.315731	20	1.329009	50	1.373514
tert-Butyl Alcohol (TBA)	0.824	0.8451373	1.03	0.8031922	2.06	0.8089325	4.12	0.814551	8.25	0.783951		
Carbon Tetrachloride	1	0.529775	2	0.4407707	5	0.5107192	10	0.5182635	20	0.5258043	50	0.545417
Chlorobenzene	1	0.7606305	2	0.630846	5	0.7287772	10	0.7290406	20	0.7716919	50	0.78422
Chloroethane	1	0.3642087	2	0.3186337	5	0.3650263	10	0.3562501	20	0.3629361	50	0.3797735
Chloroform	1	1.242942	2	1.049814	5	1.785557	10	1.780631	20	1.260241	50	1.318068
Chloromethane	1	0.7031448	2	0.5915061	5	0.6630231	10	0.6916288	20	0.6706698	50	0.6834699
Cyclohexane	1	0.3152725	2	0.2716005	5	0.3193734	10	0.320735	20	0.3312228	50	0.3380682
Dibromochloromethane	1	0.5404078	2	0.4757276	5	0.5439847	10	0.55684	20	0.5921709	50	0.6112739
1,2-Dibromoethane (EDB)	1	0.5277052	2	0.4373728	5	0.5080936	10	0.5161713	20	0.5433471	50	0.554824
1,2-Dichlorobenzene	1	0.5802181	2	0.4926319	5	0.5743269	10	0.6010798	20	0.6465441	50	0.672932
1,3-Dichlorobenzene	1	0.6687001	2	0.5767565	5	0.6871348	10	0.7138475	20	0.7720168	50	0.7866324
1,4-Dichlorobenzene	1	0.5707021	2	0.470056	5	0.5584204	10	0.5807715	20	0.6412616	50	0.6913062
Dichlorodifluoromethane (Freon	1	1.690718	2	1.430027	5	1.632913	10	1.646404	20	1.685748	50	1.747135
1,1-Dichloroethane	1	1.434732	2	1.18562	5	1.365406	10	1.357141	20	1.350572	50	1.389777
1,2-Dichloroethane	1	0.9422228	2	0.8071445	5	0.9212116	10	0.9403339	20	0.9543124	50	0.9938153
1,1-Dichloroethylene	1	1.122566	2	0.9987506	5	1.110485	10	1.113825	20	1.151528	50	1.197216
cis-1,2-Dichloroethylene	1	0.9297185	2	0.7685973	5	0.8703783	10	0.8822641	20	0.8995805	50	0.9533716
trans-1,2-Dichloroethylene	1	1.121685	2	0.9592039	5	1.082815	10	1.113196	20	1.136249	50	1.159778
1,2-Dichloropropane	1	0.3263488	2	0.278079	5	0.312084	10	0.3164868	20	0.3217952	50	0.3295198
cis-1,3-Dichloropropene	1	0.4481477	2	0.3773492	5	0.4561769	10	0.4645933	20	0.4926083	50	0.5221301
trans-1,3-Dichloropropene	1	0.3531566	2	0.2865523	5	0.3566674	10	0.3659485	20	0.3955564	50	0.4227243
1,2-Dichloro-1,1,2,2-tetrafluoroe	1	1.643694	2	1.413644	5	1.633596	10	1.625541	20	1.672368	50	1.759312
1,4-Dioxane	1	0.1157792	2	0.1181722	5	0.1331348	10	0.1351827	20	0.142861	50	0.1533172
Ethanol	1	0.181488	2	0.1239421	5	0.1365729	10	0.1458481	20	0.1490744	50	0.1523349

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Client: NYDEC GES - Amherst, NY SDG: 24F1161

Project: DW Carriage Cleaners, 2101 Monroe Ave - CO 142824

Calibration: 2400609 Instrument: SYSK

Calibration Date: 4/15/2024 12:00:34AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
Ethylbenzene	1	1.283883	2	1.122684	5	1.304038	10	1.335092	20	1.403871	50	1.435249
Heptane	1	0.2745792	2	0.2467534	5	0.2752056	10	0.2713329	20	0.2842805	50	0.2932086
Hexachlorobutadiene	1	0.3663686	2	0.3239193	5	0.3699286	10	0.3828735	20	0.4129324	50	0.4596685
Hexane	1	0.6963643	2	0.5719935	5	0.6592164	10	0.6617856	20	0.682756	50	0.7206973
Methyl tert-Butyl Ether (MTBE)	1	1.710002	2	1.456102	5	1.676636	10	1.675385	20	1.699038	50	1.756534
Methylene Chloride	1	0.8167399	2	0.7038015	5	0.791857	10	0.7698335	20	0.7782429	50	0.8053997
4-Methyl-2-pentanone (MIBK)	1	0.239705	2	0.2162968	5	0.2540009	10	0.2667463	20	0.2831757	50	0.2989874
Naphthalene	1	0.7163677	2	0.6225042	5	0.8436549	10	0.9297877	20	1.043193	50	1.104514
Styrene	1	0.6688747	2	0.596927	5	0.7254656	10	0.7322332	20	0.7969805	50	0.8216217
1,1,2,2-Tetrachloroethane	1	0.7458326	2	0.626631	5	0.7377874	10	0.7390404	20	0.7843485	50	0.7977721
Tetrachloroethylene	1	0.4345525	2	0.3649444	5	0.4185554	10	0.40968	20	0.4353372	50	0.4420545
Toluene	1	1.016953	2	0.88717	5	0.9809128	10	0.9985592	20	1.043202	50	1.052931
1,2,4-Trichlorobenzene	1	0.2922917	2	0.2509393	5	0.3314217	10	0.3690461	20	0.4127789	50	0.4655533
1,1,1-Trichloroethane	1	0.5313803	2	0.4794043	5	0.5304453	10	0.5362637	20	0.5576496	50	0.5663535
1,1,2-Trichloroethane	1	0.3576382	2	0.306066	5	0.3416914	10	0.3409477	20	0.3547164	50	0.3539439
Trichloroethylene	1	0.3606612	2	0.3023929	5	0.338468	10	0.3420597	20	0.351217	50	0.3655641
Trichlorofluoromethane (Freon 1	1	1.589539	2	1.418554	5	1.575795	10	1.583403	20	1.627728	50	1.703847
1,1,2-Trichloro-1,2,2-trifluoroeth	1	1.239067	2	1.125126	5	1.26074	10	1.256036	20	1.292049	50	1.35428
1,2,4-Trimethylbenzene	1	1.021886	2	0.8876555	5	1.082165	10	1.116494	20	1.21554	50	1.258536
1,3,5-Trimethylbenzene	1	0.9281221	2	0.8947615	5	1.035265	10	1.004805	20	1.120814	50	1.179154
2,2,4-Trimethylpentane	0.536	1.987176	0.669	1.965265	1.34	1.965729	2.68	1.993765	5.35	2.038932		
Vinyl Chloride	1	0.7285055	2	0.6146258	5	0.7047168	10	0.7139281	20	0.7211679	50	0.7528849
m&p-Xylene	2	1.002745	4	0.8839922	10	1.04819	20	1.06859	40	1.150298	100	1.211319
o-Xylene	1	1.016866	2	0.8835287	5	1.02555	10	1.030659	20	1.100519	50	1.116858
4-Bromofluorobenzene (1)	8	0.530357	8	0.5349315	8	0.5397911	8	0.5424222	8	0.55063	8	0.5472224
4-Bromofluorobenzene (2)	8	2.190286	8	2.1798	8	2.15736	8	2.176135	8	2.275921		

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Laboratory:	Pace New England	Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY	Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CC
Calibration:	2400609	Instrument:	SYSK
		Calibration Date:	4/15/2024 12:00:34AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Benzene	0.8125705	19.5			30	
Benzyl chloride	0.6050113	35.7		0.999		
Bromodichloromethane	0.6600421	25.1			30	
Bromoform	0.4582029	16.4			30	
Bromomethane	0.5997196	25.3			30	
2-Butanone (MEK)	1.437234	16.2			30	
tert-Butyl Alcohol (TBA)	0.8229674	3.4			30	
Carbon Tetrachloride	0.5360304	11.9			30	
Chlorobenzene	0.8437425	28.7			30	
Chloroethane	0.3972731	20.0			30	
Chloroform	1.488916	22.5			30	
Chloromethane	0.7669907	29.6			30	
Cyclohexane	0.3462023	27.1			30	
Dibromochloromethane	0.5803333	15.5			30	
1,2-Dibromoethane (EDB)	0.559033	18.6			30	
1,2-Dichlorobenzene	0.5815736	17.7			30	
1,3-Dichlorobenzene	0.6669087	19.2			30	
1,4-Dichlorobenzene	0.5759686	15.3			30	
Dichlorodifluoromethane (Freon 12)	1.759801	18.0			30	
1,1-Dichloroethane	1.482462	22.5			30	
1,2-Dichloroethane	1.048043	21.1			30	
1,1-Dichloroethylene	1.292964	25.9			30	
cis-1,2-Dichloroethylene	1.006326	22.3			30	
trans-1,2-Dichloroethylene	1.230032	23.5			30	
1,2-Dichloropropane	0.3627084	24.5			30	
cis-1,3-Dichloropropene	0.4994679	21.1			30	
trans-1,3-Dichloropropene	0.362027	14.4			30	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon	1.741838	17.0			30	
1,4-Dioxane	0.1289199	11.1			30	
Ethanol	0.1510718	12.7			30	
Ethylbenzene	1.341114	15.3			30	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA TO-15

Laboratory:	Pace New England	Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY	Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CC
Calibration:	2400609	Instrument:	SYSK
		Calibration Date:	4/15/2024 12:00:34AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Heptane	0.2939088	15.4			30	
Hexachlorobutadiene	0.3974328	17.9			30	
Hexane	0.7974254	28.3			30	
Methyl tert-Butyl Ether (MTBE)	1.842859	24.2			30	
Methylene Chloride	0.8905306	23.9			30	
4-Methyl-2-pentanone (MIBK)	0.2515395	18.7			30	
Naphthalene	0.7696101	25.6			30	
Styrene	0.6931352	14.5			30	
1,1,2,2-Tetrachloroethane	0.7949978	19.2			30	
Tetrachloroethylene	0.4393819	11.6			30	
Toluene	1.064963	21.2			30	
1,2,4-Trichlorobenzene	0.3145178	25.5			30	
1,1,1-Trichloroethane	0.5920208	19.4			30	
1,1,2-Trichloroethane	0.3639298	12.6			30	
Trichloroethylene	0.382826	21.9			30	
Trichlorofluoromethane (Freon 11)	1.690812	16.6			30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	1.343977	18.3			30	
1,2,4-Trimethylbenzene	1.072241	15.5			30	
1,3,5-Trimethylbenzene	0.9923743	21.0			30	
2,2,4-Trimethylpentane	1.996574	2.6			30	
Vinyl Chloride	0.7854419	23.8			30	
m&p-Xylene	1.08204	16.5			30	
o-Xylene	1.04291	12.4			30	
4-Bromofluorobenzene (1)	0.5322092	2.1			30	
4-Bromofluorobenzene (2)	2.181806	2.1			30	

INITIAL CALIBRATION STANDARDS

EPA TO-15

Laboratory:	Pace New England	Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY	Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1
Sequence:	S105283	Instrument:	SYSK
Calibration:	2400609		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2306742	TO-15 Calibration Standard 0.025 PPBv	S105283-CAL1	K24A106006.D	04/15/24 13:22
2306743	TO-15 Calibration Standard 0.05 PPBv	S105283-CAL2	K24A106007.D	04/15/24 13:51
2306744	TO-15 Calibration Standard 0.10 PPBv	S105283-CAL3	K24A106008.D	04/15/24 14:20
2306745	TO-15 Calibration Standard 0.20 PPBv	S105283-CAL4	K24A106009.D	04/15/24 14:47
2305541	TO-15 Calibration Standard 0.25 PPBv	S105283-CAL5	K24A106010.D	04/15/24 15:15
2306746	TO-15 Calibration Standard 0.50 PPBv	S105283-CAL6	K24A106011.D	04/15/24 15:44
2306747	TO-15 Calibration Standard 1.0 PPBv	S105283-CAL7	K24A106012.D	04/15/24 16:15
2306748	TO-15 Calibration Standard 2.0 PPBv	S105283-CAL8	K24A106013.D	04/15/24 16:43
2306749	TO-15 Calibration Standard 5.0 PPBv	S105283-CAL9	K24A106014.D	04/15/24 17:11
2306750	TO-15 Calibration Standard 10.0 PPBv	S105283-CALA	K24A106015.D	04/15/24 17:41
2306751	TO-15 Calibration Standard 20.0 PPBv	S105283-CALB	K24A106016.D	04/15/24 18:12
2306752	TO-15 Calibration Standard 50.0 PPBv	S105283-CALC	K24A106017.D	04/15/24 18:49
2306745	TO-15 Calibration Standard 0.20 PPBv	S105283-CAL4	K24A136003.D	05/15/24 01:00
2306746	TO-15 Calibration Standard 0.50 PPBv	S105283-CAL6	K24A136004.D	05/15/24 01:30
2306747	TO-15 Calibration Standard 1.0 PPBv	S105283-CAL7	K24A136005.D	05/15/24 02:00
2306748	TO-15 Calibration Standard 2.0 PPBv	S105283-CAL8	K24A136006.D	05/15/24 02:30
2306749	TO-15 Calibration Standard 5.0 PPBv	S105283-CAL9	K24A136007.D	05/15/24 02:59
2306750	TO-15 Calibration Standard 10.0 PPBv	S105283-CALA	K24A136008.D	05/15/24 03:29
2306751	TO-15 Calibration Standard 20.0 PPBv	S105283-CALB	K24A136009.D	05/15/24 04:01

D:\MassHunter\GCMS\1\data\K041524\

Date	Filename	Lab ID	Sample Info
15 Apr 2024 11:02 am	K24A106001.D	CLUP	
15 Apr 2024 11:29 am	K24A106002.D	CLUP	
15 Apr 2024 11:56 am	K24A106003.D	BFB	CTIS-614-1800
15 Apr 2024 12:25 pm	K24A106004.D	0.010PPBv STD	CTWS-4193-2482 05/13
15 Apr 2024 12:53 pm	K24A106005.D	0.020PPBv STD	CTWS-4193-2482 05/13
15 Apr 2024 01:22 pm	K24A106006.D	0.025PPBv STD	CTWS-4193-2482 05/13
15 Apr 2024 01:51 pm	K24A106007.D	0.050PPBv STD	CTWS-4193-2482 05/13
15 Apr 2024 01:51 pm	K24A106007RL.D	0.050PPBv STD	CTWS-4193-2482 05/13
15 Apr 2024 02:20 pm	K24A106008.D	0.10PPBv STD	CTWS-4192-2465 05/12
15 Apr 2024 02:20 pm	K24A106008RL.D	0.10PPBv STD	CTWS-4192-2465 05/12
15 Apr 2024 02:47 pm	K24A106009.D	0.20PPBv STD	CTWS-4192-2465 05/12
15 Apr 2024 03:15 pm	K24A106010.D	0.25PPBv STD	CTWS-4192-2465 05/12
15 Apr 2024 03:44 pm	K24A106011.D	0.50PPBv STD	CTWS-4192-2465 05/12
15 Apr 2024 04:15 pm	K24A106012.D	1.0PPBv STD	CTWS-4192-2465 05/12
15 Apr 2024 04:43 pm	K24A106013.D	2.0PPBv STD	CTWS-4185-1069 05/03
15 Apr 2024 05:11 pm	K24A106014MID.D	5.0PPBv STD	CTWS-4185-1069 05/03
15 Apr 2024 05:11 pm	K24A106014.D	5.0PPBv STD	CTWS-4185-1069 05/03
15 Apr 2024 05:41 pm	K24A106015.D	10PPBv STD	CTWS-4185-1069 05/03
15 Apr 2024 06:12 pm	K24A106016.D	20PPBv STD	CTWS-4185-1069 05/03
15 Apr 2024 06:49 pm	K24A106017.D	50PPBv STD	CTWS-4185-1069 05/03
15 Apr 2024 07:17 pm	K24A106018.D	CLUP	CTWS-4186-2153 05/05
15 Apr 2024 07:46 pm	K24A106019.D	5.0PPBv ICV	CTWS-4186-2153 05/05
15 Apr 2024 08:15 pm	K24A106020.D	CLUP	
15 Apr 2024 08:44 pm	K24A106021.D	0.050PPBv LOQ3	CTWS-4193-2482 05/13
15 Apr 2024 09:12 pm	K24A106022.D	0.050PPBv LOQ4	CTWS-4193-2482 05/13
15 Apr 2024 09:41 pm	K24A106023.D	0.50PPBv LOQ3	CTWS-4192-2465 05/12
15 Apr 2024 10:10 pm	K24A106024.D	0.50PPBv LOQ4	CTWS-4192-2465 05/12
15 Apr 2024 10:39 pm	K24A106025.D	2.0PPBv LOQ3	CTWS-4185-1069 05/03
15 Apr 2024 11:07 pm	K24A106026.D	2.0PPBv LOQ4	CTWS-4185-1069 05/03
15 Apr 2024 11:34 pm	K24A106027.D	CLUP	
16 Apr 2024 01:55 pm	K24A106028.D	CLUP	
16 Apr 2024 02:23 pm	K24A106029.D	0.625ug-m3 STD	CTWS-4190-24102 05/06
16 Apr 2024 02:51 pm	K24A106030.D	1.25ug-m3 STD	CTWS-4190-24102 05/06
16 Apr 2024 03:20 pm	K24A106031.D	2.50ug-m3 STD	CTWS-4190-24102 05/06
16 Apr 2024 03:49 pm	K24A106032.D	3.13ug-m3 STD	CTWS-4190-24102 05/06
16 Apr 2024 04:17 pm	K24A106033.D	6.25ug-m3 STD	CTWS-4190-24102 05/06
16 Apr 2024 04:45 pm	K24A106034.D	12.5ug-m3 STD	CTWS-4190-24102 05/06
16 Apr 2024 05:15 pm	K24A106035.D	25ug-m3 STD	CTWS-4190-24102 05/06
16 Apr 2024 05:43 pm	K24A106036.D	CLUP	CTWS-4191-2066 05/06
16 Apr 2024 06:12 pm	K24A106037.D	6.25ug-m3 ICV	CTWS-4191-2066 05/06

Sequence Report

4/23/2024 1:59:46 PM

ID	Name	Inlet	Pos.	Int Std	Cal Std	Sample	Method	Inject	Status	Error	Notes
	CLUP	One	T1	50	0	10	TW070720.7200A.CTD		Queue		
	CLUP	One	T1	50	0	10	TW070720.7200A.CTD		Queue		
	BFB	One	T1	50	0	10	TW070720.7200A.CTD		Queue		
	0.010PPBv STD	One	T1	50	0	20	TW070720.7200A.CTD		Queue		
	0.020PPBv STD	One	T1	50	0	40	TW070720.7200A.CTD		Queue		
	0.025PPBv STD	One	T1	50	0	50	TW070720.7200A.CTD		Queue		
	0.050PPBv STD	One	T1	50	0	100	TW070720.7200A.CTD		Queue		
	0.10PPBv STD	One	T2	50	0	20	TW070720.7200A.CTD		Queue		
	0.20PPBv STD	One	T2	50	0	40	TW070720.7200A.CTD		Queue		
	0.25PPBv STD	One	T2	50	0	50	TW070720.7200A.CTD		Queue		
	0.50PPBv STD	One	T2	50	0	100	TW070720.7200A.CTD		Queue		
	1.0PPBv STD	One	T2	50	0	200	TW070720.7200A.CTD		Queue		
	2.0PPBv STD	One	T3	50	0	20	TW070720.7200A.CTD		Queue		
	5.0PPBv STD	One	T3	50	0	50	TW070720.7200A.CTD		Queue		
	10PPBv STD	One	T3	50	0	100	TW070720.7200A.CTD		Queue		
	20PPBv STD	One	T3	50	0	200	TW070720.7200A.CTD		Queue		
	50PPBv STD	One	T3	50	0	500	TW070720.7200A.CTD		Queue		
	CLUP	One	T4	50	0	50	TW070720.7200A.CTD		Queue		

Sequence Report

4/23/2024 1:59:46 PM

	5.0PPBv ICV	One	T4	50	0	50	TW07072 0.7200A. CTD		Queue		
	CLUP	One	T5	50	0	10	TW07072 0.7200A. CTD		Queue		
	0.050PPB v LOQ3	One	T1	50	0	100	TW07072 0.7200A. CTD		Queue		
	0.050PPB v LOQ4	One	T1	50	0	100	TW07072 0.7200A. CTD		Queue		
	0.50PPBv LOQ3	One	T2	50	0	100	TW07072 0.7200A. CTD		Queue		
	0.50PPBv LOQ4	One	T2	50	0	100	TW07072 0.7200A. CTD		Queue		
	2.0PPBv LOQ3	One	T3	50	0	20	TW07072 0.7200A. CTD		Queue		
	2.0PPBv LOQ4	One	T3	50	0	20	TW07072 0.7200A. CTD		Queue		
	CLUP	One	T7	50	0	5	TW07072 0.7200A. CTD		Queue		
	CLUP	One	T7	50	0	5	TW07072 0.7200A. CTD		Queue		
	0.625ug-m3 STD	One	T7	50	0	5	TW07072 0.7200A. CTD		Queue		
	1.25ug-m3 STD	One	T7	50	0	10	TW07072 0.7200A. CTD		Queue		
	2.50ug-m3 STD	One	T7	50	0	20	TW07072 0.7200A. CTD		Queue		
	3.13ug-m3 STD	One	T7	50	0	25	TW07072 0.7200A. CTD		Queue		
	6.25ug-m3 STD	One	T7	50	0	50	TW07072 0.7200A. CTD		Queue		
	12.5ug-m3 STD	One	T7	50	0	100	TW07072 0.7200A. CTD		Queue		
	25ug-m3 STD	One	T7	50	0	200	TW07072 0.7200A. CTD		Queue		
	CLUP	One	T8	50	0	50	TW07072 0.7200A. CTD		Queue		

Sequence Report

4/23/2024 1:59:46 PM

	6.25ug-m3 ICV	One	T8	50	0	50	TW070720.7200A.CTD		Queue		

Response Factor Report SYSK

Method Path : D:\MassHunter\GCMS\1\methods\
Method File : K041524SIM.M
Title : QUANT METHOD FOR TO-14/TO-15
Last Update : Fri Apr 19 14:01:24 2024
Response Via : Initial Calibration

Calibration Files
10 =K24A106004.D 20 =K24A106005.D 25 =K24A106006.D 50 =K24A106007.D 100 =K24A106008.D 200 =K24A106009.D 250 =K24A106010.D 500 =K24A106011.D
1.0 =K24A106012.D 2.0 =K24A106013.D 5.0 =K24A106014.D 10.0=K24A106015.D 20.0=K24A106016.D 50.0=K24A106017.D LCS =K23A249021.D

	Compound	10	20	25	50	100	200	250	500	1.0	2.0	5.0	10.0	20.0	50.0	LCS	Avg	%RSD
1) I	BROMOCHLOROMETHANE...	----------ISTD----------																
2)	PROPENE								0.522	0.442	0.348	0.355	0.352	0.351	0.373		0.392	16.97
3)	DICHLORODIFLUO...			2.678	1.714	1.657	1.746	1.729	1.691	1.430	1.633	1.646	1.686	1.747			1.760	18.02
4)	CHLOROMETHANE			1.418	0.872	0.665	0.764	0.715	0.703	0.592	0.663	0.692	0.671	0.683			0.767	29.60
5)	FREON 114			2.590	1.720	1.679	1.731	1.692	1.644	1.414	1.634	1.626	1.672	1.759			1.742	16.97
6)	VINYL CHLORIDE		1.138	1.217	0.708	0.708	0.705	0.713	0.729	0.615	0.705	0.714	0.721	0.753			0.785	23.79
7)	1,3-BUTADIENE			1.269	0.803	0.699	0.712	0.610	0.584	0.481	0.551	0.555	0.560	0.585			0.674	32.27
8)	BROMOMETHANE			1.047	0.562	0.556	0.599	0.576	0.564	0.468	0.543	0.547	0.554	0.581			0.600	25.33
9)	CHLOROETHANE			0.617	0.365	0.423	0.433	0.385	0.364	0.319	0.365	0.356	0.363	0.380			0.397	19.96
10)	ACROLEIN							0.307	0.344	0.325	0.267	0.285	0.290	0.301	0.318		0.305	8.02
11)	ACETONE								1.124	1.057	0.858	0.955	0.952	0.958	1.012		0.988	8.66
12)	TRICHLOROFLUOR...			2.503	1.559	1.711	1.673	1.654	1.590	1.419	1.576	1.583	1.628	1.704			1.691	16.65
13)	ETHANOL								0.168	0.181	0.124	0.137	0.146	0.149	0.152		0.151	12.67
14)	1,1-DICHLOROET...		1.962	2.031	1.256	1.157	1.223	1.192	1.123	0.999	1.110	1.114	1.152	1.197			1.293	25.94
15)	METHYLENE CHLO...			1.486	1.008	0.880	0.895	0.861	0.817	0.704	0.792	0.770	0.778	0.805			0.891	23.94
16)	FREON 113			2.045	1.149	1.389	1.347	1.327	1.239	1.125	1.261	1.256	1.292	1.354			1.344	18.35
17)	CARBON DISULFIDE			3.018	1.791	1.712	1.709	1.720	1.711	1.417	1.692	1.708	1.774	1.880			1.830	22.38
18)	TRANS-1,2-DICH...		1.880	1.792	1.052	1.157	1.138	1.168	1.122	0.959	1.083	1.113	1.136	1.160			1.230	23.55
19)	1,1-DICHLOROET...			2.456	1.381	1.512	1.495	1.380	1.435	1.186	1.365	1.357	1.351	1.390			1.482	22.53
20)	MTBE			3.150	1.705	1.832	1.836	1.774	1.710	1.456	1.677	1.675	1.699	1.757			1.843	24.17
21)	IPA			2.588	1.331	1.252	1.374	1.307	1.218	1.106	1.210	1.307	1.324	1.415			1.403	28.67
22)	2-BUTANONE(MEK)				1.934	1.619	1.626	1.446	1.337	1.103	1.289	1.316	1.329	1.374			1.437	16.23
23)	CIS-1,2-DICHLO...		1.457	1.480	0.991	0.985	0.975	0.884	0.930	0.769	0.870	0.882	0.900	0.953			1.006	22.30
24)	VINYL ACETATE						2.039	2.075	1.842	1.531	1.589	1.558	1.702	1.844			1.773	11.97
25)	HEXANE			1.401	0.947	0.820	0.859	0.753	0.696	0.572	0.659	0.662	0.683	0.721			0.797	28.33
26)	ETHYL ACETATE				0.338	0.216	0.197	0.205	0.178	0.142	0.178	0.177	0.183	0.207			0.202	25.89
27)	CHLOROFORM		2.138	1.948	1.343	1.374	1.318	1.309	1.243	1.050	1.786	1.781	1.260	1.318			1.489	22.51
28)	TETRAHYDROFURAN			1.048	0.503	0.579	0.599	0.525	0.518	0.443	0.520	0.532	0.540	0.588			0.581	27.69
29)	1,2-DICHLOROET...		1.396	1.595	0.999	1.012	1.038	0.978	0.942	0.807	0.921	0.940	0.954	0.994			1.048	21.09
30) I	1,4-DIFLUOROBENZEN...	----------ISTD----------																
31)	1,1,1-TRICHLOR...		0.817	0.845	0.544	0.567	0.590	0.539	0.531	0.479	0.530	0.536	0.558	0.566			0.592	19.44
32)	BENZENE			1.277	0.767	0.758	0.788	0.795	0.801	0.664	0.750	0.757	0.782	0.800			0.813	19.53
33)	CARBON TETRACH...			0.704	0.520	0.514	0.566	0.521	0.530	0.441	0.511	0.518	0.526	0.545			0.536	11.86
34)	CYCLOHEXANE			0.593	0.446	0.305	0.286	0.283	0.315	0.272	0.319	0.321	0.331	0.338			0.346	27.15
35)	1,2-DICHLOROPR...		0.538	0.557	0.362	0.350	0.347	0.315	0.326	0.278	0.312	0.316	0.322	0.330			0.363	24.55
36)	BROMODICHLOROM...		1.025	0.994	0.583	0.599	0.607	0.588	0.608	0.511	0.583	0.595	0.608	0.620			0.660	25.07
37)	TRICHLOROETHENE		0.516	0.593	0.336	0.366	0.354	0.367	0.361	0.302	0.338	0.342	0.351	0.366			0.383	21.92
38)	1,4-DIOXANE							0.116	0.117	0.116	0.118	0.133	0.135	0.143	0.153		0.129	11.15

Method Path : D:\MassHunter\GCMS\1\methods\
Method File : K041524SIM.M
Title : QUANT METHOD FOR TO-14/TO-15

39)		METHYLMETHACRY...		0.348	0.218	0.264	0.270	0.250	0.262	0.219	0.267	0.276	0.293	0.307	0.270	13.71
40)		HEPTANE		0.420	0.317	0.282	0.290	0.277	0.275	0.247	0.275	0.271	0.284	0.293	0.294	15.42
41)		MIBK		0.353	0.188	0.207	0.226	0.234	0.240	0.216	0.254	0.267	0.283	0.299	0.252	18.68
42)		CIS-1,3-DICHLO...	0.711	0.715	0.443	0.474	0.451	0.438	0.448	0.377	0.456	0.465	0.493	0.522	0.499	21.14
43)		TRANS-1,3-DICH...	0.340	0.487	0.325	0.344	0.334	0.335	0.353	0.287	0.357	0.366	0.396	0.423	0.362	14.39
44)	I	CHLOROBENZENE-D5 (1)	----------ISTD----------													
45)		1,1,2-TRICHLOR...	0.418	0.485	0.364	0.334	0.362	0.349	0.358	0.306	0.342	0.341	0.355	0.354	0.364	12.64
46)		TOLUENE		1.731	0.991	0.979	1.055	0.978	1.017	0.887	0.981	0.999	1.043	1.053	1.065	21.22
47)		2-HEXANONE(MBK)		1.051	0.565	0.515	0.511	0.504	0.525	0.464	0.583	0.616	0.674	0.686	0.609	26.80
48)		DIBROMOCHLOROM...	0.758	0.759	0.542	0.535	0.527	0.522	0.540	0.476	0.544	0.557	0.592	0.611	0.580	15.48
49)		1,2-DIBROMOETHANE	0.711	0.823	0.512	0.528	0.521	0.526	0.528	0.437	0.508	0.516	0.543	0.555	0.559	18.59
50)		TETRACHLOROETHENE	0.508	0.557	0.407	0.463	0.425	0.407	0.435	0.365	0.419	0.410	0.435	0.442	0.439	11.57
51)		CHLOROBENZENE	1.359	1.342	0.673	0.816	0.767	0.763	0.761	0.631	0.729	0.729	0.772	0.784	0.844	28.66
52)		ETHYLBENZENE		1.899	1.199	1.252	1.288	1.230	1.284	1.123	1.304	1.335	1.404	1.435	1.341	15.27
53)		M/P-XYLENE		1.552	1.018	0.981	1.009	0.977	1.003	0.884	1.048	1.069	1.150	1.211	1.082	16.53
54)		BROMOFORM		0.581	0.374	0.400	0.427	0.407	0.428	0.377	0.458	0.480	0.528	0.580	0.458	16.43
55)		STYRENE		0.847	0.529	0.617	0.641	0.647	0.669	0.597	0.725	0.732	0.797	0.822	0.693	14.49
56)		O-XYLENE		1.376	0.963	0.995	0.941	1.023	1.017	0.884	1.026	1.031	1.101	1.117	1.043	12.35
57)		1,1,2,2-TETRAC...	1.183	1.016	0.726	0.718	0.755	0.711	0.746	0.627	0.738	0.739	0.784	0.798	0.795	19.17
58)	S	4-BROMOFLUOROB...	0.518	0.530	0.517	0.531	0.518	0.528	0.530	0.535	0.540	0.542	0.551	0.547	0.532	2.14
59)		4-ETHYLTOLUENE		1.906	1.106	1.186	1.248	1.211	1.276	1.103	1.351	1.337	1.524	1.567	1.347	17.72
60)		1,3,5-TRIMETHY...		1.439	0.613	0.903	0.884	0.915	0.928	0.895	1.035	1.005	1.121	1.179	0.992	21.05
61)		1,2,4-TRIMETHY...		1.415	0.908	0.938	0.965	0.987	1.022	0.888	1.082	1.116	1.216	1.259	1.072	15.46
62)		1,3-DICHLOROBE...		0.903	0.440	0.559	0.571	0.658	0.669	0.577	0.687	0.714	0.772	0.787	0.667	19.21
63)		BENZYL CHLORIDE		0.591	0.383	0.463	0.453	0.460	0.512	0.437	0.638	0.760	0.907	1.051	0.605	35.66
64)		1,4-DICHLOROBE...		0.730	0.433	0.540	0.598	0.522	0.571	0.470	0.558	0.581	0.641	0.691	0.576	15.32
65)		1,2-DICHLOROBE...		0.816	0.451	0.496	0.504	0.563	0.580	0.493	0.574	0.601	0.647	0.673	0.582	17.75
66)		1,2,4-TRICHLOR...		0.360	0.203	0.258	0.256	0.261	0.292	0.251	0.331	0.369	0.413	0.466	0.315	25.49
67)		NAPHTHALENE		0.829	0.491	0.577	0.621	0.688	0.716	0.623	0.844	0.930	1.043	1.105	0.770	25.65
68)		HEXACHLOROBUTA...		0.586	0.361	0.362	0.381	0.367	0.366	0.324	0.370	0.383	0.413	0.460	0.397	17.93
69)	I	BROMOCHLOROMETHANE...	----------ISTD----------													
70)		VINYL CHLORIDE...	1.210	1.182	1.199	1.124	0.719	0.721	0.736	0.719	0.700	0.608	0.666	0.700	0.739	0.798	0.844	26.55
71)		1,1-DICHLOROET...	1.883	1.971	1.928	1.852	1.166	1.199	1.213	1.181	1.153	1.000	1.096	1.132	1.207	1.285	1.376	25.88
72)		TRANS-1,2-DICH...	1.709	1.861	1.788	1.866	1.111	1.170	1.195	1.153	1.151	0.974	1.071	1.109	1.180	1.240	1.327	24.30
73)		1,1-DICHLOROET...	2.329	2.263	2.221	2.166	1.389	1.418	1.418	1.397	1.373	1.183	1.292	1.335	1.415	1.474	1.620	25.77
74)		CIS-1,2-DICHLO...	1.573	1.526	1.470	1.494	0.906	0.936	0.945	0.929	0.900	0.765	0.843	0.877	0.933	1.010	1.079	27.11
75)		CHLOROFORM (SIM)		2.088	2.025	1.985	1.235	1.230	1.247	1.223	1.206	1.035	1.146	1.180	1.262	1.360	1.402	26.22
76)		1,2-DICHLOROET...	1.626	1.635	1.623	1.561	0.958	0.991	0.993	0.973	0.946	0.810	0.893	0.932	0.989	1.053	1.142	27.45
77)	I	1,4-DIFLUOROBENZEN...	----------ISTD----------													
78)		CARBON TETRACH...	0.711	0.739	0.727	0.727	0.489	0.501	0.499	0.501	0.493	0.427	0.478	0.481	0.500	0.512	0.556	20.41
79)		1,2-DICHLOROPR...	0.515	0.533	0.533	0.507	0.312	0.324	0.329	0.325	0.321	0.278	0.313	0.315	0.326	0.333	0.376	25.77
80)		BROMODICHLOROM...	0.994	0.964	0.940	0.888	0.568	0.572	0.573	0.579	0.580	0.500	0.564	0.574	0.594	0.610	0.679	26.33
81)		TRICHLOROETHEN...	0.548	0.568	0.563	0.528	0.330	0.343	0.342	0.342	0.339	0.288	0.325	0.326	0.338	0.350	0.395	26.44
82)		CIS-1,3-DICHLO...	0.675	0.743	0.722	0.674	0.423	0.439	0.447	0.448	0.448	0.381	0.447	0.463	0.495	0.522	0.523	23.59
83)		TRANS-1,3-DICH...	0.545	0.525	0.538	0.525	0.303	0.327	0.330	0.334	0.338	0.282	0.346	0.365	0.394	0.426	0.398	23.92

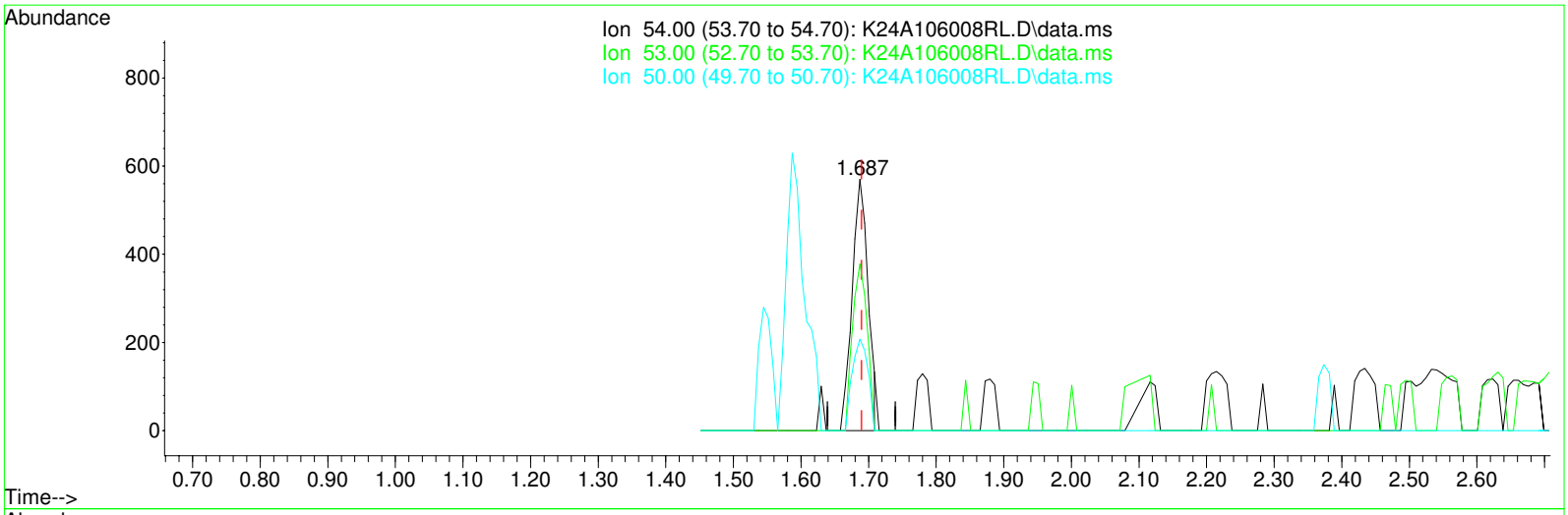
Method Path : D:\MassHunter\GCMS\1\methods\
Method File : K041524SIM.M
Title : QUANT METHOD FOR TO-14/TO-15

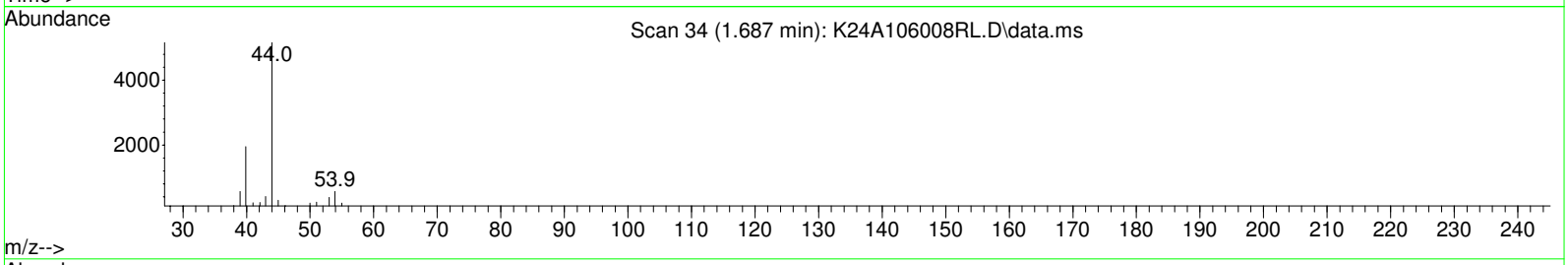
84)	I	CHLOROBENZENE-D5 (...	----------ISTD----------														
85)		1,1,2-TRICHLOR...	0.573	0.534	0.552	0.549	0.337	0.349	0.356	0.349	0.348	0.299	0.333	0.334	0.350	0.351	0.401	25.02
86)		1,2-DIBROMOETH...	0.765	0.768	0.790	0.781	0.476	0.496	0.497	0.501	0.501	0.414	0.490	0.498	0.528	0.540	0.575	23.51
87)		1,1,2,2-TETRAC...	1.089	1.131	1.124	1.116	0.690	0.717	0.729	0.734	0.747	0.632	0.726	0.738	0.778	0.784	0.838	22.12
88)	S	4-BROMOFLUOROB...	0.518	0.518	0.522	0.523	0.516	0.520	0.516	0.522	0.526	0.527	0.527	0.541	0.534	0.539	0.525	1.57
89)		NAPHTHALENE (SIM)	0.938	1.005	0.969	1.015	0.577	0.631	0.638	0.663	0.718	0.625	0.840	0.919	1.032	1.092	0.833	21.98

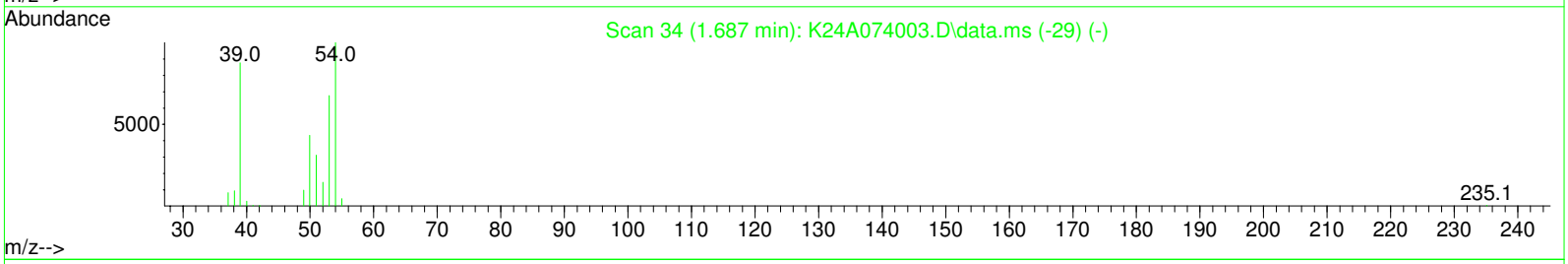
(#) = Out of Range

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106008RL.D
Acq On : 15 Apr 2024 02:20 pm
Operator : CMR
Sample : 0.10PPBv STD Inst : SYSK
Misc : CTWS-4192-2465 05/12
ALS Vial : 2 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 14:05:47 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Fri Apr 19 14:01:24 2024
Response via : Initial Calibration







TIC: K24A106008RL.D\data.ms

(7) 1,3-BUTADIENE

1.687min (-0.003) 0.094 PPBV

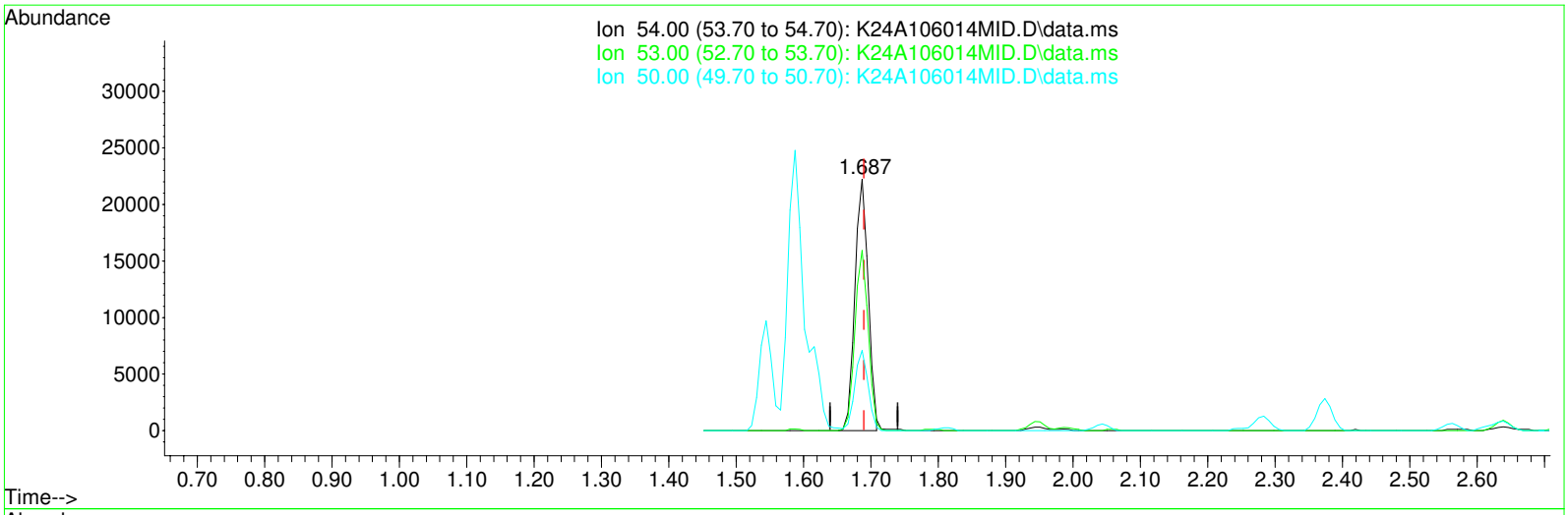
response 938

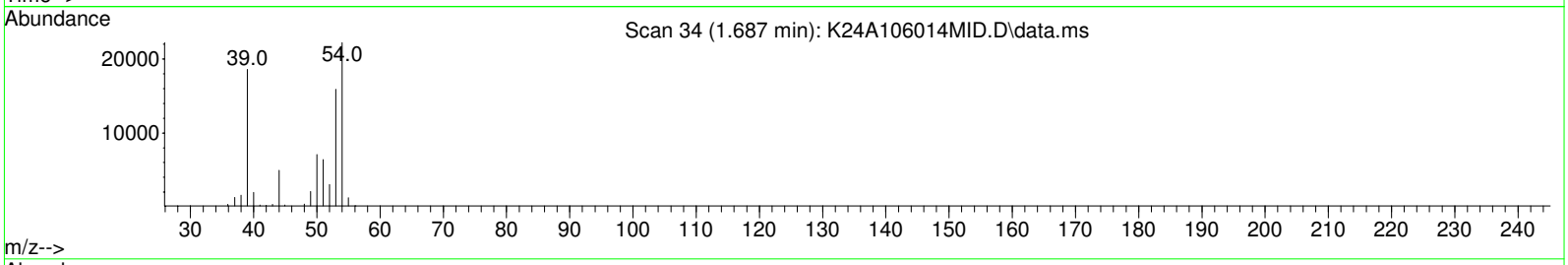
Ion	Exp%	Act%
54.00	100.00	100.00
53.00	72.10	60.87
50.00	35.50	35.82
0.00	0.00	0.00

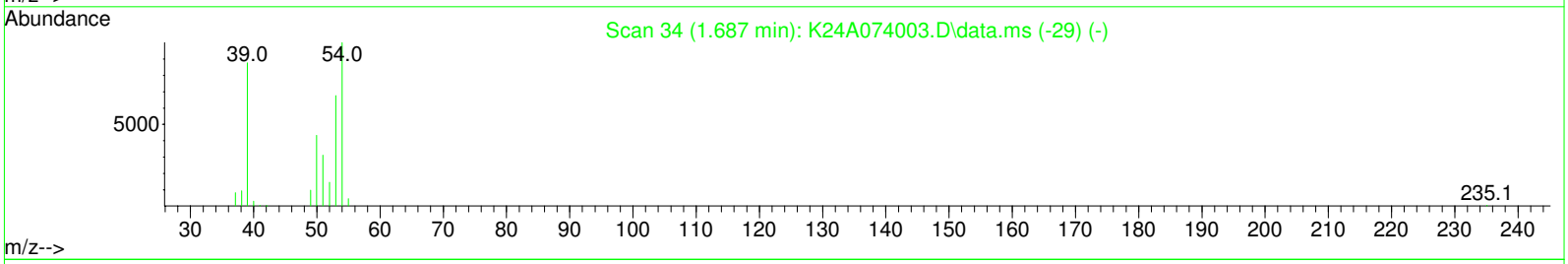
Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106014MID.D
Acq On : 15 Apr 2024 05:11 pm
Operator : CMR
Sample : 5.0PPBv STD Inst : SYSK
Misc : CTWS-4185-1069 05/03
ALS Vial : 3 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 09:10:52 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration







TIC: K24A106014MID.D\data.ms

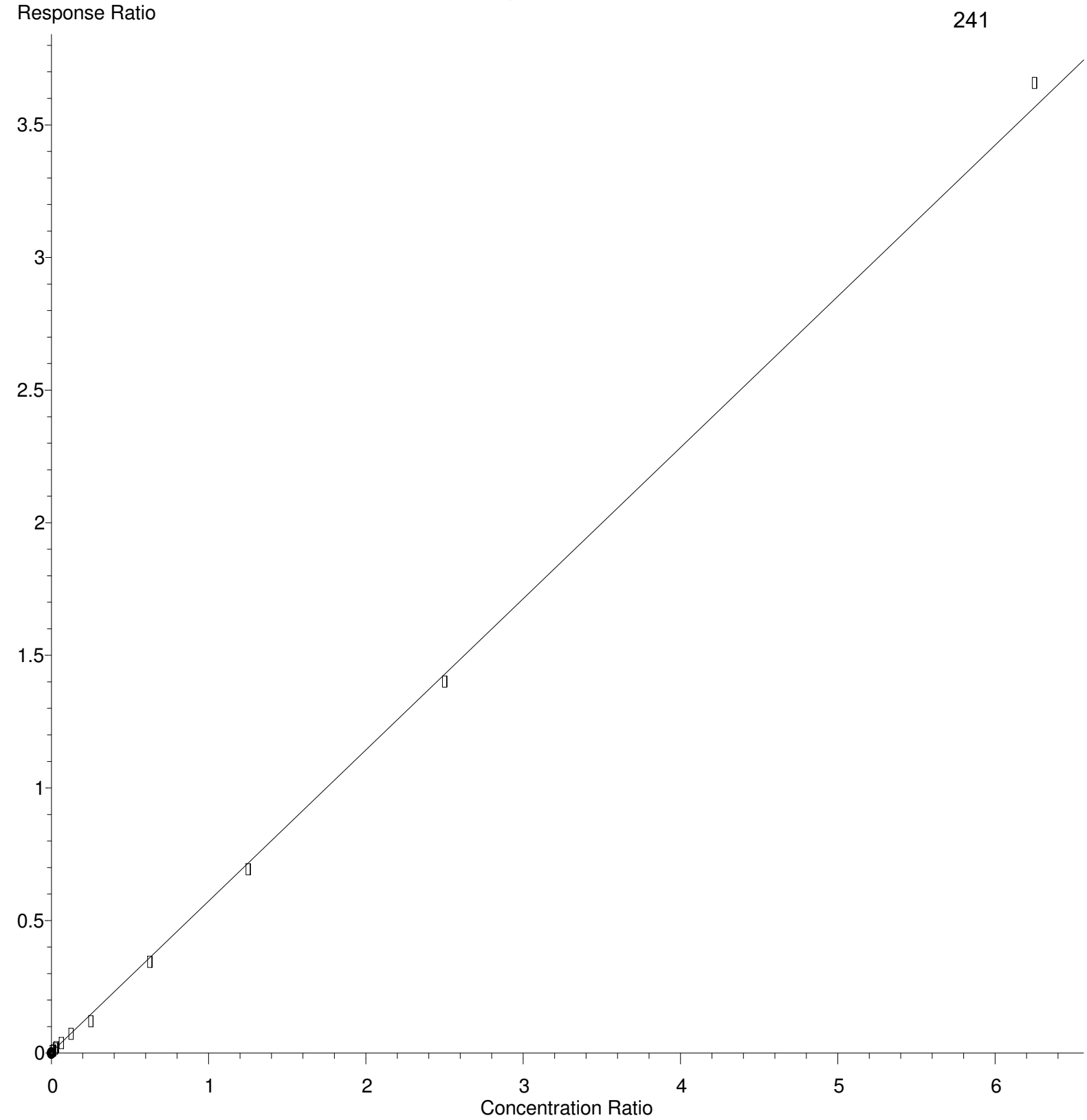
(7) 1,3-BUTADIENE

1.687min (-0.003) 6.146 PPBV

response 30689

Ion	Exp%	Act%
54.00	100.00	100.00
53.00	72.10	71.76
50.00	35.50	30.34
0.00	0.00	0.00

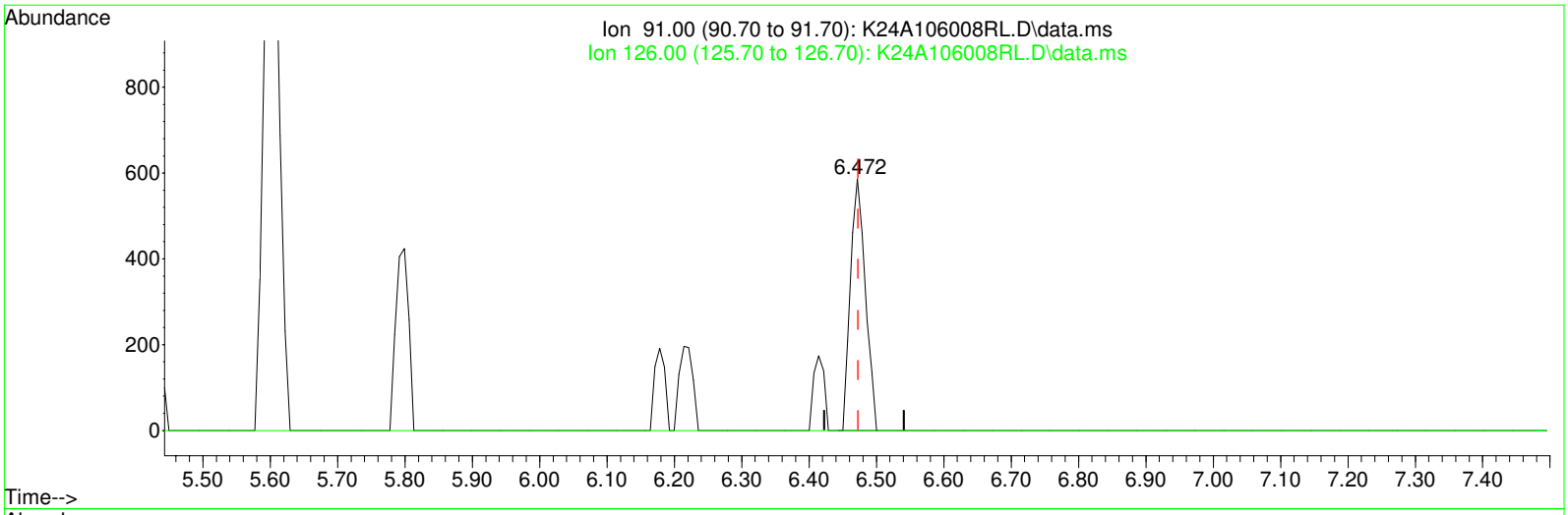
1,3-BUTADIENE

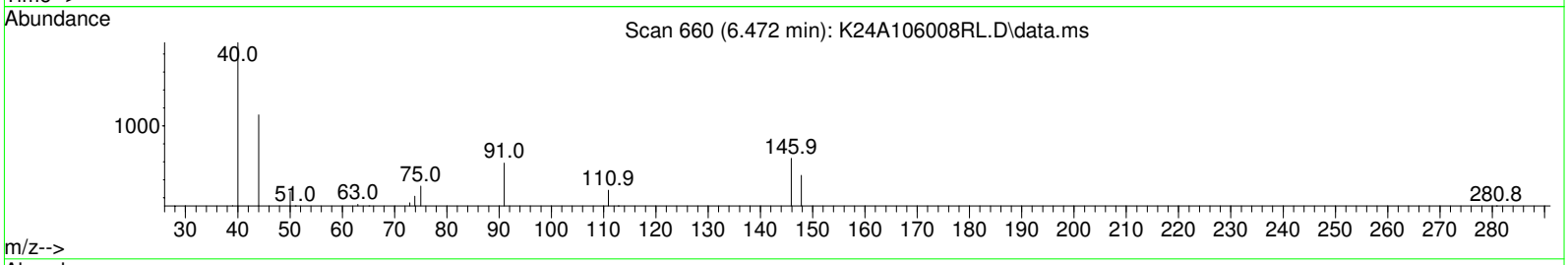


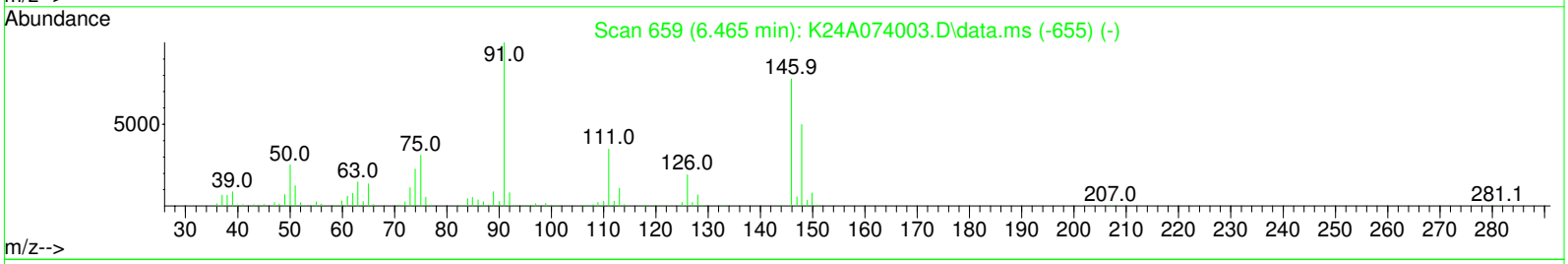
Response = 5.701e-001 * Amt + 3.318e-003
Coef of Det (r^2) = 0.998486 Curve Fit: wlr(1/a)
Method Name: D:\MassHunter\GCMS\1\methods\K041524SIM.M
Calibration Table Last Updated: Tue Apr 23 10:16:53 2024

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106008RL.D
Acq On : 15 Apr 2024 02:20 pm
Operator : CMR
Sample : 0.10PPBv STD Inst : SYSK
Misc : CTWS-4192-2465 05/12
ALS Vial : 2 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 14:05:47 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Fri Apr 19 14:01:24 2024
Response via : Initial Calibration







TIC: K24A106008RL.D\data.ms

(63) BENZYL CHLORIDE

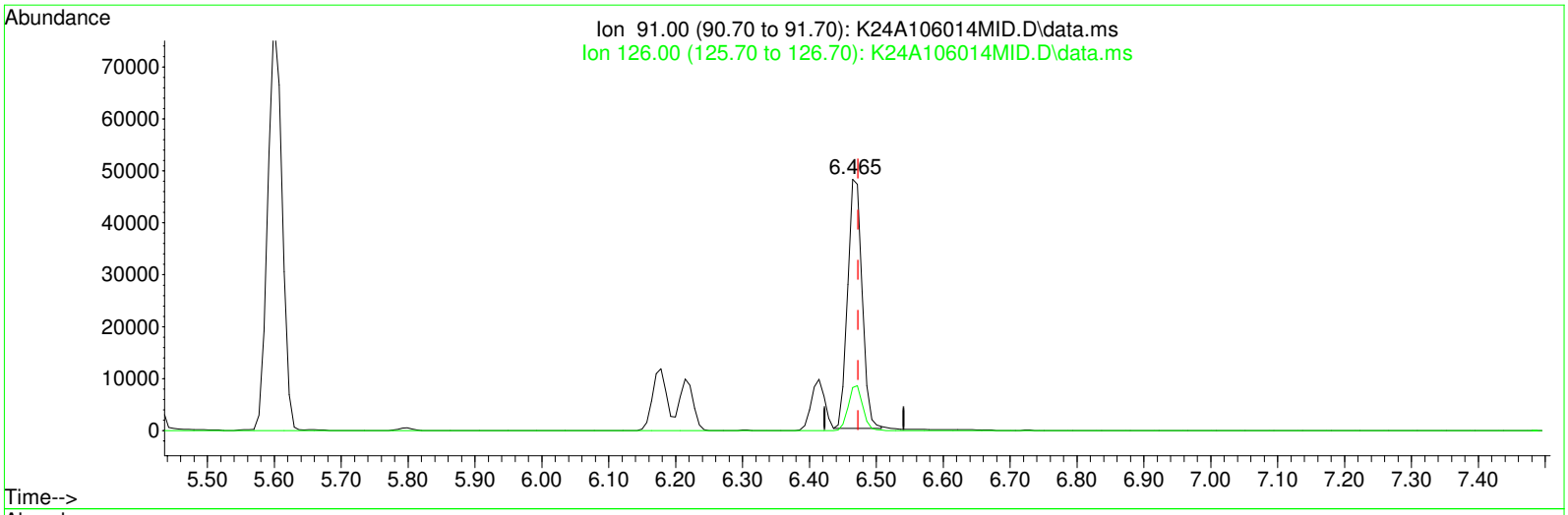
6.472min (-0.001) 0.108 PPBV

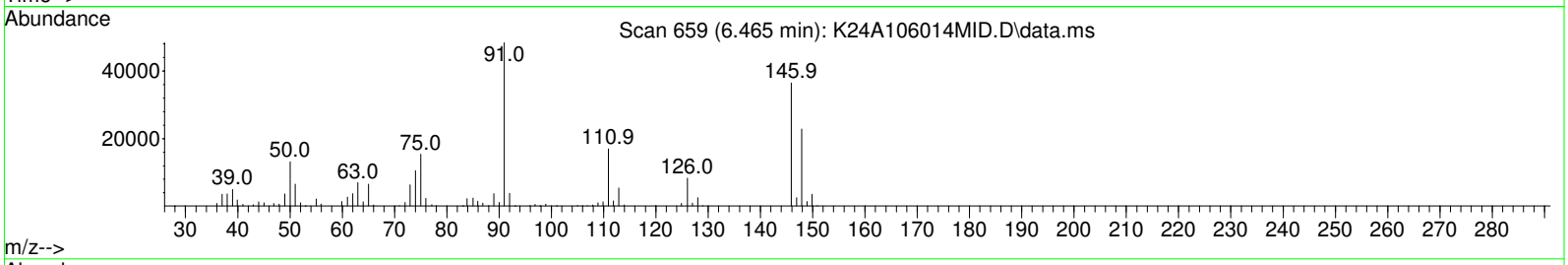
response 905

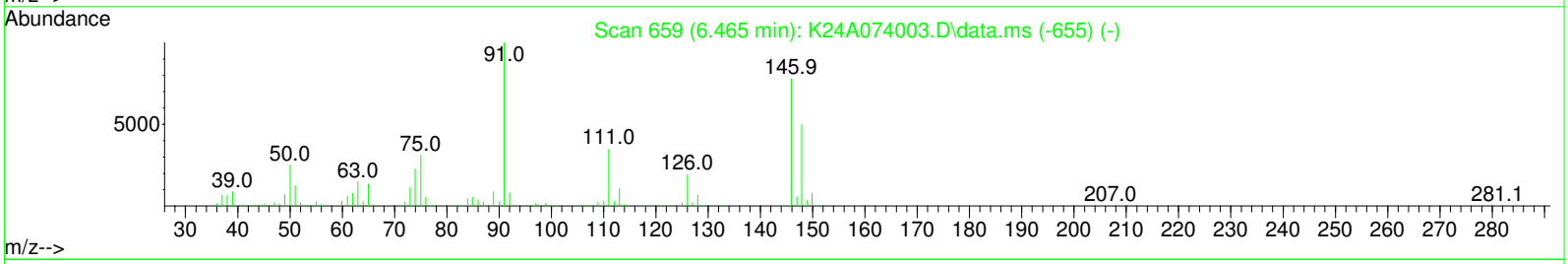
Ion	Exp%	Act%
91.00	100.00	100.00
126.00	17.90	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106014MID.D
Acq On : 15 Apr 2024 05:11 pm
Operator : CMR
Sample : 5.0PPBv STD Inst : SYSK
Misc : CTWS-4185-1069 05/03
ALS Vial : 3 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 09:10:52 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration







TIC: K24A106014MID.D\data.ms

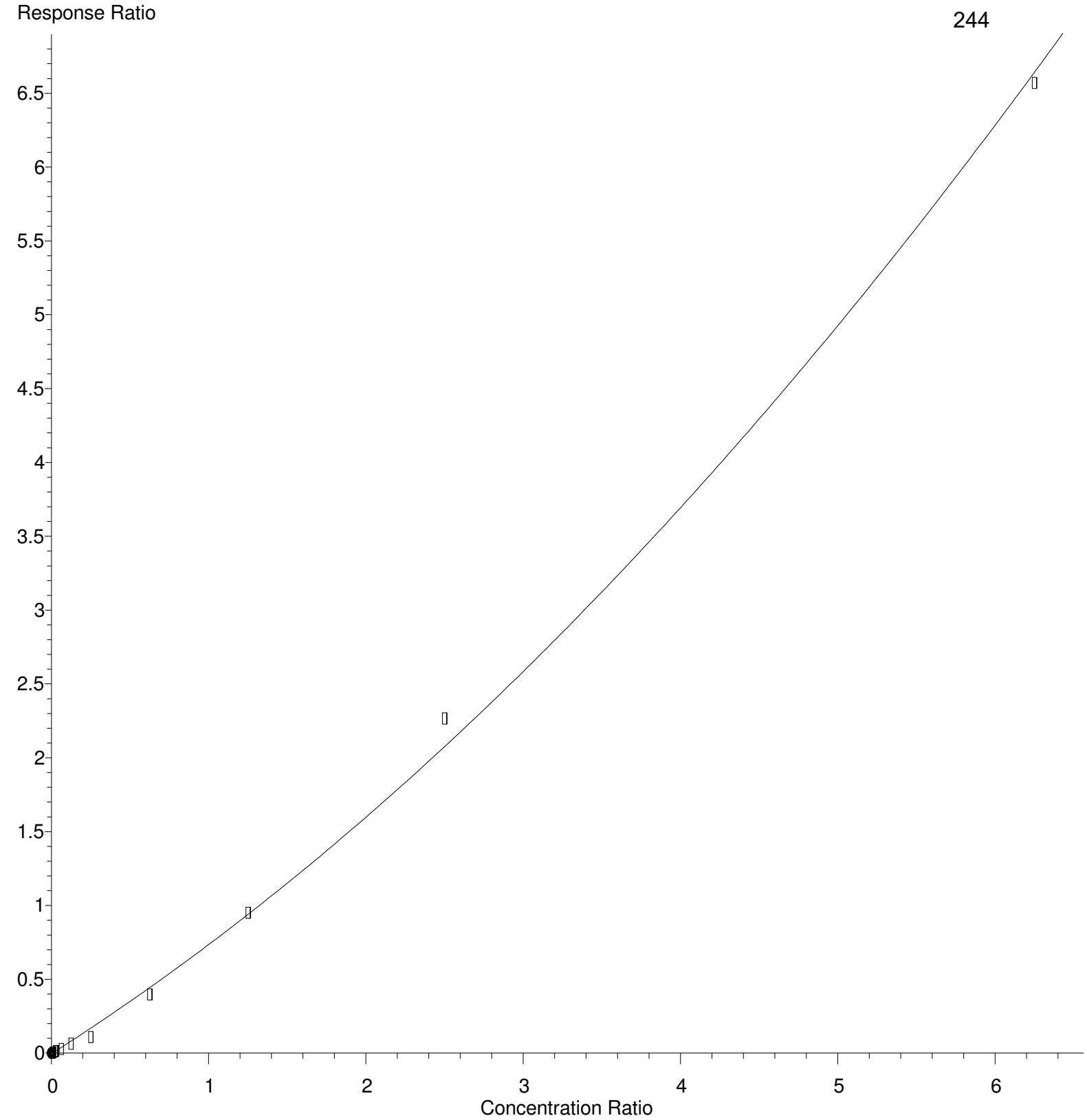
(63) BENZYL CHLORIDE

6.465min (-0.008) 3.979 PPBV

response 72398

Ion	Exp%	Act%
91.00	100.00	100.00
126.00	17.90	18.12
0.00	0.00	0.00
0.00	0.00	0.00

BENZYL CHLORIDE



R = 6.173e-002 A*A + 6.776e-001 A - 4.331e-003
Coef of Det (r^2) = 0.996025 Curve Fit: Quadratic w(1/a)
Method Name: D:\MassHunter\GCMS\1\methods\K041524SIM.M
Calibration Table Last Updated: Tue Apr 23 10:16:53 2024

Analytical Method: TO-15/TO-14
Instrument:

NON-CONFORMANCE FORM
ICAL Date: 04-15-24
Default Range: 0.01-0.05-50

Quant Method Name:K041524SIM.m
Element Sequence:S000000
Element Calibration:2400000

ICAL File Name:		Tune passes requirements and curve ran within 24 hour window
BCM:	1,4-DFB:	CB:

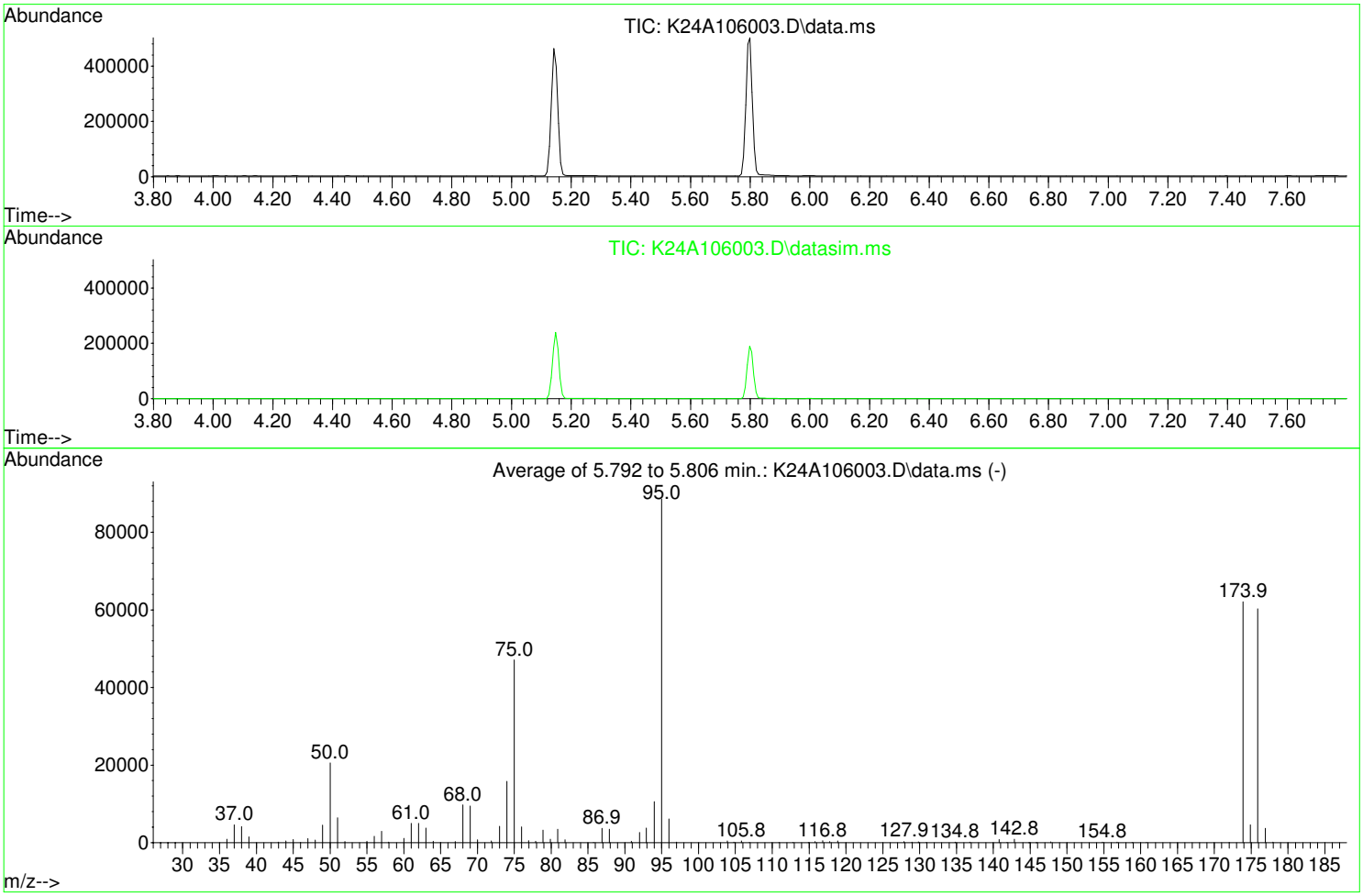
Initial Calibration Linear Compounds	Initial Calibration Compounds Out	Adjustments to Highest Standard in ICAL	Adjustment to RL in ICAL	MCP RL Check:70-130% (Level / %R) 60-140% Nap	ICV:
13Butadiene	NA	NA	Propene 0.50	13Butadiene 0.10	14Diox (H) 34.1%
			13But 0.10	Benzyl Chloride 0.10	124TCB (H) 37.6%
QUAD			Acrolien 0.25		Nap (H) 46.8%
			Acetone 0.50		
BC			Ethanol 0.50		
			MEK 0.10		
			VA 0.25		
			EA 0.10		
			14Dioxane 0.25		
			BC 0.10		

Initial Calibration Criteria	ICV Criteria
TO-15/CT RCP/NJ DKQ: RSD <30%, 2 out ≤40%	CT RCP: 80-120%, 20% can fail but must be 65-135%
MA MCP: RSD ≤30%, Nap ≤40%	MA MCP: 70-130%, difficult 50-150%
	Difficult:Hexachlorbutadiene, 1,2,4-Tricholorbenzene, Naphthalene, Acetone and 1,4-Dioxane
	Added Lab Defined Difficults: 1,2-Dichloro-1,1,2,2-tetrafluoroethane, MBK(2-Hexanone), Cyclohexane, Ethanol, Isopropanol & Propene

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106003.D
Acq On : 15 Apr 2024 11:56 am
Operator : CMR
Sample : BFB Inst : SYSK
Misc : CTIS-614-1800
ALS Vial : 1 Sample Multiplier: 1
InstName : SYSK

Integration File signal 1: SIM.P
Integration File signal 2: rteint2.p

Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Title : QUANT METHOD FOR TO-14/TO-15
Last Update : Tue Apr 23 10:16:53 2024



AutoFind: Scans 565, 566, 567; Background Corrected with Scan 559

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.3	20602	PASS
75	95	30	66	53.2	47115	PASS
95	95	100	100	100.0	88592	PASS
96	95	5	9	6.9	6115	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	70.1	62059	PASS
175	174	5	9	7.5	4625	PASS
176	174	95	101	97.1	60280	PASS
177	176	5	9	6.2	3745	PASS

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106004.D
Acq On : 15 Apr 2024 12:25 pm
Operator : CMR
Sample : 0.010PPBv STD Inst : SYSK
Misc : CTWS-4193-2482 05/13
ALS Vial : 1 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 09:10:22 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

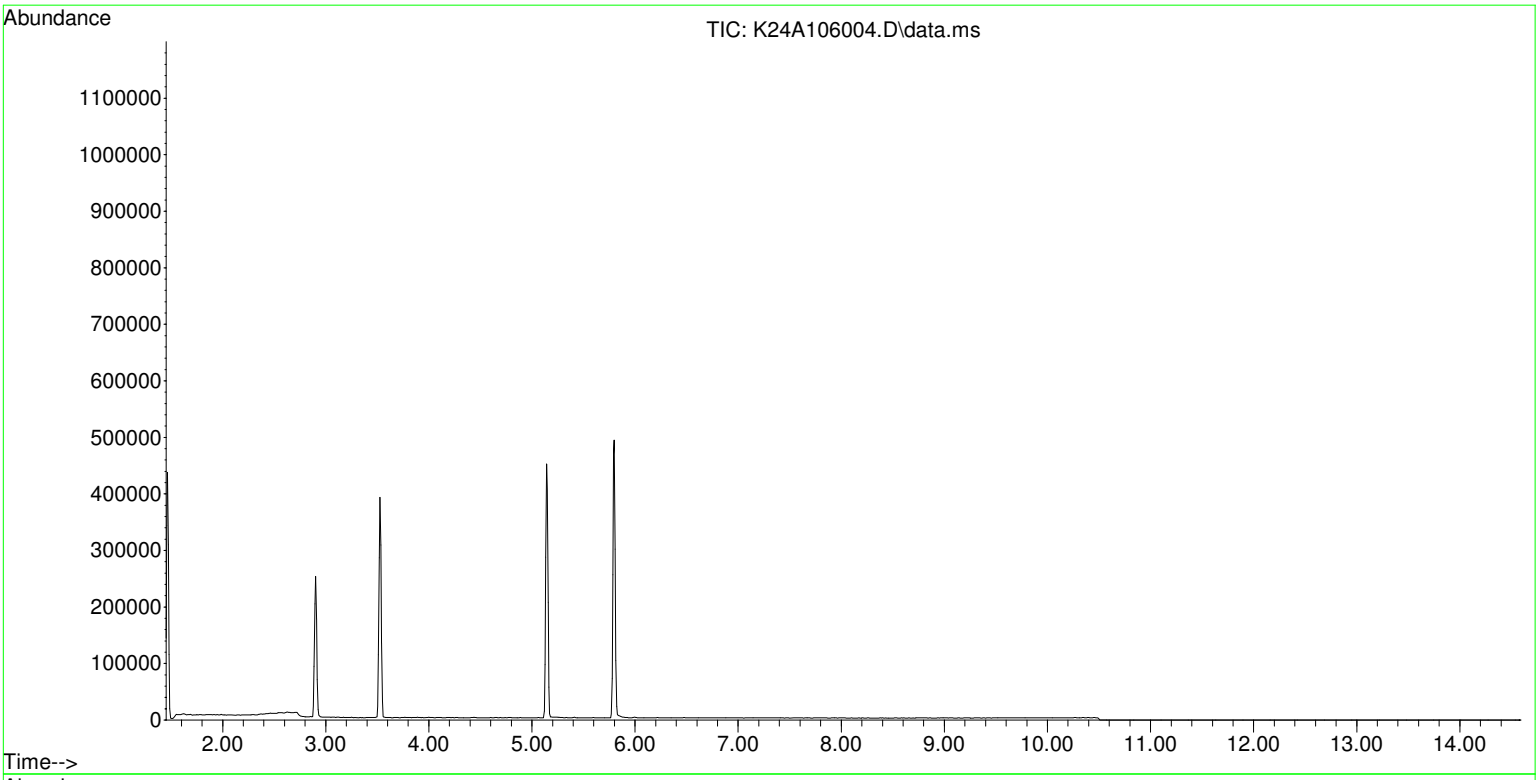
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	0.000	49	0m	8.000	PPBV	-2.90
30) 1,4-DIFLUOROBENZENE (1)	0.000	114	0m	8.000	PPBV	-3.53
44) CHLOROBENZENE-D5 (1)	0.000	117	0m	8.000	PPBV	-5.14
69) BROMOCHLOROMETHANE (1)...	2.908	49	105785	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.532	114	240673	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.147	117	212382	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	0.000	174	0d	0.000	PPBV	
Spiked Amount 8.00	Range 70 - 130		Recovery = 0.00%#			
88) 4-BROMOFLUOROBENZENE (...	5.798	174	109914	6.585	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 82.38%			
Target Compounds						Qvalue
70] VINYL CHLORIDE (SIM)	1.657	62	160	0.020	PPBV	97
71] 1,1-DICHLOROETHENE (SIM)	2.250	61	249	0.014	PPBV	80
72] TRANS-1,2-DICHLOROETHE...	2.568	61	226	0.016	PPBV	82
73] 1,1-DICHLOROETHANE (SIM)	2.621	63	308	0.019	PPBV	98
74] CIS-1,2-DICHLOROETHENE...	2.855	61	208	0.016	PPBV	98
75] CHLOROFORM (SIM)	2.946	83	647	0.029	PPBV	79
76] 1,2-DICHLOROETHANE (SIM)	3.170	62	215	0.012	PPBV	97
78] CARBON TETRACHLORIDE (...	3.457	117	214	0.011	PPBV	95
79] 1,2-DICHLOROPROPANE (SIM)	3.680	63	155	0.022	PPBV	94
80] BROMODICHLOROMETHANE (...	3.752	83	299	0.017	PPBV	93
81] TRICHLOROETHENE (SIM)	3.766	95	165	0.017	PPBV	95
82] CIS-1,3-DICHLOROPROPEN...	4.084	75	203	0.017	PPBV	87
83] TRANS-1,3-DICHLOROPROP...	4.285	75	164	0.015	PPBV	98
85] 1,1,2-TRICHLOROETHANE ...	4.343	97	152	0.021	PPBV	98
86] 1,2-DIBROMOETHANE (SIM)	4.695	107	203	0.017	PPBV	96
87] 1,1,2,2-TETRACHLOROETH...	5.597	83	289	0.019	PPBV	98
89] NAPHTHALENE (SIM)	7.738	128	249	0.008	PPBV	95

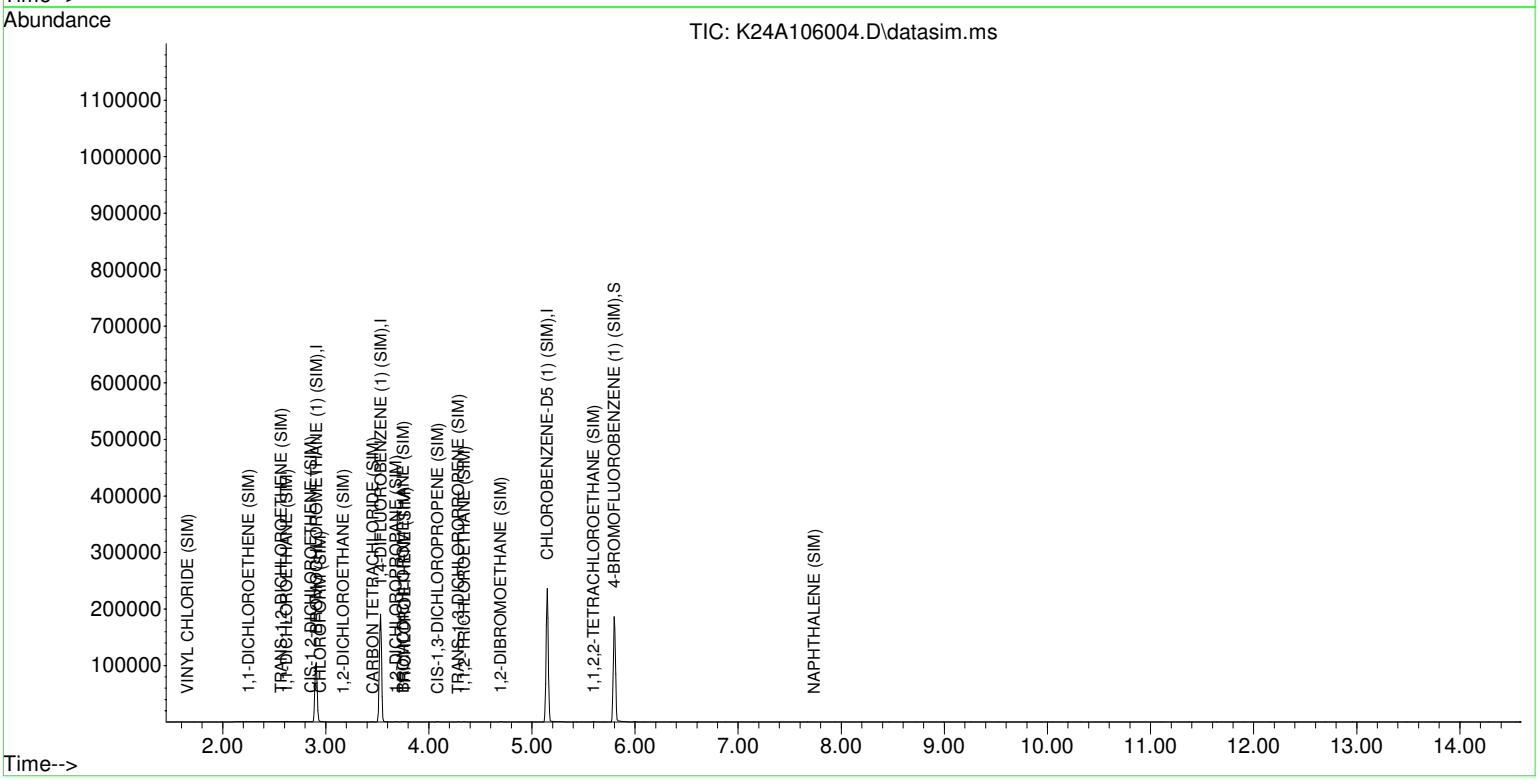
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K041524\

Data File : K24A106004.D
Acq On : 15 Apr 2024 12:25 pm
Operator : CMR
Sample : 0.010PPBv STD Inst : SYSK
Misc : CTWS-4193-2482 05/13
ALS Vial : 1 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 09:10:22 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

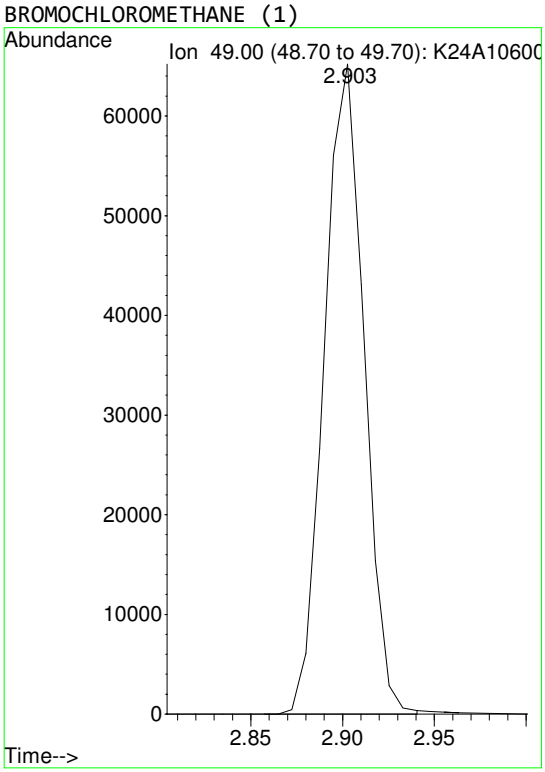




Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106004.D
Acq On : 15 Apr 2024 12:25 pm
Operator : CMR
Sample : 0.010PPBv STD
Misc : CTWS-4193-2482 05/13

Quant Time : Fri Apr 19 12:55:45 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
BROMOCHLOROMETHANE (1)



Original Int. Results

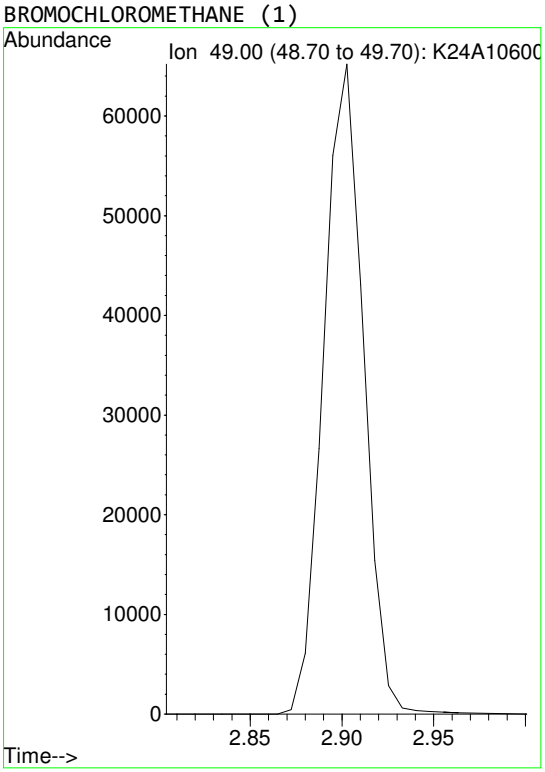
RT : 2.90
Area : 98397
Amount: 8

Manual Int. Results

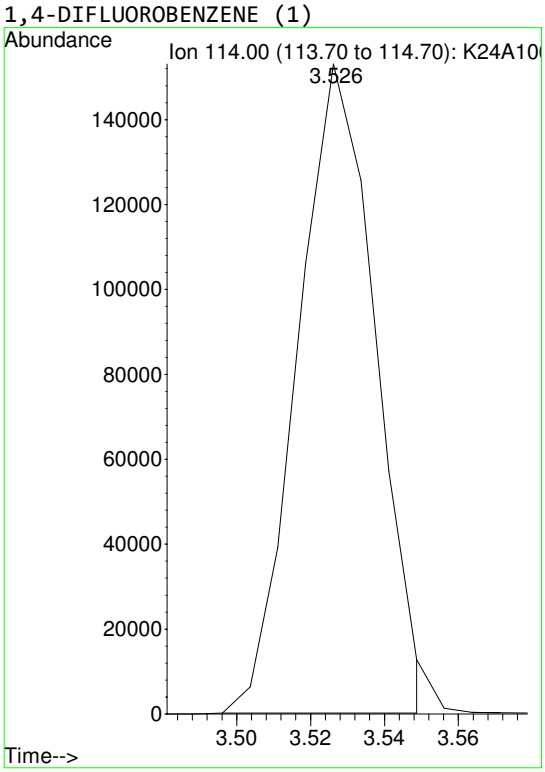
Fri Apr 19 12:55:45 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 8

Manual Integration
BROMOCHLOROMETHANE (1)



Original Integration
1,4-DIFLUOROBENZENE (1)



Original Int. Results

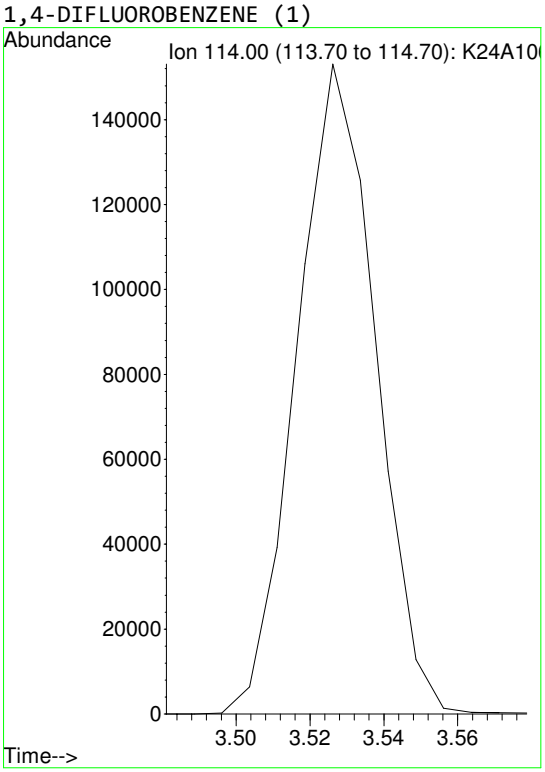
RT : 3.53
Area : 224513
Amount: 8

Manual Int. Results

Fri Apr 19 12:55:14 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 8

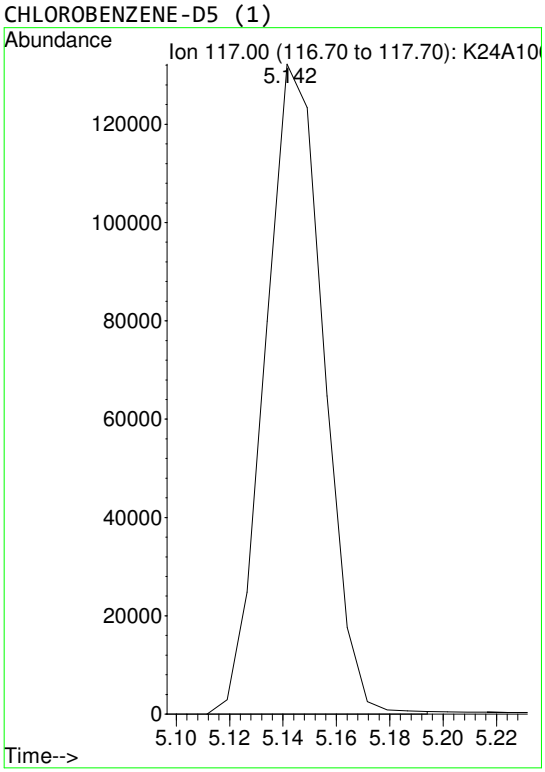
Manual Integration
1,4-DIFLUOROBENZENE (1)



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106004.D
Acq On : 15 Apr 2024 12:25 pm
Operator : CMR
Sample : 0.010PPBv STD
Misc : CTWS-4193-2482 05/13

Quant Time : Fri Apr 19 12:55:45 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
CHLOROBENZENE-D5 (1)



Original Int. Results

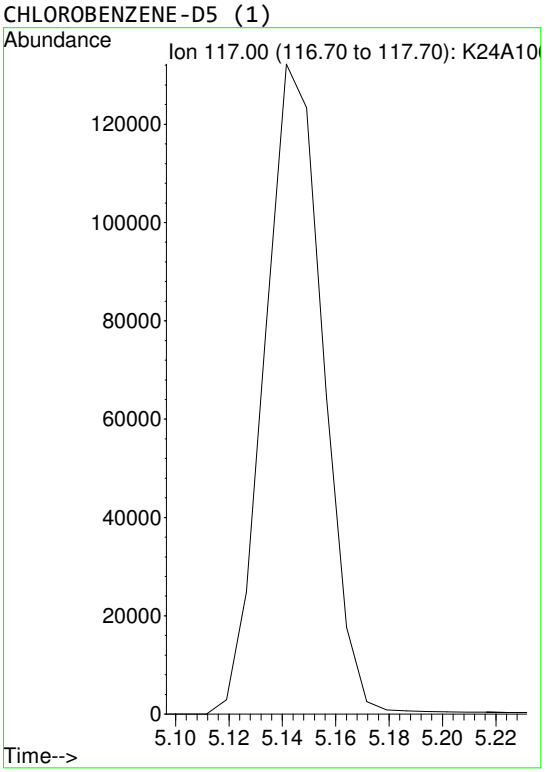
RT : 5.14
Area : 202664
Amount: 8

Manual Int. Results

Fri Apr 19 12:55:02 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 8

Manual Integration
CHLOROBENZENE-D5 (1)



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106005.D
Acq On : 15 Apr 2024 12:53 pm
Operator : CMR
Sample : 0.020PPBv STD Inst : SYSK
Misc : CTWS-4193-2482 05/13
ALS Vial : 1 Sample Multiplier: 1
InstName : SYSK

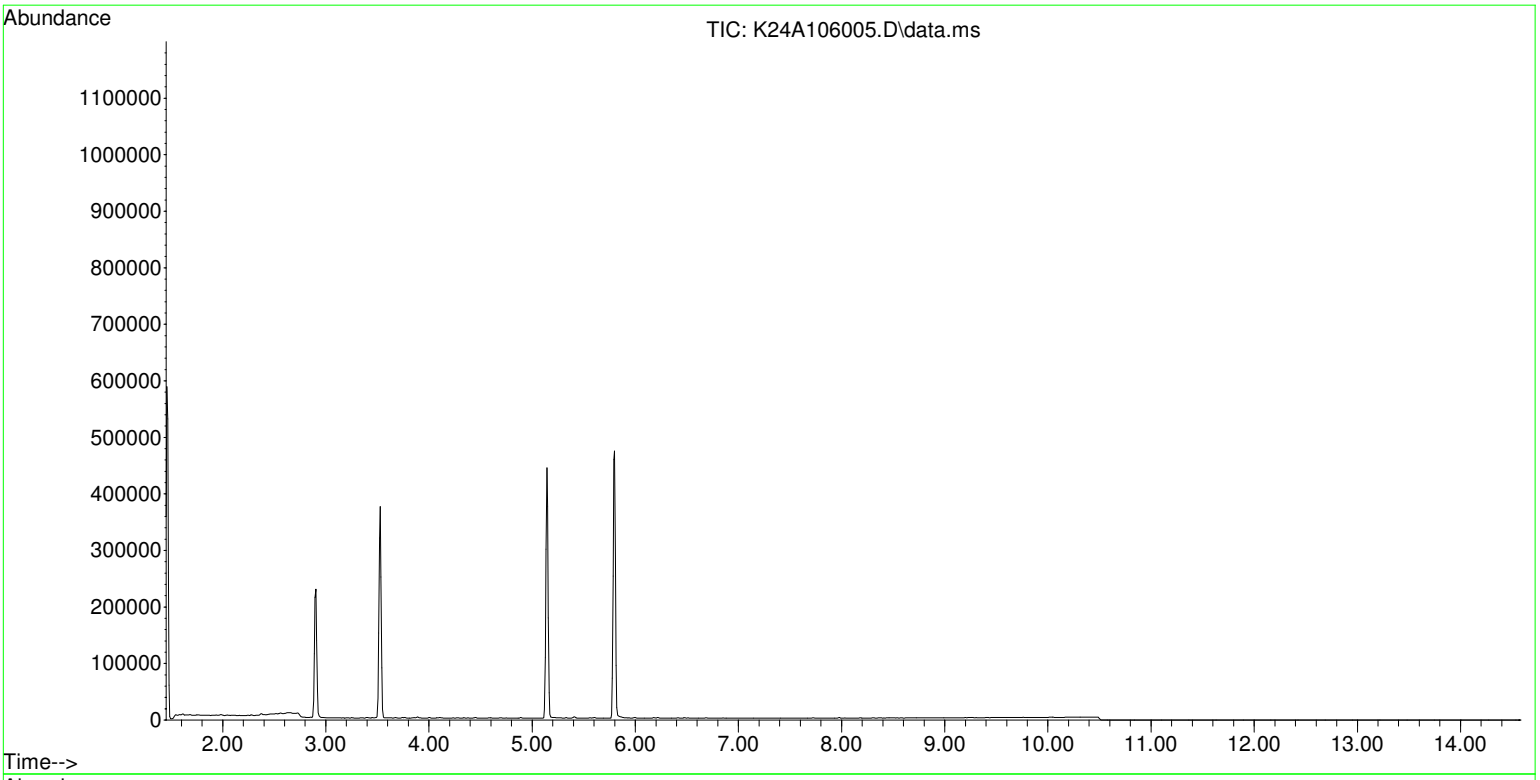
Quant Time: Apr 19 09:10:25 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

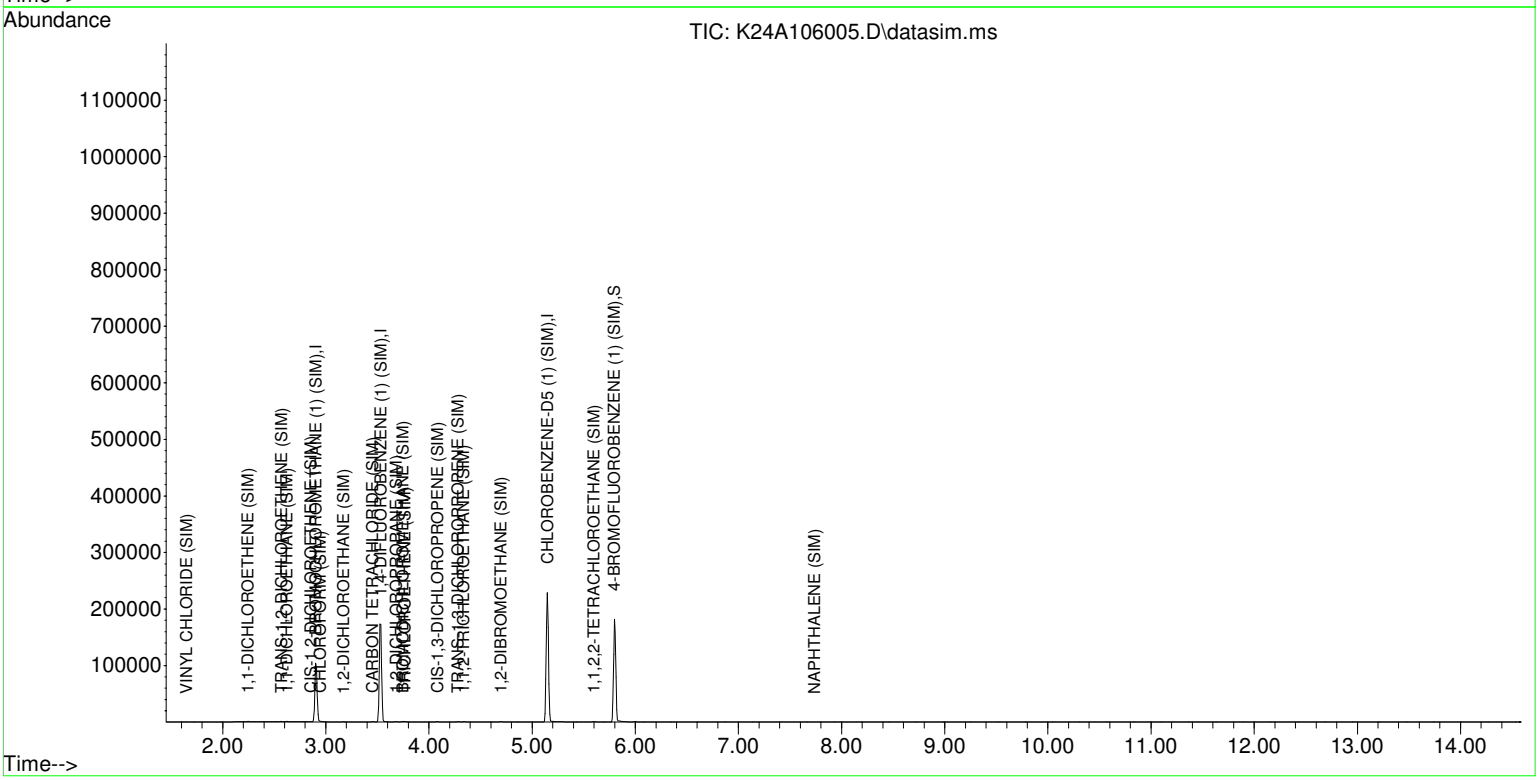
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	0.000	49	0m	8.000	PPBV	-2.90
30) 1,4-DIFLUOROBENZENE (1)	0.000	114	0m	8.000	PPBV	-3.53
44) CHLOROBENZENE-D5 (1)	0.000	117	0m	8.000	PPBV	-5.14
69) BROMOCHLOROMETHANE (1)...	2.902	49	102506	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.533	114	231037	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.148	117	205819	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	0.000	174	0d	0.000	PPBV	
Spiked Amount 8.00	Range 70 - 130		Recovery = 0.00%#			
88) 4-BROMOFLUOROBENZENE (...	5.798	174	106634	6.593	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 82.38%			
Target Compounds						Qvalue
70] VINYL CHLORIDE (SIM)	1.650	62	303	0.039	PPBV	98
71] 1,1-DICHLOROETHENE (SIM)	2.244	61	505	0.030	PPBV	96
72] TRANS-1,2-DICHLOROETHE...	2.569	61	477	0.036	PPBV	96
73] 1,1-DICHLOROETHANE (SIM)	2.622	63	580	0.037	PPBV	97
74] CIS-1,2-DICHLOROETHENE...	2.856	61	391	0.030	PPBV	96
75] CHLOROFORM (SIM)	2.947	83	535	0.025	PPBV	99
76] 1,2-DICHLOROETHANE (SIM)	3.172	62	419	0.024	PPBV	96
78] CARBON TETRACHLORIDE (...	3.451	117	427	0.022	PPBV	100
79] 1,2-DICHLOROPROPANE (SIM)	3.681	63	308	0.046	PPBV	100
80] BROMODICHLOROMETHANE (...	3.746	83	557	0.033	PPBV	97
81] TRICHLOROETHENE (SIM)	3.768	95	328	0.036	PPBV	97
82] CIS-1,3-DICHLOROPROPEN...	4.085	75	429	0.037	PPBV	99
83] TRANS-1,3-DICHLOROPROP...	4.280	75	303	0.030	PPBV	99
85] 1,1,2-TRICHLOROETHANE ...	4.337	97	275	0.039	PPBV	97
86] 1,2-DIBROMOETHANE (SIM)	4.697	107	395	0.034	PPBV	100
87] 1,1,2,2-TETRACHLOROETH...	5.598	83	582	0.039	PPBV	100
89] NAPHTHALENE (SIM)	7.738	128	517	0.018	PPBV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106005.D
Acq On : 15 Apr 2024 12:53 pm
Operator : CMR
Sample : 0.020PPBv STD Inst : SYSK
Misc : CTWS-4193-2482 05/13
ALS Vial : 1 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 09:10:25 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

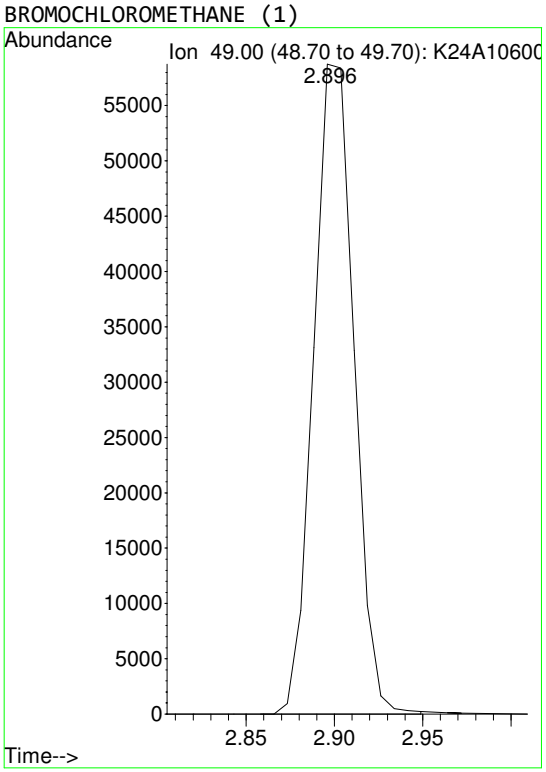




Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106005.D
Acq On : 15 Apr 2024 12:53 pm
Operator : CMR
Sample : 0.020PPBv STD
Misc : CTWS-4193-2482 05/13

Quant Time : Fri Apr 19 12:54:14 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
BROMOCHLOROMETHANE (1)



Original Int. Results

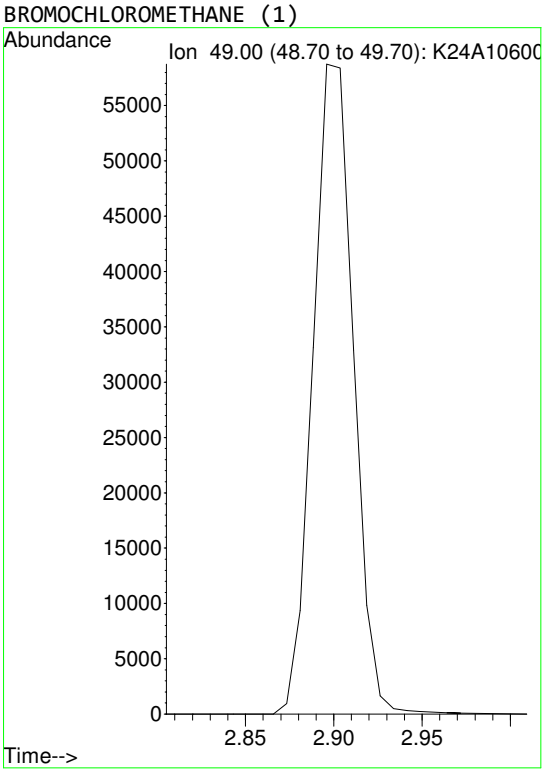
RT : 2.90
Area : 93513
Amount: 8

Manual Int. Results

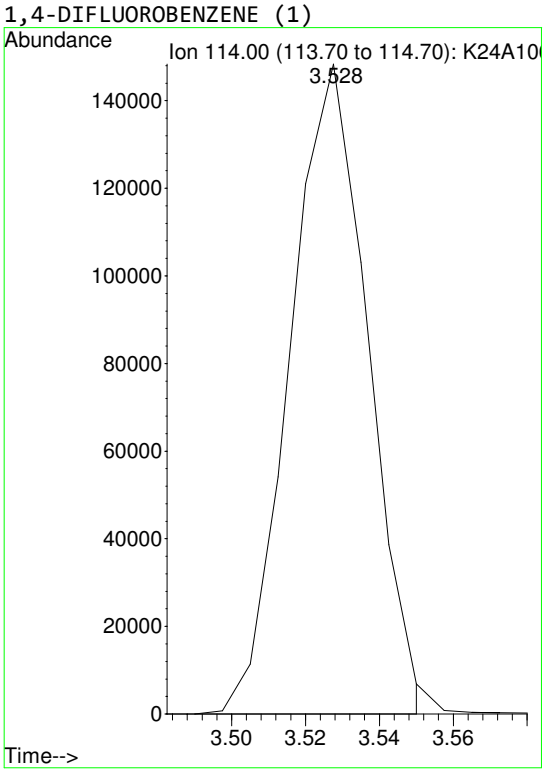
Fri Apr 19 12:54:13 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 8

Manual Integration
BROMOCHLOROMETHANE (1)



Original Integration
1,4-DIFLUOROBENZENE (1)



Original Int. Results

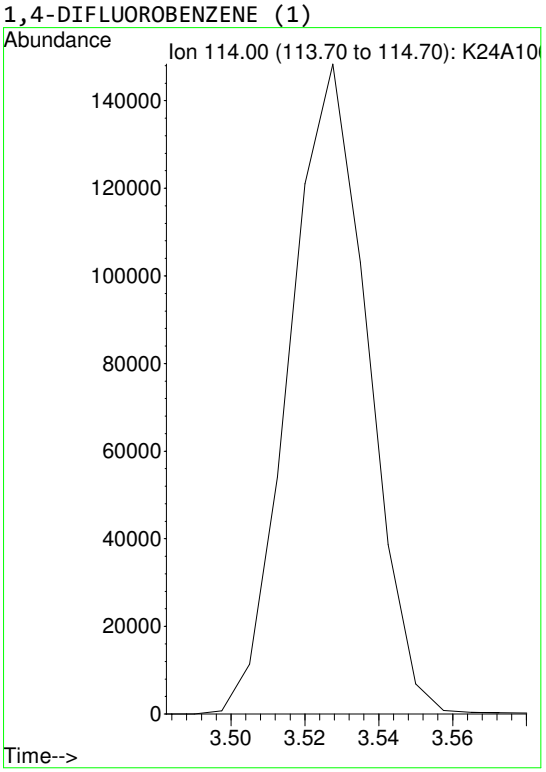
RT : 3.53
Area : 217972
Amount: 8

Manual Int. Results

Fri Apr 19 12:53:48 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 8

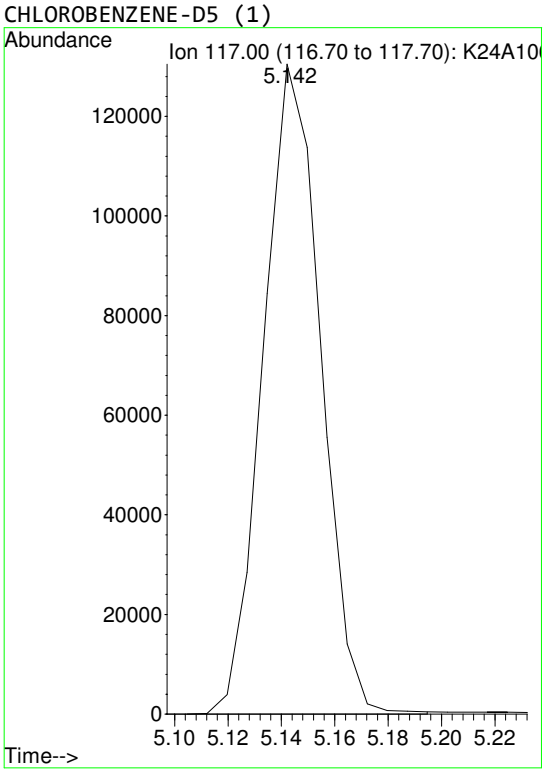
Manual Integration
1,4-DIFLUOROBENZENE (1)



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106005.D
Acq On : 15 Apr 2024 12:53 pm
Operator : CMR
Sample : 0.020PPBv STD
Misc : CTWS-4193-2482 05/13

Quant Time : Fri Apr 19 12:54:14 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
CHLOROBENZENE-D5 (1)



Original Int. Results

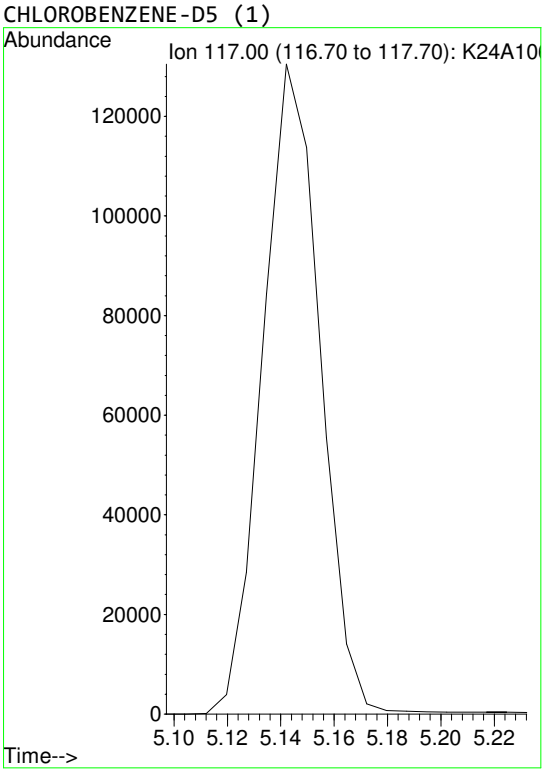
RT : 5.14
Area : 195675
Amount: 8

Manual Int. Results

Fri Apr 19 12:53:32 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 8

Manual Integration
CHLOROBENZENE-D5 (1)



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106006.D
Acq On : 15 Apr 2024 01:22 pm
Operator : CMR
Sample : 0.025PPBv STD Inst : SYSK
Misc : CTWS-4193-2482 05/13
ALS Vial : 1 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 09:10:28 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.896	49	94445	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.527	114	217702	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.142	117	194535	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.902	49	102723	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.533	114	231208	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.148	117	204667	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.799	174	100690	6.171	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 77.13%			
88) 4-BROMOFLUOROBENZENE (...	5.798	174	106820	6.641	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 83.00%			
Target Compounds						Qvalue
6) VINYL CHLORIDE	1.651	62	336	0.046	PPBV #	43
14) 1,1-DICHLOROETHENE	2.245	61	579	0.038	PPBV	98
18) TRANS-1,2-DICHLOROETHENE	2.563	61	555	0.044	PPBV	73
19) 1,1-DICHLOROETHANE	2.616	63	845	0.060	PPBV #	70
23) CIS-1,2-DICHLOROETHENE	2.851	61	430	0.036	PPBV	90
27) CHLOROFORM	2.941	83	631	0.034	PPBV	88
29) 1,2-DICHLOROETHANE	3.166	62	412	0.026	PPBV #	78
31) 1,1,1-TRICHLOROETHANE	3.252	97	556	0.030	PPBV	90
35) 1,2-DICHLOROPROPANE	3.682	63	366	0.055	PPBV	81
36) BROMODICHLOROMETHANE	3.747	83	697	0.042	PPBV #	89
37) TRICHLOROETHENE	3.762	95	351	0.039	PPBV	88
42) CIS-1,3-DICHLOROPROPENE	4.079	75	484	0.045	PPBV #	58
43) TRANS-1,3-DICHLOROPROPENE	4.281	75	231	0.024	PPBV #	55
45) 1,1,2-TRICHLOROETHANE	4.338	97	254	0.036	PPBV	82
48) DIBROMOCHLOROMETHANE	4.597	129	461	0.028	PPBV	97
49) 1,2-DIBROMOETHANE	4.698	107	432	0.036	PPBV	85
50) TETRACHLOROETHENE	4.892	166	309	0.026	PPBV	89
51) CHLOROBENZENE	5.165	112	826	0.047	PPBV #	1
57) 1,1,2,2-TETRACHLOROETHANE	5.592	83	719	0.053	PPBV #	93
67) NAPHTHALENE	7.732	128	404	0.015	PPBV #	74
70] VINYL CHLORIDE (SIM)	1.657	62	385	0.049	PPBV	96
71] 1,1-DICHLOROETHENE (SIM)	2.251	61	619	0.036	PPBV	97
72] TRANS-1,2-DICHLOROETHE...	2.569	61	574	0.043	PPBV	96
73] 1,1-DICHLOROETHANE (SIM)	2.622	63	713	0.046	PPBV	97
74] CIS-1,2-DICHLOROETHENE...	2.856	61	472	0.036	PPBV	98
75] CHLOROFORM (SIM)	2.947	83	650	0.030	PPBV	99
76] 1,2-DICHLOROETHANE (SIM)	3.172	62	521	0.030	PPBV	100
78] CARBON TETRACHLORIDE (...	3.451	117	525	0.027	PPBV	97
79] 1,2-DICHLOROPROPANE (SIM)	3.681	63	385	0.057	PPBV	99
80] BROMODICHLOROMETHANE (...	3.746	83	679	0.040	PPBV	100
81] TRICHLOROETHENE (SIM)	3.768	95	407	0.045	PPBV	100
82] CIS-1,3-DICHLOROPROPEN...	4.085	75	522	0.045	PPBV	92
83] TRANS-1,3-DICHLOROPROP...	4.279	75	389	0.038	PPBV	98
85] 1,1,2-TRICHLOROETHANE ...	4.344	97	353	0.050	PPBV	95
86] 1,2-DIBROMOETHANE (SIM)	4.697	107	505	0.044	PPBV	100
87] 1,1,2,2-TETRACHLOROETH...	5.598	83	719	0.049	PPBV	98
89] NAPHTHALENE (SIM)	7.738	128	620	0.022	PPBV	100

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106006.D
Acq On : 15 Apr 2024 01:22 pm
Operator : CMR
Sample : 0.025PPBv STD Inst : SYSK
Misc : CTWS-4193-2482 05/13
ALS Vial : 1 Sample Multiplier: 1
InstName : SYSK

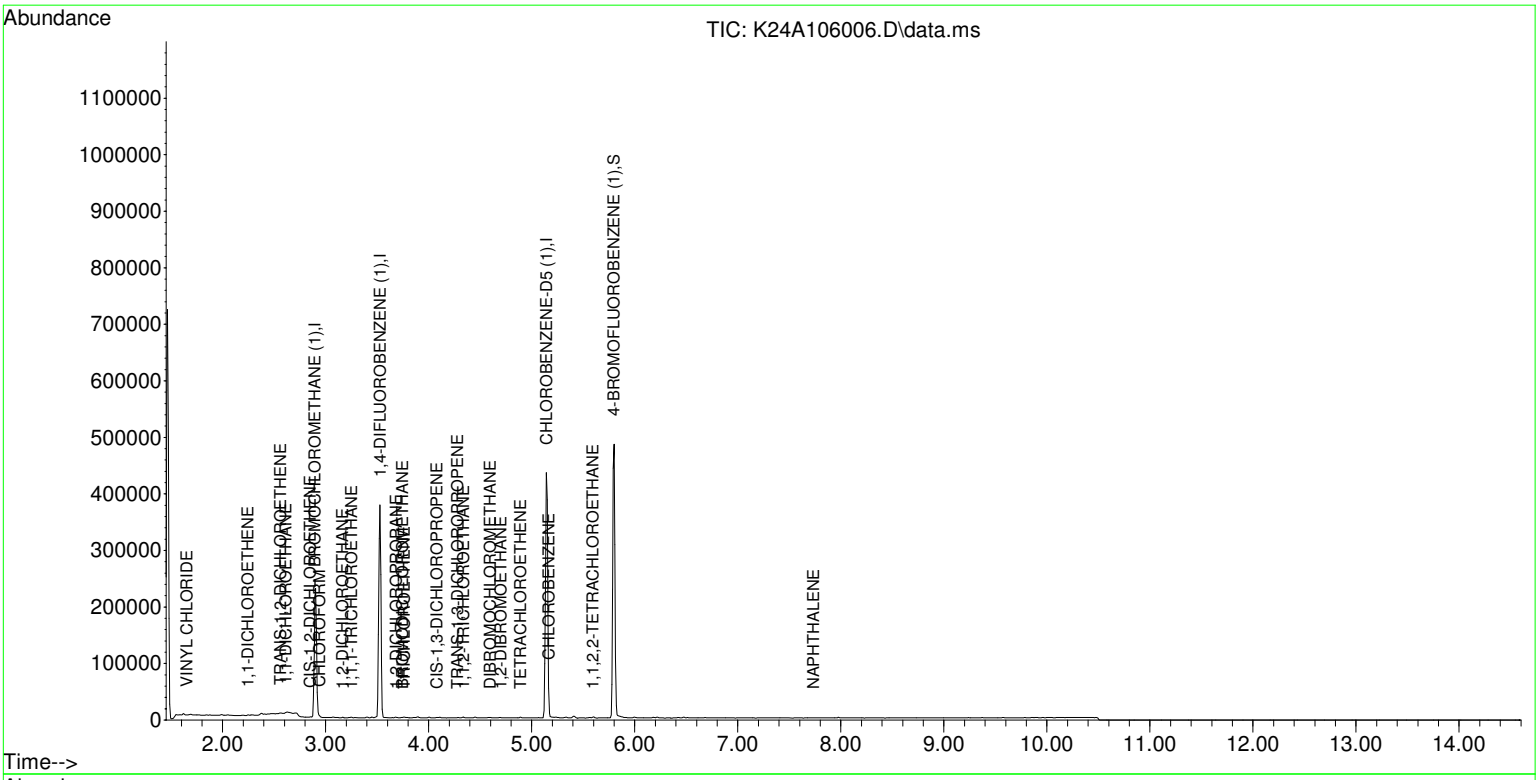
Quant Time: Apr 19 09:10:28 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

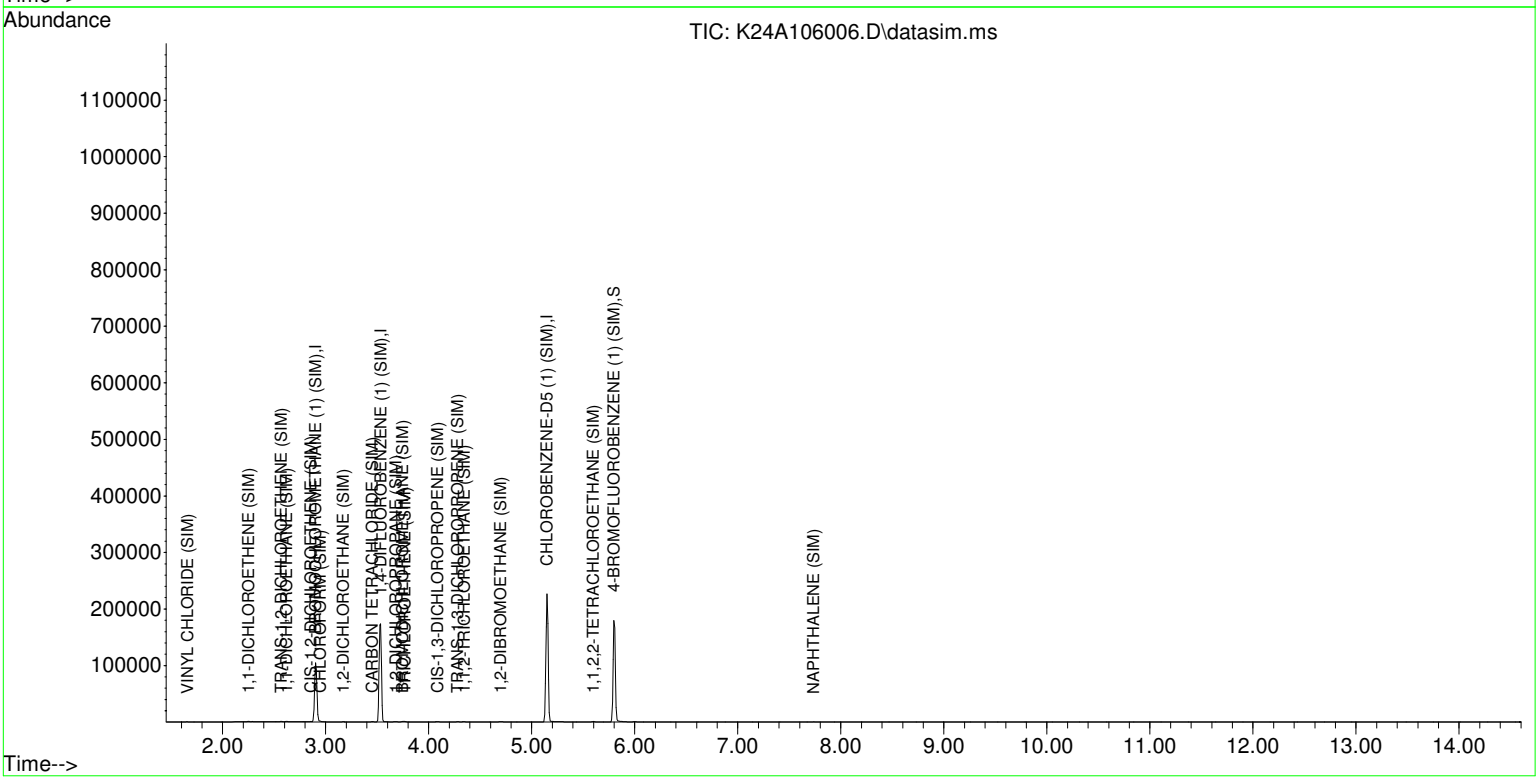
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106006.D
Acq On : 15 Apr 2024 01:22 pm
Operator : CMR
Sample : 0.025PPBv STD Inst : SYSK
Misc : CTWS-4193-2482 05/13
ALS Vial : 1 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 09:10:28 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

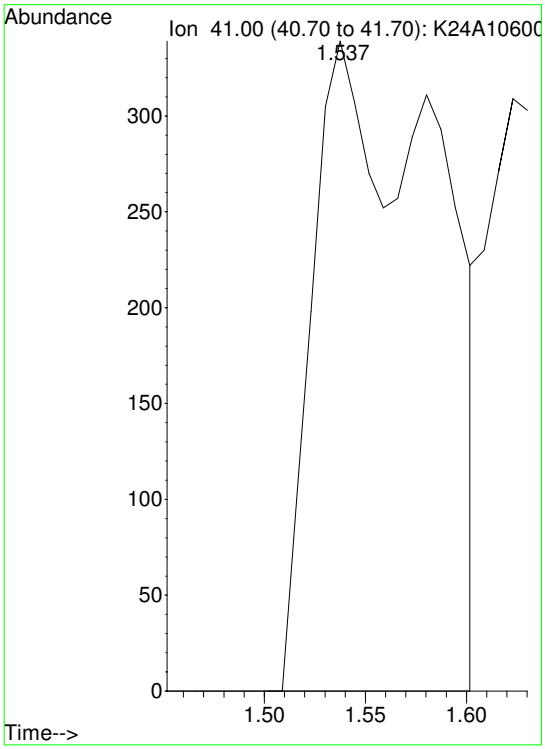




Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106006.D
Acq On : 15 Apr 2024 01:22 pm
Operator : CMR
Sample : 0.025PPBv STD
Misc : CTWS-4193-2482 05/13

Quant Time : Fri Apr 19 12:52:07 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
PROPENE



Original Int. Results

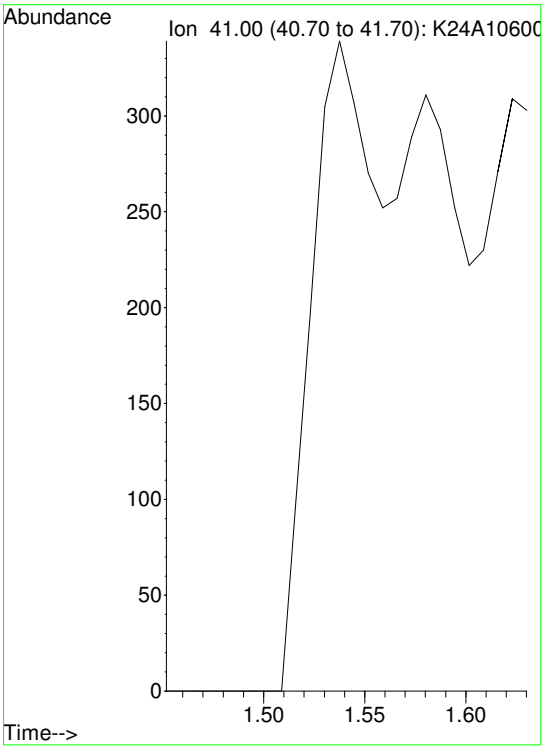
RT : 1.54
Area : 1452
Amount: 0.265612

Manual Int. Results

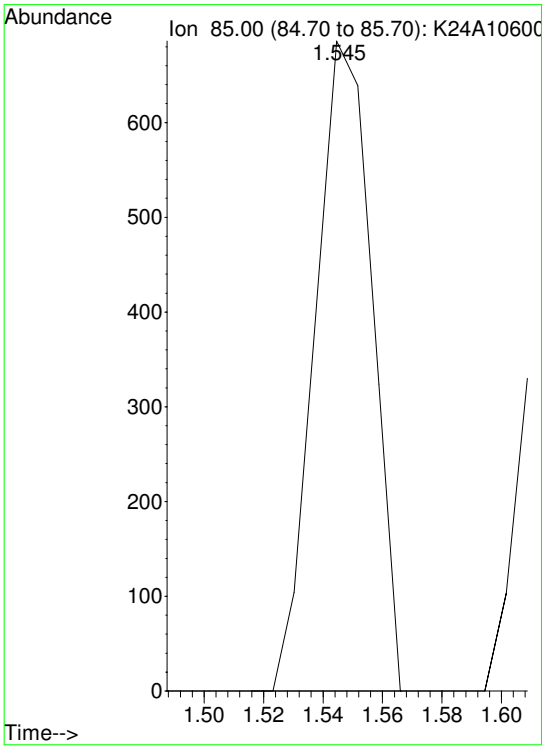
Fri Apr 19 12:52:07 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
DICHLORODIFLUOROMETHANE



Original Int. Results

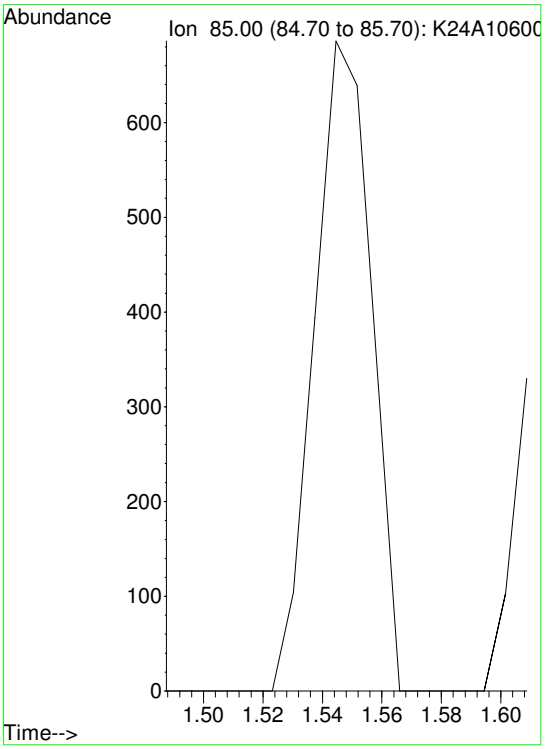
RT : 1.54
Area : 918
Amount: 0.0346437

Manual Int. Results

Fri Apr 19 12:52:06 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

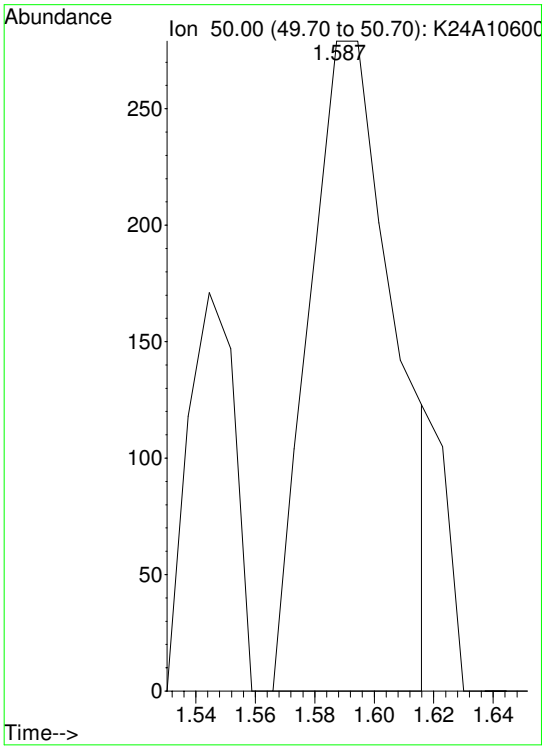
Manual Integration
DICHLORODIFLUOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106006.D
Acq On : 15 Apr 2024 01:22 pm
Operator : CMR
Sample : 0.025PPBv STD
Misc : CTWS-4193-2482 05/13

Quant Time : Fri Apr 19 12:52:07 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
CHLOROMETHANE



Original Int. Results

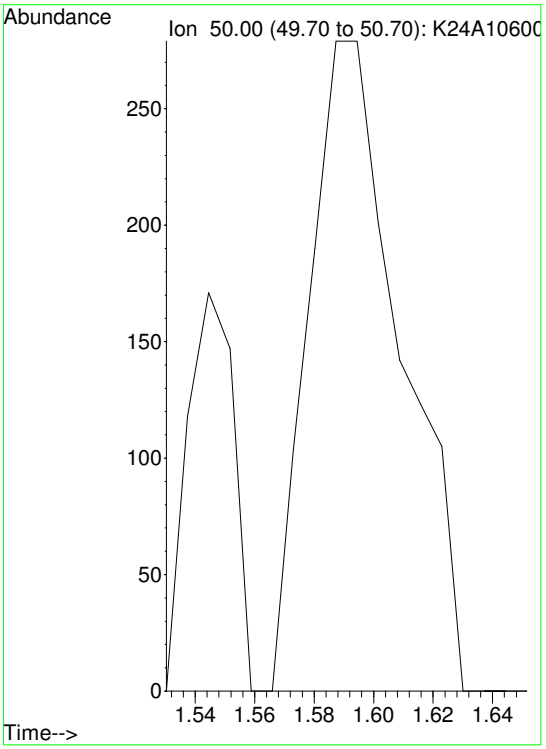
RT : 1.59
Area : 564
Amount: 0.0927894

Manual Int. Results

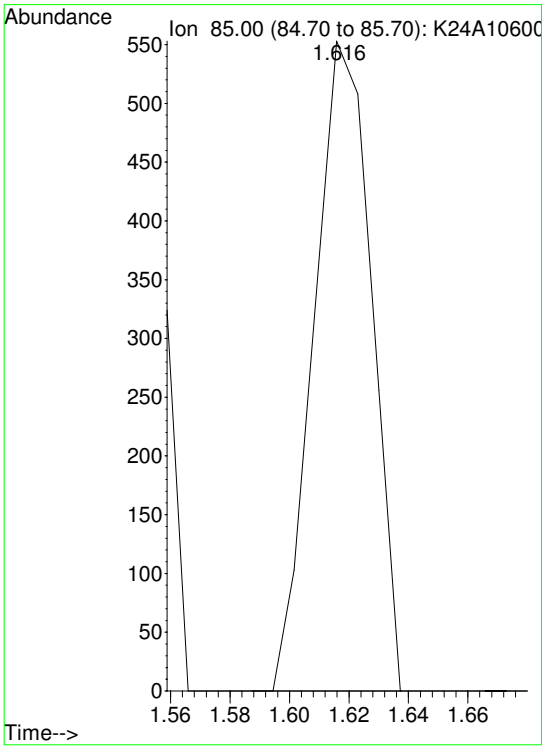
Fri Apr 19 12:51:58 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROMETHANE



Original Integration
FREON 114



Original Int. Results

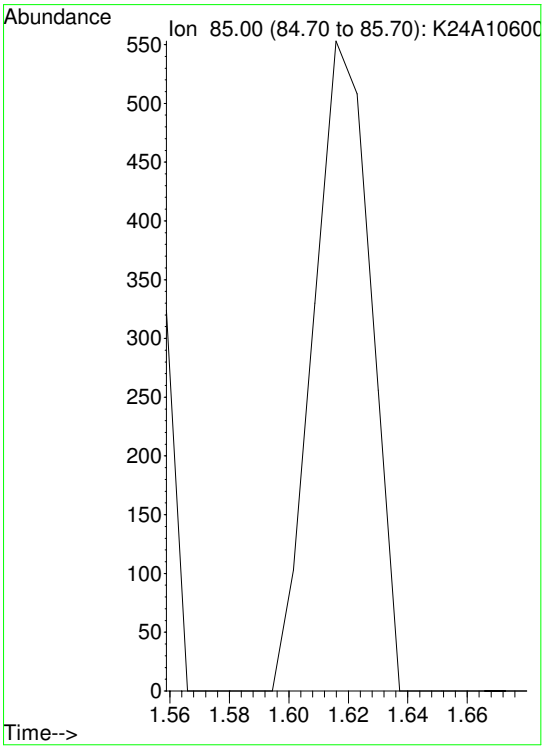
RT : 1.62
Area : 749
Amount: 0.0364558

Manual Int. Results

Fri Apr 19 12:51:57 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

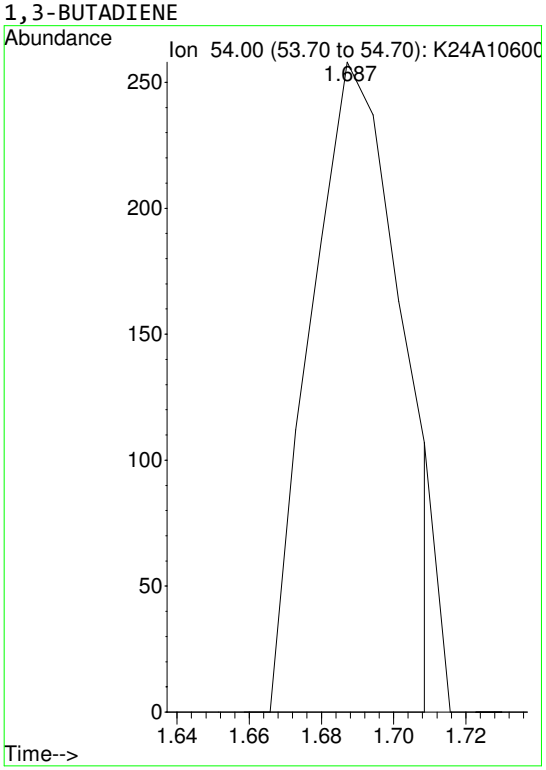
Manual Integration
FREON 114



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106006.D
Acq On : 15 Apr 2024 01:22 pm
Operator : CMR
Sample : 0.025PPBv STD
Misc : CTWS-4193-2482 05/13

Quant Time : Fri Apr 19 12:52:07 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
1,3-BUTADIENE



Original Int. Results

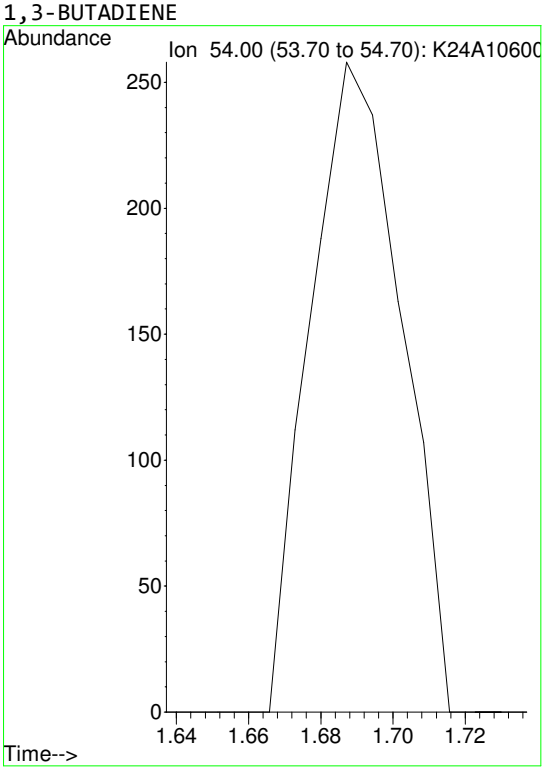
RT : 1.69
Area : 456
Amount: 0.0412062

Manual Int. Results

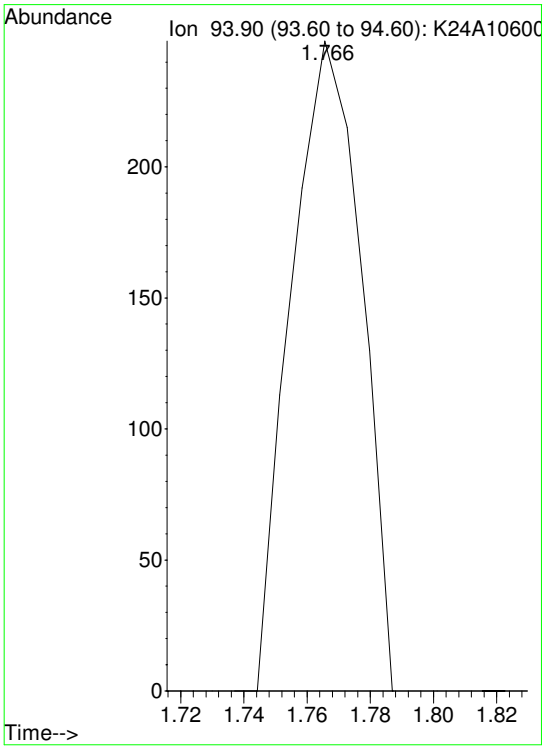
Fri Apr 19 12:51:56 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,3-BUTADIENE



Original Integration
BROMOMETHANE



Original Int. Results

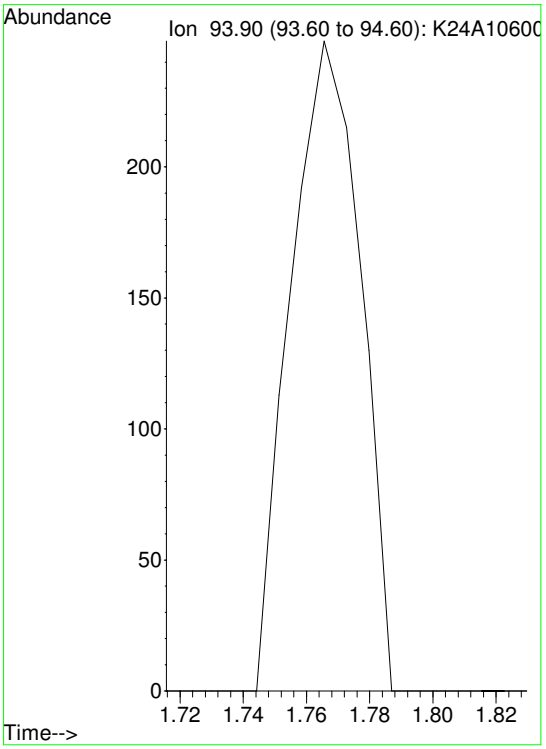
RT : 1.77
Area : 384
Amount: 0.0540904

Manual Int. Results

Fri Apr 19 12:51:55 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

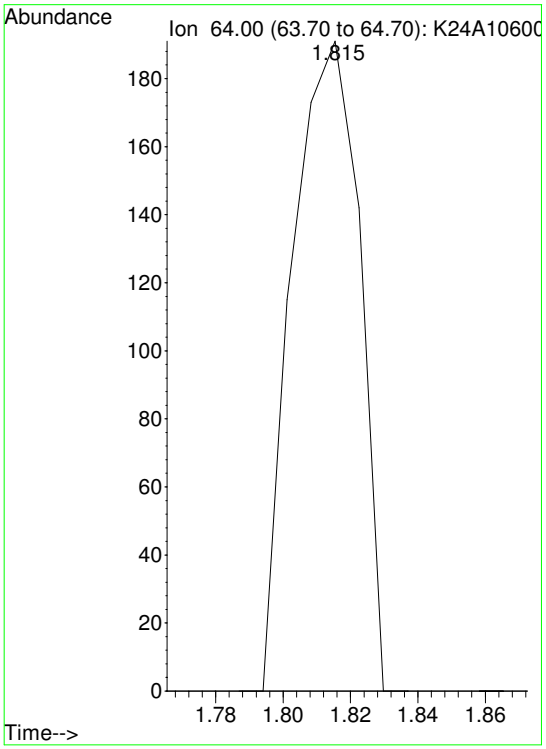
Manual Integration
BROMOMETHANE



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106006.D
Acq On : 15 Apr 2024 01:22 pm
Operator : CMR
Sample : 0.025PPBv STD
Misc : CTWS-4193-2482 05/13

Quant Time : Fri Apr 19 12:52:07 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
CHLOROETHANE



Original Int. Results

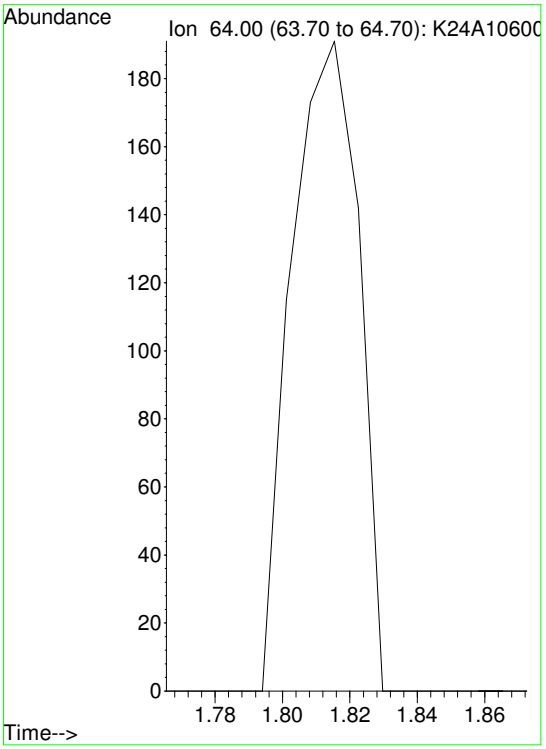
RT : 1.82
Area : 266
Amount: 0.0709212

Manual Int. Results

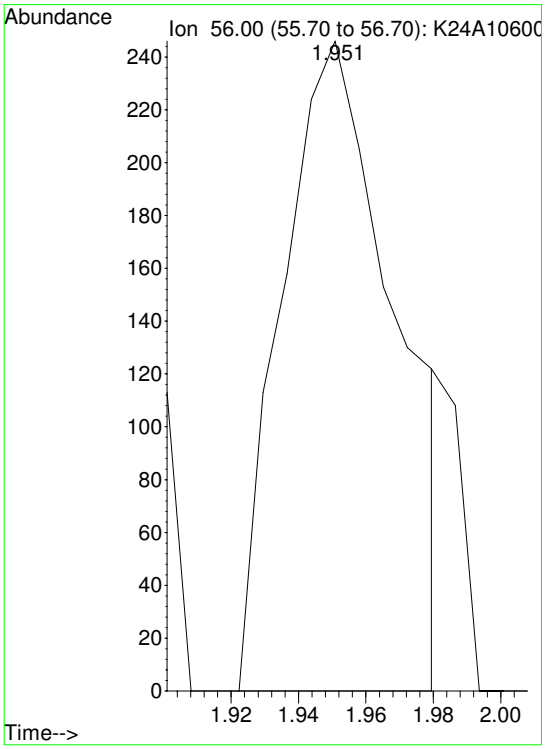
Fri Apr 19 12:51:54 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROETHANE



Original Integration
ACROLEIN



Original Int. Results

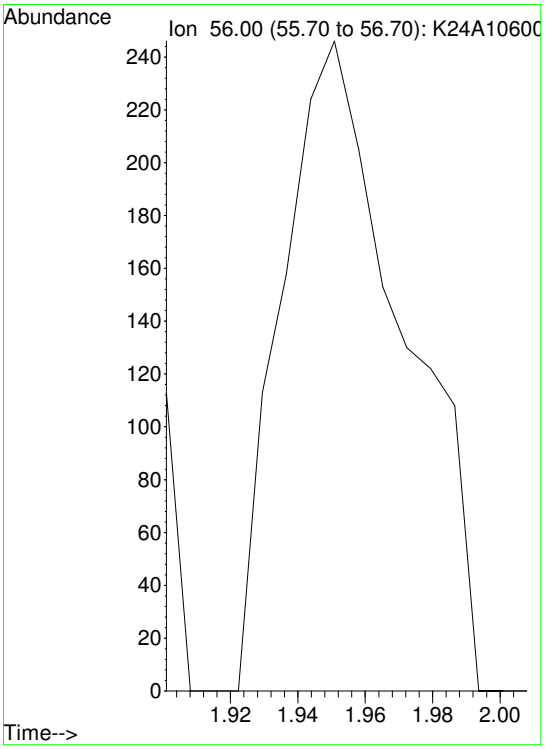
RT : 1.95
Area : 578
Amount: 0.201248

Manual Int. Results

Fri Apr 19 12:51:54 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

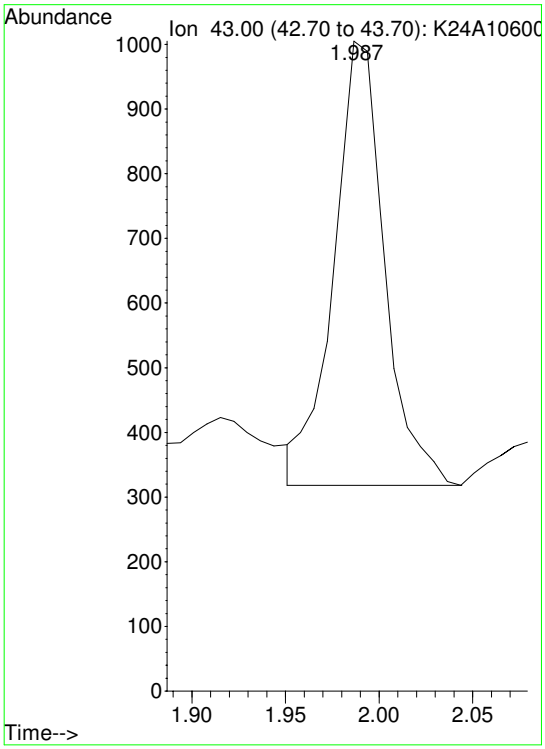
Manual Integration
ACROLEIN



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106006.D
Acq On : 15 Apr 2024 01:22 pm
Operator : CMR
Sample : 0.025PPBv STD
Misc : CTWS-4193-2482 05/13

Quant Time : Fri Apr 19 12:52:07 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
ACETONE



Original Int. Results

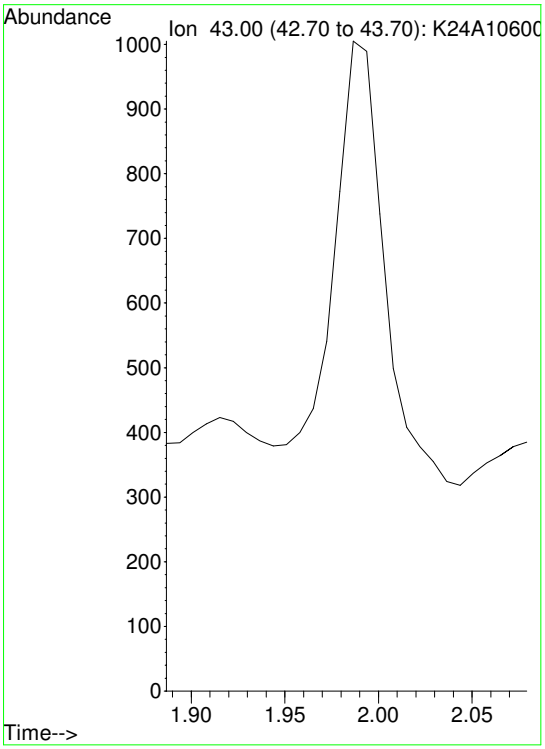
RT : 1.99
Area : 1297
Amount: 0.110937

Manual Int. Results

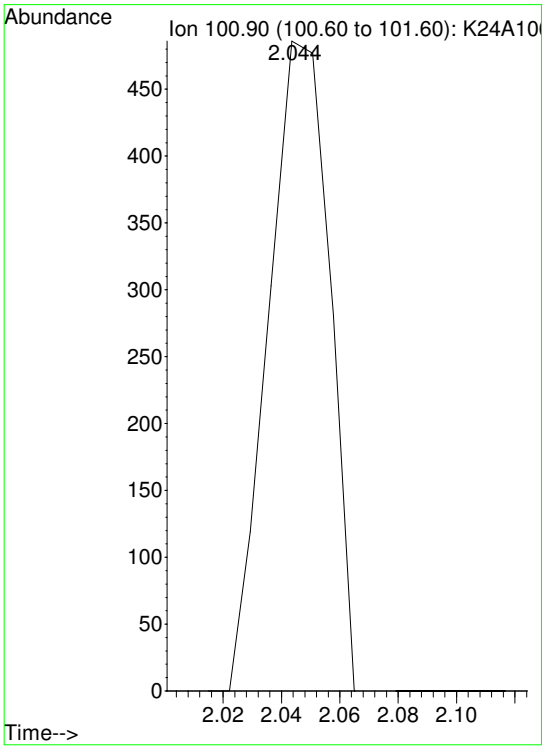
Fri Apr 19 12:51:53 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ACETONE



Original Integration
TRICHLOROFLUOROMETHANE



Original Int. Results

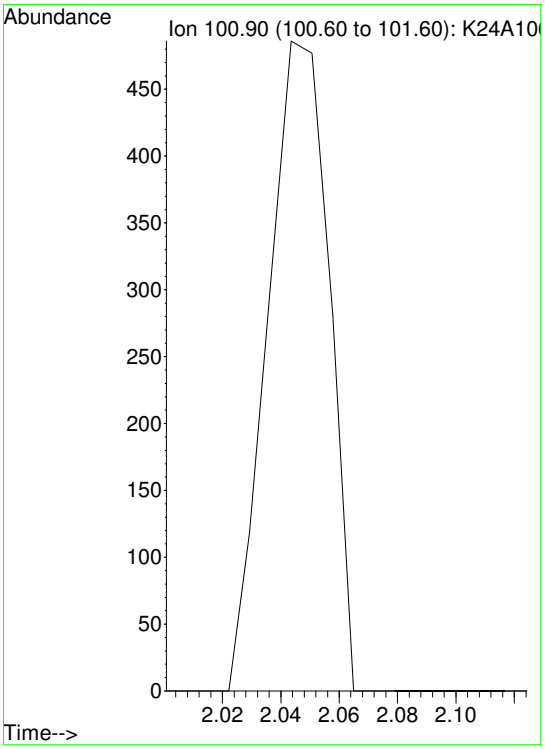
RT : 2.04
Area : 713
Amount: 0.0242554

Manual Int. Results

Fri Apr 19 12:51:52 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

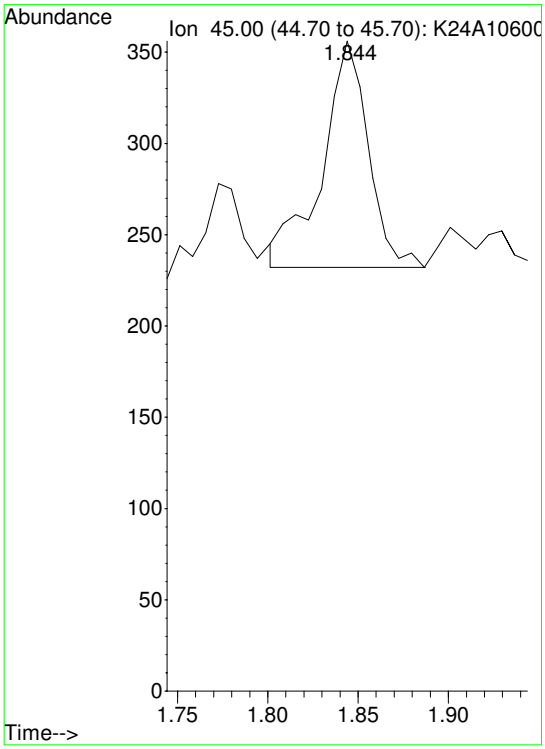
Manual Integration
TRICHLOROFLUOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106006.D
Acq On : 15 Apr 2024 01:22 pm
Operator : CMR
Sample : 0.025PPBv STD
Misc : CTWS-4193-2482 05/13

Quant Time : Fri Apr 19 12:52:07 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
ETHANOL



Original Int. Results

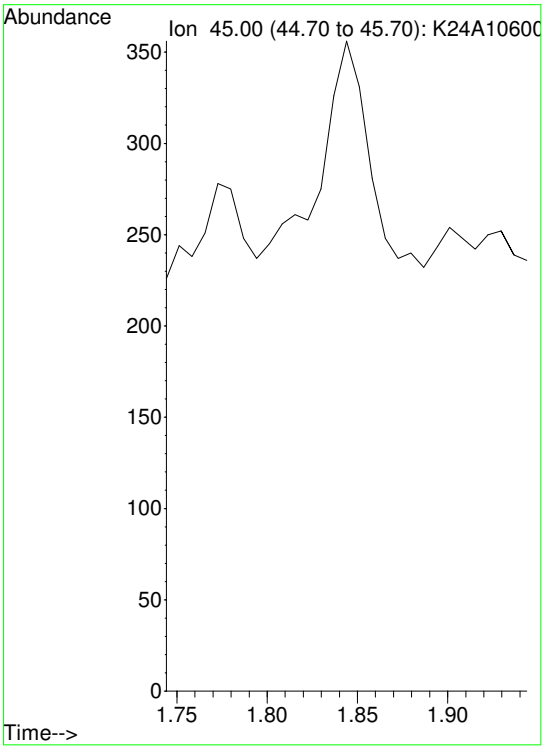
RT : 1.84
Area : 221
Amount: 0.16066

Manual Int. Results

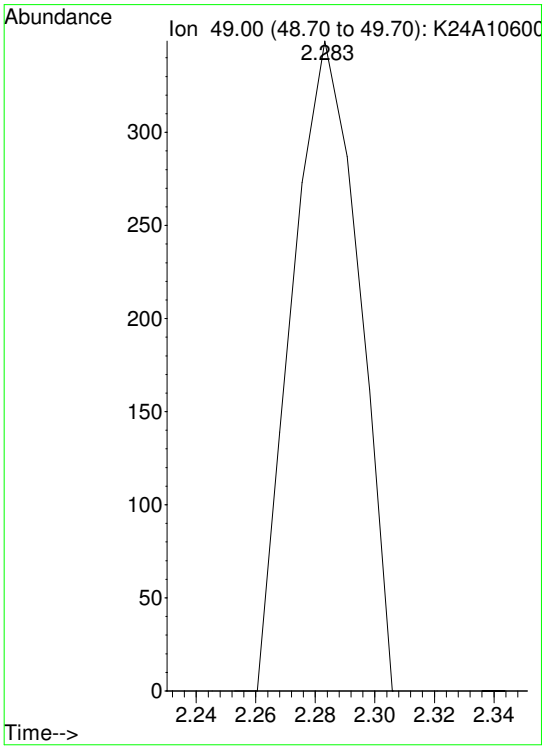
Fri Apr 19 12:51:51 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



Original Integration
METHYLENE CHLORIDE



Original Int. Results

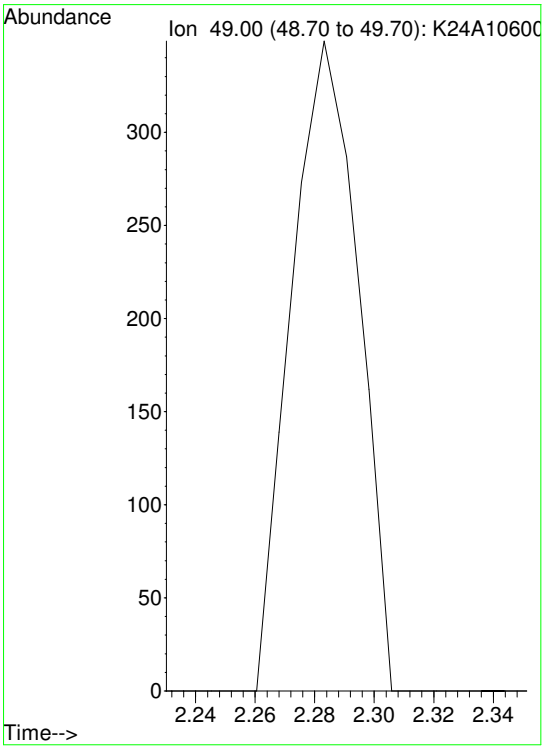
RT : 2.28
Area : 549
Amount: 0.059666

Manual Int. Results

Fri Apr 19 12:51:50 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

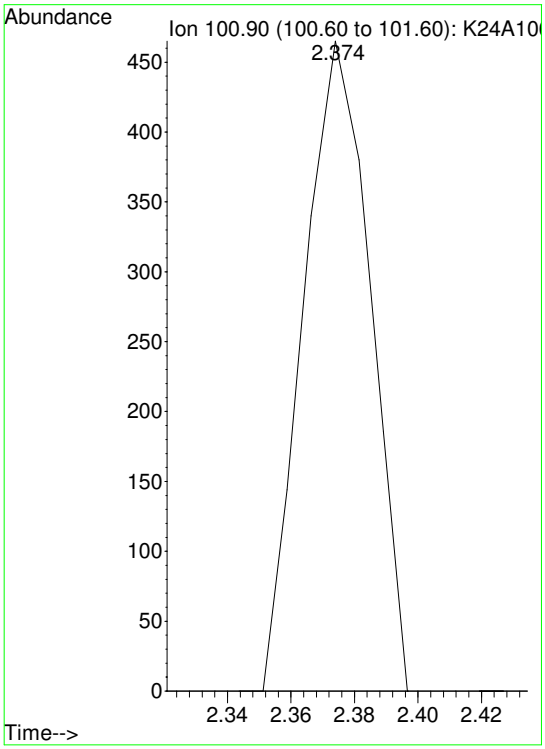
Manual Integration
METHYLENE CHLORIDE



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106006.D
Acq On : 15 Apr 2024 01:22 pm
Operator : CMR
Sample : 0.025PPBv STD
Misc : CTWS-4193-2482 05/13

Quant Time : Fri Apr 19 12:52:07 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
FREON 113



Original Int. Results

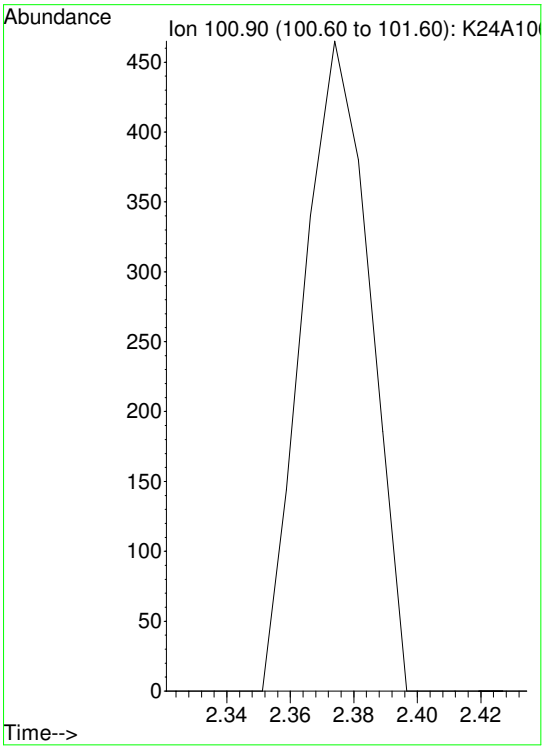
RT : 2.37
Area : 688
Amount: 0.0404537

Manual Int. Results

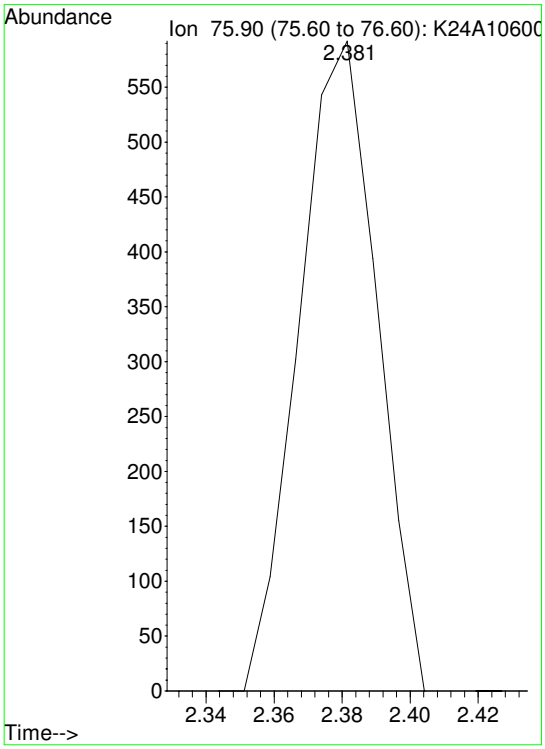
Fri Apr 19 12:51:50 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
FREON 113



Original Integration
CARBON DISULFIDE



Original Int. Results

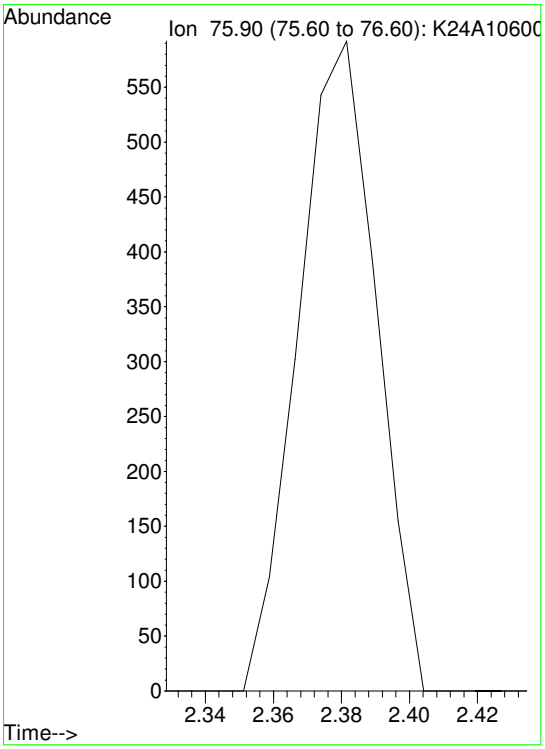
RT : 2.38
Area : 949
Amount: 0.0519589

Manual Int. Results

Fri Apr 19 12:51:49 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

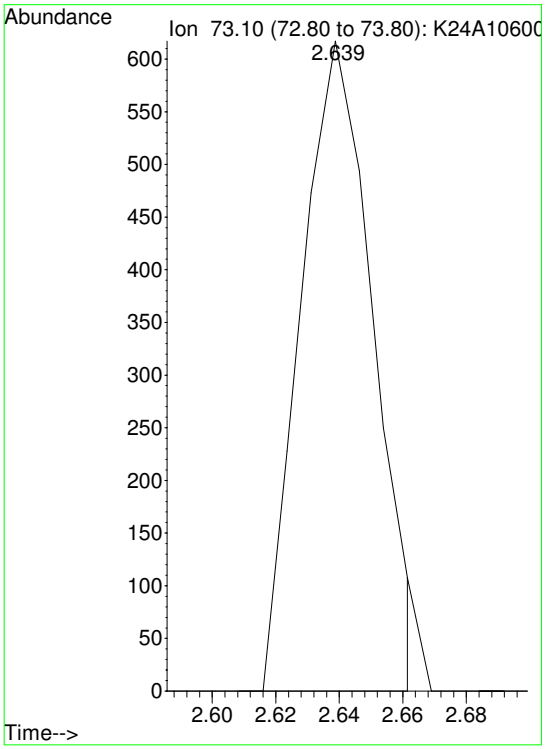
Manual Integration
CARBON DISULFIDE



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106006.D
Acq On : 15 Apr 2024 01:22 pm
Operator : CMR
Sample : 0.025PPBv STD
Misc : CTWS-4193-2482 05/13

Quant Time : Fri Apr 19 12:52:07 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
MTBE



Original Int. Results

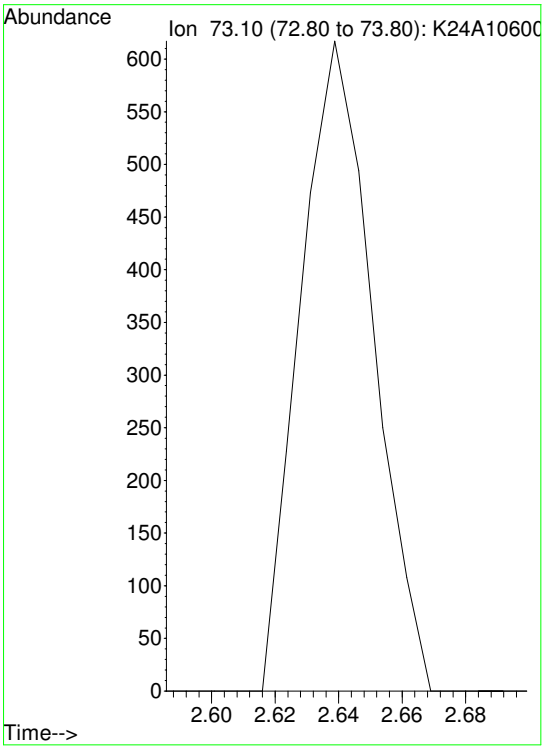
RT : 2.64
Area : 985
Amount: 0.0438404

Manual Int. Results

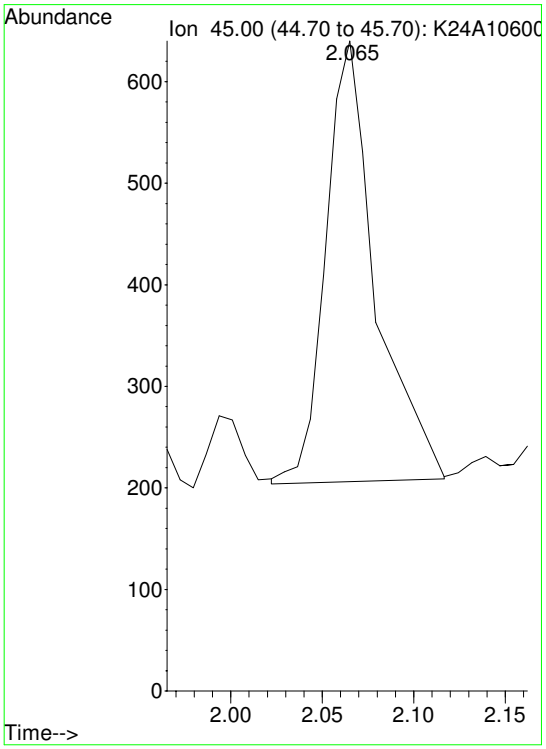
Fri Apr 19 12:51:48 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MTBE



Original Integration
IPA



Original Int. Results

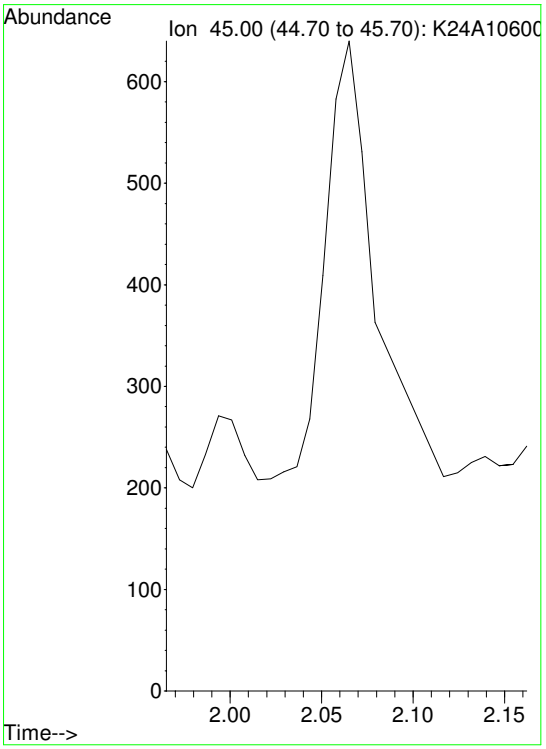
RT : 2.06
Area : 998
Amount: 0.0682701

Manual Int. Results

Fri Apr 19 12:51:47 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

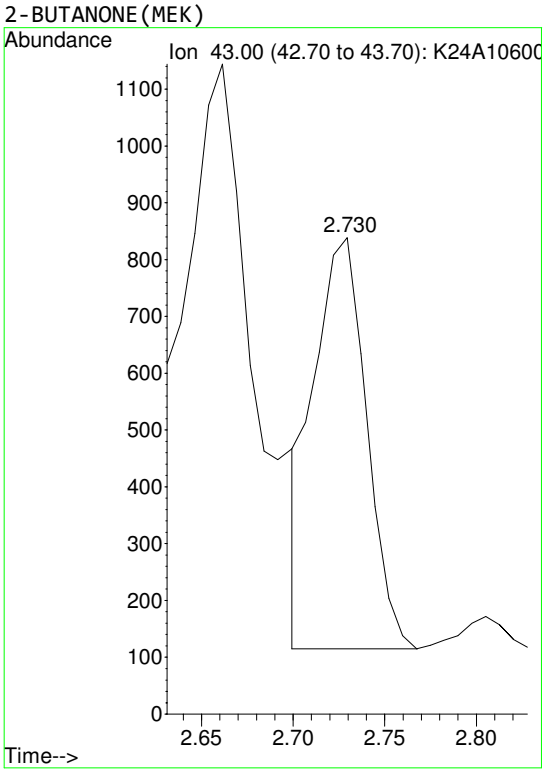
Manual Integration
IPA



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106006.D
Acq On : 15 Apr 2024 01:22 pm
Operator : CMR
Sample : 0.025PPBv STD
Misc : CTWS-4193-2482 05/13

Quant Time : Fri Apr 19 12:52:07 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
2-BUTANONE(MEK)



Original Int. Results

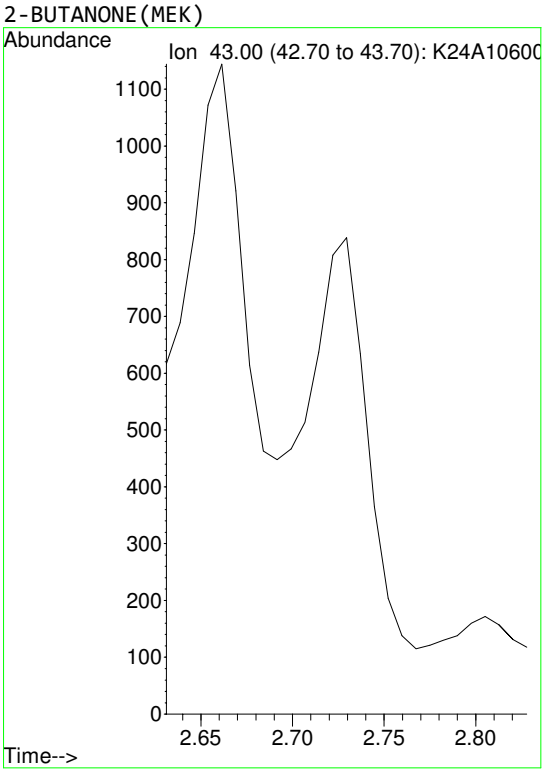
RT : 2.73
Area : 1461
Amount: 0.103217

Manual Int. Results

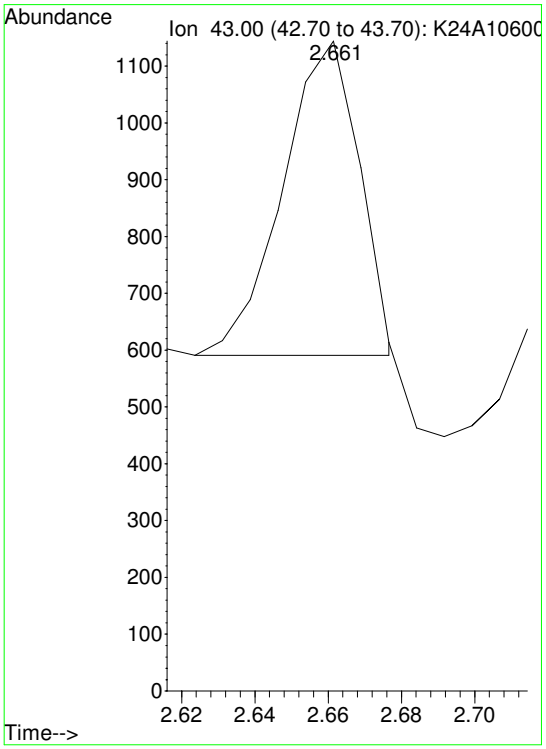
Fri Apr 19 12:51:47 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-BUTANONE(MEK)



Original Integration
VINYL ACETATE



Original Int. Results

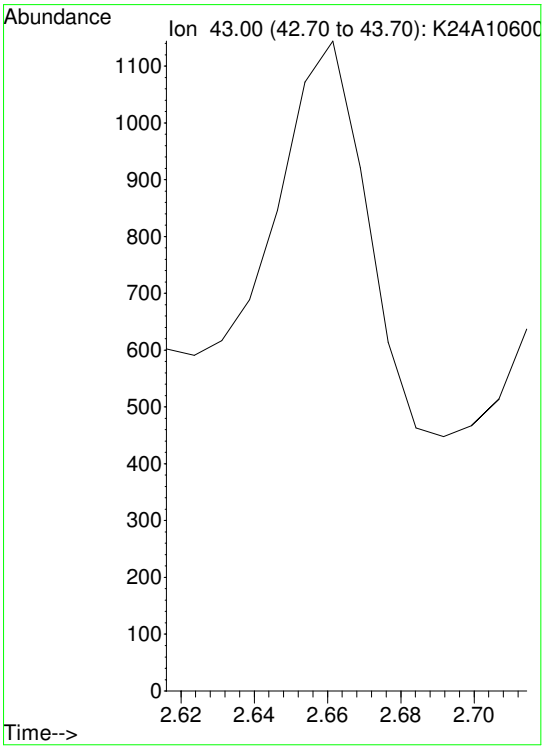
RT : 2.66
Area : 802
Amount: 0.054547

Manual Int. Results

Fri Apr 19 12:51:46 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

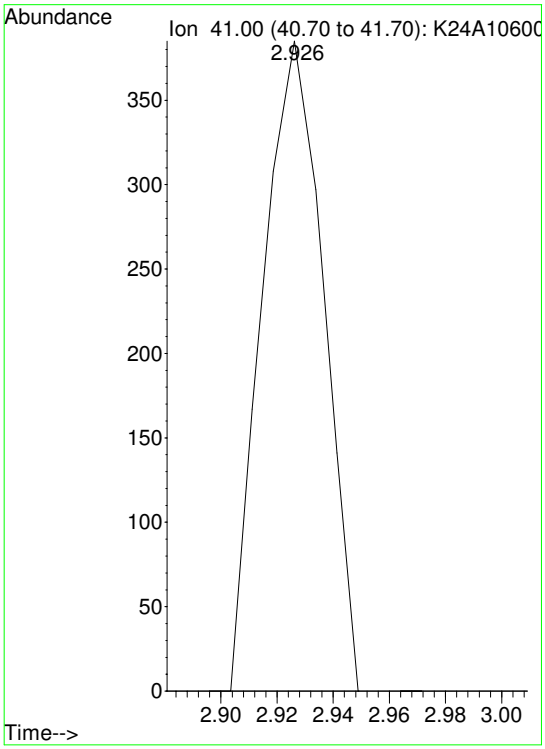
Manual Integration
VINYL ACETATE



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106006.D
Acq On : 15 Apr 2024 01:22 pm
Operator : CMR
Sample : 0.025PPBv STD
Misc : CTWS-4193-2482 05/13

Quant Time : Fri Apr 19 12:52:07 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
HEXANE



Original Int. Results

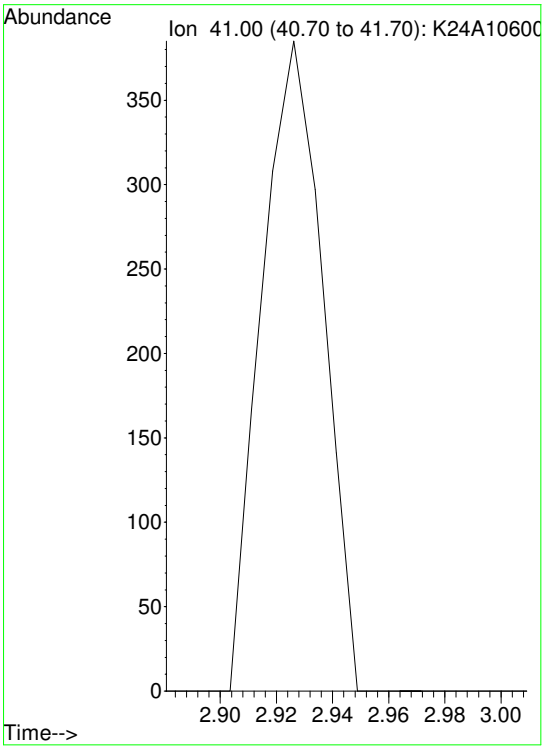
RT : 2.93
Area : 589
Amount: 0.0633885

Manual Int. Results

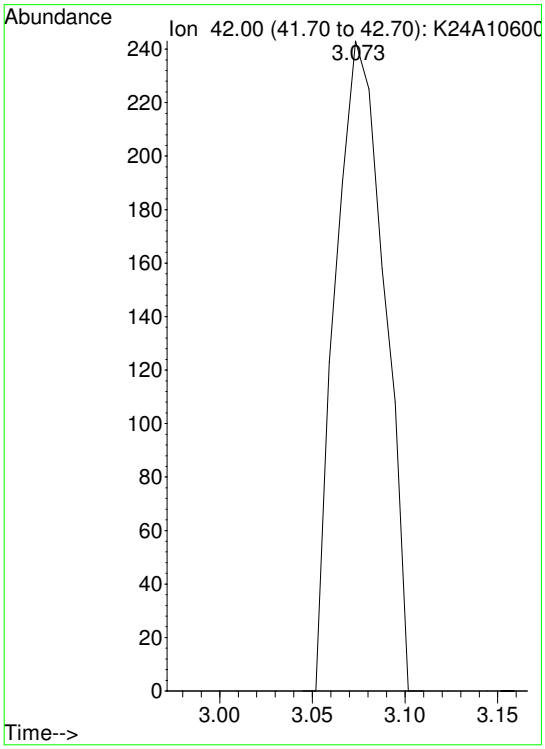
Fri Apr 19 12:51:45 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
HEXANE



Original Integration
TETRAHYDROFURAN



Original Int. Results

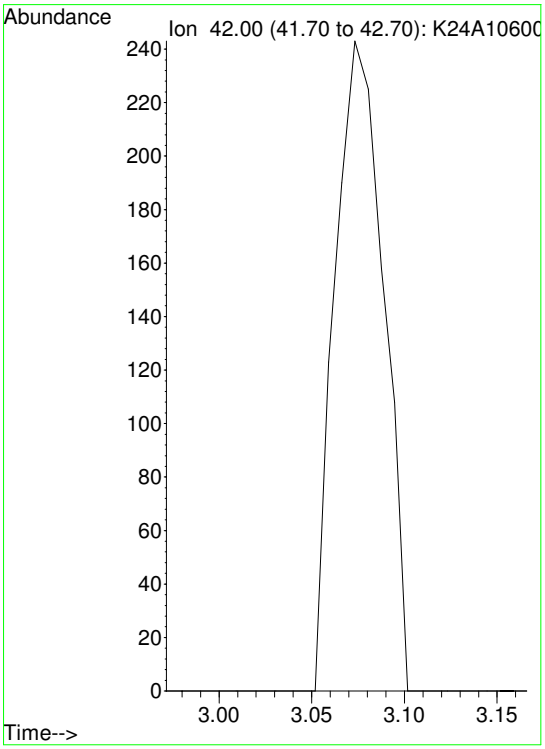
RT : 3.07
Area : 448
Amount: 0.0670789

Manual Int. Results

Fri Apr 19 12:51:44 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

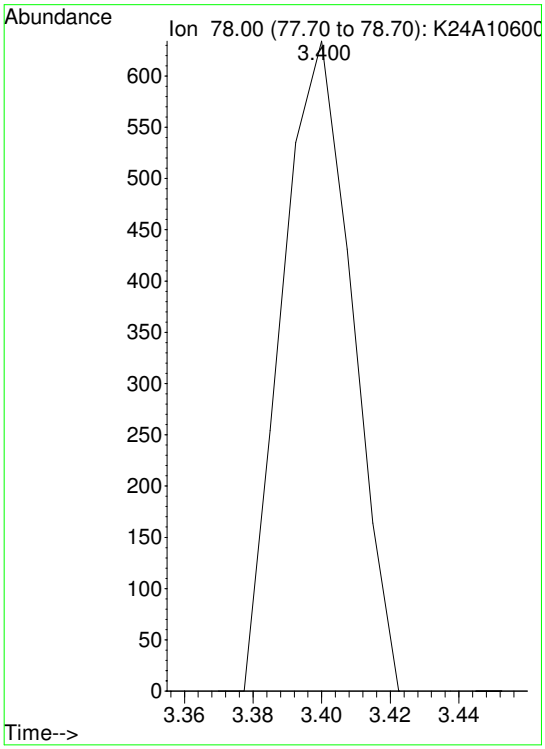
Manual Integration
TETRAHYDROFURAN



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106006.D
Acq On : 15 Apr 2024 01:22 pm
Operator : CMR
Sample : 0.025PPBv STD
Misc : CTWS-4193-2482 05/13

Quant Time : Fri Apr 19 12:52:07 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
BENZENE



Original Int. Results

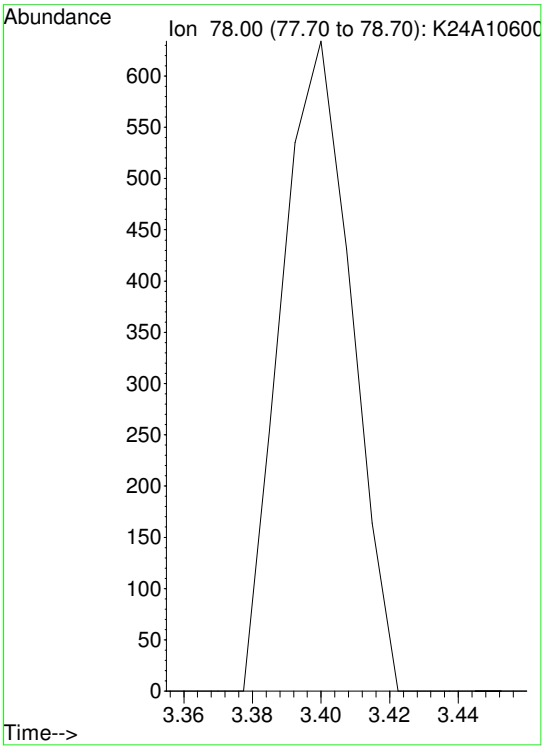
RT : 3.40
Area : 908
Amount: 0.0574845

Manual Int. Results

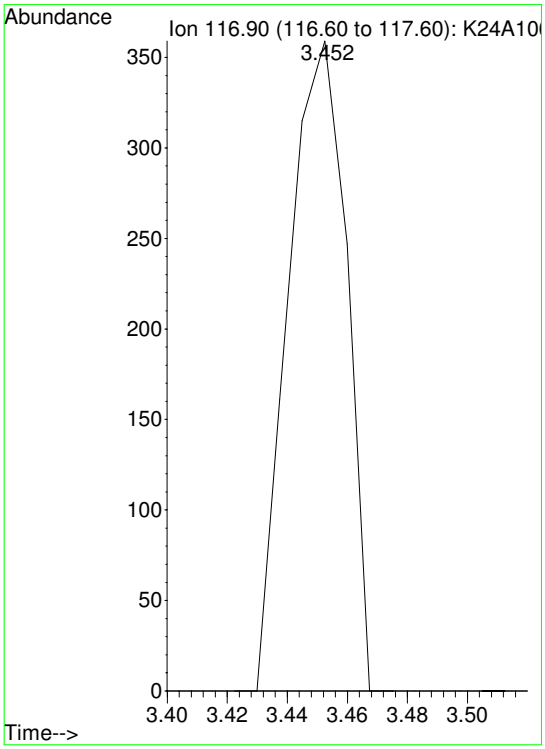
Fri Apr 19 12:51:44 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BENZENE



Original Integration
CARBON TETRACHLORIDE



Original Int. Results

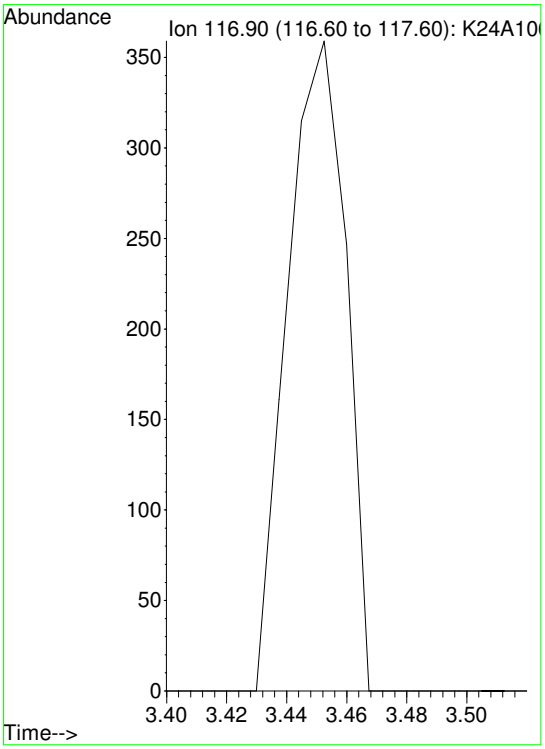
RT : 3.45
Area : 487
Amount: 0.0239867

Manual Int. Results

Fri Apr 19 12:51:43 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

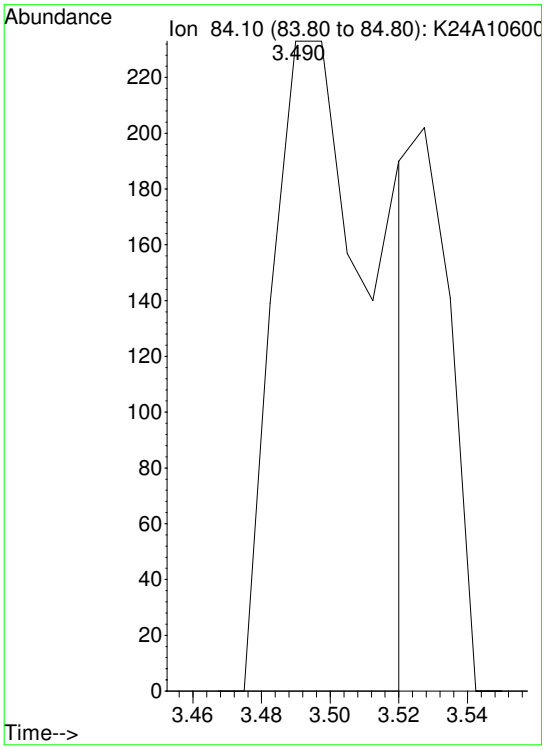
Manual Integration
CARBON TETRACHLORIDE



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106006.D
Acq On : 15 Apr 2024 01:22 pm
Operator : CMR
Sample : 0.025PPBv STD
Misc : CTWS-4193-2482 05/13

Quant Time : Fri Apr 19 12:52:07 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
CYCLOHEXANE



Original Int. Results

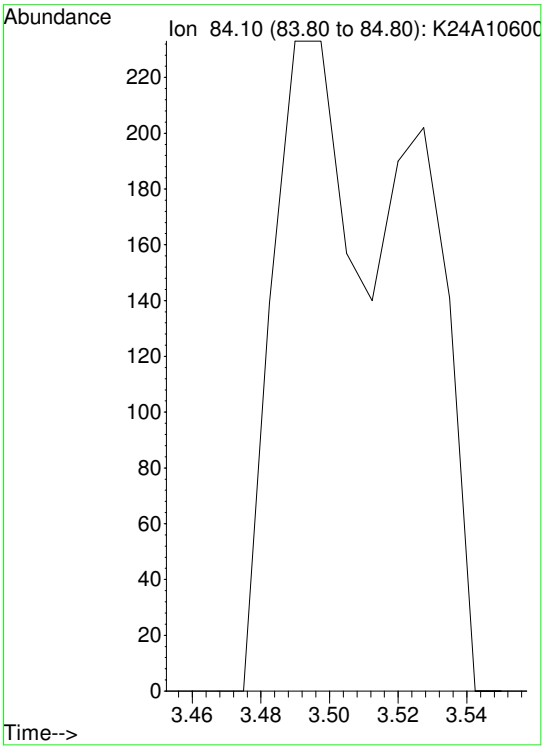
RT : 3.49
Area : 491
Amount: 0.0733248

Manual Int. Results

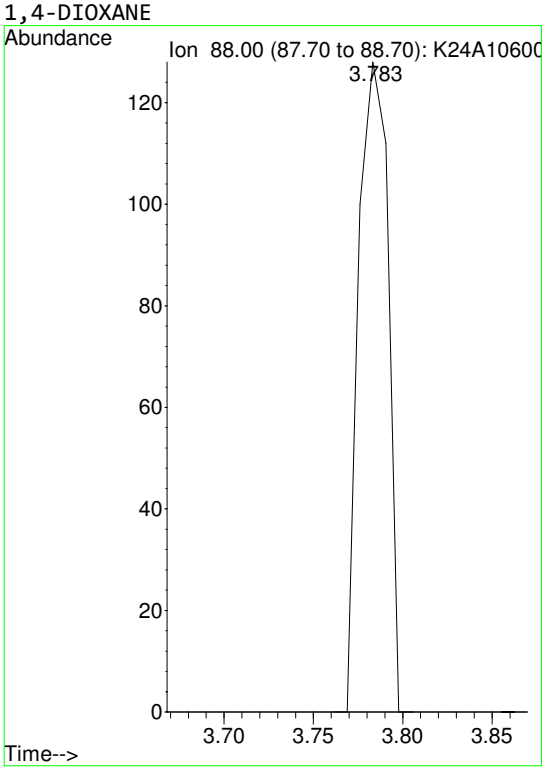
Fri Apr 19 12:51:42 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE



Original Integration
1,4-DIOXANE



Original Int. Results

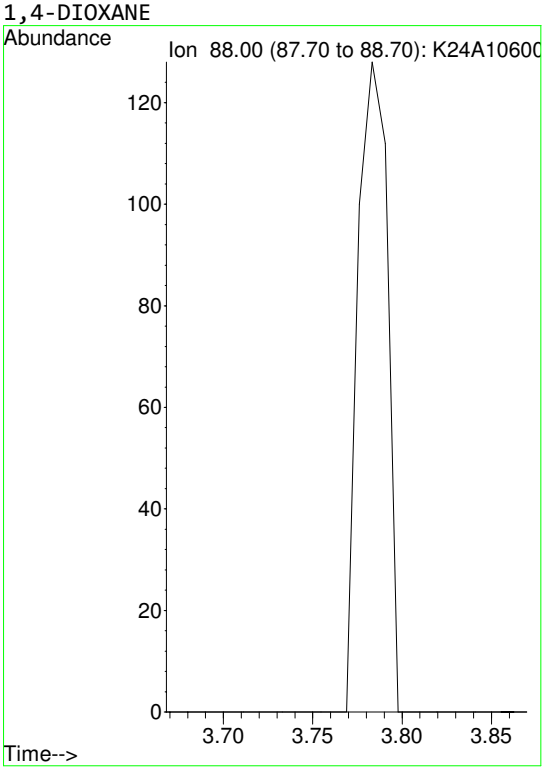
RT : 3.78
Area : 147
Amount: 0.0434766

Manual Int. Results

Fri Apr 19 12:51:38 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

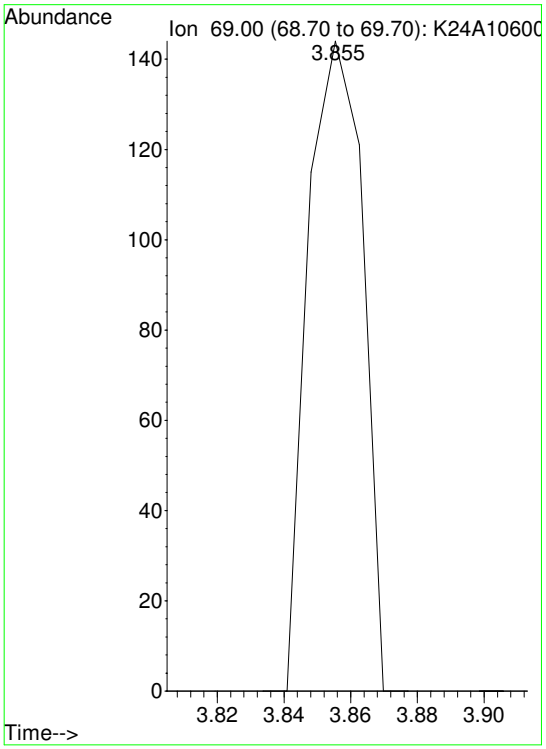
Manual Integration
1,4-DIOXANE



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106006.D
Acq On : 15 Apr 2024 01:22 pm
Operator : CMR
Sample : 0.025PPBv STD
Misc : CTWS-4193-2482 05/13

Quant Time : Fri Apr 19 12:52:07 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
METHYLMETHACRYLATE



Original Int. Results

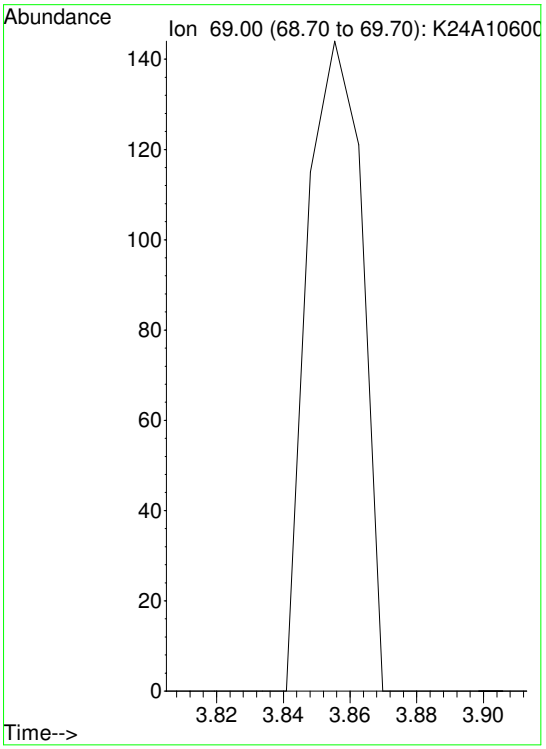
RT : 3.86
Area : 164
Amount: 0.0307951

Manual Int. Results

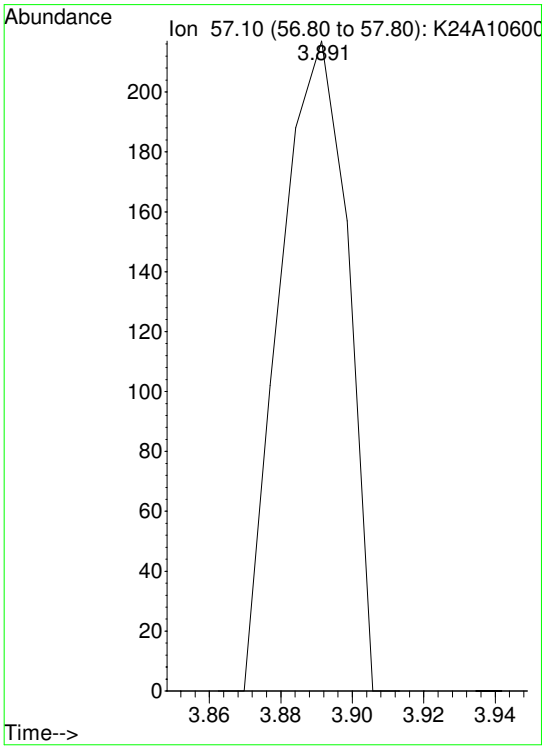
Fri Apr 19 12:51:34 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
METHYLMETHACRYLATE



Original Integration
HEPTANE



Original Int. Results

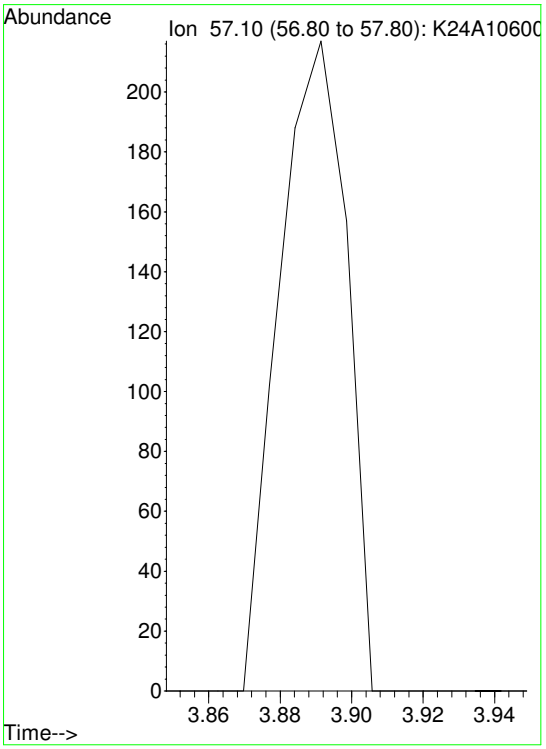
RT : 3.89
Area : 287
Amount: 0.0482869

Manual Int. Results

Fri Apr 19 12:51:33 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

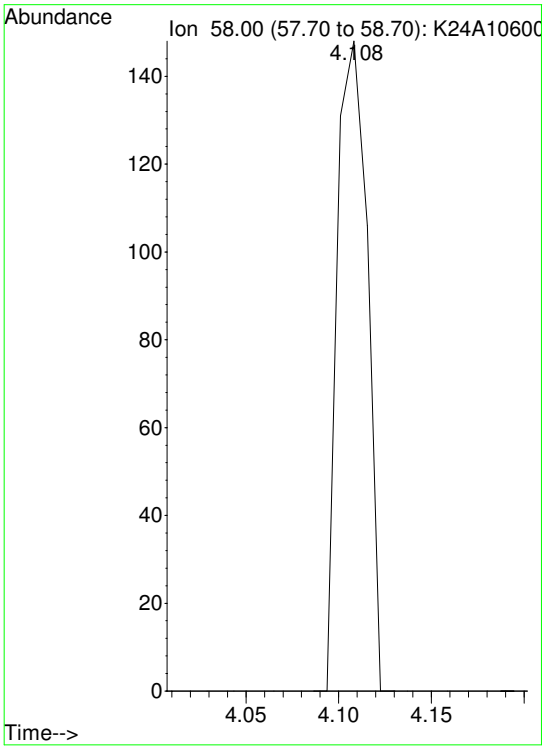
Manual Integration
HEPTANE



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106006.D
Acq On : 15 Apr 2024 01:22 pm
Operator : CMR
Sample : 0.025PPBv STD
Misc : CTWS-4193-2482 05/13

Quant Time : Fri Apr 19 12:52:07 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
MIBK



Original Int. Results

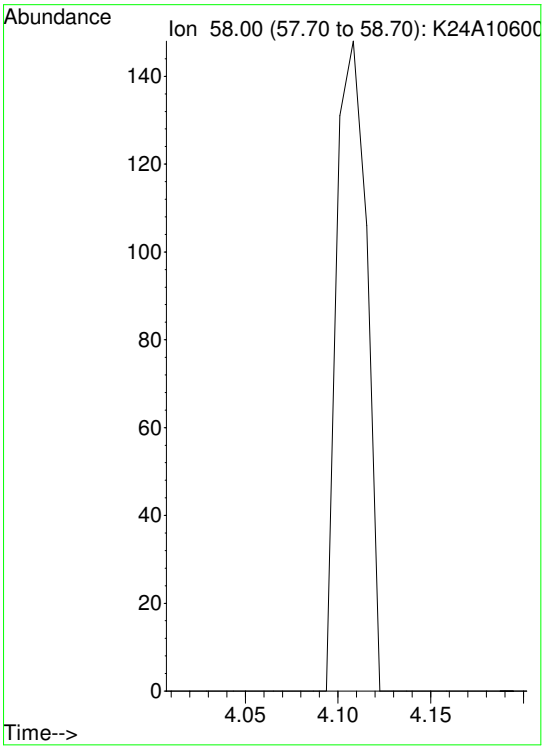
RT : 4.11
Area : 166
Amount: 0.0317596

Manual Int. Results

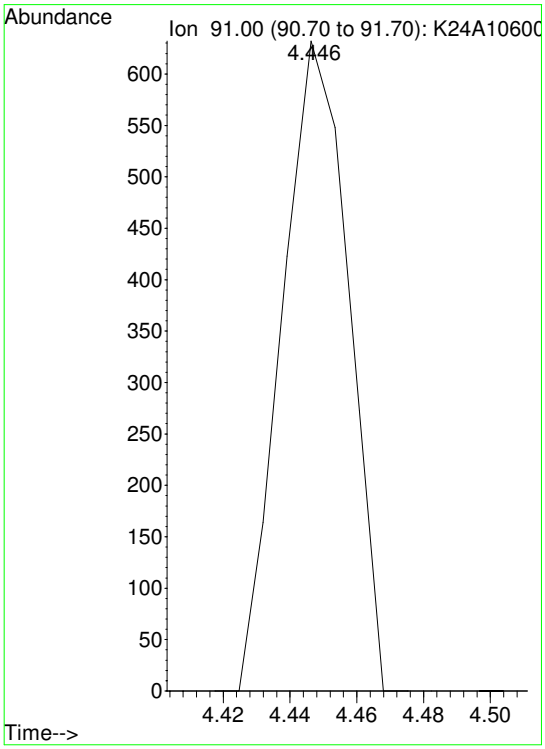
Fri Apr 19 12:51:32 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



Original Integration
TOLUENE



Original Int. Results

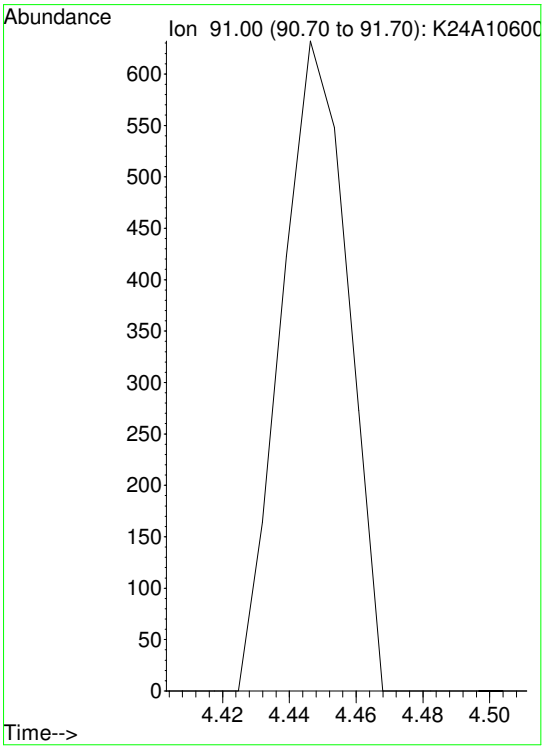
RT : 4.45
Area : 881
Amount: 0.0440141

Manual Int. Results

Fri Apr 19 12:51:31 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

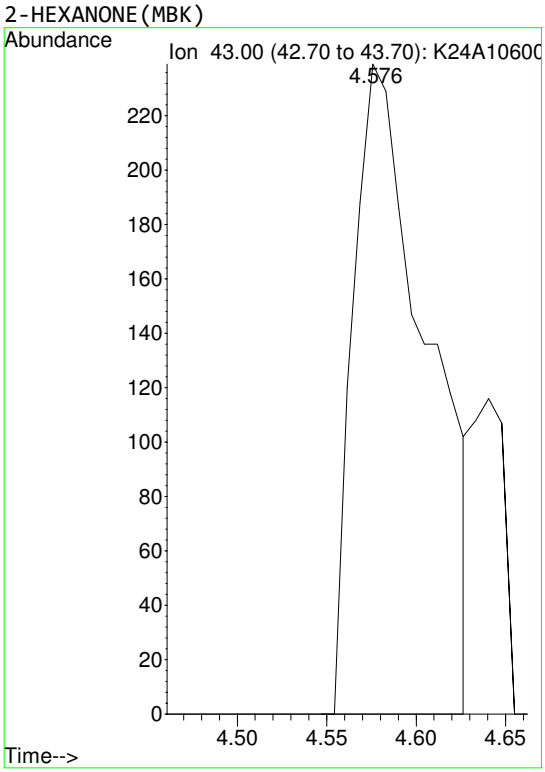
Manual Integration
TOLUENE



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106006.D
Acq On : 15 Apr 2024 01:22 pm
Operator : CMR
Sample : 0.025PPBv STD
Misc : CTWS-4193-2482 05/13

Quant Time : Fri Apr 19 12:52:07 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
2-HEXANONE(MBK)



Original Int. Results

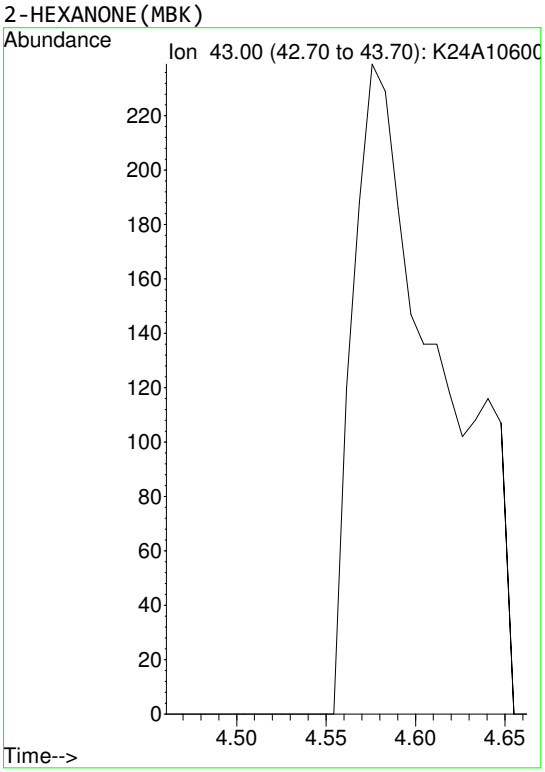
RT : 4.58
Area : 691
Amount: 0.0580901

Manual Int. Results

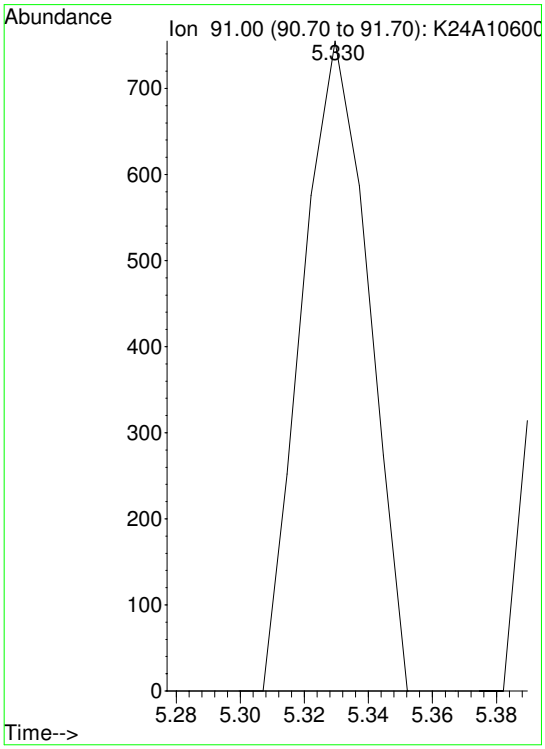
Fri Apr 19 12:51:30 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-HEXANONE(MBK)



Original Integration
ETHYLBENZENE



Original Int. Results

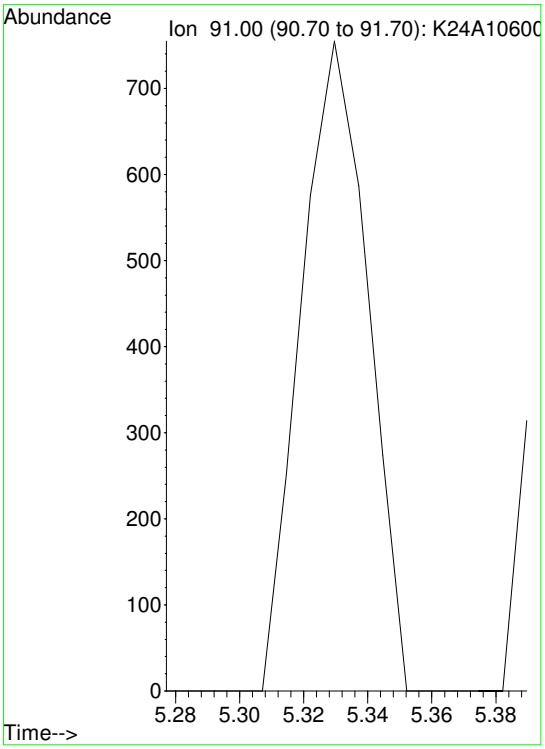
RT : 5.33
Area : 1100
Amount: 0.0388091

Manual Int. Results

Fri Apr 19 12:51:29 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

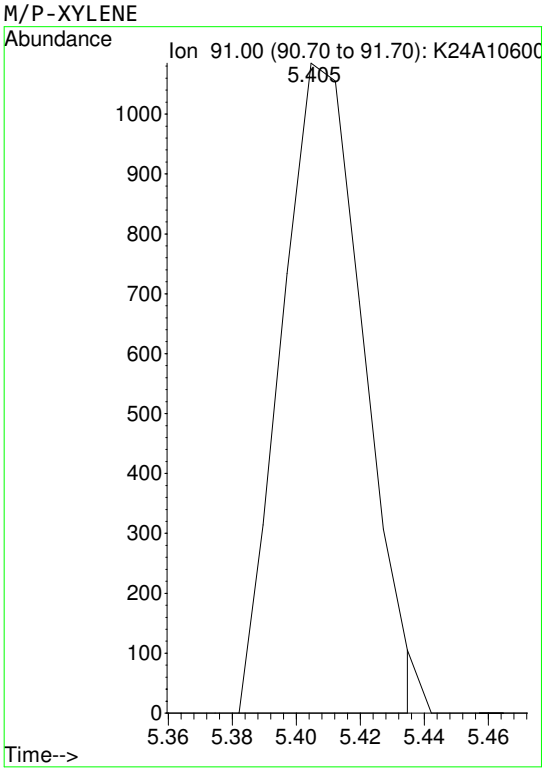
Manual Integration
ETHYLBENZENE



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106006.D
Acq On : 15 Apr 2024 01:22 pm
Operator : CMR
Sample : 0.025PPBv STD
Misc : CTWS-4193-2482 05/13

Quant Time : Fri Apr 19 12:52:07 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
M/P-XYLENE



Original Int. Results

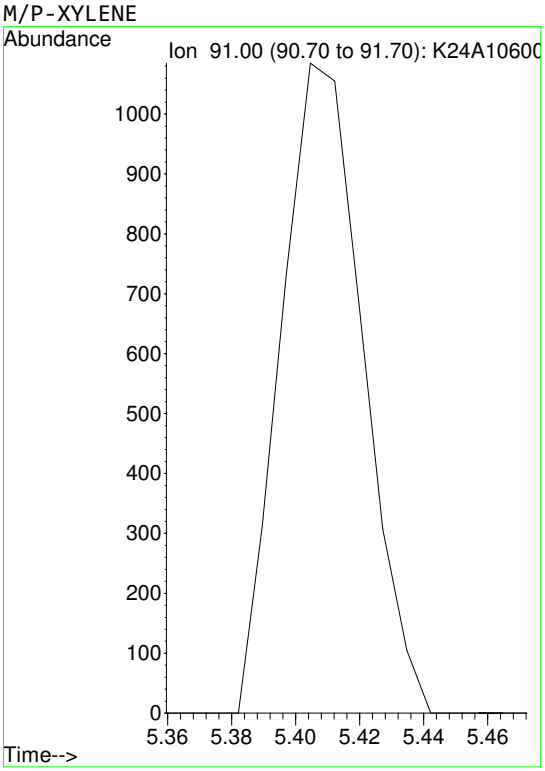
RT : 5.40
Area : 1930
Amount: 0.0800772

Manual Int. Results

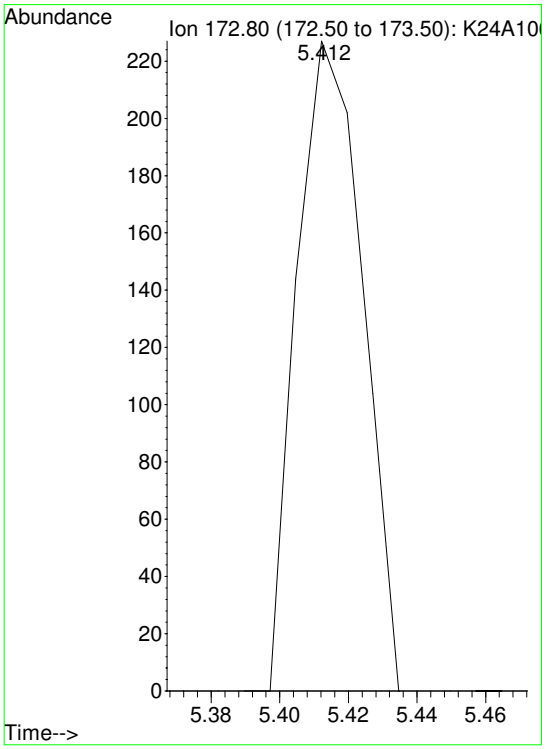
Fri Apr 19 12:51:29 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
M/P-XYLENE



Original Integration
BROMOFORM



Original Int. Results

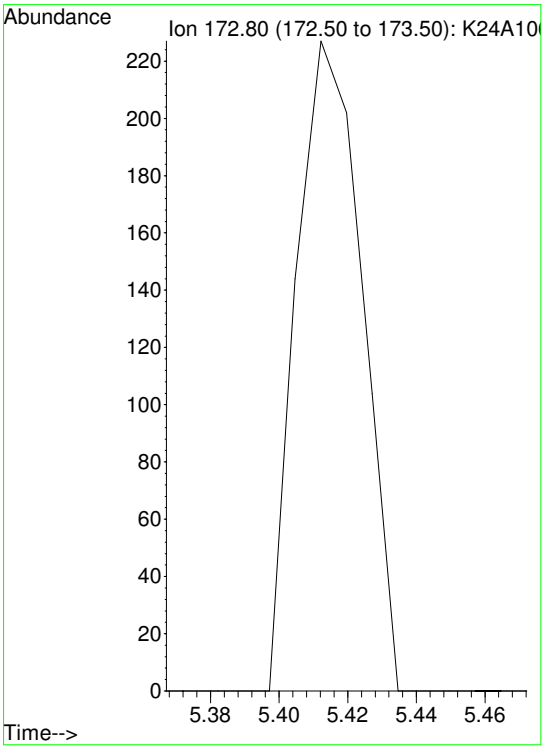
RT : 5.41
Area : 305
Amount: 0.0202081

Manual Int. Results

Fri Apr 19 12:51:28 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

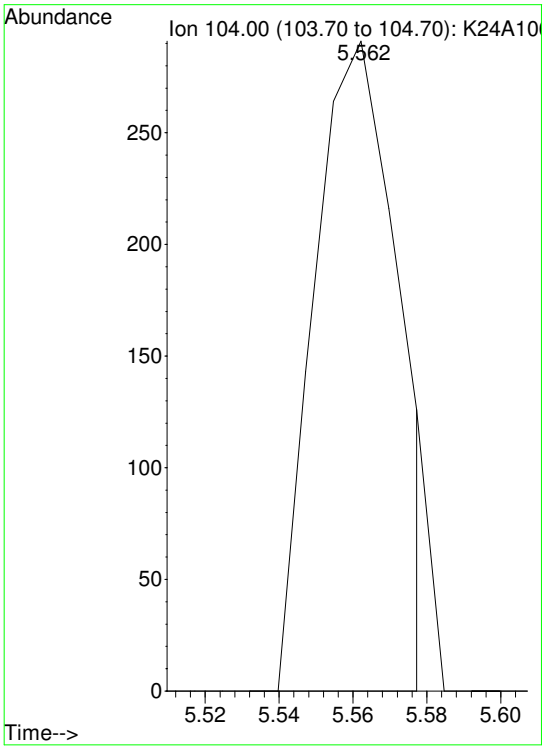
Manual Integration
BROMOFORM



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106006.D
Acq On : 15 Apr 2024 01:22 pm
Operator : CMR
Sample : 0.025PPBv STD
Misc : CTWS-4193-2482 05/13

Quant Time : Fri Apr 19 12:52:07 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
STYRENE



Original Int. Results

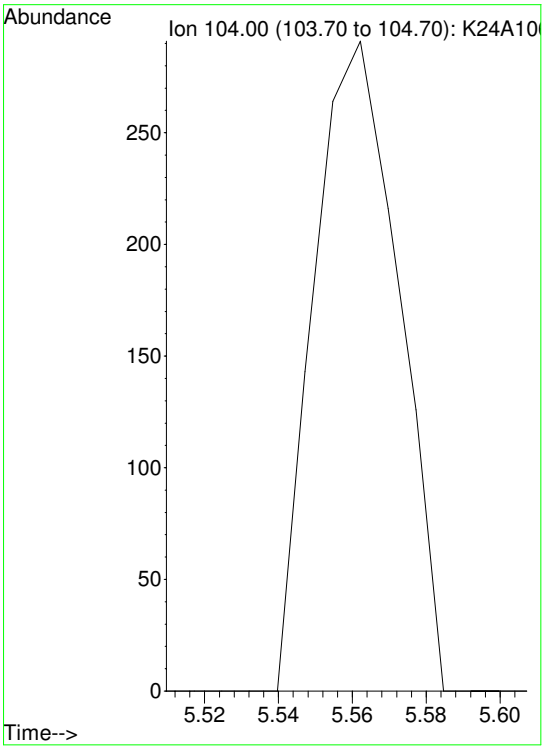
RT : 5.56
Area : 468
Amount: 0.030906

Manual Int. Results

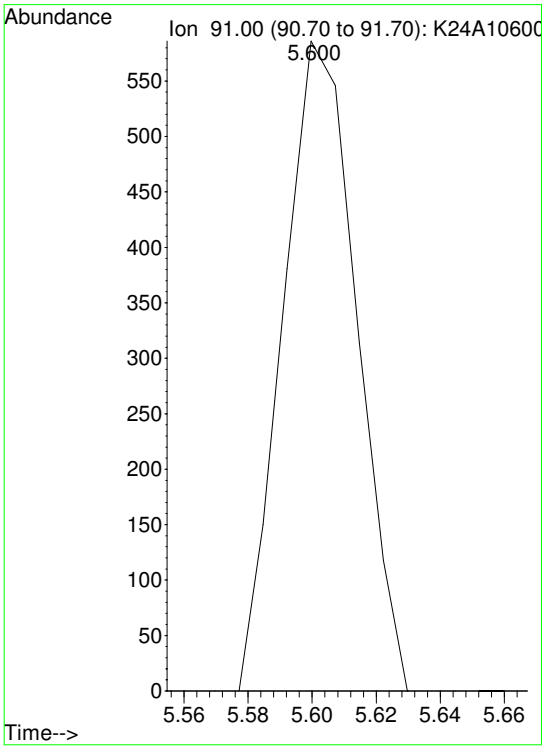
Fri Apr 19 12:51:27 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
STYRENE



Original Integration
O-XYLENE



Original Int. Results

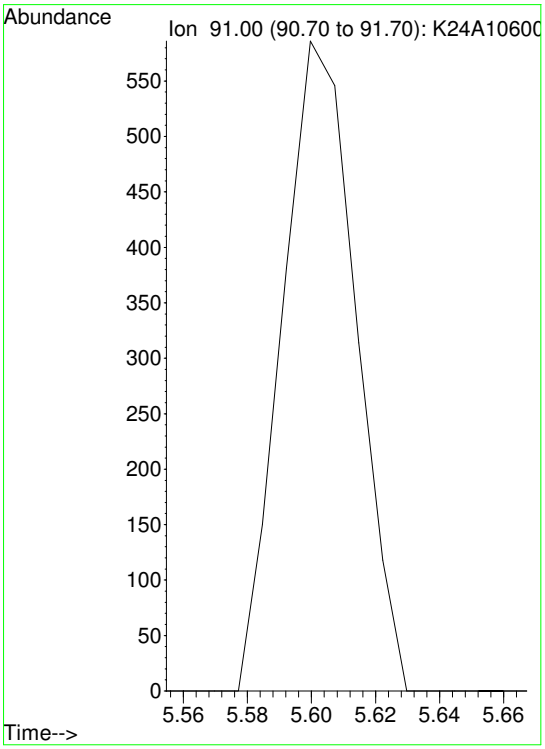
RT : 5.60
Area : 943
Amount: 0.0399911

Manual Int. Results

Fri Apr 19 12:51:26 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

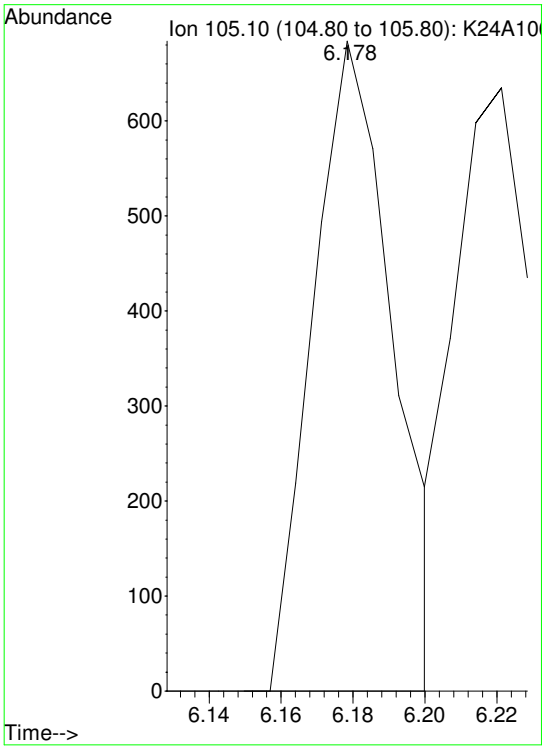
Manual Integration
O-XYLENE



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106006.D
Acq On : 15 Apr 2024 01:22 pm
Operator : CMR
Sample : 0.025PPBv STD
Misc : CTWS-4193-2482 05/13

Quant Time : Fri Apr 19 12:52:07 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
4-ETHYLTOLUENE



Original Int. Results

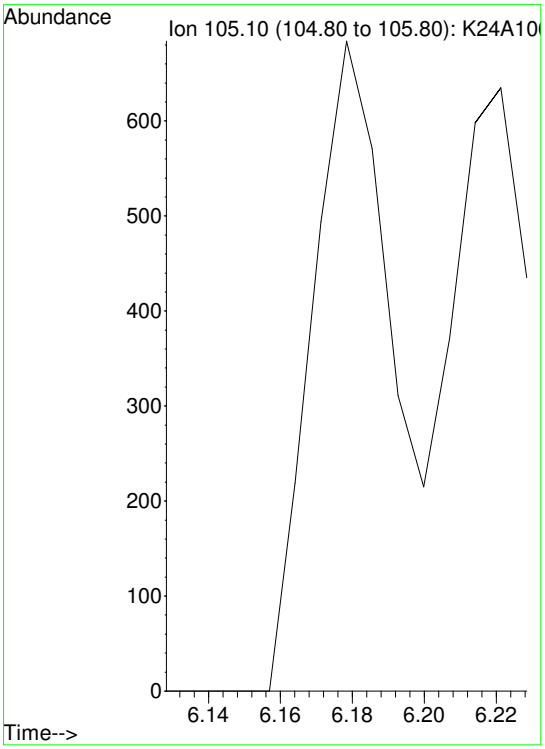
RT : 6.18
Area : 1071
Amount: 0.0345847

Manual Int. Results

Fri Apr 19 12:51:26 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
4-ETHYLTOLUENE



Original Integration
1,3,5-TRIMETHYLBENZENE

Original Int. Results

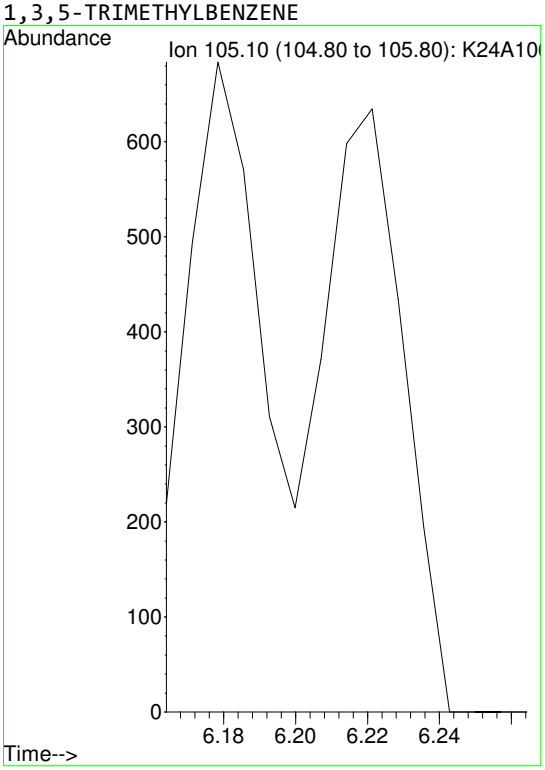
RT : 6.22
Area : 541
Amount: 0.019098

Manual Int. Results

Fri Apr 19 12:51:25 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

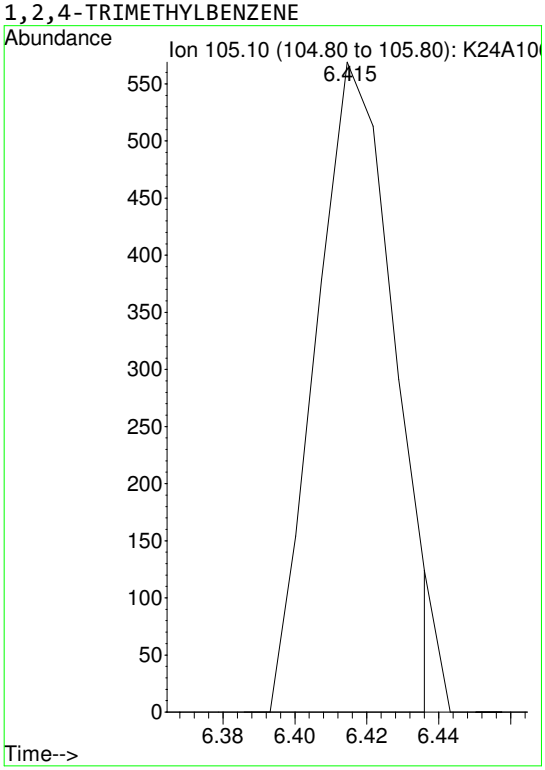
Manual Integration
1,3,5-TRIMETHYLBENZENE



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106006.D
Acq On : 15 Apr 2024 01:22 pm
Operator : CMR
Sample : 0.025PPBv STD
Misc : CTWS-4193-2482 05/13

Quant Time : Fri Apr 19 12:52:07 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
1,2,4-TRIMETHYLBENZENE



Original Int. Results

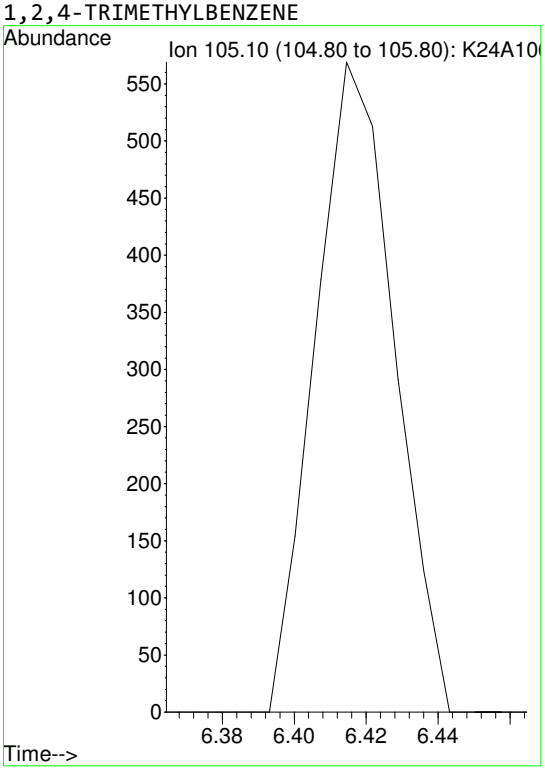
RT : 6.41
Area : 871
Amount: 0.030336

Manual Int. Results

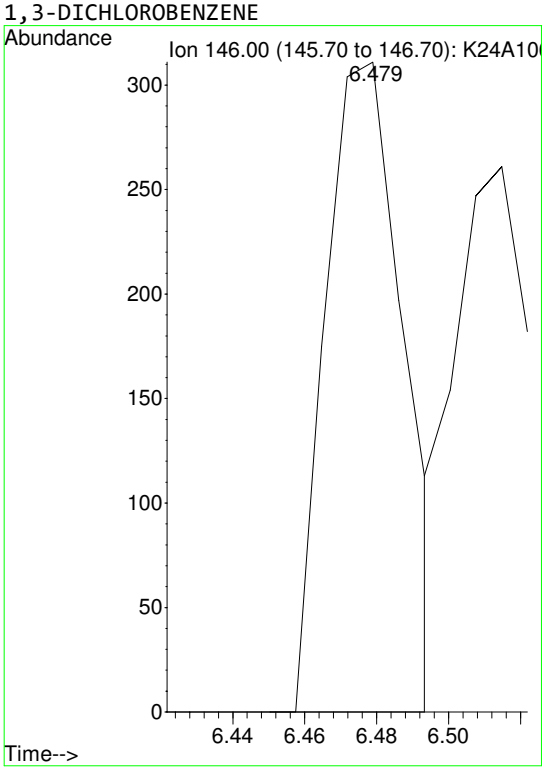
Fri Apr 19 12:51:24 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,2,4-TRIMETHYLBENZENE



Original Integration
1,3-DICHLOROBENZENE



Original Int. Results

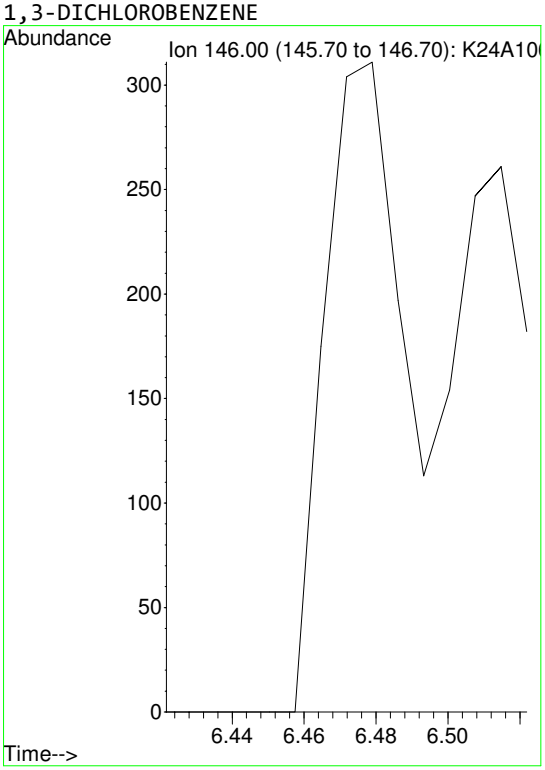
RT : 6.48
Area : 472
Amount: 0.0246646

Manual Int. Results

Fri Apr 19 12:51:24 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

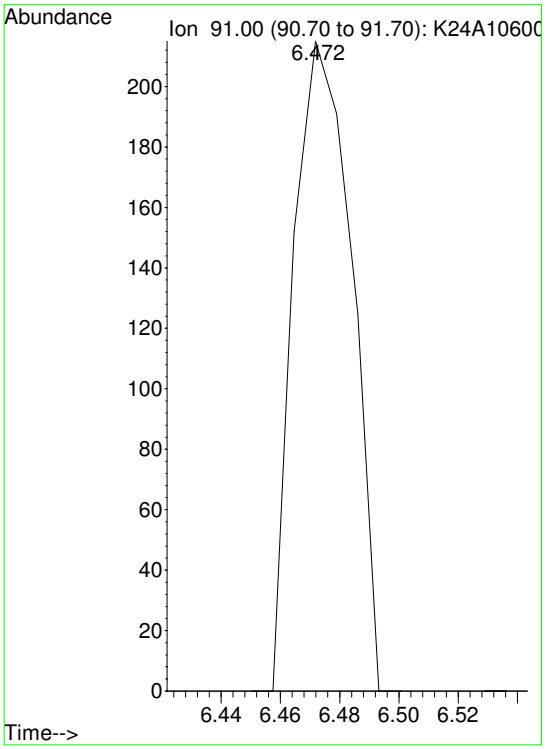
Manual Integration
1,3-DICHLOROBENZENE



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106006.D
Acq On : 15 Apr 2024 01:22 pm
Operator : CMR
Sample : 0.025PPBv STD
Misc : CTWS-4193-2482 05/13

Quant Time : Fri Apr 19 12:52:07 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
BENZYL CHLORIDE



Original Int. Results

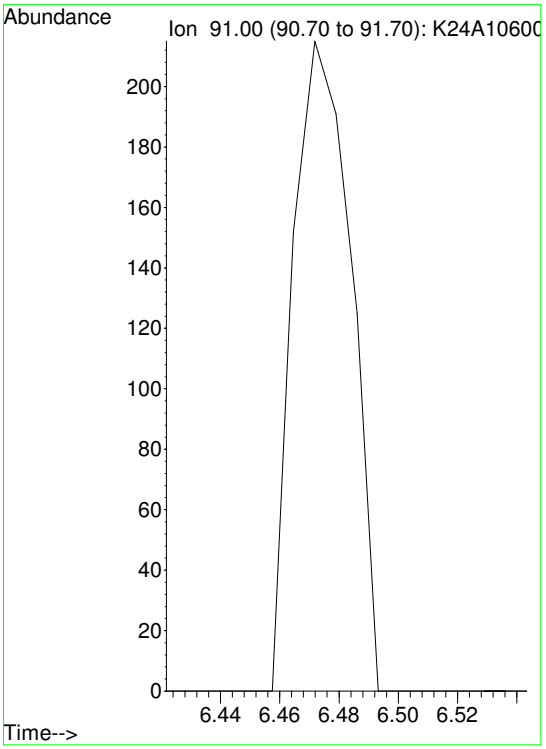
RT : 6.47
Area : 293
Amount: 0.0150382

Manual Int. Results

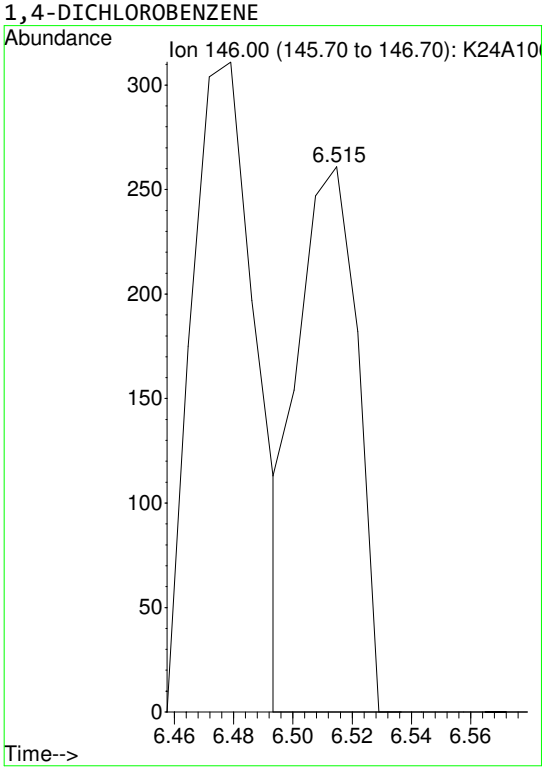
Fri Apr 19 12:51:23 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BENZYL CHLORIDE



Original Integration
1,4-DICHLOROBENZENE



Original Int. Results

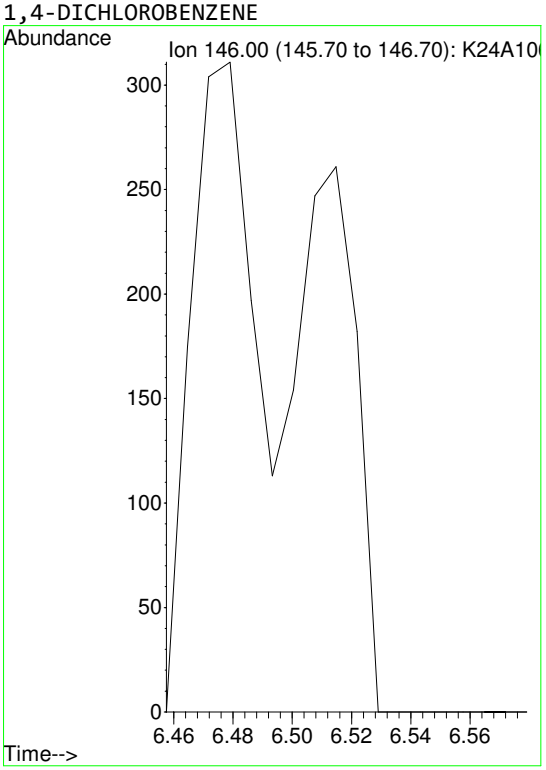
RT : 6.51
Area : 362
Amount: 0.0208598

Manual Int. Results

Fri Apr 19 12:51:23 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

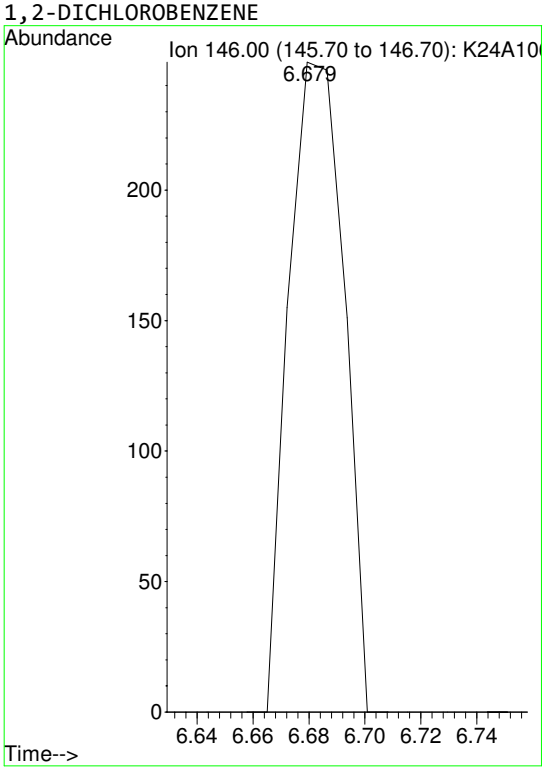
Manual Integration
1,4-DICHLOROBENZENE



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106006.D
Acq On : 15 Apr 2024 01:22 pm
Operator : CMR
Sample : 0.025PPBv STD
Misc : CTWS-4193-2482 05/13

Quant Time : Fri Apr 19 12:52:07 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
1,2-DICHLOROBENZENE



Original Int. Results

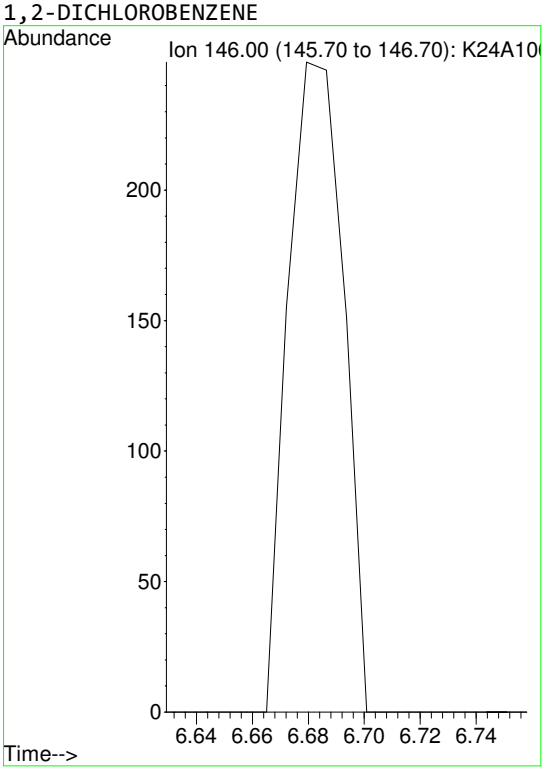
RT : 6.68
Area : 344
Amount: 0.0201797

Manual Int. Results

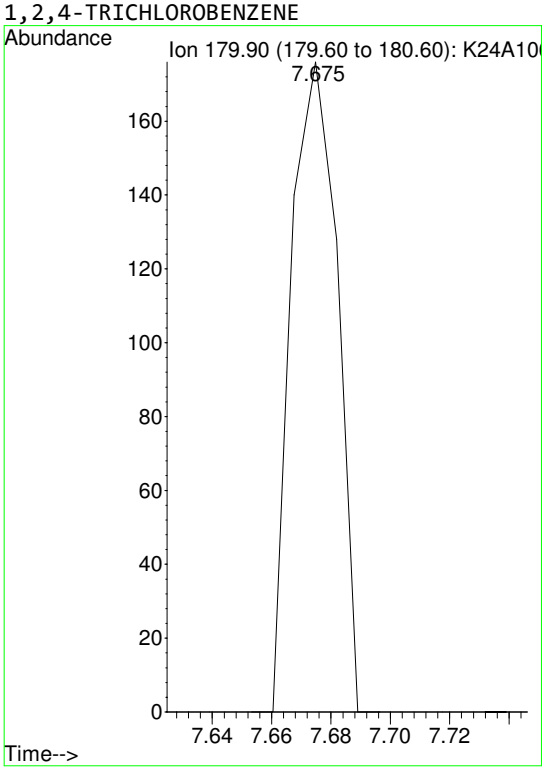
Fri Apr 19 12:51:22 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,2-DICHLOROBENZENE



Original Integration
1,2,4-TRICHLOROBENZENE



Original Int. Results

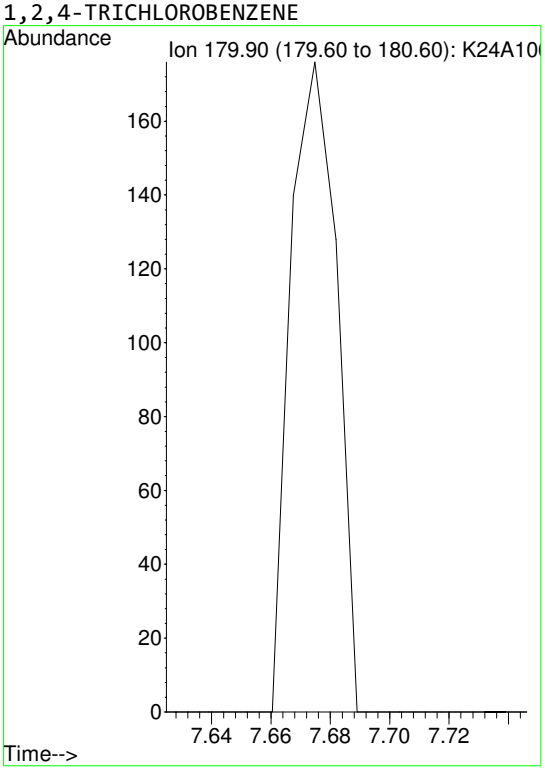
RT : 7.67
Area : 190
Amount: 0.0151116

Manual Int. Results

Fri Apr 19 12:51:21 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

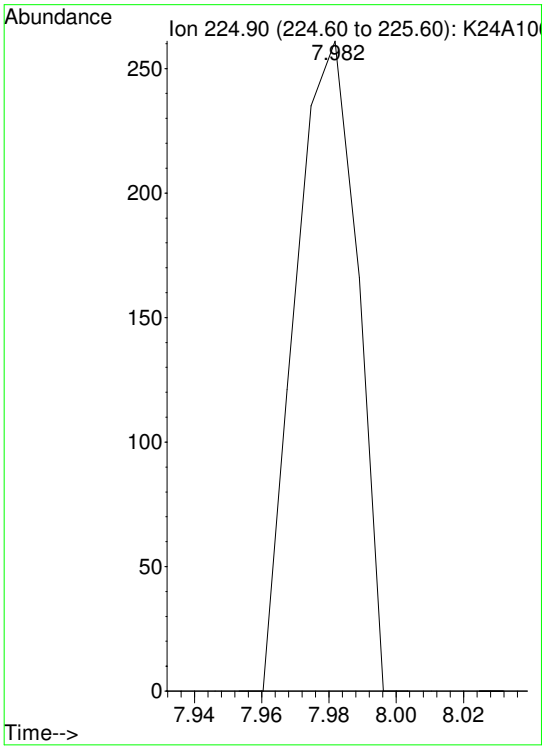
Manual Integration
1,2,4-TRICHLOROBENZENE



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106006.D
Acq On : 15 Apr 2024 01:22 pm
Operator : CMR
Sample : 0.025PPBv STD
Misc : CTWS-4193-2482 05/13

Quant Time : Fri Apr 19 12:52:07 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
HEXACHLOROBUTADIENE



Original Int. Results

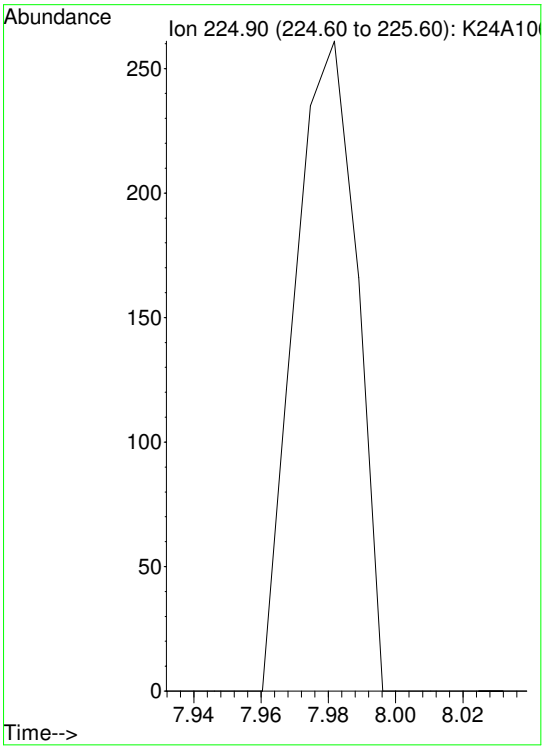
RT : 7.98
Area : 336
Amount: 0.0203749

Manual Int. Results

Fri Apr 19 12:51:18 2024

MIuser: KMC
Reason: Other
RT : 0.00
Area : 0
Amount: 0

Manual Integration
HEXACHLOROBUTADIENE



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106007.D
Acq On : 15 Apr 2024 01:51 pm
Operator : CMR
Sample : 0.050PPBv STD Inst : SYSK
Misc : CTWS-4193-2482 05/13
ALS Vial : 1 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 09:10:31 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.904	49	95696	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.528	114	215412	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.142	117	196927	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.902	49	102627	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.533	114	232017	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.148	117	207079	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.799	174	104455	6.324	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 79.00%			
88) 4-BROMOFLUOROBENZENE (...	5.798	174	108245	6.652	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 83.13%			
Target Compounds						Qvalue
2) PROPENE	1.530	41	1307	0.236	PPBV #	60
3) DICHLORODIFLUOROMETHANE	1.545	85	1602	0.060	PPBV	96
4) CHLOROMETHANE	1.587	50	848m	0.138	PPBV	
5) FREON 114	1.616	85	1549	0.074	PPBV	91
6) VINYL CHLORIDE	1.652	62	728	0.099	PPBV	94
7) 1,3-BUTADIENE	1.687	54	759	0.099	PPBV	84
8) BROMOMETHANE	1.766	94	626	0.087	PPBV	91
9) CHLOROETHANE	1.816	64	369	0.097	PPBV	93
10) ACROLEIN	1.951	56	683	0.235	PPBV #	41
11) ACETONE	1.987	43	2047	0.173	PPBV	75
12) TRICHLOROFLUOROMETHANE	2.044	101	1497	0.050	PPBV	86
13) ETHANOL	1.844	45	480	0.344	PPBV #	1
14) 1,1-DICHLOROETHENE	2.245	61	1215	0.079	PPBV	95
15) METHYLENE CHLORIDE	2.283	49	889	0.095	PPBV #	70
16) FREON 113	2.374	101	1223	0.071	PPBV	92
17) CARBON DISULFIDE	2.382	76	1805	0.098	PPBV	89
18) TRANS-1,2-DICHLOROETHENE	2.563	61	1072	0.085	PPBV	81
19) 1,1-DICHLOROETHANE	2.616	63	1469	0.103	PPBV	95
20) MTBE	2.639	73	1884	0.083	PPBV	83
21) IPA	2.065	45	1548	0.105	PPBV	69
22) 2-BUTANONE(MEK)	2.730	43	2041	0.142	PPBV	82
23) CIS-1,2-DICHLOROETHENE	2.851	61	885	0.074	PPBV	90
24) VINYL ACETATE	2.662	43	1900m	0.128	PPBV	
25) HEXANE	2.926	41	838	0.089	PPBV #	89
26) ETHYL ACETATE	2.934	45	228	0.086	PPBV #	35
27) CHLOROFORM	2.941	83	1165	0.062	PPBV	97
28) TETRAHYDROFURAN	3.073	42	627	0.093	PPBV #	43
29) 1,2-DICHLOROETHANE	3.166	62	954	0.060	PPBV #	83
31) 1,1,1-TRICHLOROETHANE	3.252	97	1138	0.062	PPBV	90
32) BENZENE	3.400	78	1719	0.110	PPBV	91
33) CARBON TETRACHLORIDE	3.453	117	948	0.047	PPBV	99
34) CYCLOHEXANE	3.498	84	798	0.120	PPBV #	77
35) 1,2-DICHLOROPROPANE	3.675	63	750	0.114	PPBV	86
36) BROMODICHLOROMETHANE	3.747	83	1338	0.082	PPBV #	85
37) TRICHLOROETHENE	3.762	95	799	0.090	PPBV	86
38) 1,4-DIOXANE	3.783	88	304	0.091	PPBV #	50
39) METHYLMETHACRYLATE	3.855	69	468	0.089	PPBV	90

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106007.D
Acq On : 15 Apr 2024 01:51 pm
Operator : CMR
Sample : 0.050PPBv STD Inst : SYSK
Misc : CTWS-4193-2482 05/13
ALS Vial : 1 Sample Multiplier: 1
InstName : SYSK

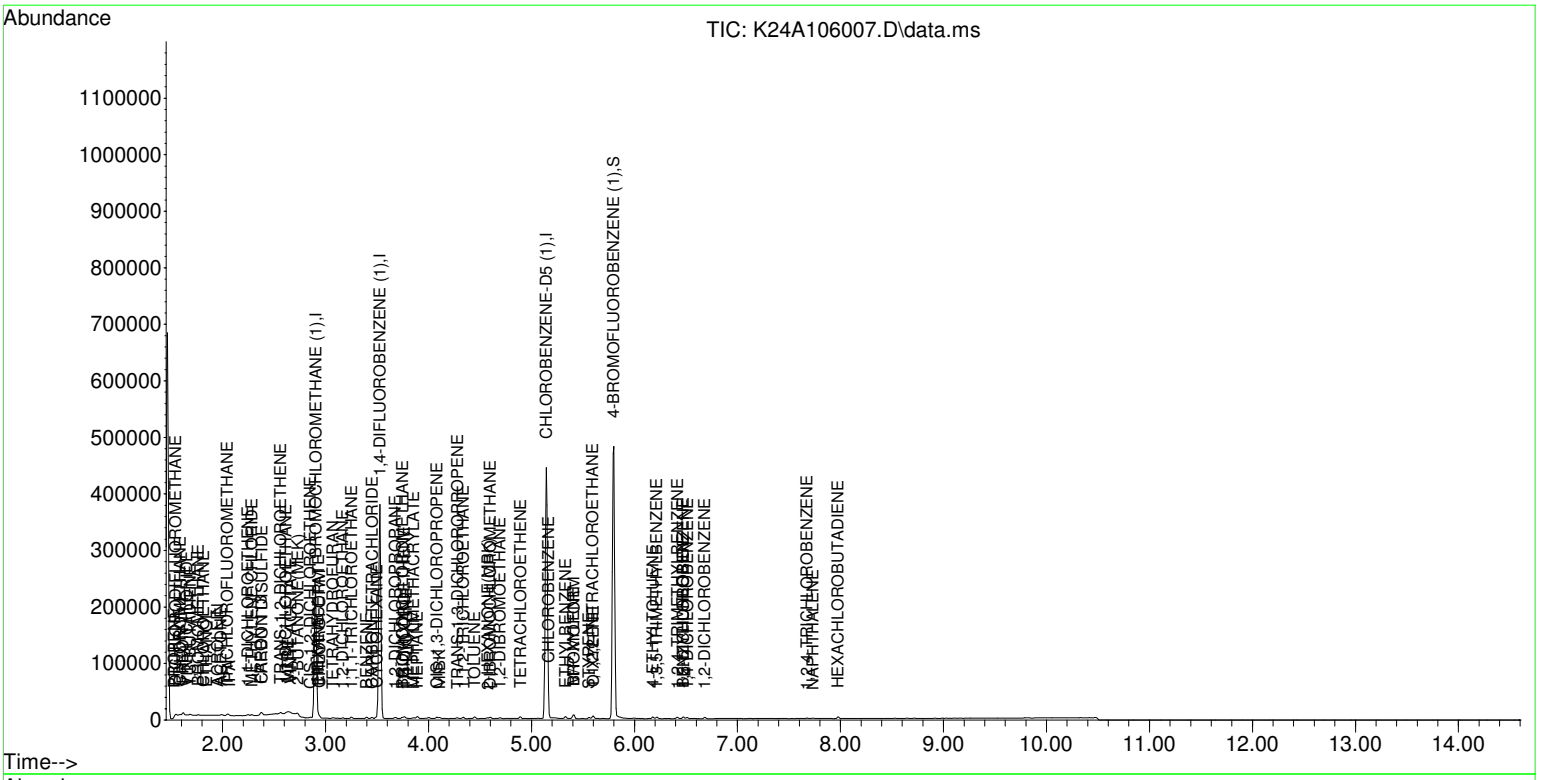
Quant Time: Apr 19 09:10:31 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

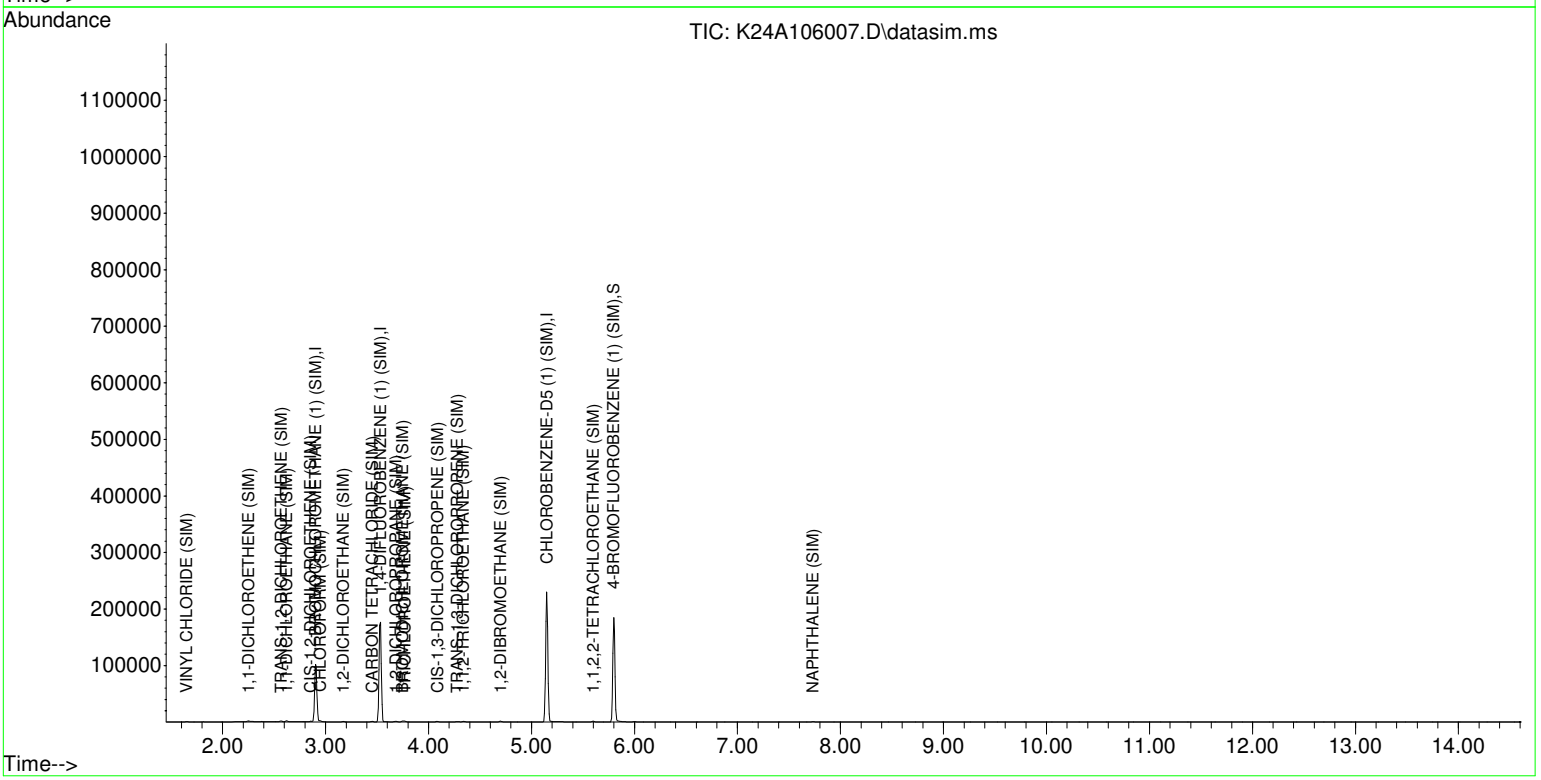
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) HEPTANE	3.891	57	566	0.096	PPBV		93
41) MIBK	4.108	58	475	0.092	PPBV	#	70
42) CIS-1,3-DICHLOROPROPENE	4.080	75	963	0.091	PPBV	#	58
43) TRANS-1,3-DICHLOROPROPENE	4.281	75	655	0.069	PPBV	#	55
45) 1,1,2-TRICHLOROETHANE	4.339	97	597	0.084	PPBV		88
46) TOLUENE	4.446	91	2131	0.105	PPBV		89
47) 2-HEXANONE(MBK)	4.576	43	1294	0.107	PPBV	#	77
48) DIBROMOCHLOROMETHANE	4.598	129	934	0.057	PPBV		96
49) 1,2-DIBROMOETHANE	4.691	107	1013	0.084	PPBV		89
50) TETRACHLOROETHENE	4.893	166	686	0.057	PPBV		90
51) CHLOROBENZENE	5.165	112	1652	0.093	PPBV	#	4
52) ETHYLBENZENE	5.330	91	2337	0.081	PPBV		99
53) M/P-XYLENE	5.405	91	3821	0.157	PPBV		97
54) BROMOFORM	5.412	173	715	0.047	PPBV		78
55) STYRENE	5.555	104	1043	0.068	PPBV		93
56) O-XYLENE	5.600	91	1694	0.071	PPBV		93
57) 1,1,2,2-TETRACHLOROETHANE	5.592	83	1250	0.092	PPBV	#	95
59) 4-ETHYLTOLUENE	6.179	105	2346	0.075	PPBV		94
60) 1,3,5-TRIMETHYLBENZENE	6.214	105	1771m	0.062	PPBV		
61) 1,2,4-TRIMETHYLBENZENE	6.415	105	1741	0.060	PPBV	#	93
62) 1,3-DICHLOROBENZENE	6.472	146	1111	0.057	PPBV		91
63) BENZYL CHLORIDE	6.472	91	727	0.037	PPBV	#	59
64) 1,4-DICHLOROBENZENE	6.515	146	898	0.051	PPBV		92
65) 1,2-DICHLOROBENZENE	6.680	146	1004	0.058	PPBV		85
66) 1,2,4-TRICHLOROBENZENE	7.675	180	443	0.035	PPBV	#	74
67) NAPHTHALENE	7.732	128	1020	0.038	PPBV	#	74
68) HEXACHLOROBUTADIENE	7.975	225	721	0.043	PPBV		92
70] VINYL CHLORIDE (SIM)	1.650	62	721	0.092	PPBV		99
71] 1,1-DICHLOROETHENE (SIM)	2.251	61	1188	0.070	PPBV		97
72] TRANS-1,2-DICHLOROETHE...	2.569	61	1197	0.090	PPBV		98
73] 1,1-DICHLOROETHANE (SIM)	2.622	63	1389	0.089	PPBV		98
74] CIS-1,2-DICHLOROETHENE...	2.857	61	958	0.074	PPBV		100
75] CHLOROFORM (SIM)	2.947	83	1273	0.060	PPBV		99
76] 1,2-DICHLOROETHANE (SIM)	3.172	62	1001	0.057	PPBV		98
78] CARBON TETRACHLORIDE (...	3.451	117	1054	0.055	PPBV		98
79] 1,2-DICHLOROPROPANE (SIM)	3.681	63	735	0.109	PPBV		97
80] BROMODICHLOROMETHANE (...	3.746	83	1287	0.076	PPBV		99
81] TRICHLOROETHENE (SIM)	3.768	95	766	0.084	PPBV		98
82] CIS-1,3-DICHLOROPROPEN...	4.085	75	978	0.084	PPBV		92
83] TRANS-1,3-DICHLOROPROP...	4.280	75	761	0.074	PPBV		95
85] 1,1,2-TRICHLOROETHANE ...	4.337	97	711	0.099	PPBV		92
86] 1,2-DIBROMOETHANE (SIM)	4.697	107	1011	0.086	PPBV		99
87] 1,1,2,2-TETRACHLOROETH...	5.598	83	1444	0.097	PPBV		99
89] NAPHTHALENE (SIM)	7.731	128	1314	0.045	PPBV		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106007.D
Acq On : 15 Apr 2024 01:51 pm
Operator : CMR
Sample : 0.050PPBv STD Inst : SYSK
Misc : CTWS-4193-2482 05/13
ALS Vial : 1 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 09:10:31 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

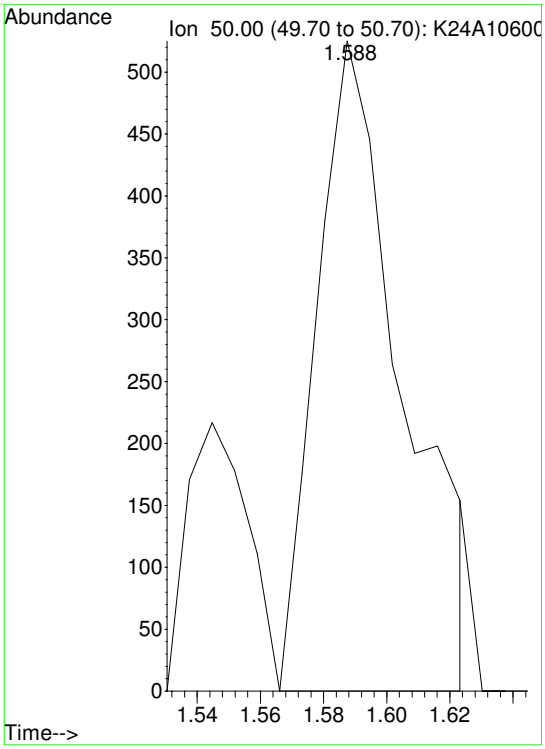




Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106007.D
Acq On : 15 Apr 2024 01:51 pm
Operator : CMR
Sample : 0.050PPBv STD
Misc : CTWS-4193-2482 05/13

Quant Time : Fri Apr 19 13:17:44 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
CHLOROMETHANE



Original Int. Results

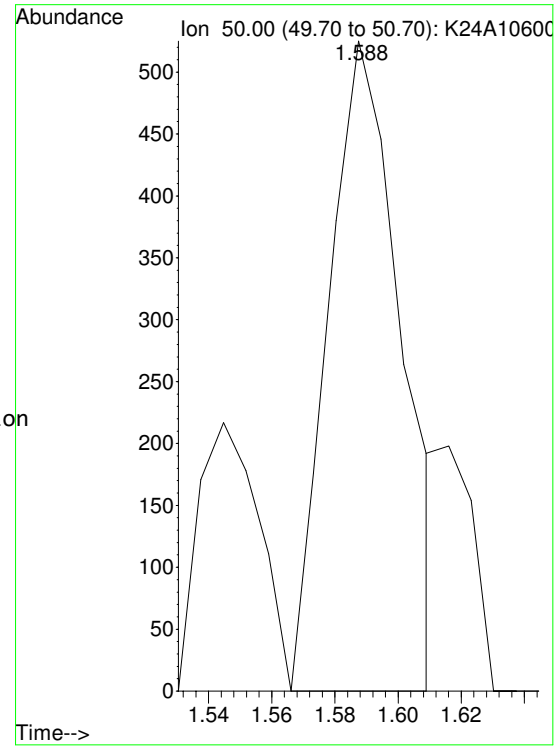
RT : 1.59
Area : 999
Amount: 0.162207

Manual Int. Results

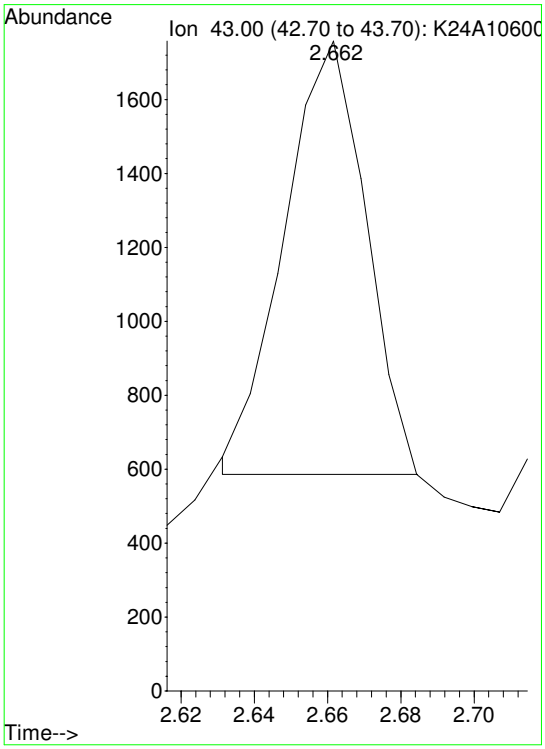
Fri Apr 19 12:49:50 2024

MIuser: KMC
Reason: Incorrect Integration
RT : 1.59
Area : 848
Amount: 0.137689

Manual Integration
CHLOROMETHANE



Original Integration
VINYL ACETATE



Original Int. Results

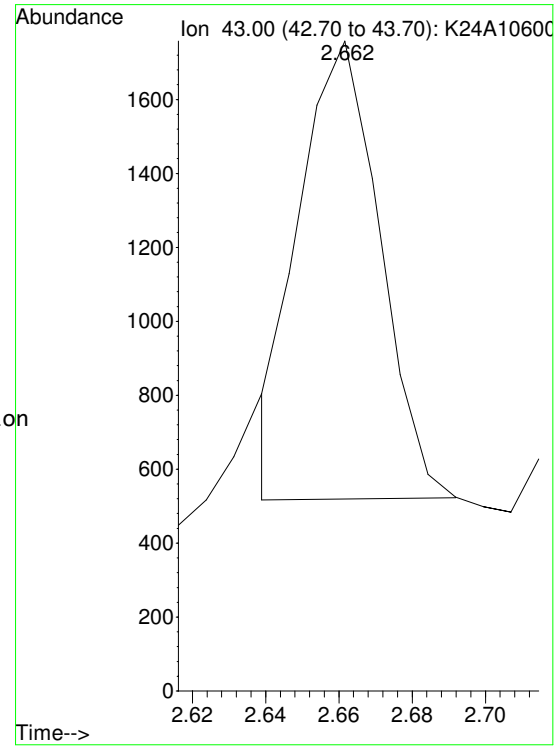
RT : 2.66
Area : 1817
Amount: 0.121965

Manual Int. Results

Fri Apr 19 13:17:44 2024

MIuser: KMC
Reason: Incorrect Integration
RT : 2.66
Area : 1900
Amount: 0.127537

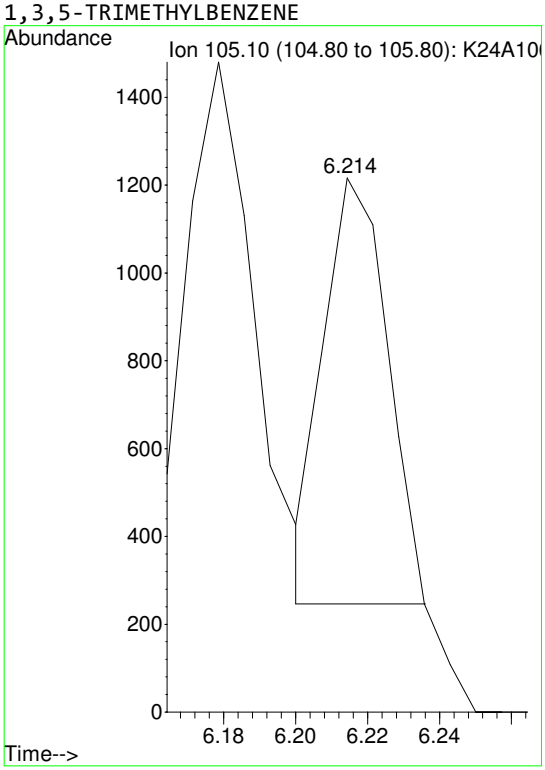
Manual Integration
VINYL ACETATE



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106007.D
Acq On : 15 Apr 2024 01:51 pm
Operator : CMR
Sample : 0.050PPBv STD
Misc : CTWS-4193-2482 05/13

Quant Time : Fri Apr 19 13:17:44 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
1,3,5-TRIMETHYLBENZENE



Original Int. Results

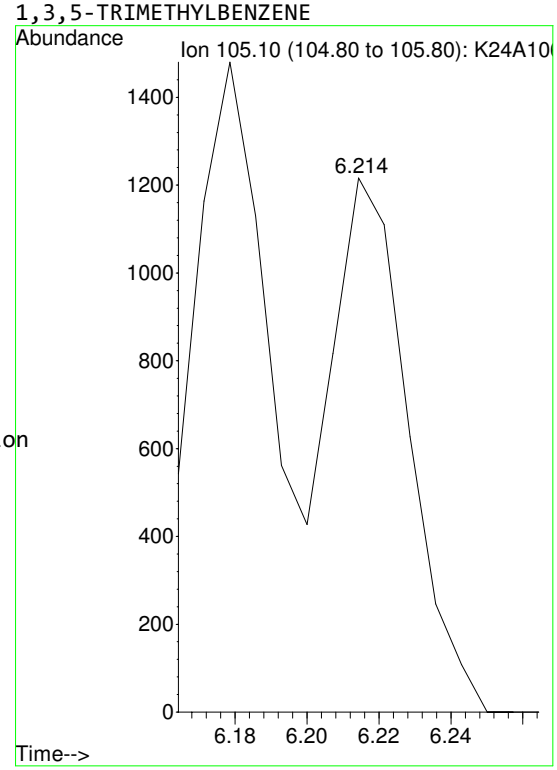
RT : 6.21
Area : 1196
Amount: 0.0417075

Manual Int. Results

Fri Apr 19 12:50:21 2024

MIuser: KMC
Reason: Incorrect Integration
RT : 6.21
Area : 1771
Amount: 0.0617592

Manual Integration
1,3,5-TRIMETHYLBENZENE



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106008.D
Acq On : 15 Apr 2024 02:20 pm
Operator : CMR
Sample : 0.10PPBv STD Inst : SYSK
Misc : CTWS-4192-2465 05/12
ALS Vial : 2 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 09:10:34 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.903	49	93393	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.527	114	210403	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.142	117	189035	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.902	49	100636	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.533	114	224815	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.148	117	200543	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.799	174	97668	6.160	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 77.00%			
88) 4-BROMOFLUOROBENZENE (...	5.798	174	103430	6.563	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 82.00%			
Target Compounds						Qvalue
2) PROPENE	1.530	41	1377	0.255	PPBV #	61
3) DICHLORODIFLUOROMETHANE	1.544	85	2001	0.076	PPBV	98
4) CHLOROMETHANE	1.587	50	1018m	0.169	PPBV	
5) FREON 114	1.616	85	2008	0.099	PPBV	94
6) VINYL CHLORIDE	1.651	62	827	0.115	PPBV	95
7) 1,3-BUTADIENE	1.687	54	938	0.138	PPBV	91
8) BROMOMETHANE	1.765	94	656	0.093	PPBV	94
9) CHLOROETHANE	1.815	64	426	0.115	PPBV	88
10) ACROLEIN	1.951	56	740	0.261	PPBV #	56
11) ACETONE	1.986	43	2323	0.201	PPBV	83
12) TRICHLOROFLUOROMETHANE	2.043	101	1820	0.063	PPBV	87
13) ETHANOL	1.844	45	240	0.176	PPBV #	1
14) 1,1-DICHLOROETHENE	2.245	61	1466	0.098	PPBV	97
15) METHYLENE CHLORIDE	2.283	49	1177	0.129	PPBV	94
16) FREON 113	2.374	101	1341	0.080	PPBV	89
17) CARBON DISULFIDE	2.381	76	2091	0.116	PPBV	94
18) TRANS-1,2-DICHLOROETHENE	2.563	61	1228	0.100	PPBV	82
19) 1,1-DICHLOROETHANE	2.616	63	1612	0.115	PPBV	88
20) MTBE	2.639	73	1991	0.090	PPBV	83
21) IPA	2.065	45	1554	0.108	PPBV	100
22) 2-BUTANONE(MEK)	2.729	43	2258	0.161	PPBV	88
23) CIS-1,2-DICHLOROETHENE	2.850	61	1157	0.099	PPBV	91
24) VINYL ACETATE	2.661	43	2078m	0.143	PPBV	
25) HEXANE	2.926	41	1105	0.120	PPBV #	91
26) ETHYL ACETATE	2.934	45	395	0.153	PPBV #	23
27) CHLOROFORM	2.941	83	1568	0.086	PPBV	90
28) TETRAHYDROFURAN	3.073	42	587	0.089	PPBV #	50
29) 1,2-DICHLOROETHANE	3.166	62	1166	0.075	PPBV #	93
31) 1,1,1-TRICHLOROETHANE	3.251	97	1432	0.080	PPBV	97
32) BENZENE	3.400	78	2018	0.132	PPBV	93
33) CARBON TETRACHLORIDE	3.452	117	1368	0.070	PPBV	85
34) CYCLOHEXANE	3.497	84	1173	0.181	PPBV #	72
35) 1,2-DICHLOROPROPANE	3.682	63	952	0.148	PPBV	96
36) BROMODICHLOROMETHANE	3.747	83	1534	0.097	PPBV #	95
37) TRICHLOROETHENE	3.769	95	885	0.102	PPBV	99
38) 1,4-DIOXANE	3.783	88	182	0.056	PPBV #	10
39) METHYLMETHACRYLATE	3.855	69	574	0.112	PPBV #	75

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106008.D
Acq On : 15 Apr 2024 02:20 pm
Operator : CMR
Sample : 0.10PPBv STD Inst : SYSK
Misc : CTWS-4192-2465 05/12
ALS Vial : 2 Sample Multiplier: 1
InstName : SYSK

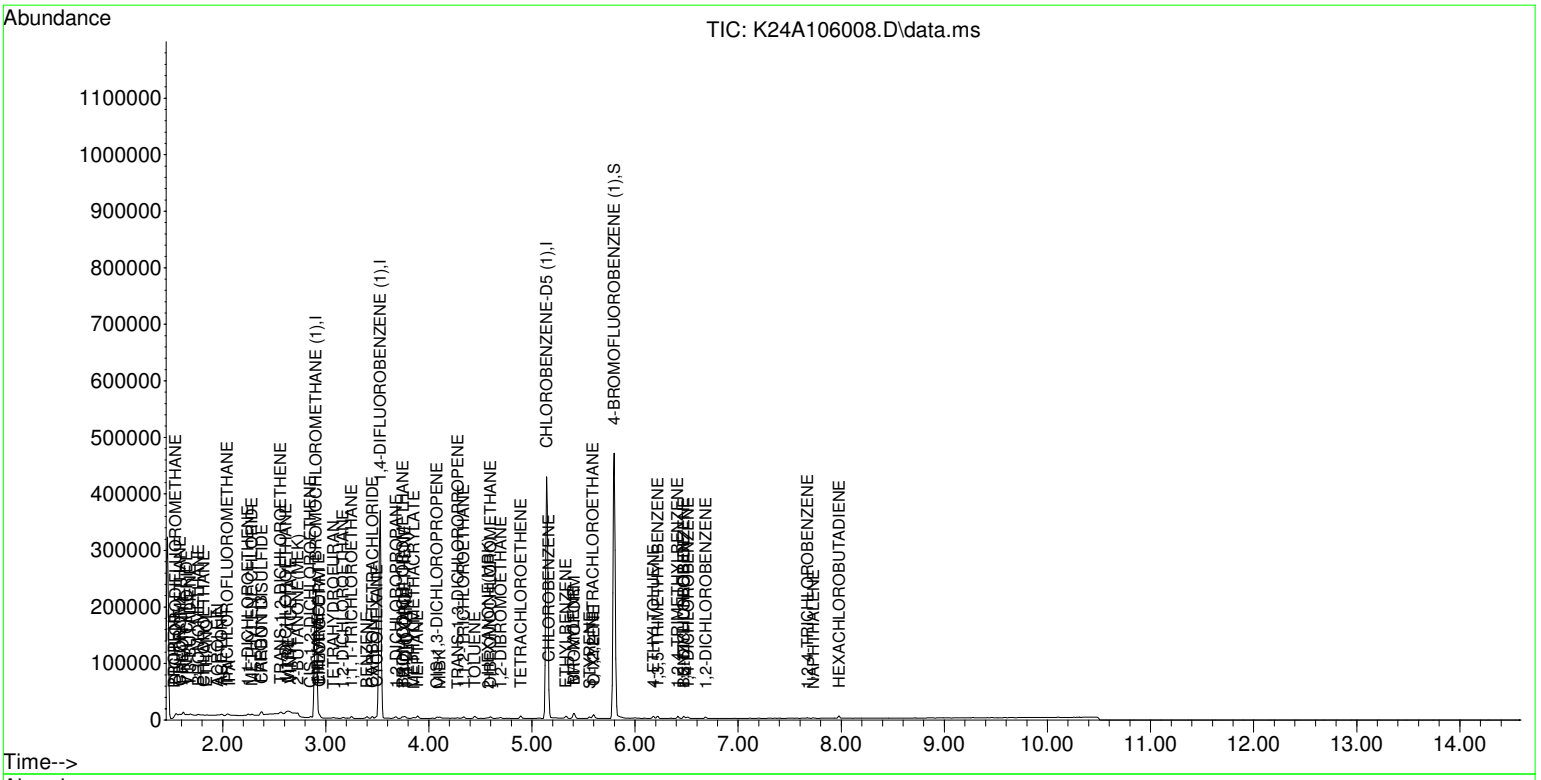
Quant Time: Apr 19 09:10:34 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

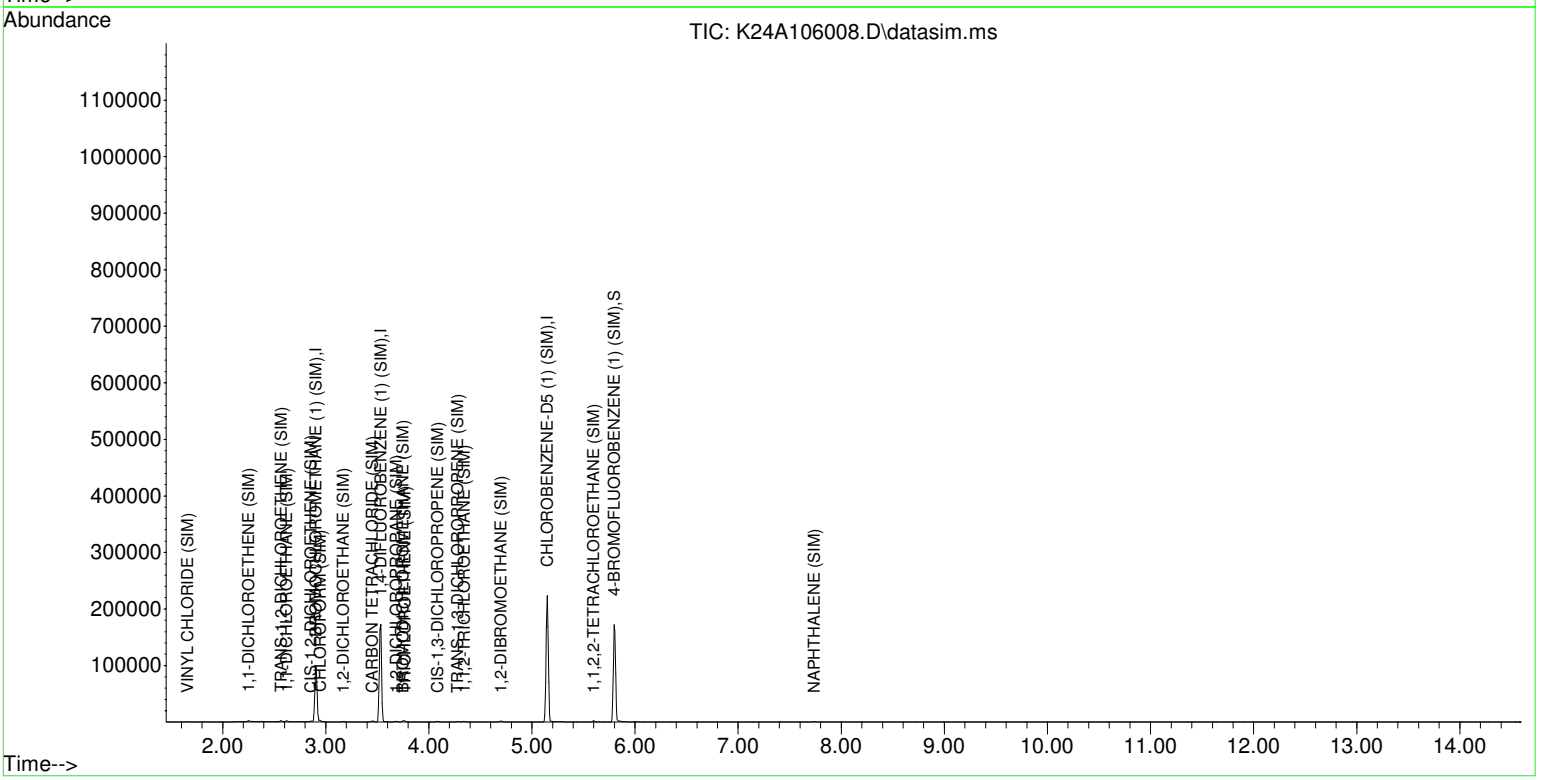
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) HEPTANE	3.891	57	835	0.145	PPBV #	79
41) MIBK	4.108	58	495	0.098	PPBV #	64
42) CIS-1,3-DICHLOROPROPENE	4.079	75	1165	0.113	PPBV	95
43) TRANS-1,3-DICHLOROPROPENE	4.281	75	855	0.092	PPBV #	55
45) 1,1,2-TRICHLOROETHANE	4.338	97	861	0.127	PPBV	86
46) TOLUENE	4.446	91	2342	0.120	PPBV	87
47) 2-HEXANONE(MBK)	4.576	43	1336	0.116	PPBV #	65
48) DIBROMOCHLOROMETHANE	4.597	129	1281	0.081	PPBV	95
49) 1,2-DIBROMOETHANE	4.698	107	1210	0.104	PPBV	87
50) TETRACHLOROETHENE	4.892	166	962	0.083	PPBV	98
51) CHLOROBENZENE	5.164	112	1591	0.093	PPBV #	1
52) ETHYLBENZENE	5.329	91	2833	0.103	PPBV	96
53) M/P-XYLENE	5.404	91	4812	0.205	PPBV	92
54) BROMOFORM	5.412	173	883	0.060	PPBV	95
55) STYRENE	5.562	104	1251	0.085	PPBV	92
56) O-XYLENE	5.600	91	2276	0.099	PPBV	97
57) 1,1,2,2-TETRACHLOROETHANE	5.592	83	1715	0.131	PPBV	98
59) 4-ETHYLTOLUENE	6.178	105	2613	0.087	PPBV	97
60) 1,3,5-TRIMETHYLBENZENE	6.221	105	1448	0.053	PPBV	99
61) 1,2,4-TRIMETHYLBENZENE	6.414	105	2146	0.077	PPBV #	96
62) 1,3-DICHLOROBENZENE	6.472	146	1039	0.056	PPBV	90
63) BENZYL CHLORIDE	6.472	91	905	0.048	PPBV #	59
64) 1,4-DICHLOROBENZENE	6.515	146	1023	0.061	PPBV	87
65) 1,2-DICHLOROBENZENE	6.686	146	1065	0.064	PPBV	91
66) 1,2,4-TRICHLOROBENZENE	7.675	180	480	0.039	PPBV #	73
67) NAPHTHALENE	7.732	128	1160	0.044	PPBV #	74
68) HEXACHLOROBUTADIENE	7.982	225	852	0.053	PPBV	71
70] VINYL CHLORIDE (SIM)	1.657	62	904	0.118	PPBV	96
71] 1,1-DICHLOROETHENE (SIM)	2.251	61	1467	0.088	PPBV	97
72] TRANS-1,2-DICHLOROETHE...	2.569	61	1398	0.107	PPBV	98
73] 1,1-DICHLOROETHANE (SIM)	2.622	63	1747	0.115	PPBV	98
74] CIS-1,2-DICHLOROETHENE...	2.856	61	1140	0.089	PPBV	99
75] CHLOROFORM (SIM)	2.947	83	1554	0.074	PPBV	99
76] 1,2-DICHLOROETHANE (SIM)	3.172	62	1205	0.070	PPBV	99
78] CARBON TETRACHLORIDE (...	3.451	117	1375	0.074	PPBV	98
79] 1,2-DICHLOROPROPANE (SIM)	3.681	63	878	0.134	PPBV	96
80] BROMODICHLOROMETHANE (...	3.746	83	1596	0.098	PPBV	100
81] TRICHLOROETHENE (SIM)	3.767	95	926	0.105	PPBV	97
82] CIS-1,3-DICHLOROPROPEN...	4.085	75	1190	0.106	PPBV	95
83] TRANS-1,3-DICHLOROPROP...	4.279	75	852	0.086	PPBV	95
85] 1,1,2-TRICHLOROETHANE ...	4.344	97	846	0.122	PPBV	92
86] 1,2-DIBROMOETHANE (SIM)	4.697	107	1194	0.105	PPBV	99
87] 1,1,2,2-TETRACHLOROETH...	5.598	83	1730	0.120	PPBV	99
89] NAPHTHALENE (SIM)	7.738	128	1447	0.051	PPBV	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106008.D
Acq On : 15 Apr 2024 02:20 pm
Operator : CMR
Sample : 0.10PPBv STD Inst : SYSK
Misc : CTWS-4192-2465 05/12
ALS Vial : 2 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 09:10:34 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

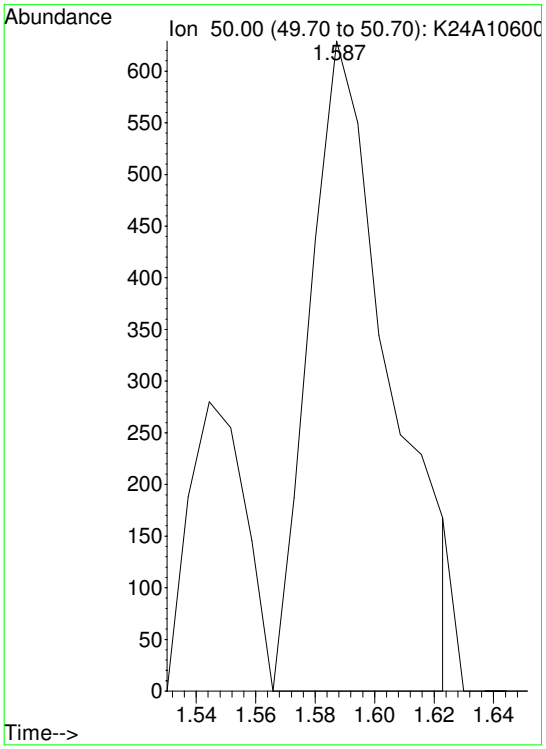




Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106008.D
Acq On : 15 Apr 2024 02:20 pm
Operator : CMR
Sample : 0.10PPBv STD
Misc : CTWS-4192-2465 05/12

Quant Time : Fri Apr 19 13:18:49 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
CHLOROMETHANE



Original Int. Results

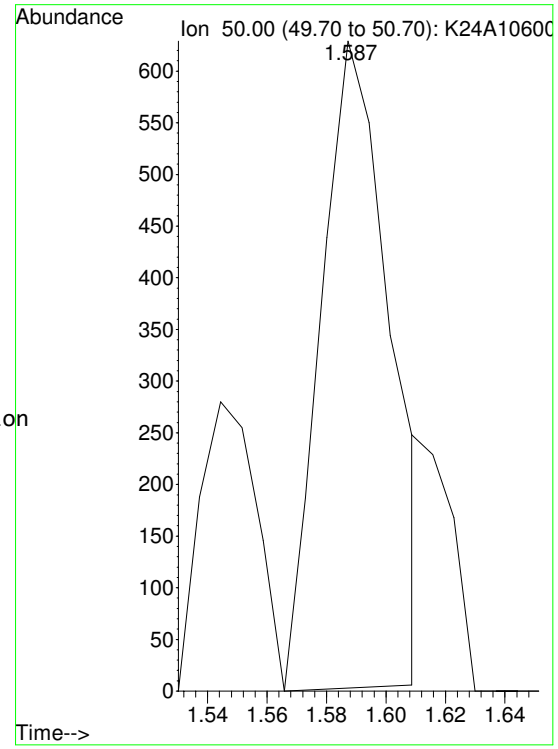
RT : 1.59
Area : 1195
Amount: 0.198816

Manual Int. Results

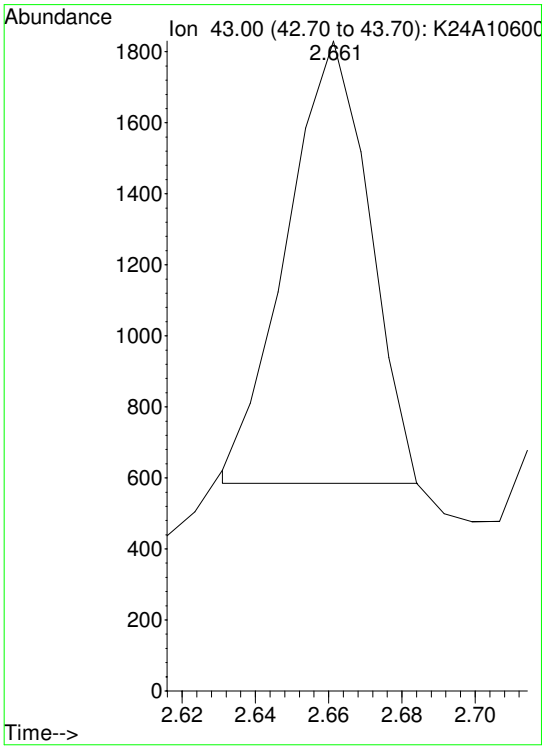
Fri Apr 19 11:46:44 2024

MIuser: KMC
Reason: Incorrect Integration
RT : 1.59
Area : 1018
Amount: 0.169368

Manual Integration
CHLOROMETHANE



Original Integration
VINYL ACETATE



Original Int. Results

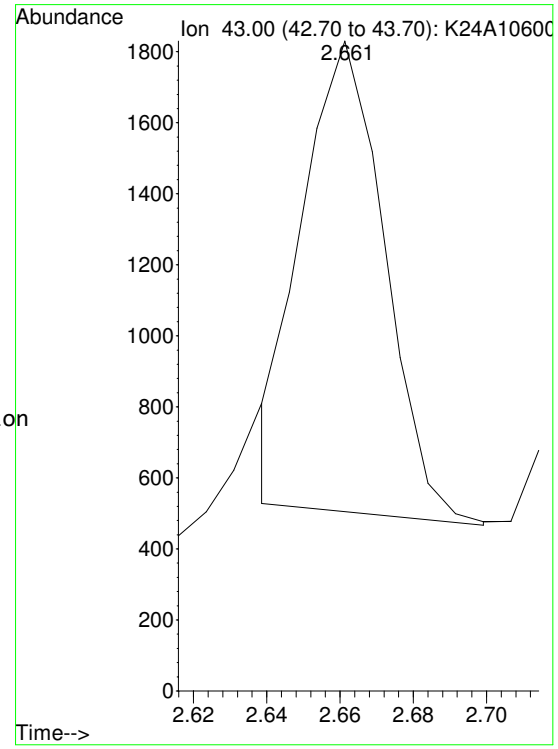
RT : 2.66
Area : 1950
Amount: 0.134121

Manual Int. Results

Fri Apr 19 13:18:49 2024

MIuser: KMC
Reason: Incorrect Integration
RT : 2.66
Area : 2078
Amount: 0.142924

Manual Integration
VINYL ACETATE



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106009.D
Acq On : 15 Apr 2024 02:47 pm
Operator : CMR
Sample : 0.20PPBv STD Inst : SYSK
Misc : CTWS-4192-2465 05/12
ALS Vial : 2 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 09:10:37 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.896	49	91851	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.527	114	205884	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.142	117	185332	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.902	49	98892	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.526	114	221839	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.148	117	197301	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.799	174	98392	6.330	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 79.13%			
88) 4-BROMOFLUOROBENZENE (...	5.798	174	102672	6.622	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 82.75%			
Target Compounds						Qvalue
2) PROPENE	1.530	41	1849	0.348	PPBV #	72
3) DICHLORODIFLUOROMETHANE	1.545	85	3805	0.148	PPBV	97
4) CHLOROMETHANE	1.587	50	1526m	0.258	PPBV	
5) FREON 114	1.616	85	3855	0.193	PPBV	95
6) VINYL CHLORIDE	1.644	62	1625	0.229	PPBV	96
7) 1,3-BUTADIENE	1.687	54	1604	0.276	PPBV	97
8) BROMOMETHANE	1.766	94	1277	0.185	PPBV	80
9) CHLOROETHANE	1.808	64	972	0.266	PPBV	95
10) ACROLEIN	1.944	56	1057	0.378	PPBV #	55
11) ACETONE	1.987	43	3166	0.278	PPBV	83
12) TRICHLOROFLUOROMETHANE	2.044	101	3929	0.137	PPBV	100
13) ETHANOL	1.844	45	600	0.448	PPBV #	1
14) 1,1-DICHLOROETHENE	2.245	61	2657	0.180	PPBV	92
15) METHYLENE CHLORIDE	2.283	49	2020	0.226	PPBV	94
16) FREON 113	2.374	101	3189	0.193	PPBV	93
17) CARBON DISULFIDE	2.374	76	3931	0.221	PPBV	84
18) TRANS-1,2-DICHLOROETHENE	2.563	61	2656	0.219	PPBV	90
19) 1,1-DICHLOROETHANE	2.616	63	3471	0.252	PPBV	95
20) MTBE	2.639	73	4206	0.192	PPBV	88
21) IPA	2.058	45	2874	0.202	PPBV	96
22) 2-BUTANONE(MEK)	2.730	43	3718	0.270	PPBV	99
23) CIS-1,2-DICHLOROETHENE	2.851	61	2262	0.197	PPBV	98
24) VINYL ACETATE	2.661	43	4011m	0.281	PPBV	
25) HEXANE	2.926	41	1882	0.208	PPBV	91
26) ETHYL ACETATE	2.934	45	497	0.196	PPBV #	74
27) CHLOROFORM	2.941	83	3156	0.175	PPBV	91
28) TETRAHYDROFURAN	3.073	42	1329	0.205	PPBV	81
29) 1,2-DICHLOROETHANE	3.166	62	2323	0.152	PPBV #	95
31) 1,1,1-TRICHLOROETHANE	3.252	97	2918	0.166	PPBV	94
32) BENZENE	3.400	78	3902	0.261	PPBV	93
33) CARBON TETRACHLORIDE	3.452	117	2644	0.138	PPBV	94
34) CYCLOHEXANE	3.498	84	1570	0.248	PPBV #	74
35) 1,2-DICHLOROPROPANE	3.675	63	1801	0.286	PPBV	93
36) BROMODICHLOROMETHANE	3.747	83	3084	0.199	PPBV	96
37) TRICHLOROETHENE	3.762	95	1885	0.221	PPBV	98
38) 1,4-DIOXANE	3.776	88	520	0.163	PPBV #	66
39) METHYLMETHACRYLATE	3.855	69	1358	0.270	PPBV	93

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106009.D
Acq On : 15 Apr 2024 02:47 pm
Operator : CMR
Sample : 0.20PPBv STD Inst : SYSK
Misc : CTWS-4192-2465 05/12
ALS Vial : 2 Sample Multiplier: 1
InstName : SYSK

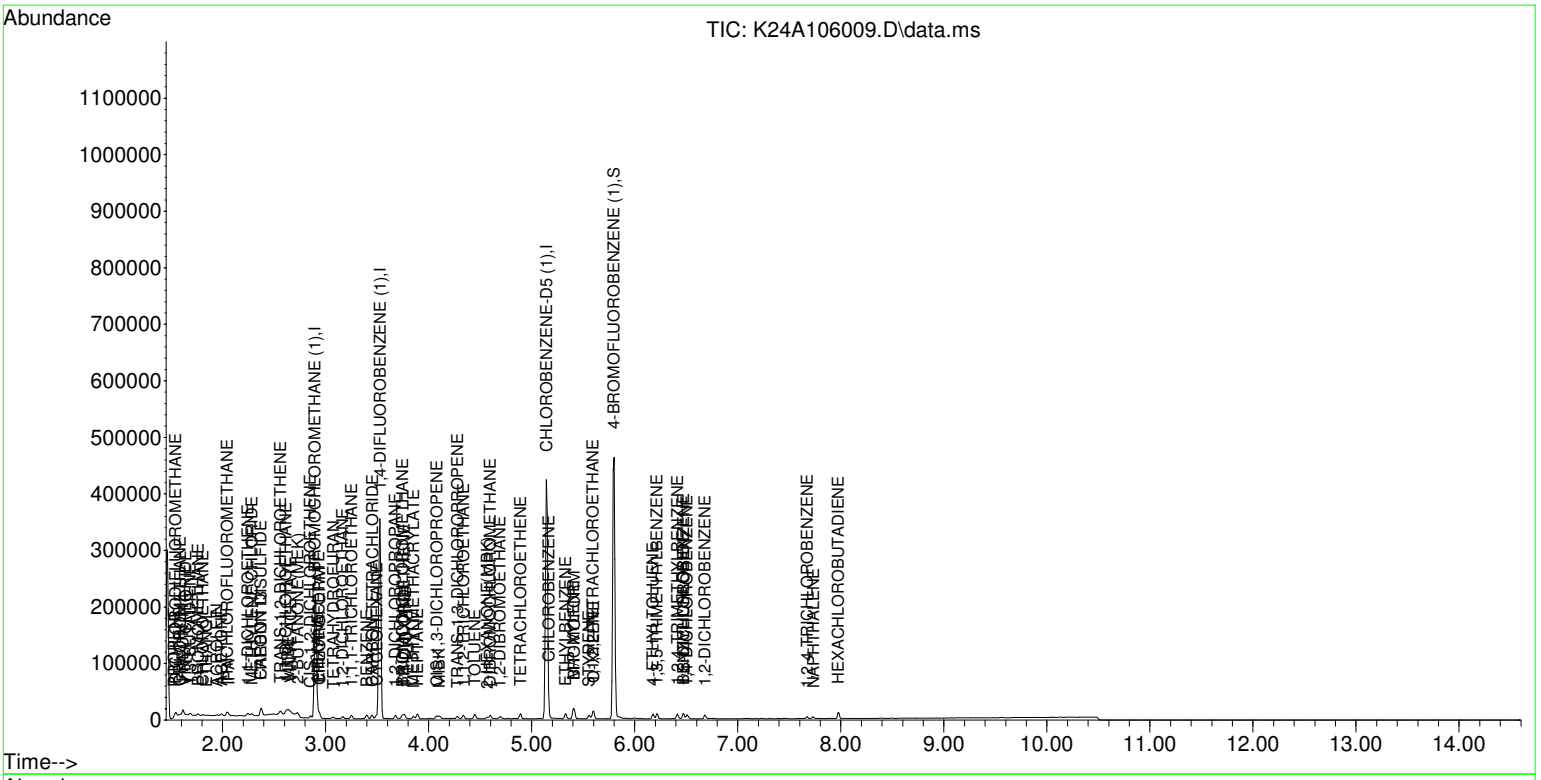
Quant Time: Apr 19 09:10:37 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

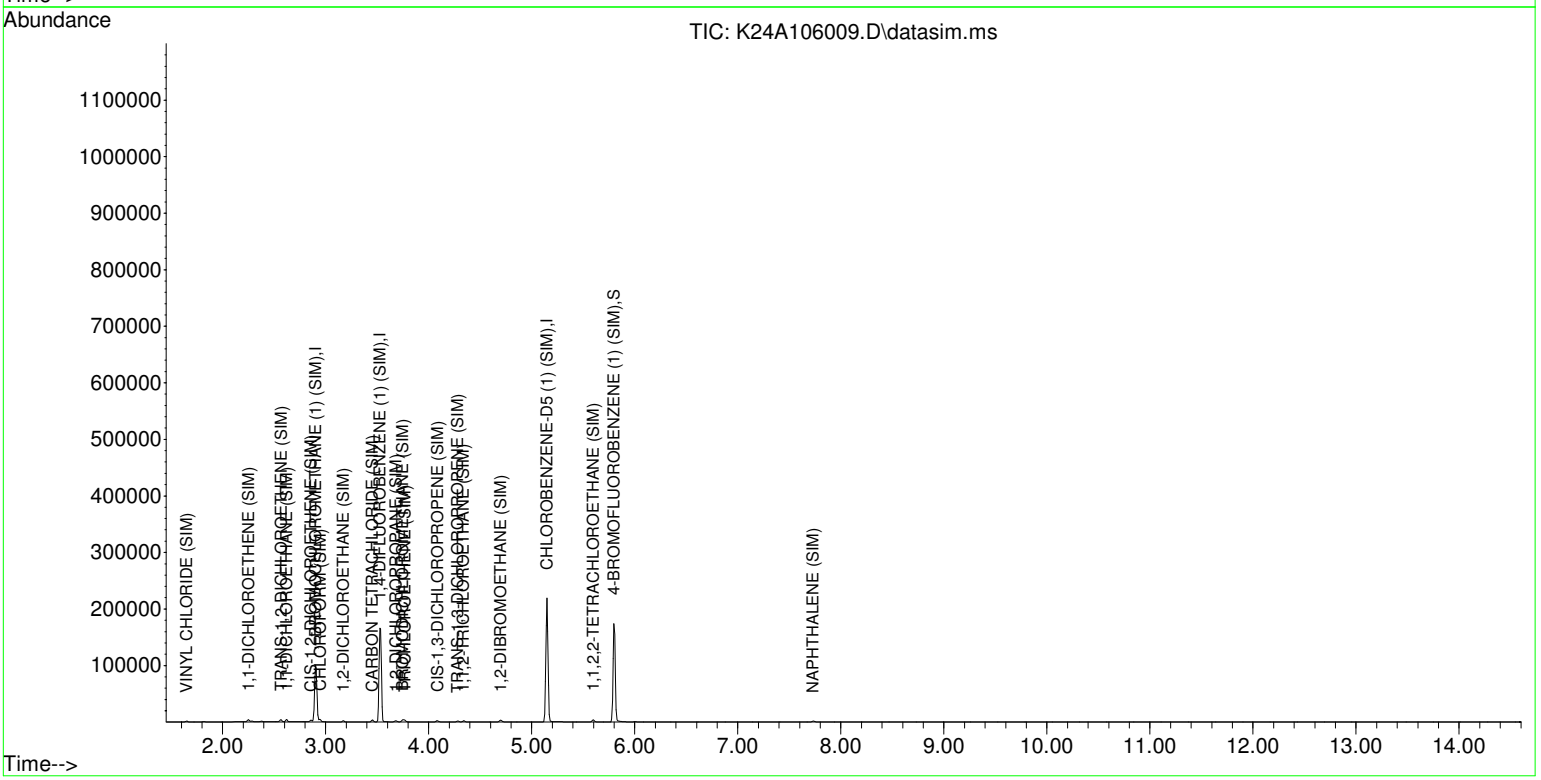
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) HEPTANE	3.891	57	1454	0.259	PPBV		86
41) MIBK	4.101	58	1065	0.215	PPBV		98
42) CIS-1,3-DICHLOROPROPENE	4.079	75	2438	0.241	PPBV		95
43) TRANS-1,3-DICHLOROPROPENE	4.281	75	1772	0.196	PPBV		99
45) 1,1,2-TRICHLOROETHANE	4.338	97	1547	0.233	PPBV		98
46) TOLUENE	4.446	91	4538	0.238	PPBV		100
47) 2-HEXANONE(MBK)	4.569	43	2386	0.211	PPBV	#	87
48) DIBROMOCHLOROMETHANE	4.597	129	2480	0.161	PPBV		100
49) 1,2-DIBROMOETHANE	4.691	107	2445	0.214	PPBV		88
50) TETRACHLOROETHENE	4.892	166	2145	0.189	PPBV		87
51) CHLOROBENZENE	5.165	112	3779	0.226	PPBV	#	69
52) ETHYLBENZENE	5.330	91	5799	0.215	PPBV		95
53) M/P-XYLENE	5.405	91	9091	0.396	PPBV		100
54) BROMOFORM	5.412	173	1855	0.129	PPBV		97
55) STYRENE	5.555	104	2861	0.198	PPBV		98
56) O-XYLENE	5.600	91	4609	0.205	PPBV		98
57) 1,1,2,2-TETRACHLOROETHANE	5.592	83	3327	0.259	PPBV		99
59) 4-ETHYLTOLUENE	6.178	105	5494	0.186	PPBV		94
60) 1,3,5-TRIMETHYLBENZENE	6.214	105	4182m	0.155	PPBV		
61) 1,2,4-TRIMETHYLBENZENE	6.415	105	4348	0.159	PPBV	#	99
62) 1,3-DICHLOROBENZENE	6.472	146	2590	0.142	PPBV		97
63) BENZYL CHLORIDE	6.472	91	2146	0.116	PPBV		100
64) 1,4-DICHLOROBENZENE	6.508	146	2503	0.151	PPBV		96
65) 1,2-DICHLOROBENZENE	6.679	146	2298	0.141	PPBV		99
66) 1,2,4-TRICHLOROBENZENE	7.675	180	1194	0.100	PPBV		92
67) NAPHTHALENE	7.732	128	2673	0.104	PPBV	#	86
68) HEXACHLOROBUTADIENE	7.975	225	1677	0.107	PPBV		95
70] VINYL CHLORIDE (SIM)	1.650	62	1783	0.237	PPBV		99
71] 1,1-DICHLOROETHENE (SIM)	2.251	61	2964	0.181	PPBV		97
72] TRANS-1,2-DICHLOROETHE...	2.569	61	2892	0.225	PPBV		100
73] 1,1-DICHLOROETHANE (SIM)	2.622	63	3505	0.234	PPBV		98
74] CIS-1,2-DICHLOROETHENE...	2.856	61	2313	0.185	PPBV		100
75] CHLOROFORM (SIM)	2.947	83	3040	0.148	PPBV		98
76] 1,2-DICHLOROETHANE (SIM)	3.172	62	2450	0.145	PPBV		98
78] CARBON TETRACHLORIDE (...	3.451	117	2779	0.151	PPBV		98
79] 1,2-DICHLOROPROPANE (SIM)	3.681	63	1795	0.278	PPBV		99
80] BROMODICHLOROMETHANE (...	3.746	83	3175	0.197	PPBV		99
81] TRICHLOROETHENE (SIM)	3.768	95	1901	0.218	PPBV		100
82] CIS-1,3-DICHLOROPROPEN...	4.085	75	2436	0.220	PPBV		95
83] TRANS-1,3-DICHLOROPROP...	4.279	75	1813	0.185	PPBV		96
85] 1,1,2-TRICHLOROETHANE ...	4.337	97	1721	0.252	PPBV		94
86] 1,2-DIBROMOETHANE (SIM)	4.697	107	2448	0.219	PPBV		98
87] 1,1,2,2-TETRACHLOROETH...	5.598	83	3536	0.249	PPBV		99
89] NAPHTHALENE (SIM)	7.731	128	3112	0.112	PPBV		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106009.D
Acq On : 15 Apr 2024 02:47 pm
Operator : CMR
Sample : 0.20PPBv STD Inst : SYSK
Misc : CTWS-4192-2465 05/12
ALS Vial : 2 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 09:10:37 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

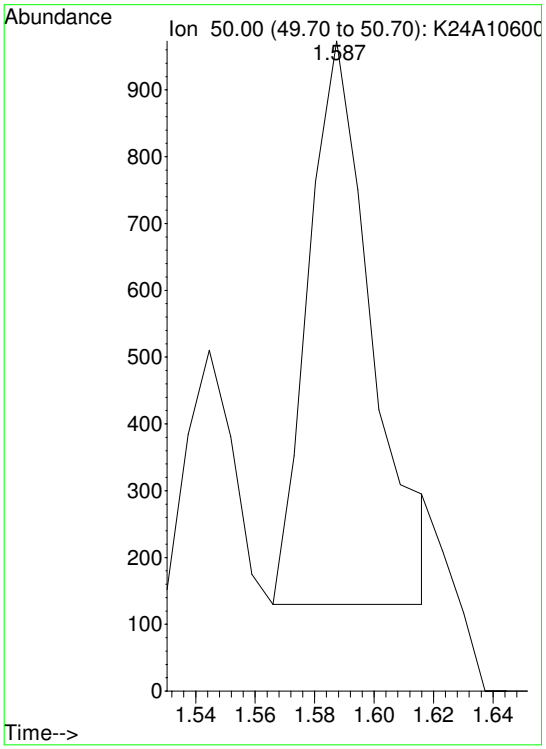




Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106009.D
Acq On : 15 Apr 2024 02:47 pm
Operator : CMR
Sample : 0.20PPBv STD
Misc : CTWS-4192-2465 05/12

Quant Time : Fri Apr 19 13:19:31 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
CHLOROMETHANE



Original Int. Results

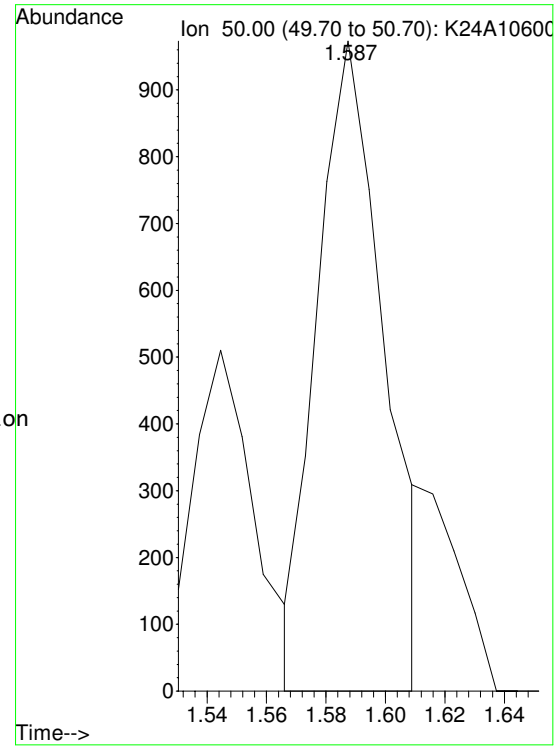
RT : 1.59
Area : 1263
Amount: 0.213657

Manual Int. Results

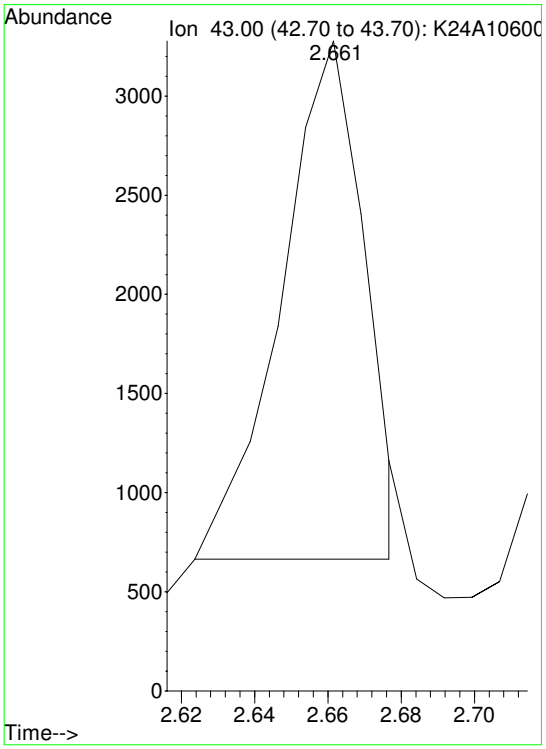
Fri Apr 19 13:19:16 2024

MIuser: KMC
Reason: Incorrect Integration
RT : 1.59
Area : 1526
Amount: 0.258148

Manual Integration
CHLOROMETHANE



Original Integration
VINYL ACETATE



Original Int. Results

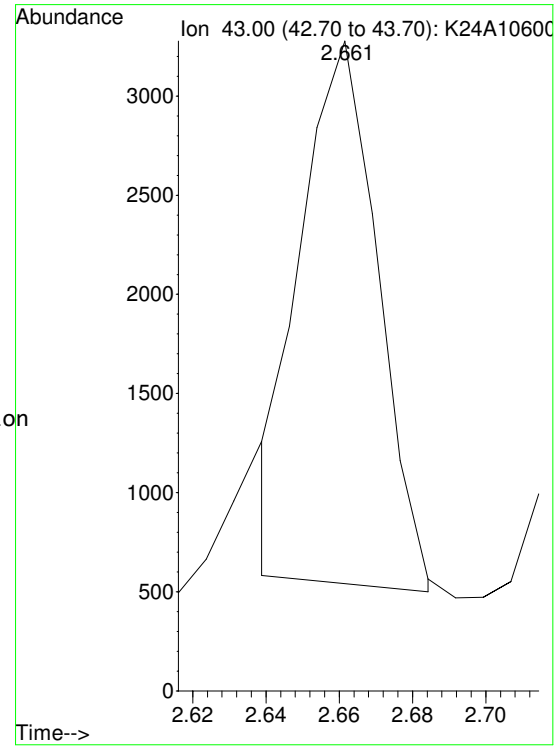
RT : 2.66
Area : 4125
Amount: 0.28848

Manual Int. Results

Fri Apr 19 13:19:31 2024

MIuser: KMC
Reason: Incorrect Integration
RT : 2.66
Area : 4011
Amount: 0.280507

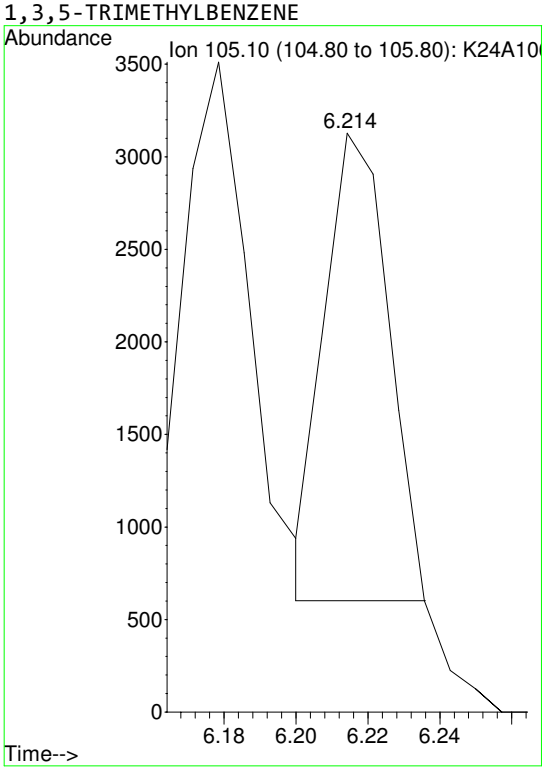
Manual Integration
VINYL ACETATE



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106009.D
Acq On : 15 Apr 2024 02:47 pm
Operator : CMR
Sample : 0.20PPBv STD
Misc : CTWS-4192-2465 05/12

Quant Time : Fri Apr 19 13:19:31 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
1,3,5-TRIMETHYLBENZENE



Original Int. Results

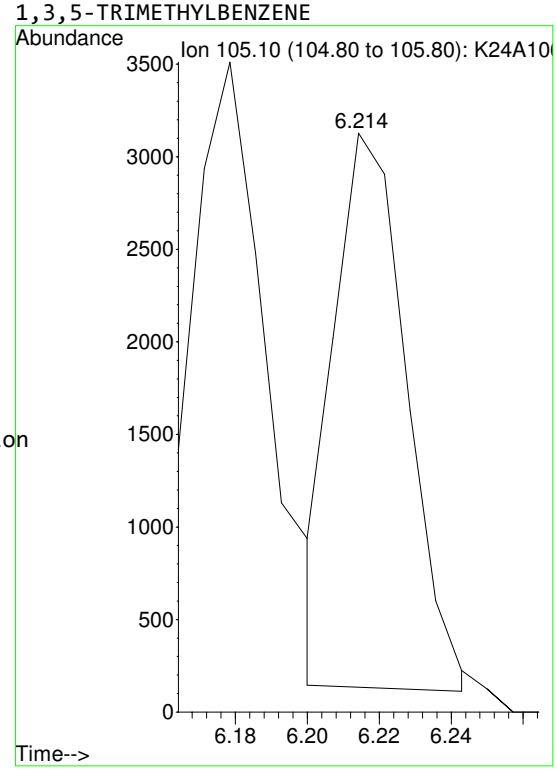
RT : 6.21
Area : 3125
Amount: 0.115795

Manual Int. Results

Fri Apr 19 11:44:53 2024

MIuser: KMC
Reason: Incorrect Integration
RT : 6.21
Area : 4182
Amount: 0.154961

Manual Integration
1,3,5-TRIMETHYLBENZENE



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106010.D
Acq On : 15 Apr 2024 03:15 pm
Operator : CMR
Sample : 0.25PPBv STD Inst : SYSK
Misc : CTWS-4192-2465 05/12
ALS Vial : 2 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 09:10:40 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.904	49	90290	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.527	114	201188	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.142	117	183690	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.902	49	97458	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.533	114	218273	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.148	117	194160	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.799	174	95155	6.176	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 77.25%			
88) 4-BROMOFLUOROBENZENE (...	5.798	174	100169	6.565	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 82.00%			
Target Compounds						Qvalue
2) PROPENE	1.523	41	2052	0.393	PPBV #	75
3) DICHLORODIFLUOROMETHANE	1.545	85	4926	0.194	PPBV	99
4) CHLOROMETHANE	1.587	50	2157m	0.371	PPBV	
5) FREON 114	1.616	85	4884	0.249	PPBV	98
6) VINYL CHLORIDE	1.644	62	1989	0.286	PPBV	98
7) 1,3-BUTADIENE	1.680	54	2008	0.365	PPBV	95
8) BROMOMETHANE	1.758	94	1689	0.249	PPBV	98
9) CHLOROETHANE	1.808	64	1221	0.341	PPBV	88
10) ACROLEIN	1.944	56	865	0.315	PPBV	89
11) ACETONE	1.987	43	3479	0.311	PPBV	76
12) TRICHLOROFLUOROMETHANE	2.044	101	4720	0.168	PPBV	98
13) ETHANOL	1.837	45	624	0.475	PPBV #	1
14) 1,1-DICHLOROETHENE	2.245	61	3452	0.238	PPBV	96
15) METHYLENE CHLORIDE	2.276	49	2524	0.287	PPBV	95
16) FREON 113	2.374	101	3801	0.234	PPBV	96
17) CARBON DISULFIDE	2.374	76	4822	0.276	PPBV	96
18) TRANS-1,2-DICHLOROETHENE	2.563	61	3211	0.269	PPBV	86
19) 1,1-DICHLOROETHANE	2.616	63	4219	0.312	PPBV	96
20) MTBE	2.639	73	5181	0.241	PPBV	90
21) IPA	2.058	45	3877	0.277	PPBV	91
22) 2-BUTANONE(MEK)	2.730	43	4587	0.339	PPBV	99
23) CIS-1,2-DICHLOROETHENE	2.858	61	2751	0.244	PPBV	91
24) VINYL ACETATE	2.661	43	5753m	0.409	PPBV	
25) HEXANE	2.926	41	2423	0.273	PPBV	94
26) ETHYL ACETATE	2.934	45	557	0.224	PPBV	87
27) CHLOROFORM	2.941	83	3718	0.210	PPBV	99
28) TETRAHYDROFURAN	3.073	42	1690	0.265	PPBV	92
29) 1,2-DICHLOROETHANE	3.166	62	2929	0.195	PPBV	93
31) 1,1,1-TRICHLOROETHANE	3.252	97	3710	0.216	PPBV	99
32) BENZENE	3.400	78	4957	0.340	PPBV	95
33) CARBON TETRACHLORIDE	3.452	117	3561	0.190	PPBV	88
34) CYCLOHEXANE	3.497	84	1796	0.290	PPBV #	65
35) 1,2-DICHLOROPROPANE	3.675	63	2180	0.354	PPBV	100
36) BROMODICHLOROMETHANE	3.747	83	3814	0.251	PPBV	99
37) TRICHLOROETHENE	3.762	95	2228	0.267	PPBV	97
38) 1,4-DIOXANE	3.776	88	731	0.234	PPBV #	84
39) METHYLMETHACRYLATE	3.855	69	1695	0.344	PPBV	91

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106010.D
Acq On : 15 Apr 2024 03:15 pm
Operator : CMR
Sample : 0.25PPBv STD Inst : SYSK
Misc : CTWS-4192-2465 05/12
ALS Vial : 2 Sample Multiplier: 1
InstName : SYSK

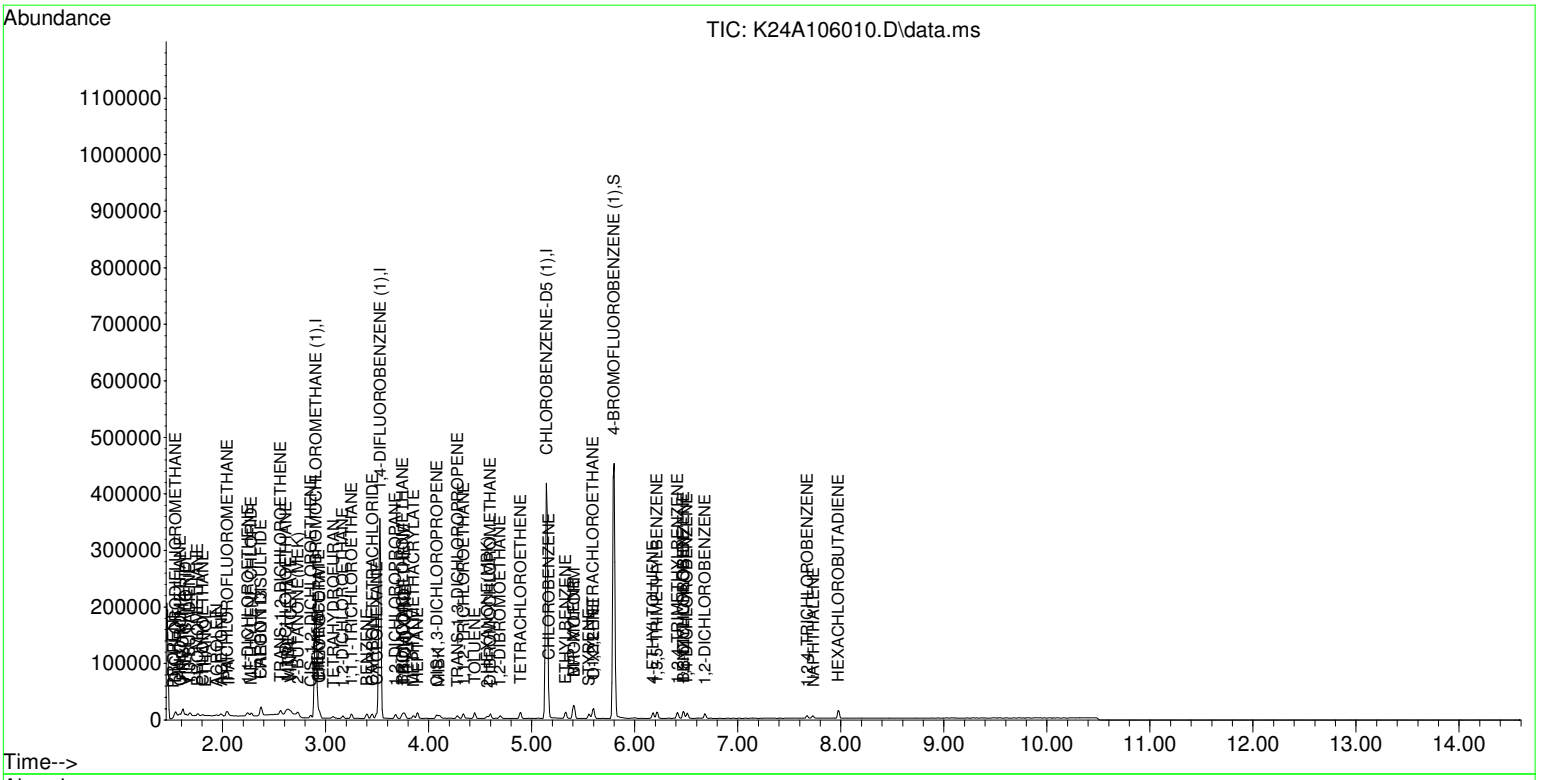
Quant Time: Apr 19 09:10:40 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

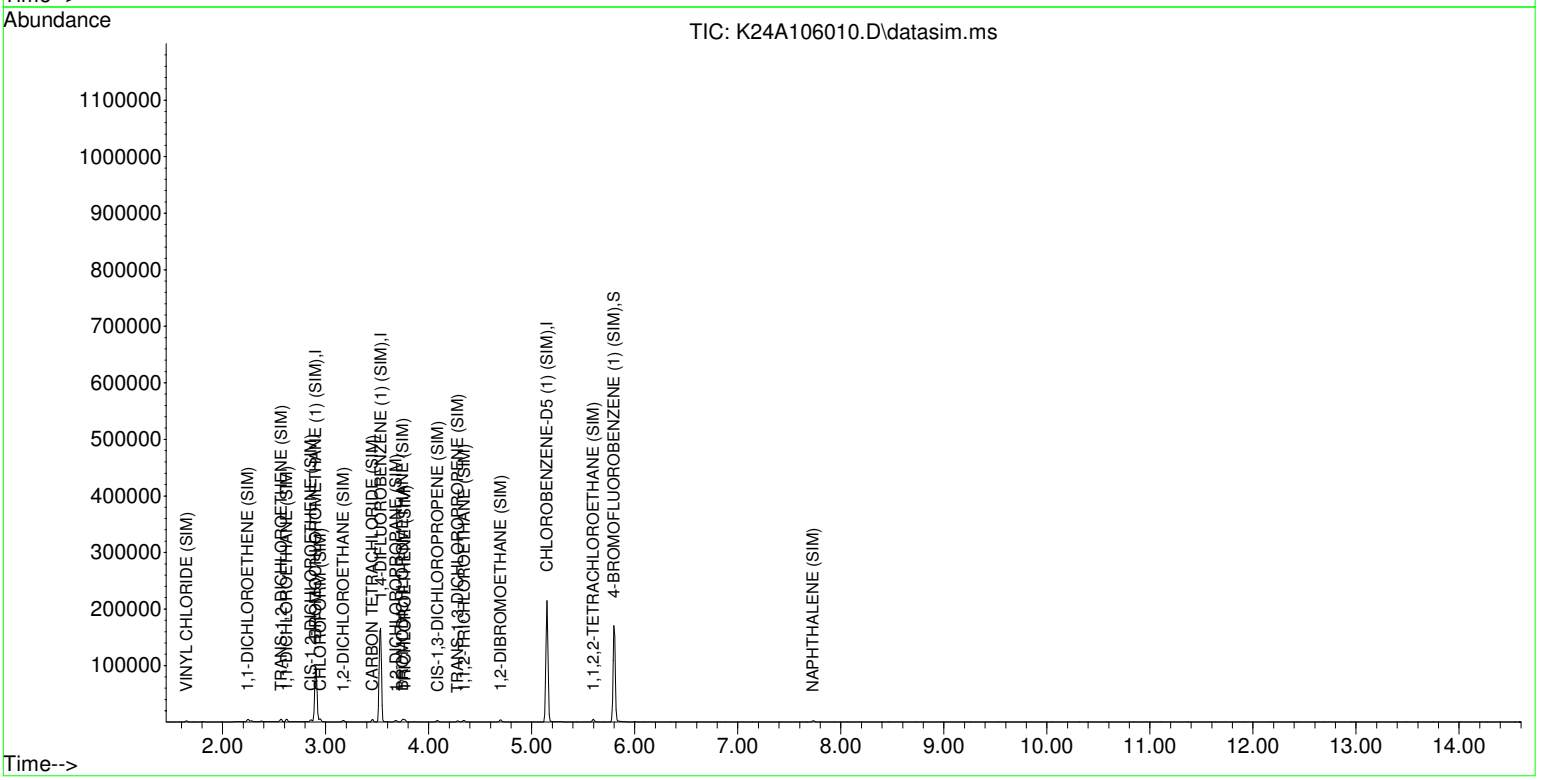
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) HEPTANE	3.891	57	1823	0.332	PPBV		89
41) MIBK	4.101	58	1422	0.294	PPBV		95
42) CIS-1,3-DICHLOROPROPENE	4.079	75	2836	0.287	PPBV		97
43) TRANS-1,3-DICHLOROPROPENE	4.281	75	2097	0.237	PPBV		99
45) 1,1,2-TRICHLOROETHANE	4.338	97	2076	0.315	PPBV		95
46) TOLUENE	4.446	91	6058	0.321	PPBV		98
47) 2-HEXANONE(MBK)	4.569	43	2933	0.261	PPBV		93
48) DIBROMOCHLOROMETHANE	4.597	129	3027	0.198	PPBV		97
49) 1,2-DIBROMOETHANE	4.691	107	2993	0.265	PPBV		99
50) TETRACHLOROETHENE	4.892	166	2437	0.217	PPBV		96
51) CHLOROBENZENE	5.165	112	4403	0.265	PPBV	#	65
52) ETHYLBENZENE	5.330	91	7395	0.276	PPBV		100
53) M/P-XYLENE	5.405	91	11585	0.509	PPBV		100
54) BROMOFORM	5.412	173	2452	0.172	PPBV		90
55) STYRENE	5.555	104	3681	0.257	PPBV		97
56) O-XYLENE	5.600	91	5402	0.243	PPBV		95
57) 1,1,2,2-TETRACHLOROETHANE	5.592	83	4334	0.340	PPBV		96
59) 4-ETHYLTOLUENE	6.178	105	7163	0.245	PPBV		94
60) 1,3,5-TRIMETHYLBENZENE	6.214	105	5075m	0.190	PPBV		
61) 1,2,4-TRIMETHYLBENZENE	6.415	105	5537	0.204	PPBV	#	94
62) 1,3-DICHLOROBENZENE	6.472	146	3280	0.182	PPBV		92
63) BENZYL CHLORIDE	6.472	91	2603	0.141	PPBV		97
64) 1,4-DICHLOROBENZENE	6.508	146	3433	0.210	PPBV		89
65) 1,2-DICHLOROBENZENE	6.679	146	2894	0.180	PPBV		97
66) 1,2,4-TRICHLOROBENZENE	7.675	180	1471	0.124	PPBV		95
67) NAPHTHALENE	7.732	128	3563	0.140	PPBV		99
68) HEXACHLOROBUTADIENE	7.975	225	2187	0.140	PPBV		99
70] VINYL CHLORIDE (SIM)	1.650	62	2243	0.303	PPBV		98
71] 1,1-DICHLOROETHENE (SIM)	2.244	61	3694	0.228	PPBV		97
72] TRANS-1,2-DICHLOROETHE...	2.569	61	3639	0.287	PPBV		100
73] 1,1-DICHLOROETHANE (SIM)	2.622	63	4320	0.293	PPBV		98
74] CIS-1,2-DICHLOROETHENE...	2.856	61	2878	0.233	PPBV		99
75] CHLOROFORM (SIM)	2.947	83	3799	0.187	PPBV		98
76] 1,2-DICHLOROETHANE (SIM)	3.172	62	3025	0.182	PPBV		99
78] CARBON TETRACHLORIDE (...	3.451	117	3401	0.188	PPBV		100
79] 1,2-DICHLOROPROPANE (SIM)	3.681	63	2242	0.353	PPBV		99
80] BROMODICHLOROMETHANE (...	3.746	83	3909	0.247	PPBV		99
81] TRICHLOROETHENE (SIM)	3.767	95	2332	0.272	PPBV		100
82] CIS-1,3-DICHLOROPROPEN...	4.085	75	3046	0.280	PPBV		95
83] TRANS-1,3-DICHLOROPROP...	4.279	75	2248	0.233	PPBV		97
85] 1,1,2-TRICHLOROETHANE ...	4.344	97	2163	0.322	PPBV		93
86] 1,2-DIBROMOETHANE (SIM)	4.697	107	3014	0.274	PPBV		99
87] 1,1,2,2-TETRACHLOROETH...	5.598	83	4423	0.316	PPBV		100
89] NAPHTHALENE (SIM)	7.731	128	3873	0.142	PPBV		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106010.D
Acq On : 15 Apr 2024 03:15 pm
Operator : CMR
Sample : 0.25PPBv STD Inst : SYSK
Misc : CTWS-4192-2465 05/12
ALS Vial : 2 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 09:10:40 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

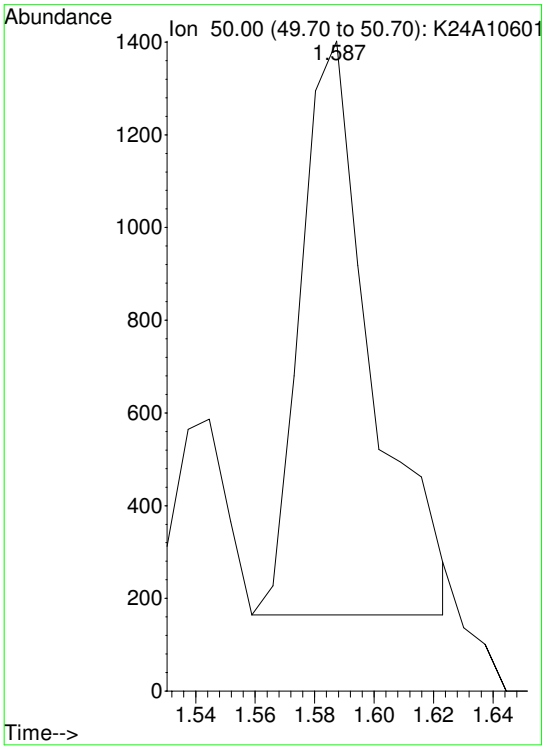




Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106010.D
Acq On : 15 Apr 2024 03:15 pm
Operator : CMR
Sample : 0.25PPBv STD
Misc : CTWS-4192-2465 05/12

Quant Time : Fri Apr 19 13:20:03 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
CHLOROMETHANE



Original Int. Results

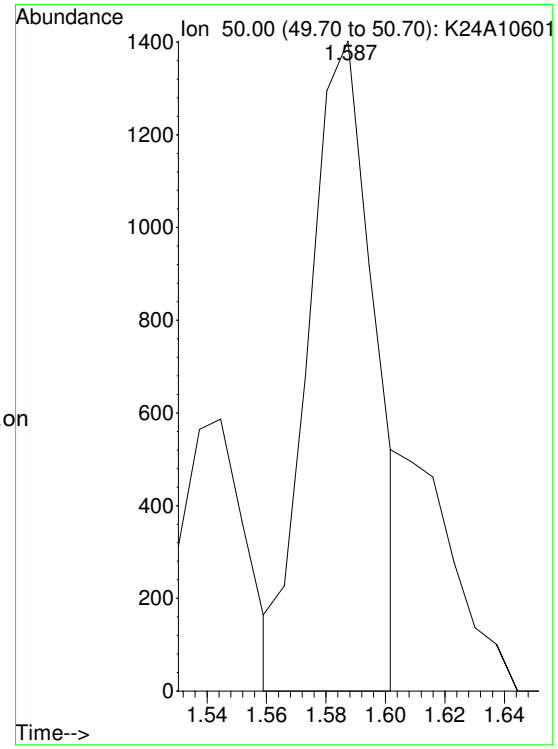
RT : 1.59
Area : 2054
Amount: 0.353475

Manual Int. Results

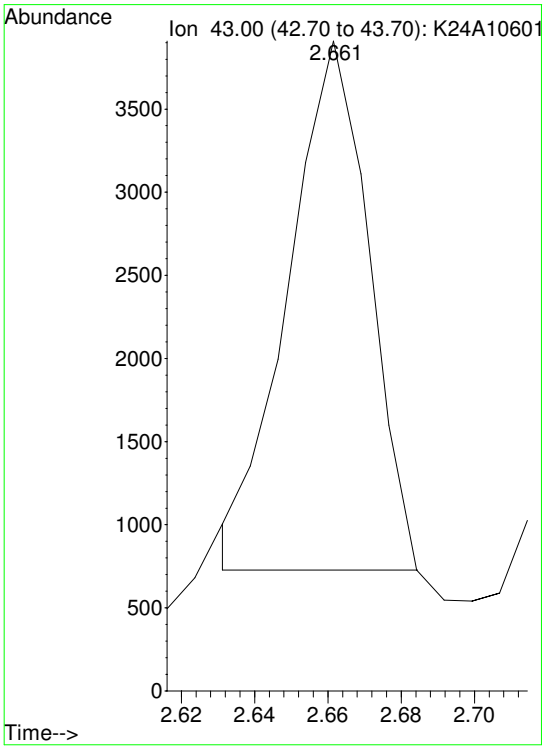
Fri Apr 19 13:20:03 2024

MIuser: KMC
Reason: Incorrect Integration
RT : 1.59
Area : 2157
Amount: 0.371201

Manual Integration
CHLOROMETHANE



Original Integration
VINYL ACETATE



Original Int. Results

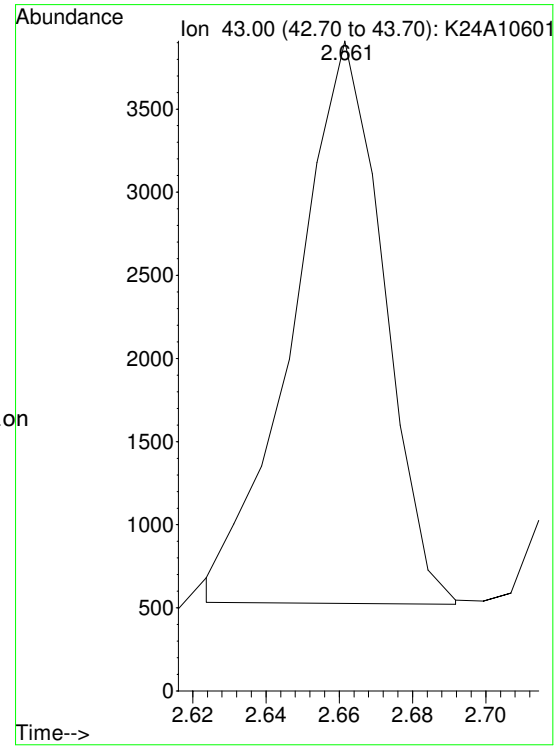
RT : 2.66
Area : 4896
Amount: 0.348319

Manual Int. Results

Fri Apr 19 11:42:53 2024

MIuser: KMC
Reason: Incorrect Integration
RT : 2.66
Area : 5753
Amount: 0.409289

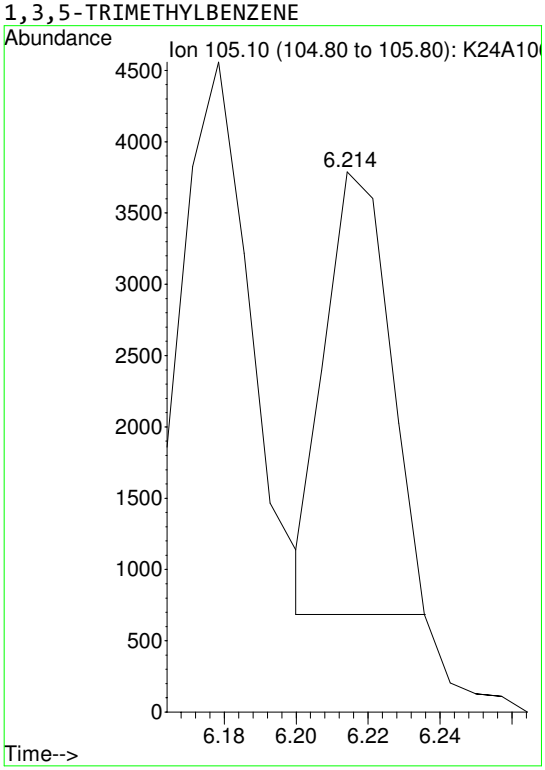
Manual Integration
VINYL ACETATE



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106010.D
Acq On : 15 Apr 2024 03:15 pm
Operator : CMR
Sample : 0.25PPBv STD
Misc : CTWS-4192-2465 05/12

Quant Time : Fri Apr 19 13:20:03 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
1,3,5-TRIMETHYLBENZENE



Original Int. Results

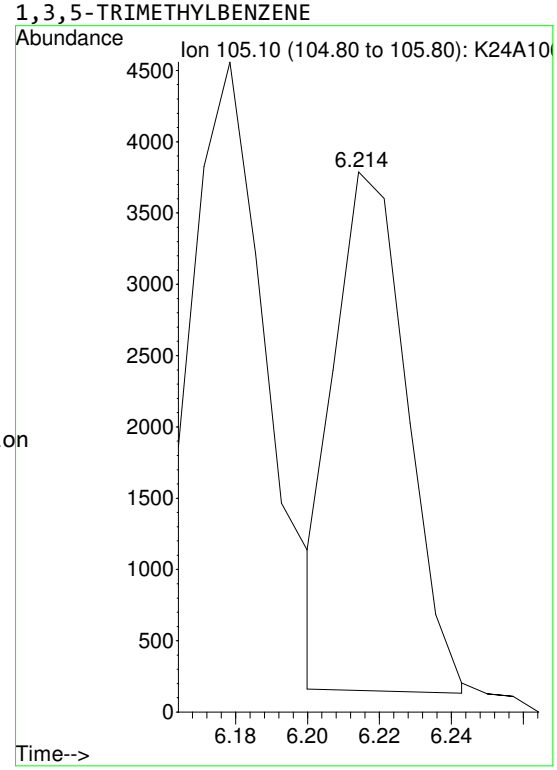
RT : 6.21
Area : 3896
Amount: 0.145654

Manual Int. Results

Fri Apr 19 11:43:01 2024

MIuser: KMC
Reason: Incorrect Integration
RT : 6.21
Area : 5075
Amount: 0.189731

Manual Integration
1,3,5-TRIMETHYLBENZENE



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106011.D
Acq On : 15 Apr 2024 03:44 pm
Operator : CMR
Sample : 0.50PPBv STD Inst : SYSK
Misc : CTWS-4192-2465 05/12
ALS Vial : 2 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 09:10:43 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.904	49	91487	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.528	114	204659	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.142	117	184837	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.902	49	98639	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.533	114	217952	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.148	117	193997	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.799	174	97512	6.290	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 78.63%			
88) 4-BROMOFLUOROBENZENE (...	5.798	174	101297	6.644	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 83.00%			
Target Compounds						Qvalue
2) PROPENE	1.530	41	2987	0.564	PPBV	79
3) DICHLORODIFLUOROMETHANE	1.545	85	9889	0.385	PPBV	98
4) CHLOROMETHANE	1.587	50	4086m	0.694	PPBV	
5) FREON 114	1.616	85	9677	0.486	PPBV	95
6) VINYL CHLORIDE	1.652	62	4076	0.577	PPBV	98
7) 1,3-BUTADIENE	1.687	54	3489	0.661	PPBV	89
8) BROMOMETHANE	1.766	94	3295	0.479	PPBV	96
9) CHLOROETHANE	1.816	64	2203	0.606	PPBV	90
10) ACROLEIN	1.951	56	1965	0.706	PPBV	83
11) ACETONE	1.987	43	6425	0.567	PPBV	86
12) TRICHLOROFLUOROMETHANE	2.044	101	9459	0.332	PPBV	97
13) ETHANOL	1.844	45	962m	0.722	PPBV	
14) 1,1-DICHLOROETHENE	2.245	61	6814	0.463	PPBV	98
15) METHYLENE CHLORIDE	2.283	49	4924	0.552	PPBV	95
16) FREON 113	2.374	101	7588	0.461	PPBV	90
17) CARBON DISULFIDE	2.382	76	9832	0.556	PPBV	97
18) TRANS-1,2-DICHLOROETHENE	2.563	61	6679	0.552	PPBV	93
19) 1,1-DICHLOROETHANE	2.616	63	7891	0.576	PPBV	99
20) MTBE	2.639	73	10146	0.466	PPBV	92
21) IPA	2.065	45	7472	0.528	PPBV	96
22) 2-BUTANONE(MEK)	2.730	43	8266	0.603	PPBV	92
23) CIS-1,2-DICHLOROETHENE	2.858	61	5056	0.442	PPBV	98
24) VINYL ACETATE	2.662	43	11863m	0.833	PPBV	
25) HEXANE	2.926	41	4305	0.478	PPBV	95
26) ETHYL ACETATE	2.934	45	1175	0.465	PPBV #	85
27) CHLOROFORM	2.941	83	7483	0.418	PPBV	98
28) TETRAHYDROFURAN	3.073	42	3000	0.464	PPBV	96
29) 1,2-DICHLOROETHANE	3.166	62	5592	0.368	PPBV	98
31) 1,1,1-TRICHLOROETHANE	3.252	97	6891	0.394	PPBV	95
32) BENZENE	3.400	78	10165	0.685	PPBV	95
33) CARBON TETRACHLORIDE	3.453	117	6667	0.349	PPBV	99
34) CYCLOHEXANE	3.498	84	3614	0.574	PPBV #	71
35) 1,2-DICHLOROPROPANE	3.683	63	4023	0.643	PPBV	95
36) BROMODICHLOROMETHANE	3.747	83	7526	0.487	PPBV	99
37) TRICHLOROETHENE	3.769	95	4695	0.554	PPBV	97
38) 1,4-DIOXANE	3.776	88	1492	0.469	PPBV	86
39) METHYLMETHACRYLATE	3.855	69	3204	0.640	PPBV	96

Data Path : D:\MassHunter\GCMS\1\data\K041524\ 300
Data File : K24A106011.D
Acq On : 15 Apr 2024 03:44 pm
Operator : CMR
Sample : 0.50PPBv STD Inst : SYSK
Misc : CTWS-4192-2465 05/12
ALS Vial : 2 Sample Multiplier: 1
InstName : SYSK

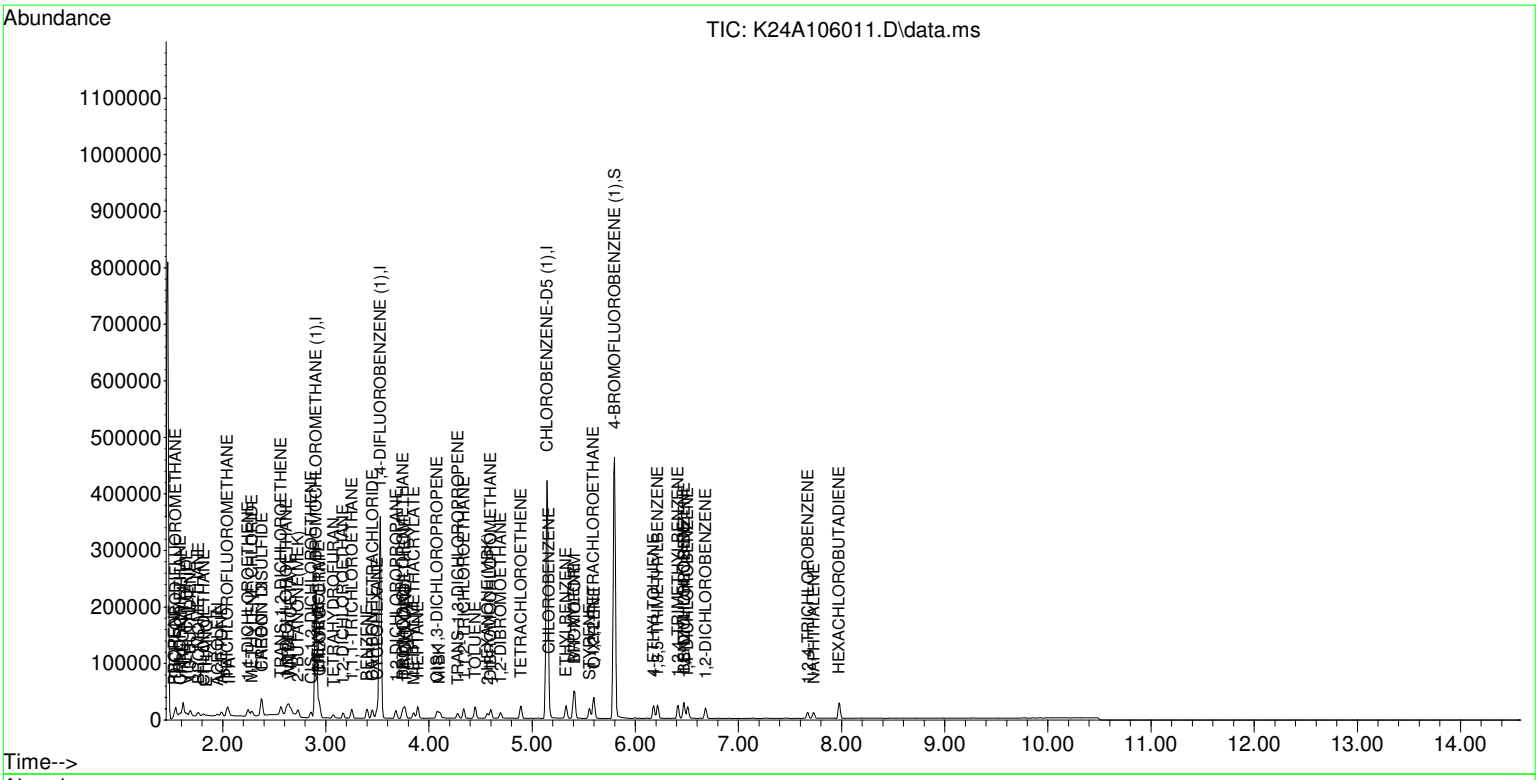
Quant Time: Apr 19 09:10:43 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

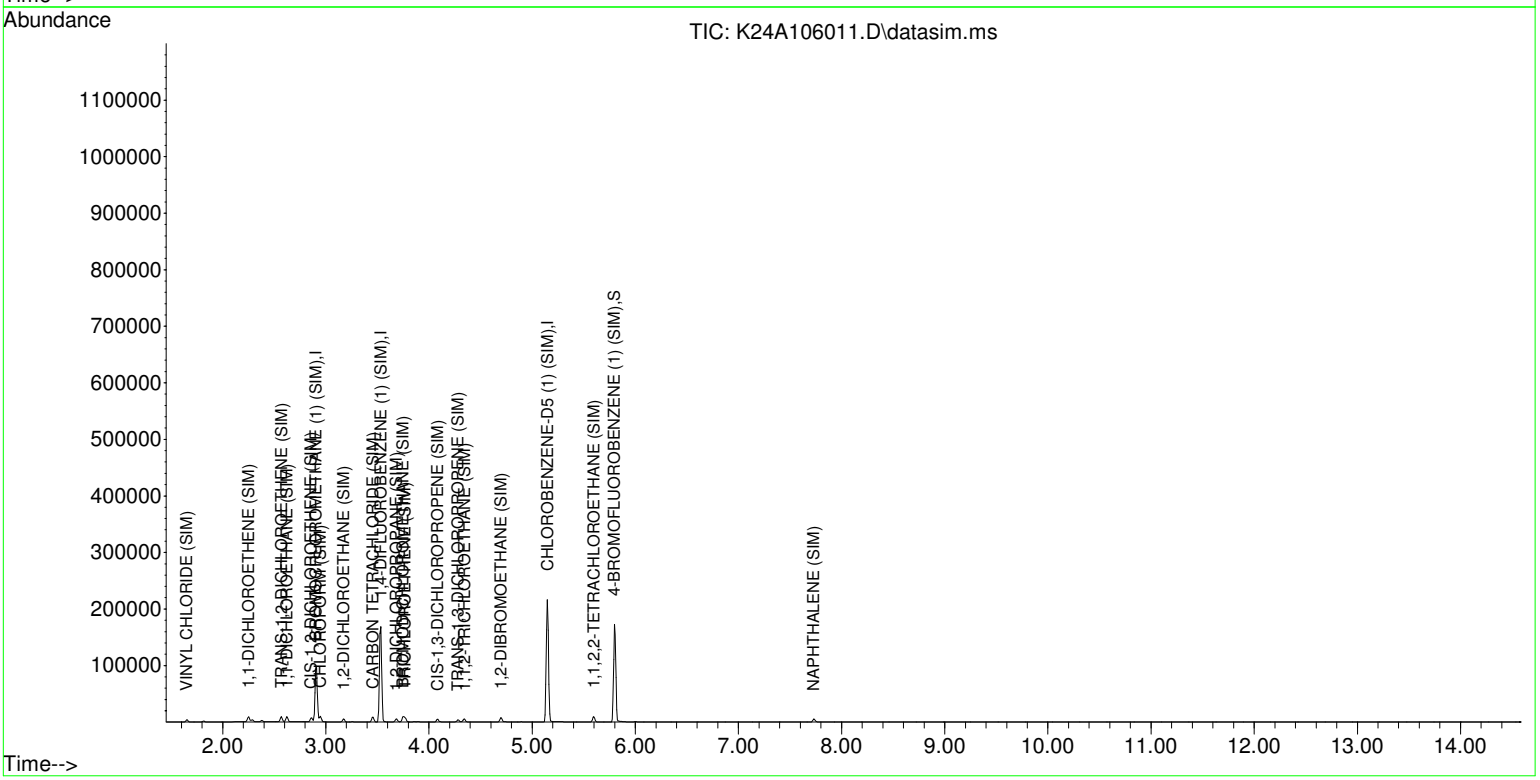
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) HEPTANE	3.891	57	3547	0.635	PPBV		91
41) MIBK	4.101	58	2992	0.609	PPBV		91
42) CIS-1,3-DICHLOROPROPENE	4.080	75	5605	0.558	PPBV		100
43) TRANS-1,3-DICHLOROPROPENE	4.281	75	4282	0.476	PPBV		100
45) 1,1,2-TRICHLOROETHANE	4.339	97	4036	0.608	PPBV		99
46) TOLUENE	4.446	91	11293	0.594	PPBV		98
47) 2-HEXANONE(MBK)	4.569	43	5818	0.515	PPBV		95
48) DIBROMOCHLOROMETHANE	4.598	129	6027	0.392	PPBV		97
49) 1,2-DIBROMOETHANE	4.691	107	6077	0.534	PPBV		93
50) TETRACHLOROETHENE	4.893	166	4704	0.417	PPBV		98
51) CHLOROBENZENE	5.165	112	8812	0.528	PPBV		89
52) ETHYLBENZENE	5.330	91	14208	0.528	PPBV		100
53) M/P-XYLENE	5.405	91	22566	0.985	PPBV		95
54) BROMOFORM	5.412	173	4698	0.328	PPBV		97
55) STYRENE	5.555	104	7472	0.519	PPBV		98
56) O-XYLENE	5.600	91	11814	0.527	PPBV		96
57) 1,1,2,2-TETRACHLOROETHANE	5.592	83	8218	0.642	PPBV		96
59) 4-ETHYLTOLUENE	6.179	105	13994	0.476	PPBV		94
60) 1,3,5-TRIMETHYLBENZENE	6.214	105	10568m	0.393	PPBV		
61) 1,2,4-TRIMETHYLBENZENE	6.415	105	11398	0.418	PPBV	#	98
62) 1,3-DICHLOROBENZENE	6.472	146	7603	0.418	PPBV		98
63) BENZYL CHLORIDE	6.472	91	5319	0.287	PPBV		99
64) 1,4-DICHLOROBENZENE	6.508	146	6034	0.366	PPBV		96
65) 1,2-DICHLOROBENZENE	6.679	146	6504	0.402	PPBV		97
66) 1,2,4-TRICHLOROBENZENE	7.675	180	3011	0.252	PPBV		97
67) NAPHTHALENE	7.732	128	7953	0.312	PPBV		97
68) HEXACHLOROBUTADIENE	7.975	225	4237	0.270	PPBV		96
70] VINYL CHLORIDE (SIM)	1.650	62	4433	0.591	PPBV		99
71] 1,1-DICHLOROETHENE (SIM)	2.251	61	7281	0.445	PPBV		97
72] TRANS-1,2-DICHLOROETHE...	2.569	61	7109	0.554	PPBV		98
73] 1,1-DICHLOROETHANE (SIM)	2.622	63	8610	0.577	PPBV		99
74] CIS-1,2-DICHLOROETHENE...	2.856	61	5729	0.459	PPBV		99
75] CHLOROFORM (SIM)	2.947	83	7541	0.367	PPBV		98
76] 1,2-DICHLOROETHANE (SIM)	3.172	62	5997	0.357	PPBV		99
78] CARBON TETRACHLORIDE (...	3.458	117	6828	0.378	PPBV		99
79] 1,2-DICHLOROPROPANE (SIM)	3.681	63	4429	0.699	PPBV		100
80] BROMODICHLOROMETHANE (...	3.746	83	7889	0.499	PPBV		100
81] TRICHLOROETHENE (SIM)	3.768	95	4660	0.545	PPBV		99
82] CIS-1,3-DICHLOROPROPEN...	4.085	75	6107	0.562	PPBV		97
83] TRANS-1,3-DICHLOROPROP...	4.280	75	4543	0.472	PPBV		96
85] 1,1,2-TRICHLOROETHANE ...	4.344	97	4232	0.631	PPBV		96
86] 1,2-DIBROMOETHANE (SIM)	4.697	107	6076	0.553	PPBV		99
87] 1,1,2,2-TETRACHLOROETH...	5.598	83	8895	0.637	PPBV		99
89] NAPHTHALENE (SIM)	7.731	128	8041	0.294	PPBV		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106011.D
Acq On : 15 Apr 2024 03:44 pm
Operator : CMR
Sample : 0.50PPBv STD Inst : SYSK
Misc : CTWS-4192-2465 05/12
ALS Vial : 2 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 09:10:43 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

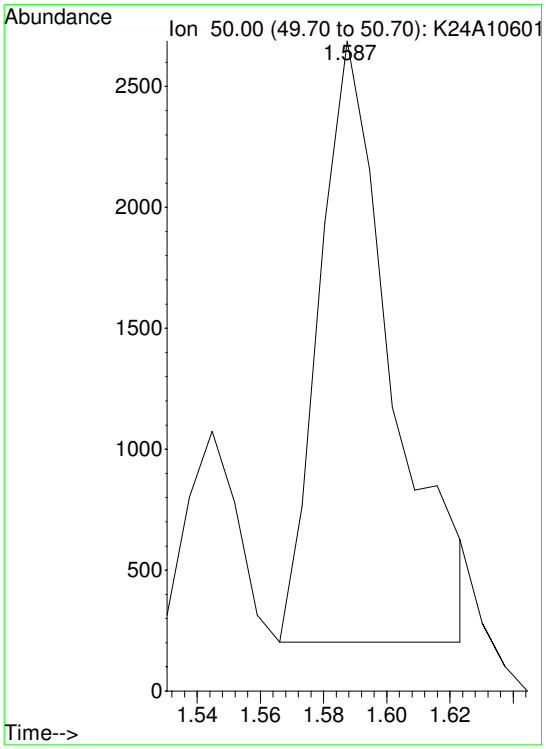




Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106011.D
Acq On : 15 Apr 2024 03:44 pm
Operator : CMR
Sample : 0.50PPBv STD
Misc : CTWS-4192-2465 05/12

Quant Time : Fri Apr 19 13:20:56 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
CHLOROMETHANE



Original Int. Results

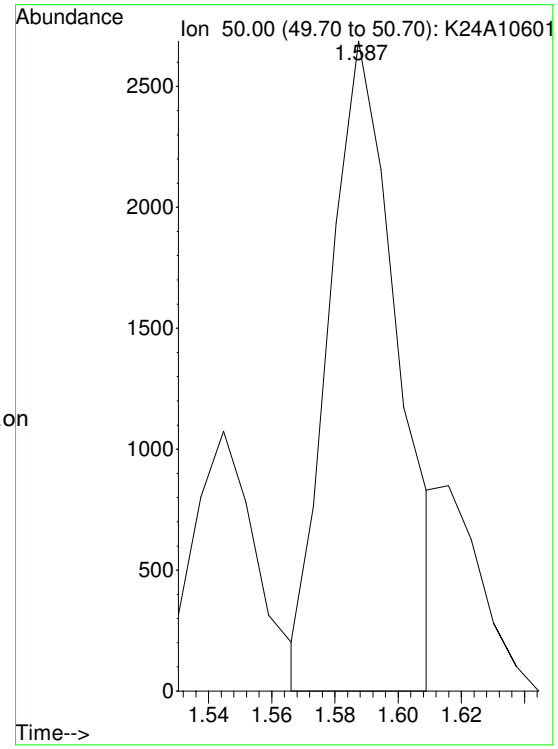
RT : 1.59
Area : 4022
Amount: 0.683095

Manual Int. Results

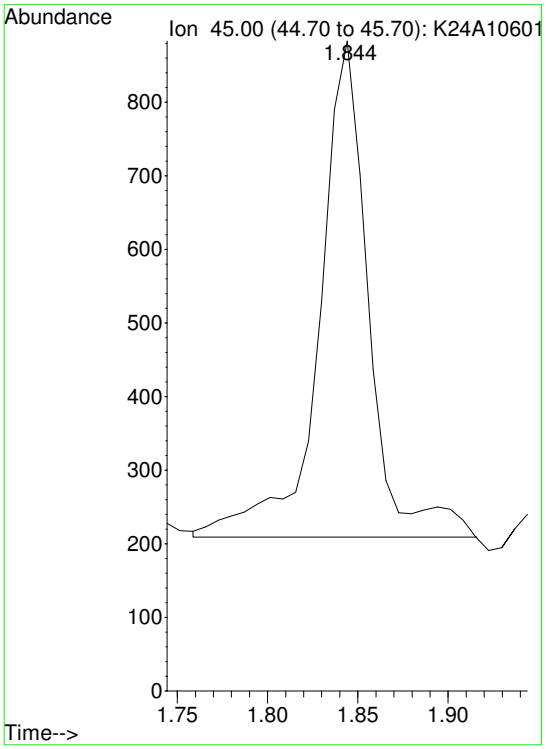
Fri Apr 19 13:20:56 2024

MIuser: KMC
Reason: Incorrect Integration
RT : 1.59
Area : 4086
Amount: 0.693965

Manual Integration
CHLOROMETHANE



Original Integration
ETHANOL



Original Int. Results

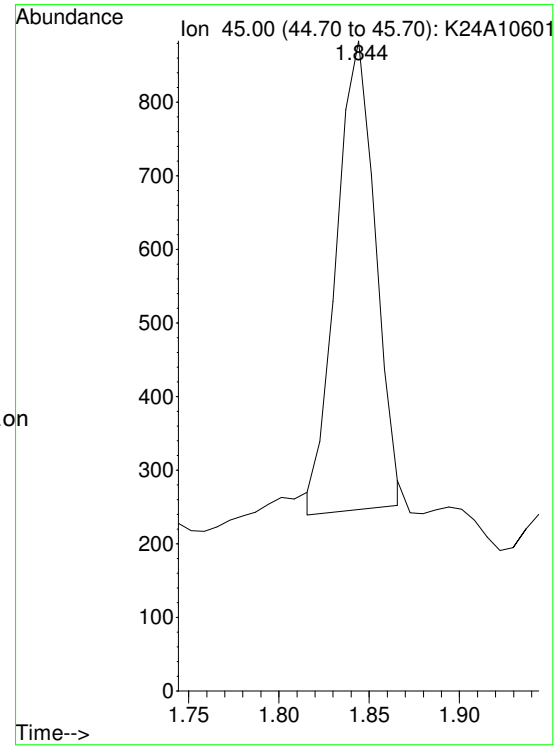
RT : 1.84
Area : 1291
Amount: 0.968862

Manual Int. Results

Fri Apr 19 10:02:13 2024

MIuser: KMC
Reason: Incorrect Integration
RT : 1.84
Area : 962
Amount: 0.721956

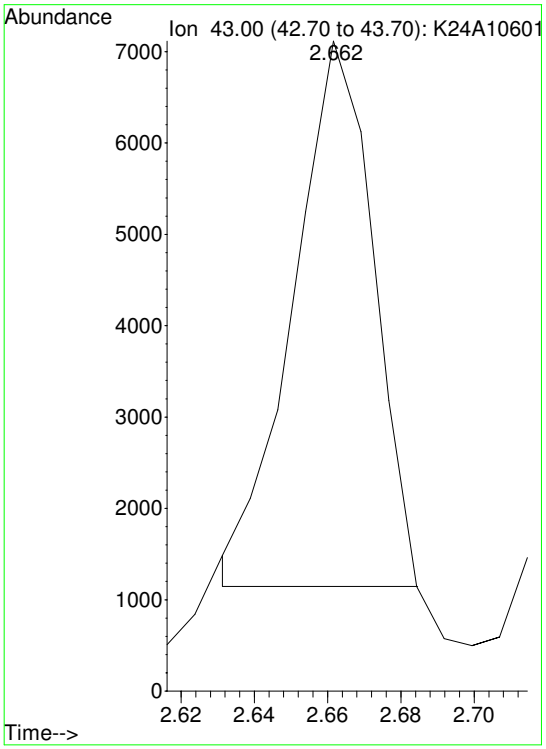
Manual Integration
ETHANOL



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106011.D
Acq On : 15 Apr 2024 03:44 pm
Operator : CMR
Sample : 0.50PPBv STD
Misc : CTWS-4192-2465 05/12

Quant Time : Fri Apr 19 13:20:56 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
VINYL ACETATE



Original Int. Results

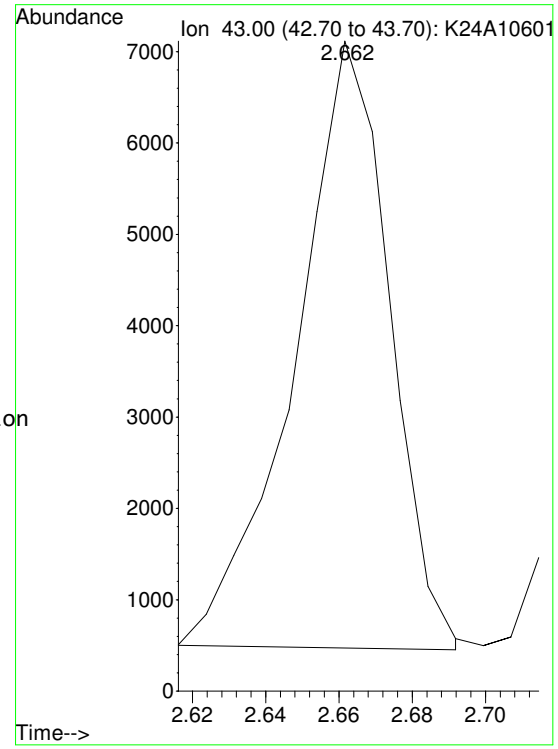
RT : 2.66
Area : 9071
Amount: 0.6369

Manual Int. Results

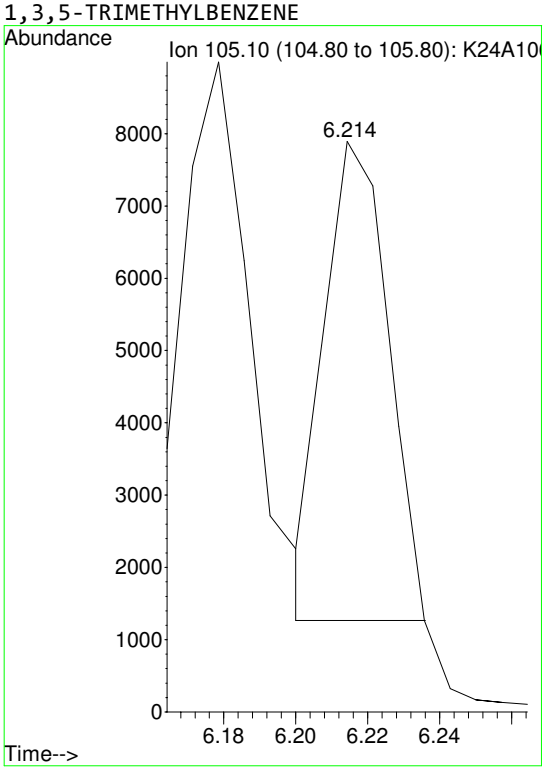
Fri Apr 19 10:01:41 2024

MIuser: KMC
Reason: Incorrect Integration
RT : 2.66
Area : 11863
Amount: 0.832933

Manual Integration
VINYL ACETATE



Original Integration
1,3,5-TRIMETHYLBENZENE



Original Int. Results

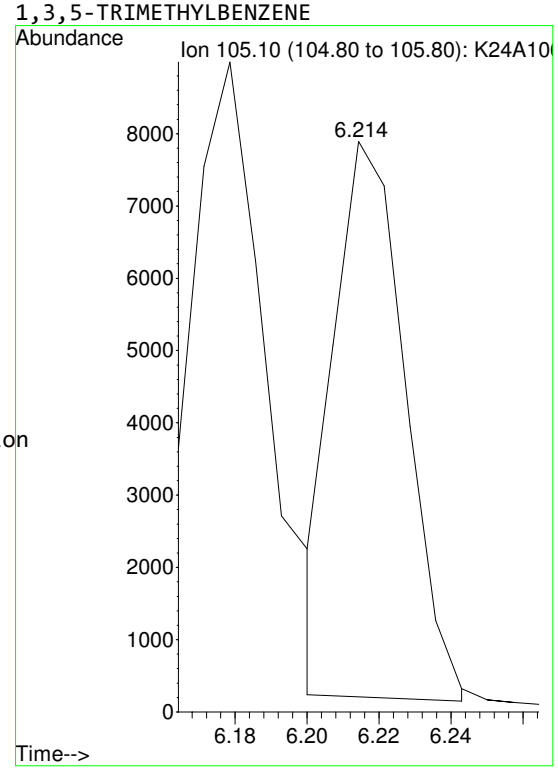
RT : 6.21
Area : 8216
Amount: 0.305253

Manual Int. Results

Fri Apr 19 10:01:50 2024

MIuser: KMC
Reason: Incorrect Integration
RT : 6.21
Area : 10568
Amount: 0.392638

Manual Integration
1,3,5-TRIMETHYLBENZENE



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106012.D
Acq On : 15 Apr 2024 04:15 pm
Operator : CMR
Sample : 1.0PPBv STD Inst : SYSK
Misc : CTWS-4192-2465 05/12
ALS Vial : 2 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 09:10:46 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.903	49	90849	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.527	114	199345	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.142	117	183269	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.902	49	98844	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.533	114	214936	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.148	117	192321	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.799	174	97198	6.324	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 79.00%			
88) 4-BROMOFLUOROBENZENE (...	5.798	174	101160	6.693	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 83.63%			
Target Compounds						Qvalue
2) PROPENE	1.530	41	5024	0.955	PPBV	87
3) DICHLORODIFLUOROMETHANE	1.545	85	19200	0.753	PPBV	97
4) CHLOROMETHANE	1.587	50	7985m	1.366	PPBV	
5) FREON 114	1.616	85	18666	0.944	PPBV	94
6) VINYL CHLORIDE	1.651	62	8273	1.180	PPBV	98
7) 1,3-BUTADIENE	1.687	54	6629	1.309	PPBV	97
8) BROMOMETHANE	1.766	94	6409	0.939	PPBV	100
9) CHLOROETHANE	1.815	64	4136	1.146	PPBV	100
10) ACROLEIN	1.951	56	3690	1.336	PPBV	84
11) ACETONE	1.986	43	12002	1.067	PPBV	87
12) TRICHLOROFLUOROMETHANE	2.044	101	18051	0.638	PPBV	95
13) ETHANOL	1.844	45	2061	1.558	PPBV	94
14) 1,1-DICHLOROETHENE	2.245	61	12748	0.873	PPBV	99
15) METHYLENE CHLORIDE	2.283	49	9275	1.048	PPBV	93
16) FREON 113	2.374	101	14071	0.860	PPBV	87
17) CARBON DISULFIDE	2.381	76	19428	1.106	PPBV	98
18) TRANS-1,2-DICHLOROETHENE	2.563	61	12738	1.061	PPBV	92
19) 1,1-DICHLOROETHANE	2.616	63	16293	1.198	PPBV	100
20) MTBE	2.639	73	19419	0.899	PPBV	92
21) IPA	2.065	45	13831	0.984	PPBV	93
22) 2-BUTANONE(MEK)	2.729	43	15188	1.115	PPBV	96
23) CIS-1,2-DICHLOROETHENE	2.850	61	10558	0.930	PPBV	97
24) VINYL ACETATE	2.661	43	20917m	1.479	PPBV	
25) HEXANE	2.926	41	7908	0.885	PPBV	91
26) ETHYL ACETATE	2.926	45	2018	0.805	PPBV	97
27) CHLOROFORM	2.941	83	14115	0.793	PPBV	98
28) TETRAHYDROFURAN	3.066	42	5886	0.916	PPBV	94
29) 1,2-DICHLOROETHANE	3.166	62	10700	0.710	PPBV	98
31) 1,1,1-TRICHLOROETHANE	3.251	97	13241	0.776	PPBV	95
32) BENZENE	3.400	78	19947	1.379	PPBV	95
33) CARBON TETRACHLORIDE	3.452	117	13201	0.710	PPBV	99
34) CYCLOHEXANE	3.497	84	7856	1.281	PPBV #	76
35) 1,2-DICHLOROPROPANE	3.675	63	8132	1.333	PPBV	99
36) BROMODICHLOROMETHANE	3.747	83	15150	1.007	PPBV	99
37) TRICHLOROETHENE	3.762	95	8987	1.089	PPBV	98
38) 1,4-DIOXANE	3.769	88	2885	0.932	PPBV	89
39) METHYLMETHACRYLATE	3.848	69	6531	1.339	PPBV	91

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106012.D
Acq On : 15 Apr 2024 04:15 pm
Operator : CMR
Sample : 1.0PPBv STD Inst : SYSK
Misc : CTWS-4192-2465 05/12
ALS Vial : 2 Sample Multiplier: 1
InstName : SYSK

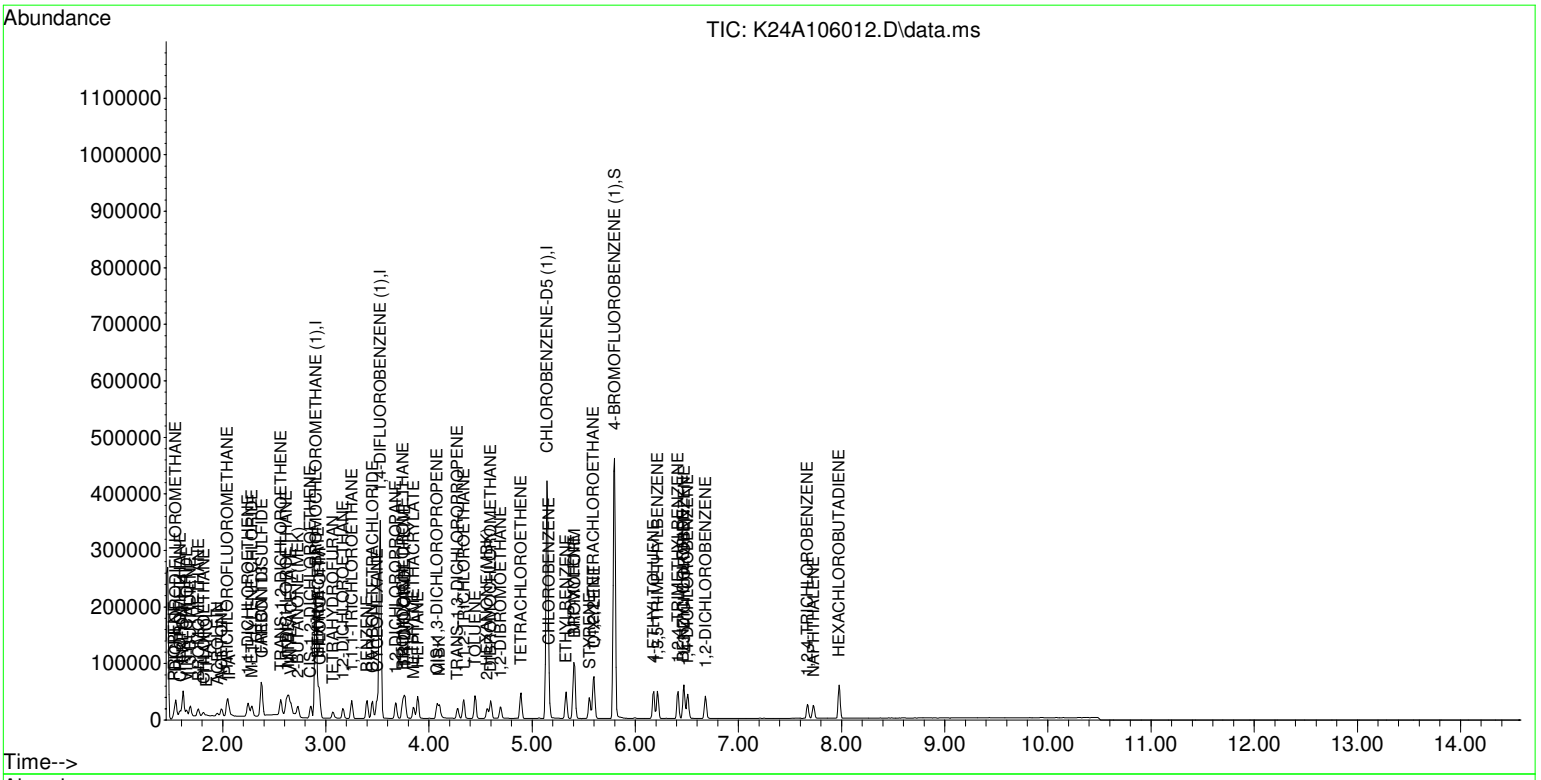
Quant Time: Apr 19 09:10:46 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

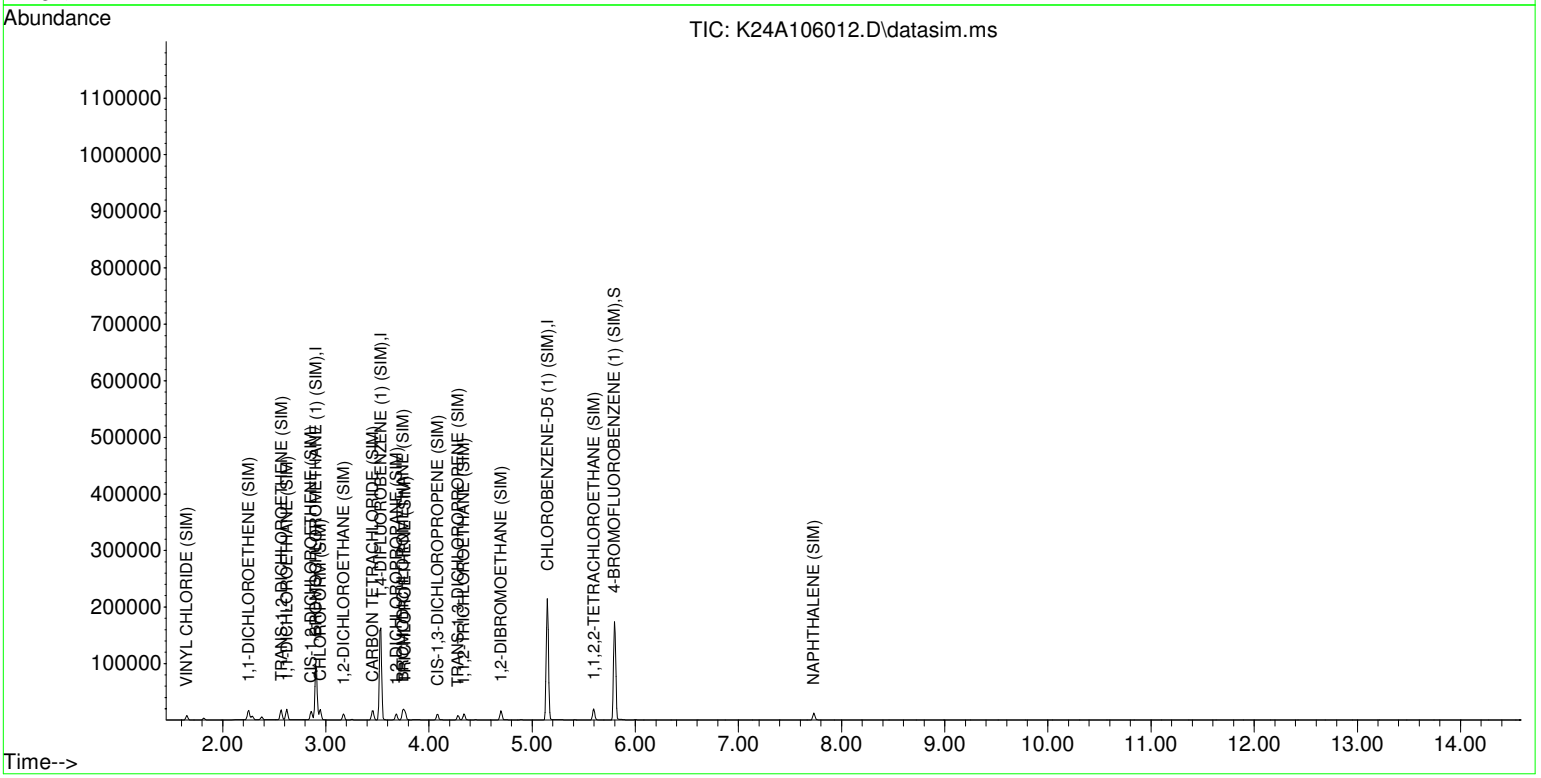
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) HEPTANE	3.891	57	6842	1.257	PPBV	92
41) MIBK	4.101	58	5973	1.248	PPBV #	87
42) CIS-1,3-DICHLOROPROPENE	4.079	75	11167	1.142	PPBV	97
43) TRANS-1,3-DICHLOROPROPENE	4.274	75	8800	1.004	PPBV	99
45) 1,1,2-TRICHLOROETHANE	4.338	97	8193	1.245	PPBV	92
46) TOLUENE	4.446	91	23297	1.235	PPBV	100
47) 2-HEXANONE(MBK)	4.561	43	12025	1.073	PPBV	98
48) DIBROMOCHLOROMETHANE	4.597	129	12380	0.811	PPBV	95
49) 1,2-DIBROMOETHANE	4.691	107	12089	1.071	PPBV	98
50) TETRACHLOROETHENE	4.892	166	9955	0.889	PPBV	97
51) CHLOROBENZENE	5.165	112	17425	1.053	PPBV	99
52) ETHYLBENZENE	5.330	91	29412	1.101	PPBV	100
53) M/P-XYLENE	5.405	91	45943	2.023	PPBV	100
54) BROMOFORM	5.412	173	9812	0.690	PPBV	98
55) STYRENE	5.555	104	15323	1.074	PPBV	97
56) O-XYLENE	5.600	91	23295	1.049	PPBV	98
57) 1,1,2,2-TETRACHLOROETHANE	5.592	83	17086	1.345	PPBV	100
59) 4-ETHYLTOLUENE	6.178	105	29242	1.002	PPBV	97
60) 1,3,5-TRIMETHYLBENZENE	6.214	105	21262m	0.797	PPBV	
61) 1,2,4-TRIMETHYLBENZENE	6.414	105	23410	0.865	PPBV #	100
62) 1,3-DICHLOROBENZENE	6.472	146	15319	0.850	PPBV	98
63) BENZYL CHLORIDE	6.465	91	11736	0.639	PPBV	98
64) 1,4-DICHLOROBENZENE	6.508	146	13074	0.800	PPBV	97
65) 1,2-DICHLOROBENZENE	6.679	146	13292	0.828	PPBV	99
66) 1,2,4-TRICHLOROBENZENE	7.668	180	6696	0.565	PPBV	98
67) NAPHTHALENE	7.725	128	16411	0.648	PPBV	99
68) HEXACHLOROBUTADIENE	7.975	225	8393	0.540	PPBV	92
70] VINYL CHLORIDE (SIM)	1.650	62	8645	1.151	PPBV	99
71] 1,1-DICHLOROETHENE (SIM)	2.251	61	14246	0.868	PPBV	96
72] TRANS-1,2-DICHLOROETHE...	2.569	61	14221	1.106	PPBV	100
73] 1,1-DICHLOROETHANE (SIM)	2.622	63	16961	1.135	PPBV	98
74] CIS-1,2-DICHLOROETHENE...	2.856	61	11125	0.889	PPBV	99
75] CHLOROFORM (SIM)	2.947	83	14896	0.724	PPBV	99
76] 1,2-DICHLOROETHANE (SIM)	3.172	62	11685	0.693	PPBV	99
78] CARBON TETRACHLORIDE (...	3.451	117	13232	0.743	PPBV	100
79] 1,2-DICHLOROPROPANE (SIM)	3.681	63	8615	1.378	PPBV	97
80] BROMODICHLOROMETHANE (...	3.746	83	15584	0.999	PPBV	100
81] TRICHLOROETHENE (SIM)	3.767	95	9121	1.081	PPBV	100
82] CIS-1,3-DICHLOROPROPEN...	4.085	75	12042	1.123	PPBV	95
83] TRANS-1,3-DICHLOROPROP...	4.279	75	9070	0.956	PPBV	98
85] 1,1,2-TRICHLOROETHANE ...	4.337	97	8365	1.258	PPBV	95
86] 1,2-DIBROMOETHANE (SIM)	4.697	107	12048	1.107	PPBV	99
87] 1,1,2,2-TETRACHLOROETH...	5.598	83	17958	1.296	PPBV	99
89] NAPHTHALENE (SIM)	7.730	128	17269	0.638	PPBV	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106012.D
Acq On : 15 Apr 2024 04:15 pm
Operator : CMR
Sample : 1.0PPBv STD Inst : SYSK
Misc : CTWS-4192-2465 05/12
ALS Vial : 2 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 09:10:46 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

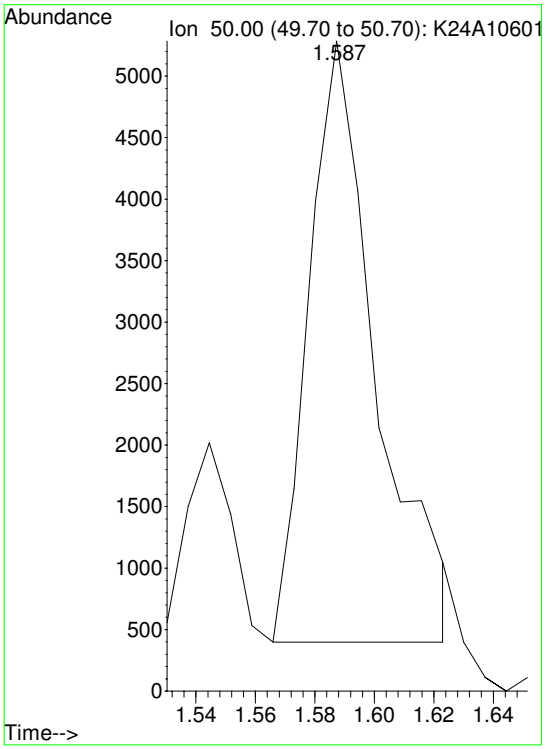




Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106012.D
Acq On : 15 Apr 2024 04:15 pm
Operator : CMR
Sample : 1.0PPBv STD
Misc : CTWS-4192-2465 05/12

Quant Time : Fri Apr 19 13:21:39 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
CHLOROMETHANE



Original Int. Results

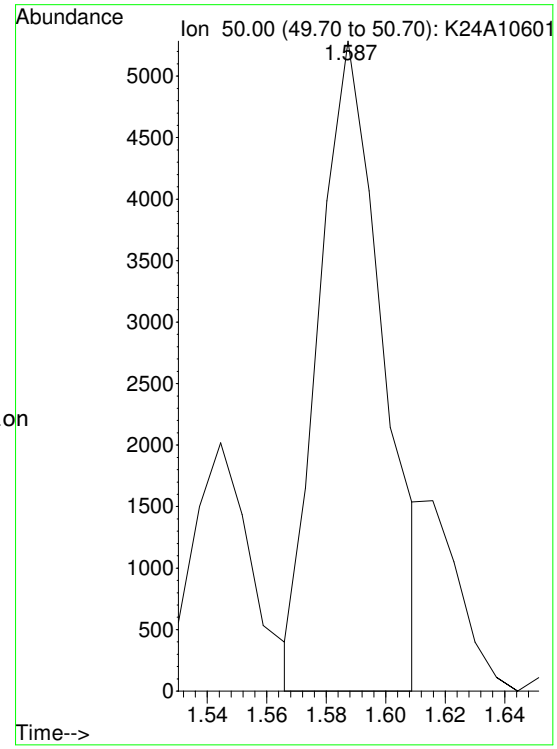
RT : 1.59
Area : 7733
Amount: 1.32259

Manual Int. Results

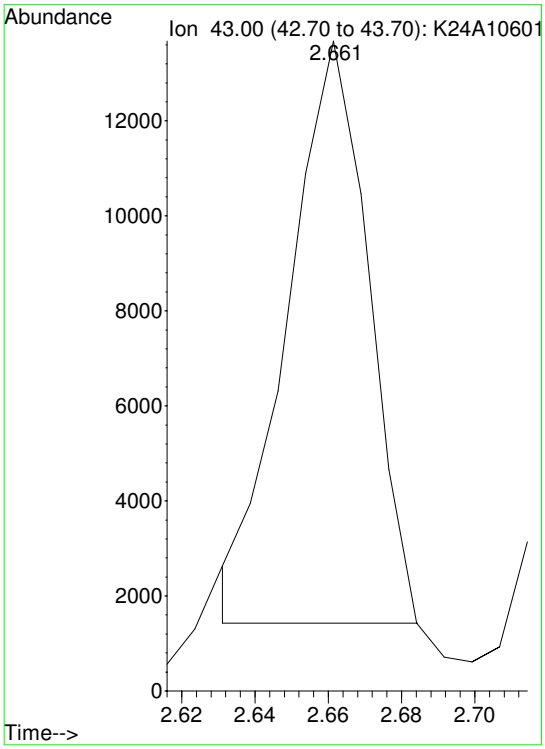
Fri Apr 19 13:21:09 2024

MIuser: KMC
Reason: Incorrect Integration
RT : 1.59
Area : 7985
Amount: 1.36569

Manual Integration
CHLOROMETHANE



Original Integration
VINYL ACETATE



Original Int. Results

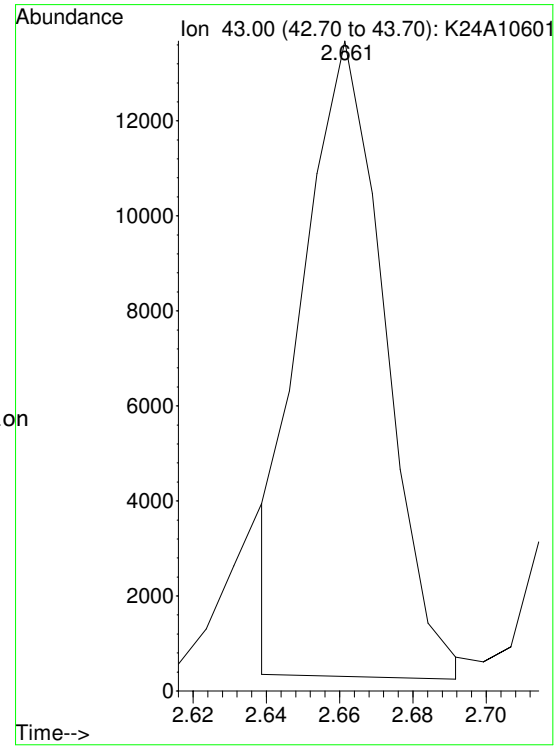
RT : 2.66
Area : 18802
Amount: 1.32941

Manual Int. Results

Fri Apr 19 13:21:39 2024

MIuser: KMC
Reason: Incorrect Integration
RT : 2.66
Area : 20917
Amount: 1.47895

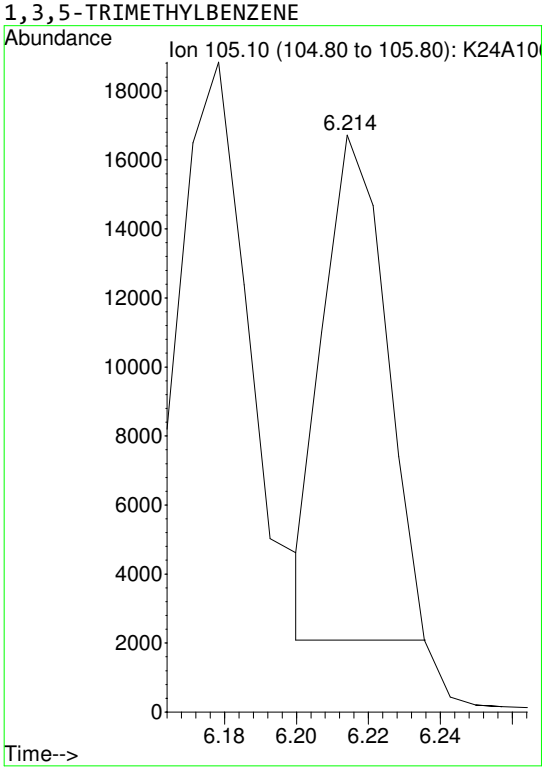
Manual Integration
VINYL ACETATE



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106012.D
Acq On : 15 Apr 2024 04:15 pm
Operator : CMR
Sample : 1.0PPBv STD
Misc : CTWS-4192-2465 05/12

Quant Time : Fri Apr 19 13:21:39 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
1,3,5-TRIMETHYLBENZENE



Original Int. Results

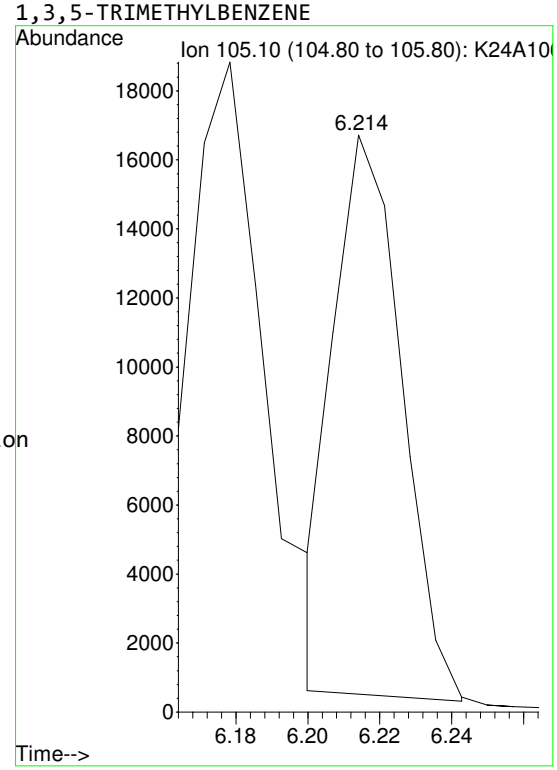
RT : 6.21
Area : 17801
Amount: 0.667028

Manual Int. Results

Fri Apr 19 09:52:33 2024

MIuser: KMC
Reason: Incorrect Integration
RT : 6.21
Area : 21262
Amount: 0.796716

Manual Integration
1,3,5-TRIMETHYLBENZENE



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106013.D
Acq On : 15 Apr 2024 04:43 pm
Operator : CMR
Sample : 2.0PPBv STD Inst : SYSK
Misc : CTWS-4185-1069 05/03
ALS Vial : 3 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 09:10:49 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.896	49	92043	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.527	114	202518	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.142	117	181255	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.902	49	99152	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.526	114	215001	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.148	117	190969	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.799	174	96959	6.378	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 79.75%			
88) 4-BROMOFLUOROBENZENE (...	5.798	174	100727	6.712	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 83.88%			
Target Compounds						Qvalue
2) PROPENE	1.523	41	8013	1.504	PPBV	94
3) DICHLORODIFLUOROMETHANE	1.545	85	32906	1.274	PPBV	98
4) CHLOROMETHANE	1.587	50	13611m	2.298	PPBV	
5) FREON 114	1.616	85	32529	1.625	PPBV	94
6) VINYL CHLORIDE	1.644	62	14143	1.991	PPBV	96
7) 1,3-BUTADIENE	1.687	54	11064	2.188	PPBV	95
8) BROMOMETHANE	1.758	94	10759	1.555	PPBV	98
9) CHLOROETHANE	1.808	64	7332	2.006	PPBV	99
10) ACROLEIN	1.944	56	6147	2.196	PPBV	88
11) ACETONE	1.987	43	19739	1.732	PPBV	85
12) TRICHLOROFLUOROMETHANE	2.044	101	32642	1.139	PPBV	99
13) ETHANOL	1.837	45	2852	2.127	PPBV #	64
14) 1,1-DICHLOROETHENE	2.245	61	22982	1.553	PPBV	99
15) METHYLENE CHLORIDE	2.283	49	16195	1.806	PPBV	96
16) FREON 113	2.374	101	25890	1.562	PPBV	91
17) CARBON DISULFIDE	2.374	76	32597	1.831	PPBV	98
18) TRANS-1,2-DICHLOROETHENE	2.563	61	22072	1.815	PPBV	95
19) 1,1-DICHLOROETHANE	2.616	63	27282	1.980	PPBV	99
20) MTBE	2.639	73	33506	1.530	PPBV	94
21) IPA	2.058	45	25452	1.787	PPBV	90
22) 2-BUTANONE(MEK)	2.730	43	25382	1.840	PPBV	92
23) CIS-1,2-DICHLOROETHENE	2.851	61	17686	1.537	PPBV	97
24) VINYL ACETATE	2.661	43	35224m	2.458	PPBV	
25) HEXANE	2.926	41	13162	1.453	PPBV	89
26) ETHYL ACETATE	2.926	45	3258	1.283	PPBV	92
27) CHLOROFORM	2.941	83	24157	1.340	PPBV	97
28) TETRAHYDROFURAN	3.066	42	10184	1.565	PPBV	98
29) 1,2-DICHLOROETHANE	3.166	62	18573	1.216	PPBV	98
31) 1,1,1-TRICHLOROETHANE	3.252	97	24272	1.401	PPBV	98
32) BENZENE	3.400	78	33594	2.286	PPBV	97
33) CARBON TETRACHLORIDE	3.452	117	22316	1.182	PPBV	98
34) CYCLOHEXANE	3.490	84	13751	2.208	PPBV	95
35) 1,2-DICHLOROPROPANE	3.675	63	14079	2.272	PPBV	99
36) BROMODICHLOROMETHANE	3.740	83	25873	1.693	PPBV	97
37) TRICHLOROETHENE	3.762	95	15310	1.826	PPBV	97
38) 1,4-DIOXANE	3.769	88	5983	1.902	PPBV	95
39) METHYLMETHACRYLATE	3.848	69	11093	2.239	PPBV	95

Data Path : D:\MassHunter\GCMS\1\data\K041524\ 310
Data File : K24A106013.D
Acq On : 15 Apr 2024 04:43 pm
Operator : CMR
Sample : 2.0PPBv STD Inst : SYSK
Misc : CTWS-4185-1069 05/03
ALS Vial : 3 Sample Multiplier: 1
InstName : SYSK

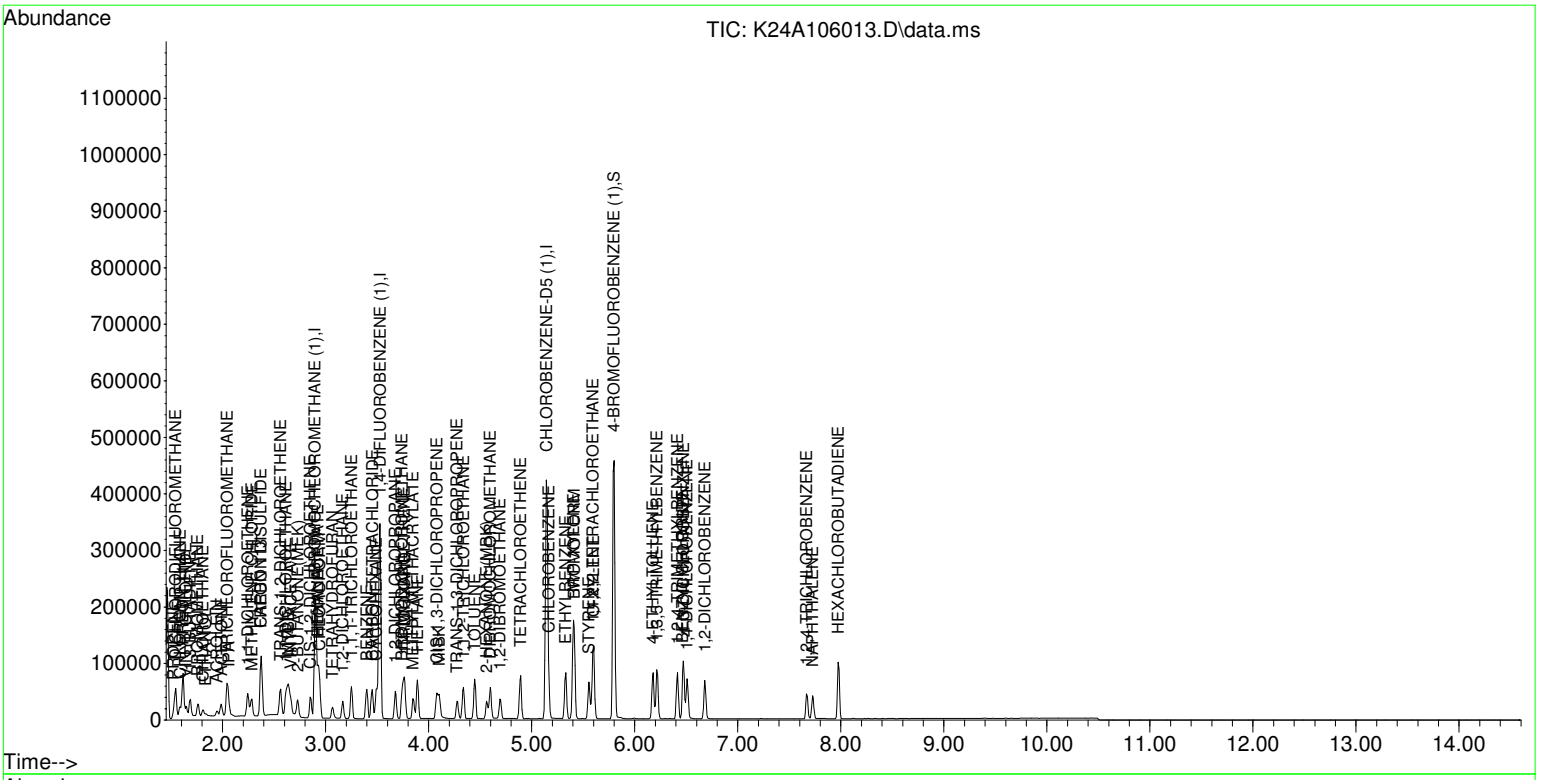
Quant Time: Apr 19 09:10:49 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

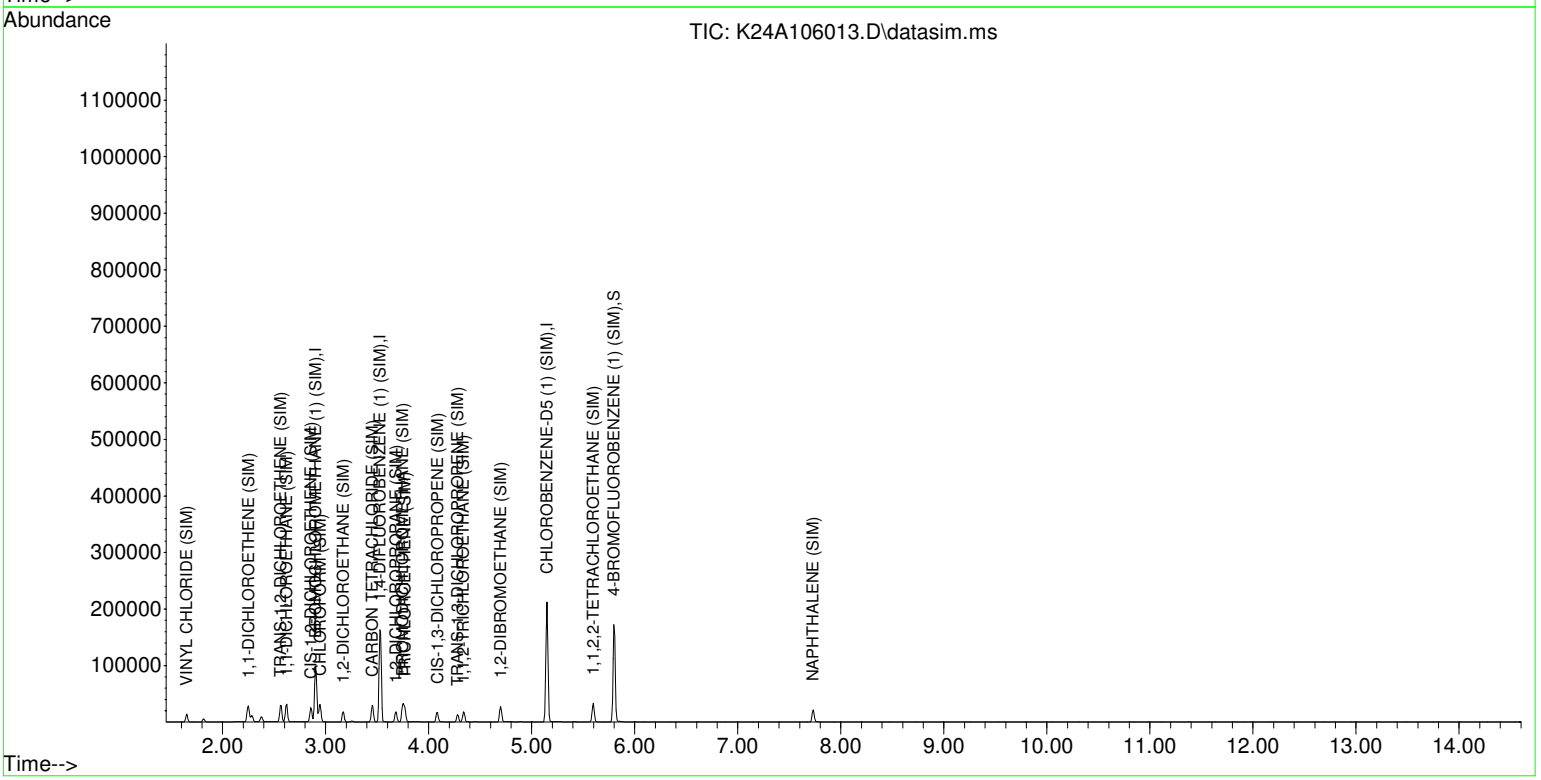
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) HEPTANE	3.891	57	12493	2.260	PPBV		88
41) MIBK	4.101	58	10951	2.252	PPBV	#	82
42) CIS-1,3-DICHLOROPROPENE	4.079	75	19105	1.923	PPBV		93
43) TRANS-1,3-DICHLOROPROPENE	4.274	75	14508	1.630	PPBV		100
45) 1,1,2-TRICHLOROETHANE	4.338	97	13869	2.132	PPBV		94
46) TOLUENE	4.446	91	40201	2.156	PPBV		98
47) 2-HEXANONE(MBK)	4.561	43	21048	1.899	PPBV		96
48) DIBROMOCHLOROMETHANE	4.597	129	21557	1.428	PPBV		99
49) 1,2-DIBROMOETHANE	4.691	107	19819	1.776	PPBV		100
50) TETRACHLOROETHENE	4.892	166	16537	1.493	PPBV		96
51) CHLOROBENZENE	5.165	112	28586	1.746	PPBV		98
52) ETHYLBENZENE	5.330	91	50873	1.926	PPBV		98
53) M/P-XYLENE	5.405	91	80114	3.568	PPBV		99
54) BROMOFORM	5.412	173	17100	1.216	PPBV		98
55) STYRENE	5.555	104	27049	1.917	PPBV		97
56) O-XYLENE	5.600	91	40036	1.822	PPBV		97
57) 1,1,2,2-TETRACHLOROETHANE	5.592	83	28395	2.261	PPBV		99
59) 4-ETHYLTOLUENE	6.178	105	49976	1.732	PPBV		97
60) 1,3,5-TRIMETHYLBENZENE	6.214	105	40545m	1.536	PPBV		
61) 1,2,4-TRIMETHYLBENZENE	6.415	105	40223	1.504	PPBV	#	97
62) 1,3-DICHLOROBENZENE	6.472	146	26135	1.466	PPBV		98
63) BENZYL CHLORIDE	6.465	91	19791	1.090	PPBV		98
64) 1,4-DICHLOROBENZENE	6.508	146	21300	1.317	PPBV		97
65) 1,2-DICHLOROBENZENE	6.679	146	22323	1.405	PPBV		100
66) 1,2,4-TRICHLOROBENZENE	7.668	180	11371	0.971	PPBV		97
67) NAPHTHALENE	7.725	128	28208	1.127	PPBV		99
68) HEXACHLOROBUTADIENE	7.975	225	14678	0.955	PPBV		96
70] VINYL CHLORIDE (SIM)	1.650	62	15070	1.999	PPBV		99
71] 1,1-DICHLOROETHENE (SIM)	2.251	61	24784	1.506	PPBV		97
72] TRANS-1,2-DICHLOROETHE...	2.561	61	24148	1.873	PPBV		99
73] 1,1-DICHLOROETHANE (SIM)	2.622	63	29332	1.956	PPBV		98
74] CIS-1,2-DICHLOROETHENE...	2.856	61	18955	1.510	PPBV		99
75] CHLOROFORM (SIM)	2.947	83	25662	1.243	PPBV		98
76] 1,2-DICHLOROETHANE (SIM)	3.172	62	20089	1.188	PPBV		98
78] CARBON TETRACHLORIDE (...	3.451	117	22936	1.288	PPBV		100
79] 1,2-DICHLOROPROPANE (SIM)	3.681	63	14962	2.392	PPBV		98
80] BROMODICHLOROMETHANE (...	3.746	83	26902	1.723	PPBV		100
81] TRICHLOROETHENE (SIM)	3.768	95	15481	1.834	PPBV		100
82] CIS-1,3-DICHLOROPROPEN...	4.085	75	20490	1.910	PPBV		95
83] TRANS-1,3-DICHLOROPROP...	4.279	75	15156	1.597	PPBV		97
85] 1,1,2-TRICHLOROETHANE ...	4.337	97	14294	2.164	PPBV		95
86] 1,2-DIBROMOETHANE (SIM)	4.697	107	19755	1.828	PPBV		99
87] 1,1,2,2-TETRACHLOROETH...	5.598	83	30163	2.193	PPBV		99
89] NAPHTHALENE (SIM)	7.731	128	29849	1.110	PPBV		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106013.D
Acq On : 15 Apr 2024 04:43 pm
Operator : CMR
Sample : 2.0PPBv STD Inst : SYSK
Misc : CTWS-4185-1069 05/03
ALS Vial : 3 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 09:10:49 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

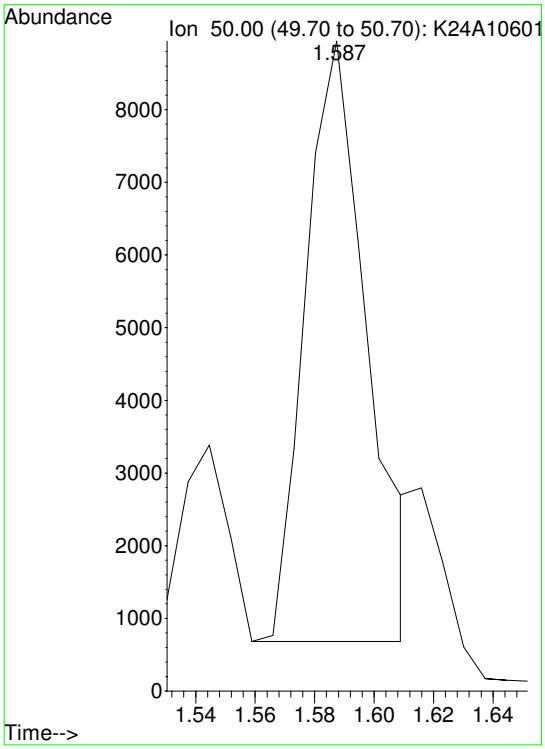




Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106013.D
Acq On : 15 Apr 2024 04:43 pm
Operator : CMR
Sample : 2.0PPBv STD
Misc : CTWS-4185-1069 05/03

Quant Time : Fri Apr 19 13:22:07 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
CHLOROMETHANE



Original Int. Results

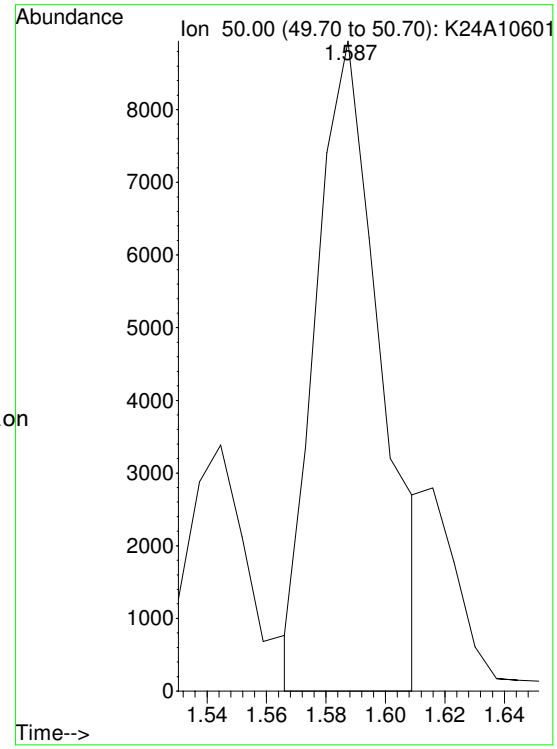
RT : 1.59
Area : 11893
Amount: 2.0077

Manual Int. Results

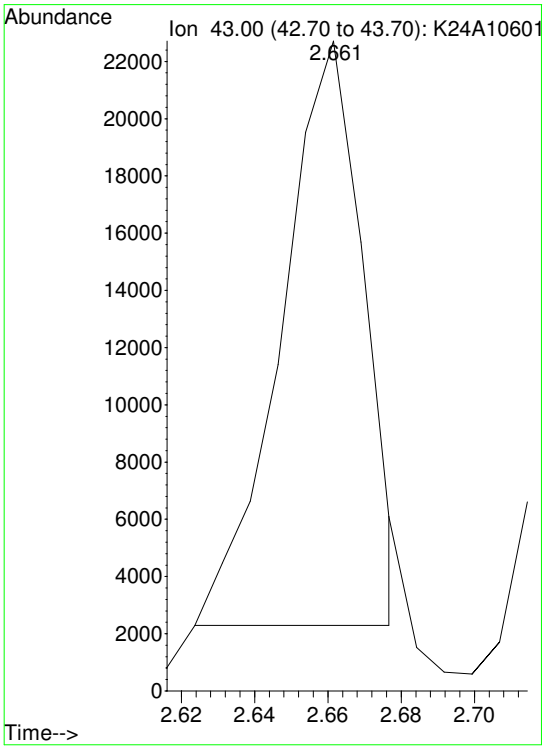
Fri Apr 19 13:21:52 2024

MIuser: KMC
Reason: Incorrect Integration
RT : 1.59
Area : 13611
Amount: 2.29772

Manual Integration
CHLOROMETHANE



Original Integration
VINYL ACETATE



Original Int. Results

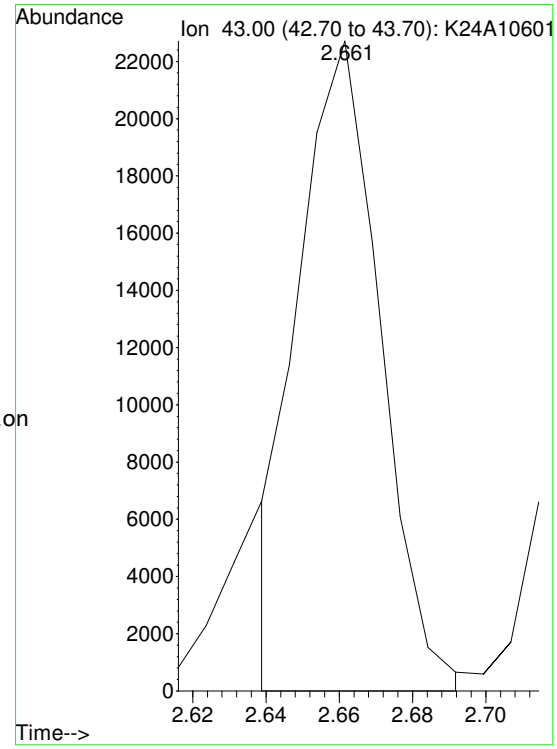
RT : 2.66
Area : 31971
Amount: 2.23121

Manual Int. Results

Fri Apr 19 13:22:07 2024

MIuser: KMC
Reason: Incorrect Integration
RT : 2.66
Area : 35224
Amount: 2.45823

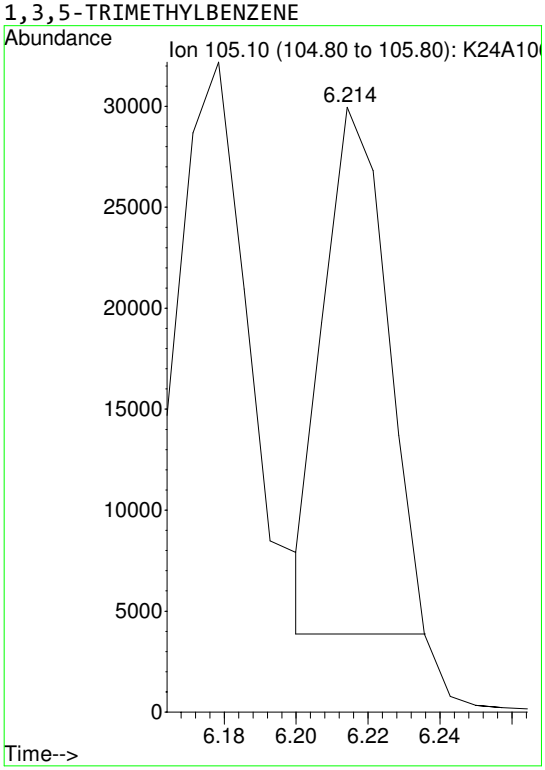
Manual Integration
VINYL ACETATE



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106013.D
Acq On : 15 Apr 2024 04:43 pm
Operator : CMR
Sample : 2.0PPBv STD
Misc : CTWS-4185-1069 05/03

Quant Time : Fri Apr 19 13:22:07 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
1,3,5-TRIMETHYLBENZENE



Original Int. Results

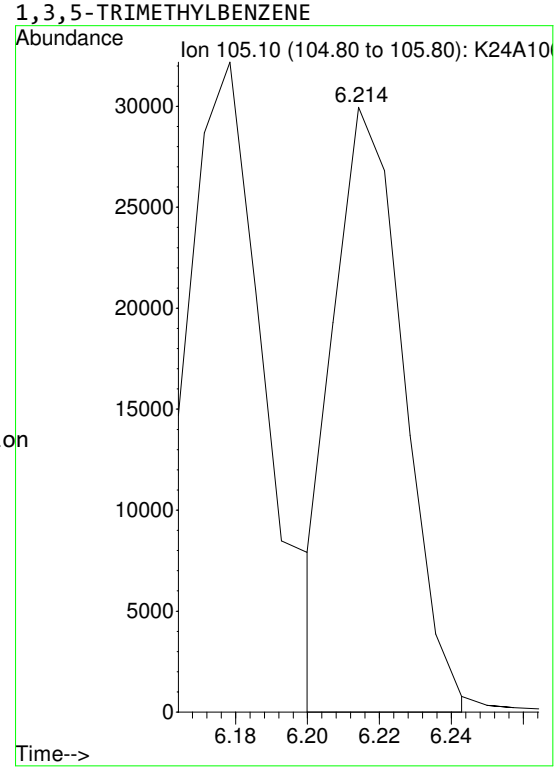
RT : 6.21
Area : 31902
Amount: 1.20869

Manual Int. Results

Fri Apr 19 09:54:07 2024

MIuser: KMC
Reason: Incorrect Integration
RT : 6.21
Area : 40545
Amount: 1.53616

Manual Integration
1,3,5-TRIMETHYLBENZENE



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106014.D
Acq On : 15 Apr 2024 05:11 pm
Operator : CMR
Sample : 5.0PPBv STD Inst : SYSK
Misc : CTWS-4185-1069 05/03
ALS Vial : 3 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 09:10:52 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.903	49	89107m	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.527	114	200182	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.142	117	181661	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.902	49	100630	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.533	114	215952	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.148	117	192965	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.799	174	98059	6.436	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 80.50%			
88) 4-BROMOFLUOROBENZENE (...	5.798	174	101715	6.707	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 83.88%			
Target Compounds						Qvalue
2) PROPENE	1.523	41	19745	3.828	PPBV	95
3) DICHLORODIFLUOROMETHANE	1.544	85	90940	3.638	PPBV	100
4) CHLOROMETHANE	1.587	50	36925m	6.439	PPBV	
5) FREON 114	1.616	85	90978	4.693	PPBV	96
6) VINYL CHLORIDE	1.644	62	39247	5.708	PPBV	98
7) 1,3-BUTADIENE	1.687	54	30689	6.360	PPBV	97
8) BROMOMETHANE	1.765	94	30232	4.514	PPBV	99
9) CHLOROETHANE	1.808	64	20329	5.745	PPBV	99
10) ACROLEIN	1.944	56	15851	5.850	PPBV	94
11) ACETONE	1.986	43	53178	4.821	PPBV	90
12) TRICHLOROFLUOROMETHANE	2.043	101	87759	3.164	PPBV	99
13) ETHANOL	1.844	45	7606	5.861	PPBV	83
14) 1,1-DICHLOROETHENE	2.245	61	61845	4.317	PPBV	99
15) METHYLENE CHLORIDE	2.283	49	44100	5.080	PPBV	97
16) FREON 113	2.374	101	70213	4.376	PPBV	92
17) CARBON DISULFIDE	2.381	76	94252	5.470	PPBV	99
18) TRANS-1,2-DICHLOROETHENE	2.563	61	60304	5.122	PPBV	91
19) 1,1-DICHLOROETHANE	2.616	63	76042	5.701	PPBV	99
20) MTBE	2.639	73	93375	4.405	PPBV	96
21) IPA	2.058	45	67380	4.885	PPBV	91
22) 2-BUTANONE(MEK)	2.729	43	71784	5.375	PPBV	92
23) CIS-1,2-DICHLOROETHENE	2.850	61	48473	4.352	PPBV	99
24) VINYL ACETATE	2.661	43	88499m	6.380	PPBV	
25) HEXANE	2.926	41	36713	4.188	PPBV	88
26) ETHYL ACETATE	2.926	45	9888	4.022	PPBV	95
27) CHLOROFORM	2.941	83	99441	5.698	PPBV	98
28) TETRAHYDROFURAN	3.066	42	28936	4.592	PPBV	97
29) 1,2-DICHLOROETHANE	3.166	62	51304	3.469	PPBV	99
31) 1,1,1-TRICHLOROETHANE	3.251	97	66366	3.875	PPBV	98
32) BENZENE	3.400	78	93887	6.464	PPBV	97
33) CARBON TETRACHLORIDE	3.452	117	63898	3.423	PPBV	99
34) CYCLOHEXANE	3.497	84	39958	6.489	PPBV	93
35) 1,2-DICHLOROPROPANE	3.675	63	39046	6.375	PPBV	99
36) BROMODICHLOROMETHANE	3.747	83	72917	4.828	PPBV	99
37) TRICHLOROETHENE	3.762	95	42347	5.109	PPBV	98
38) 1,4-DIOXANE	3.769	88	16657	5.358	PPBV	98
39) METHYLMETHACRYLATE	3.848	69	33394	6.819	PPBV	94

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106014.D
Acq On : 15 Apr 2024 05:11 pm
Operator : CMR
Sample : 5.0PPBv STD Inst : SYSK
Misc : CTWS-4185-1069 05/03
ALS Vial : 3 Sample Multiplier: 1
InstName : SYSK

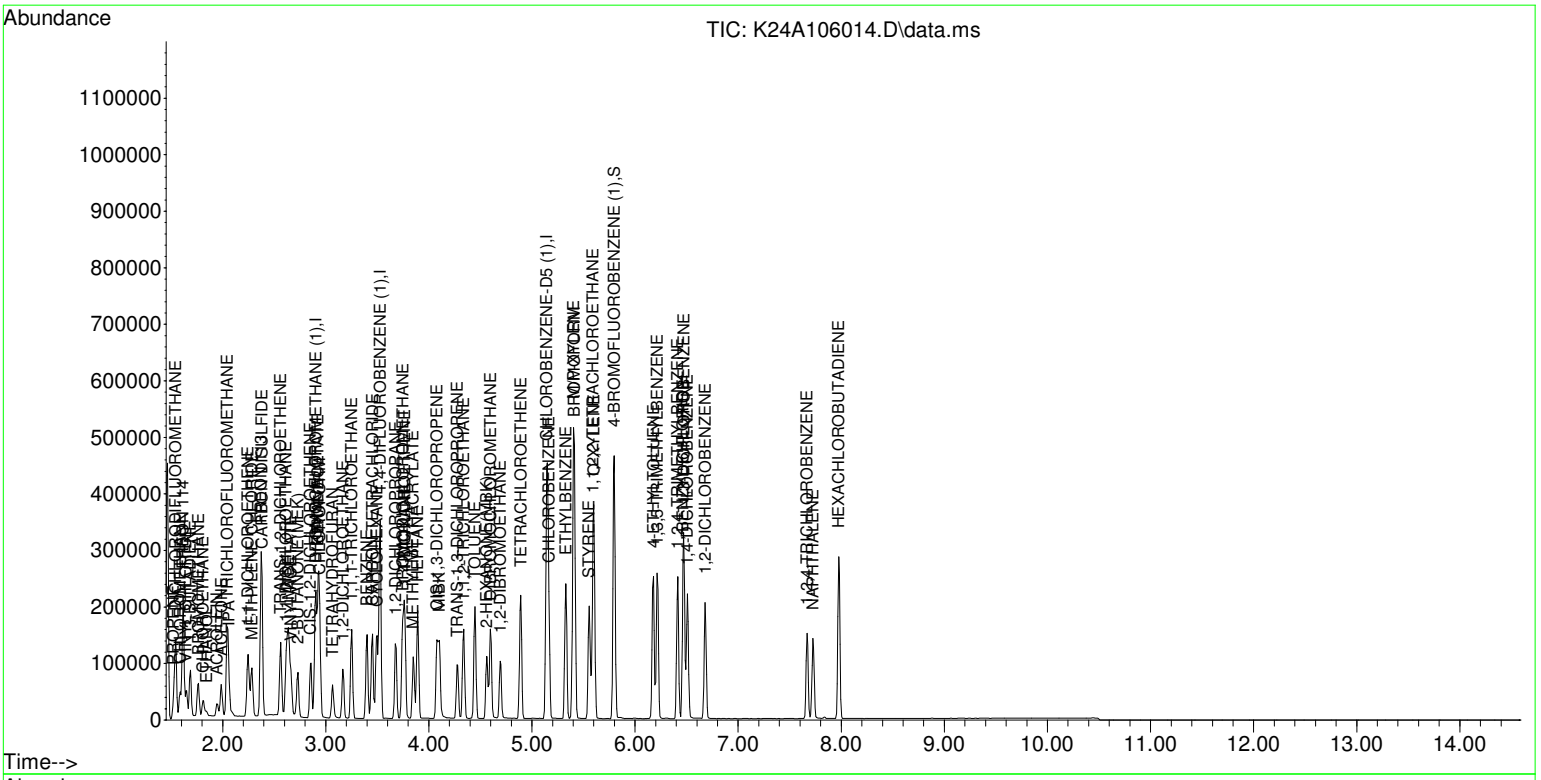
Quant Time: Apr 19 09:10:52 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

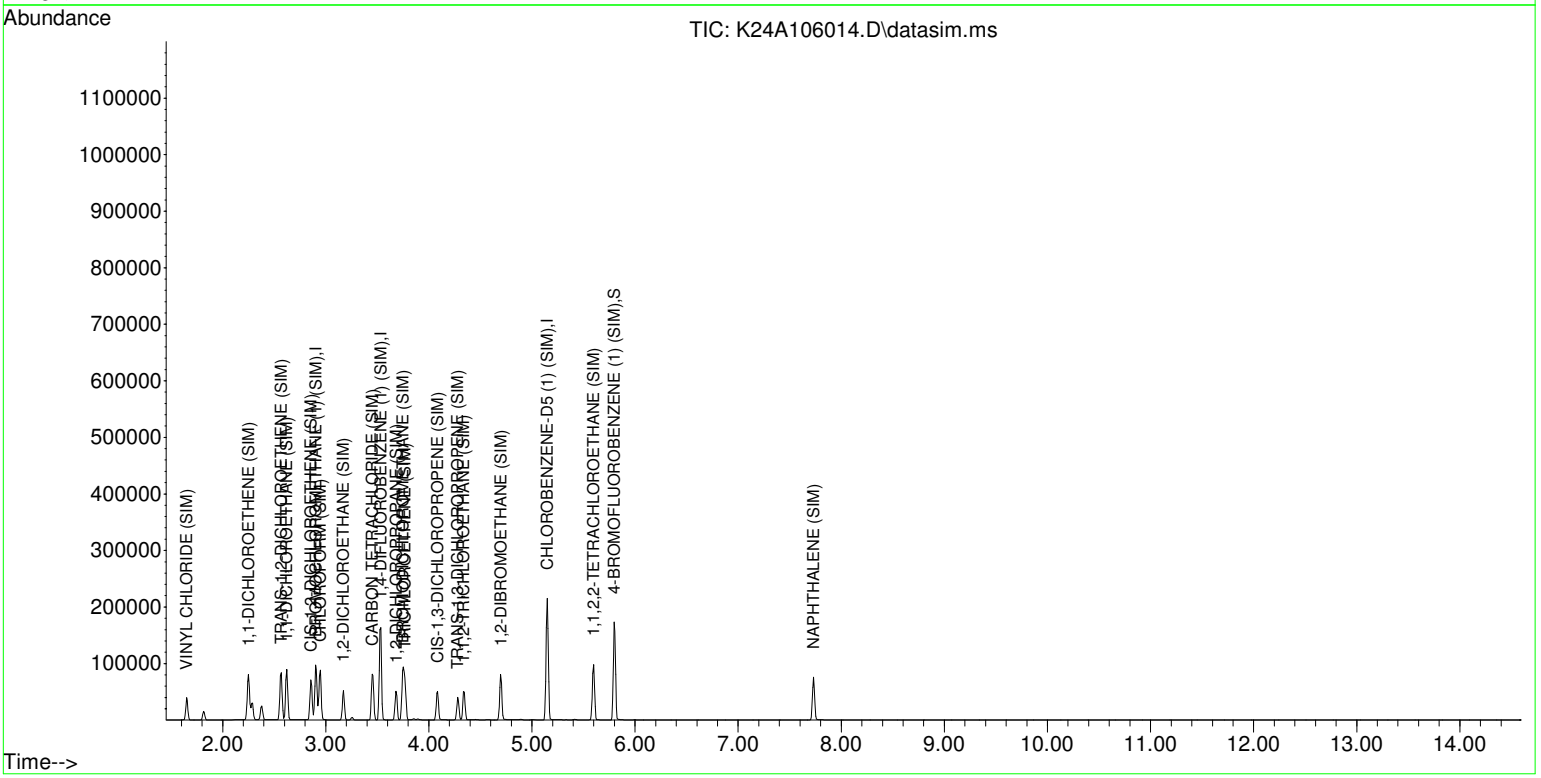
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) HEPTANE	3.891	57	34432	6.300	PPBV	90
41) MIBK	4.101	58	31779	6.612	PPBV #	85
42) CIS-1,3-DICHLOROPROPENE	4.079	75	57074	5.812	PPBV	95
43) TRANS-1,3-DICHLOROPROPENE	4.274	75	44624	5.071	PPBV	98
45) 1,1,2-TRICHLOROETHANE	4.338	97	38795	5.949	PPBV	95
46) TOLUENE	4.446	91	111371	5.958	PPBV	100
47) 2-HEXANONE(MBK)	4.561	43	66201	5.960	PPBV	95
48) DIBROMOCHLOROMETHANE	4.597	129	61763	4.084	PPBV	100
49) 1,2-DIBROMOETHANE	4.691	107	57688	5.157	PPBV	99
50) TETRACHLOROETHENE	4.892	166	47522	4.282	PPBV	95
51) CHLOROBENZENE	5.164	112	82744	5.043	PPBV	95
52) ETHYLBENZENE	5.330	91	148058	5.594	PPBV	99
53) M/P-XYLENE	5.405	91	238019	10.575	PPBV	100
54) BROMOFORM	5.412	173	52031	3.692	PPBV	98
55) STYRENE	5.555	104	82368	5.825	PPBV	96
56) O-XYLENE	5.600	91	116439	5.288	PPBV	99
57) 1,1,2,2-TETRACHLOROETHANE	5.592	83	83767	6.654	PPBV	100
59) 4-ETHYLTOLUENE	6.178	105	153391	5.304	PPBV	97
60) 1,3,5-TRIMETHYLBENZENE	6.214	105	117542m	4.443	PPBV	
61) 1,2,4-TRIMETHYLBENZENE	6.414	105	122867	4.583	PPBV #	98
62) 1,3-DICHLOROBENZENE	6.472	146	78016	4.366	PPBV	99
63) BENZYL CHLORIDE	6.465	91	72398	3.979	PPBV	99
64) 1,4-DICHLOROBENZENE	6.507	146	63402	3.912	PPBV	98
65) 1,2-DICHLOROBENZENE	6.679	146	65208	4.096	PPBV	97
66) 1,2,4-TRICHLOROBENZENE	7.667	180	37629	3.205	PPBV	98
67) NAPHTHALENE	7.725	128	95787	3.819	PPBV	99
68) HEXACHLOROBUTADIENE	7.975	225	42001	2.727	PPBV	95
70] VINYL CHLORIDE (SIM)	1.650	62	41856	5.472	PPBV	100
71] 1,1-DICHLOROETHENE (SIM)	2.251	61	68936	4.127	PPBV	97
72] TRANS-1,2-DICHLOROETHE...	2.569	61	67378	5.149	PPBV	99
73] 1,1-DICHLOROETHANE (SIM)	2.622	63	81280	5.341	PPBV	98
74] CIS-1,2-DICHLOROETHENE...	2.856	61	53021	4.161	PPBV	99
75] CHLOROFORM (SIM)	2.947	83	72077	3.441	PPBV	99
76] 1,2-DICHLOROETHANE (SIM)	3.172	62	56191	3.274	PPBV	99
78] CARBON TETRACHLORIDE (...	3.451	117	64470	3.604	PPBV	100
79] 1,2-DICHLOROPROPANE (SIM)	3.681	63	42286	6.731	PPBV	99
80] BROMODICHLOROMETHANE (...	3.746	83	76066	4.852	PPBV	100
81] TRICHLOROETHENE (SIM)	3.767	95	43842	5.172	PPBV	100
82] CIS-1,3-DICHLOROPROPEN...	4.085	75	60360	5.601	PPBV	95
83] TRANS-1,3-DICHLOROPROP...	4.279	75	46709	4.899	PPBV	97
85] 1,1,2-TRICHLOROETHANE ...	4.337	97	40163	6.018	PPBV	96
86] 1,2-DIBROMOETHANE (SIM)	4.697	107	59101	5.412	PPBV	100
87] 1,1,2,2-TETRACHLOROETH...	5.598	83	87534	6.298	PPBV	99
89] NAPHTHALENE (SIM)	7.730	128	101265	3.726	PPBV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106014.D
Acq On : 15 Apr 2024 05:11 pm
Operator : CMR
Sample : 5.0PPBv STD Inst : SYSK
Misc : CTWS-4185-1069 05/03
ALS Vial : 3 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 09:10:52 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

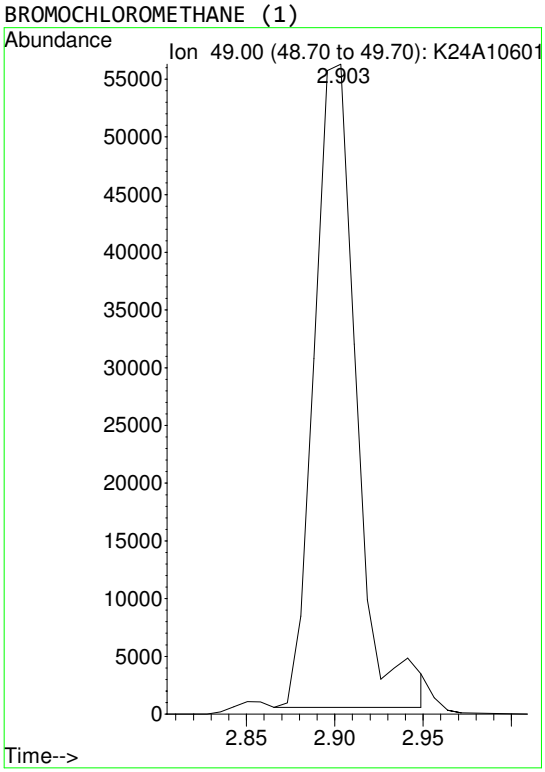




Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106014.D
Acq On : 15 Apr 2024 05:11 pm
Operator : CMR
Sample : 5.0PPBv STD
Misc : CTWS-4185-1069 05/03

Quant Time : Fri Apr 19 13:28:26 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
BROMOCHLOROMETHANE (1)



Original Int. Results

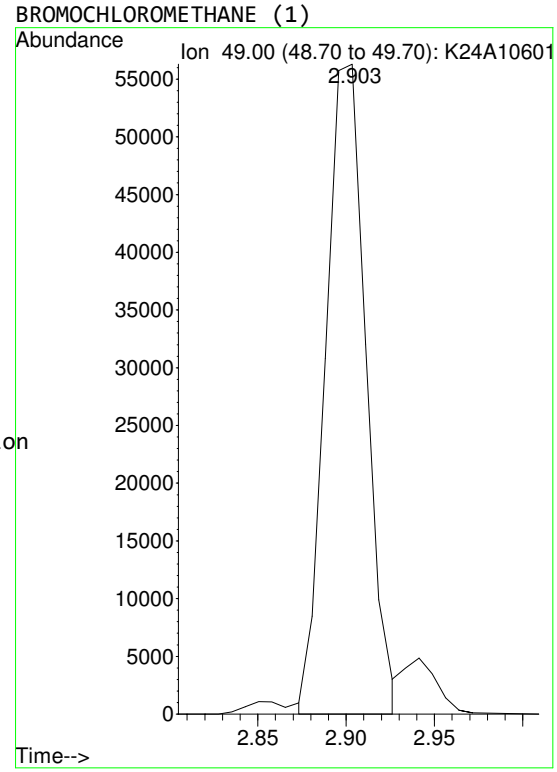
RT : 2.90
Area : 92176
Amount: 8

Manual Int. Results

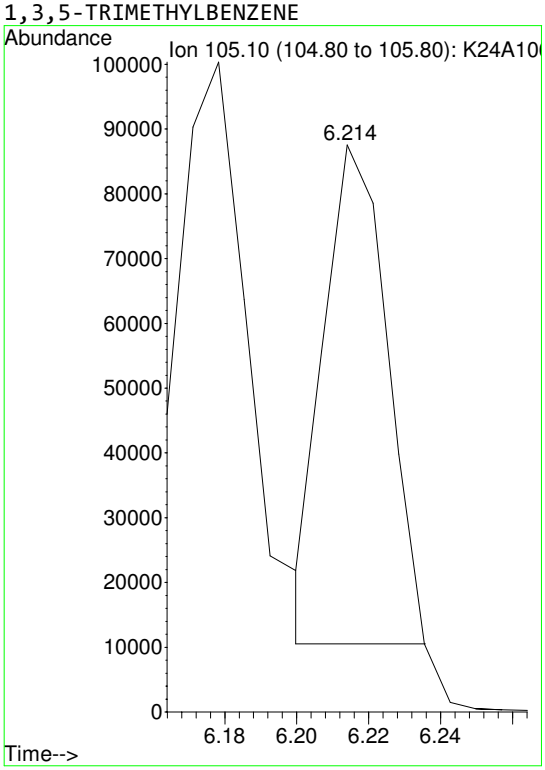
Fri Apr 19 13:28:26 2024

MIuser: KMC
Reason: Incorrect Integration
RT : 2.90
Area : 89107
Amount: 8

Manual Integration
BROMOCHLOROMETHANE (1)



Original Integration
1,3,5-TRIMETHYLBENZENE



Original Int. Results

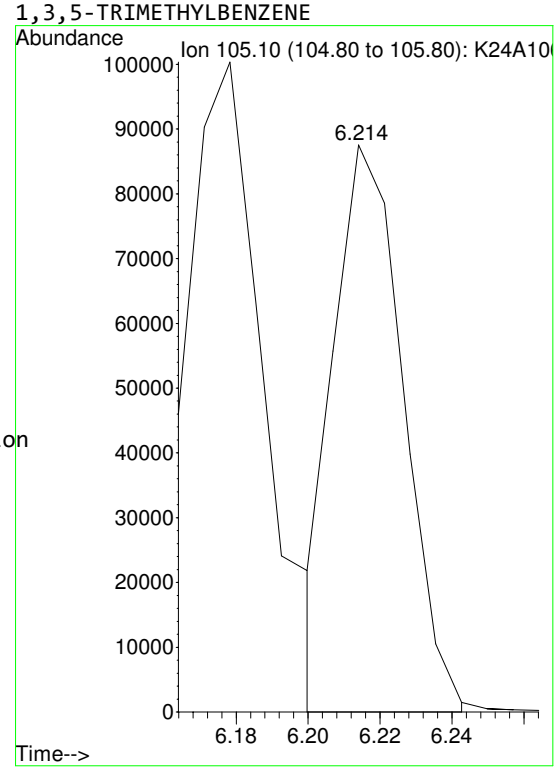
RT : 6.21
Area : 94272
Amount: 3.56377

Manual Int. Results

Fri Apr 19 09:55:56 2024

MIuser: KMC
Reason: Incorrect Integration
RT : 6.21
Area : 117542
Amount: 4.44345

Manual Integration
1,3,5-TRIMETHYLBENZENE



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106015.D
Acq On : 15 Apr 2024 05:41 pm
Operator : CMR
Sample : 10PPBv STD Inst : SYSK
Misc : CTWS-4185-1069 05/03
ALS Vial : 3 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 09:10:55 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.904	49	89079m	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.528	114	200931	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.142	117	183925	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.902	49	96954m	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.533	114	214996	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.148	117	194015	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.799	174	99765	6.467	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 80.88%			
88) 4-BROMOFLUOROBENZENE (...	5.798	174	105000	6.887	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 86.13%			
Target Compounds						Qvalue
2) PROPENE	1.523	41	39175	7.598	PPBV	97
3) DICHLORODIFLUOROMETHANE	1.545	85	183325	7.335	PPBV	100
4) CHLOROMETHANE	1.587	50	77012m	13.433	PPBV	
5) FREON 114	1.616	85	181002	9.341	PPBV	94
6) VINYL CHLORIDE	1.645	62	79495	11.566	PPBV	98
7) 1,3-BUTADIENE	1.687	54	61765	12.853	PPBV	95
8) BROMOMETHANE	1.759	94	60919	9.098	PPBV	99
9) CHLOROETHANE	1.808	64	39668	11.213	PPBV	100
10) ACROLEIN	1.944	56	32237	11.900	PPBV	96
11) ACETONE	1.987	43	106016	9.614	PPBV	90
12) TRICHLOROFLUOROMETHANE	2.044	101	176310	6.359	PPBV	100
13) ETHANOL	1.837	45	16240	12.517	PPBV	89
14) 1,1-DICHLOROETHENE	2.245	61	124023	8.659	PPBV	99
15) METHYLENE CHLORIDE	2.283	49	85720	9.877	PPBV	95
16) FREON 113	2.374	101	139858	8.719	PPBV	91
17) CARBON DISULFIDE	2.374	76	190128	11.037	PPBV	99
18) TRANS-1,2-DICHLOROETHENE	2.563	61	123953	10.531	PPBV	93
19) 1,1-DICHLOROETHANE	2.616	63	151116	11.332	PPBV	100
20) MTBE	2.639	73	186552	8.803	PPBV	96
21) IPA	2.058	45	145529	10.555	PPBV	95
22) 2-BUTANONE(MEK)	2.730	43	146505	10.974	PPBV	89
23) CIS-1,2-DICHLOROETHENE	2.851	61	98239	8.823	PPBV	98
24) VINYL ACETATE	2.662	43	173495m	12.511	PPBV	
25) HEXANE	2.926	41	73689	8.408	PPBV	88
26) ETHYL ACETATE	2.926	45	19764	8.041	PPBV	91
27) CHLOROFORM	2.942	83	198271	11.364	PPBV	99
28) TETRAHYDROFURAN	3.066	42	59255	9.407	PPBV	95
29) 1,2-DICHLOROETHANE	3.166	62	104705	7.083	PPBV	99
31) 1,1,1-TRICHLOROETHANE	3.252	97	134690	7.835	PPBV	99
32) BENZENE	3.400	78	190081	13.038	PPBV	97
33) CARBON TETRACHLORIDE	3.453	117	130169	6.946	PPBV	98
34) CYCLOHEXANE	3.498	84	80557	13.034	PPBV	95
35) 1,2-DICHLOROPROPANE	3.675	63	79490	12.931	PPBV	98
36) BROMODICHLOROMETHANE	3.747	83	149361	9.853	PPBV	99
37) TRICHLOROETHENE	3.762	95	85913	10.326	PPBV	97
38) 1,4-DIOXANE	3.762	88	33953	10.880	PPBV	98
39) METHYLMETHACRYLATE	3.848	69	69295	14.098	PPBV	95

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106015.D
Acq On : 15 Apr 2024 05:41 pm
Operator : CMR
Sample : 10PPBv STD Inst : SYSK
Misc : CTWS-4185-1069 05/03
ALS Vial : 3 Sample Multiplier: 1
InstName : SYSK

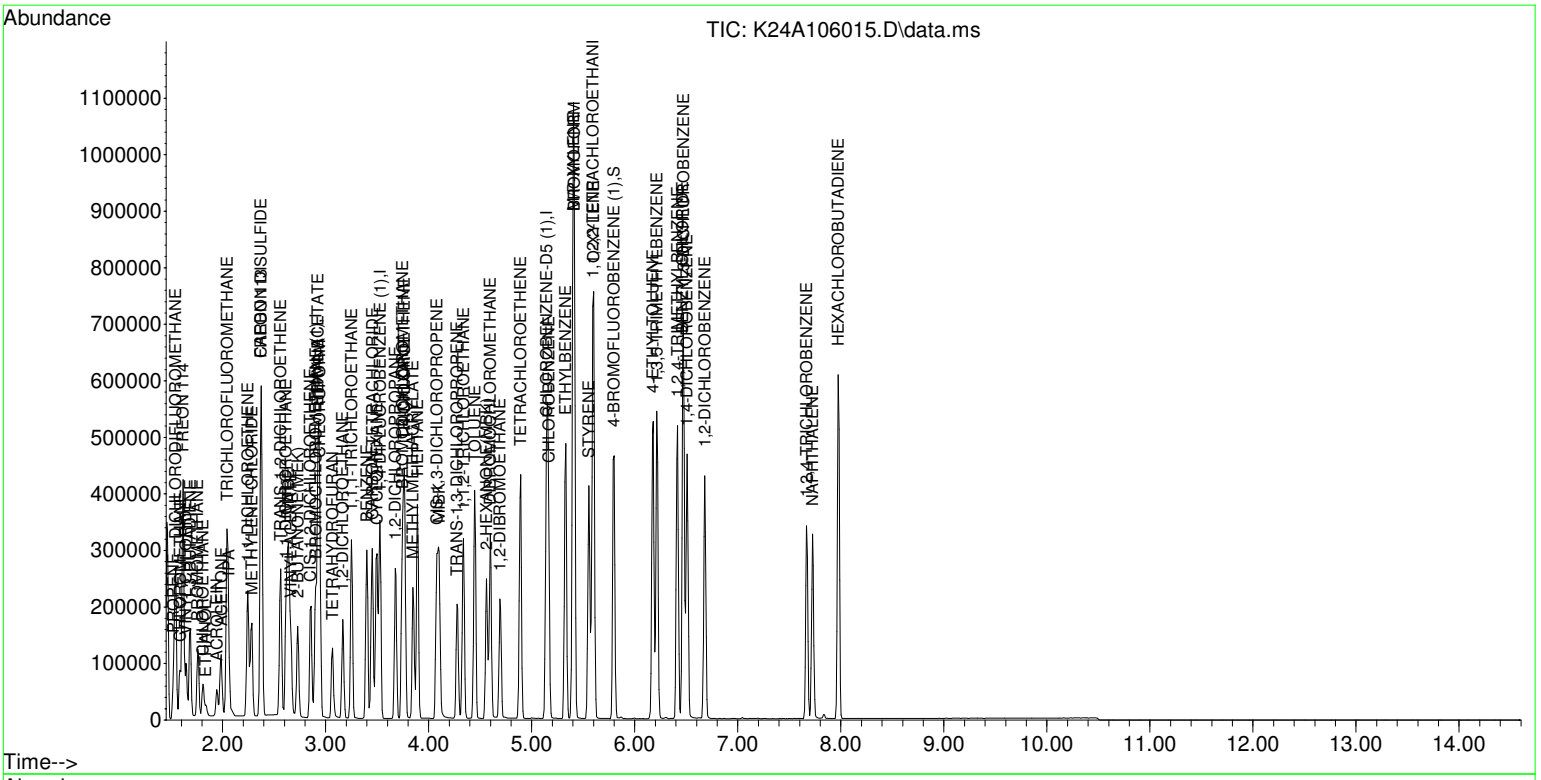
Quant Time: Apr 19 09:10:55 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

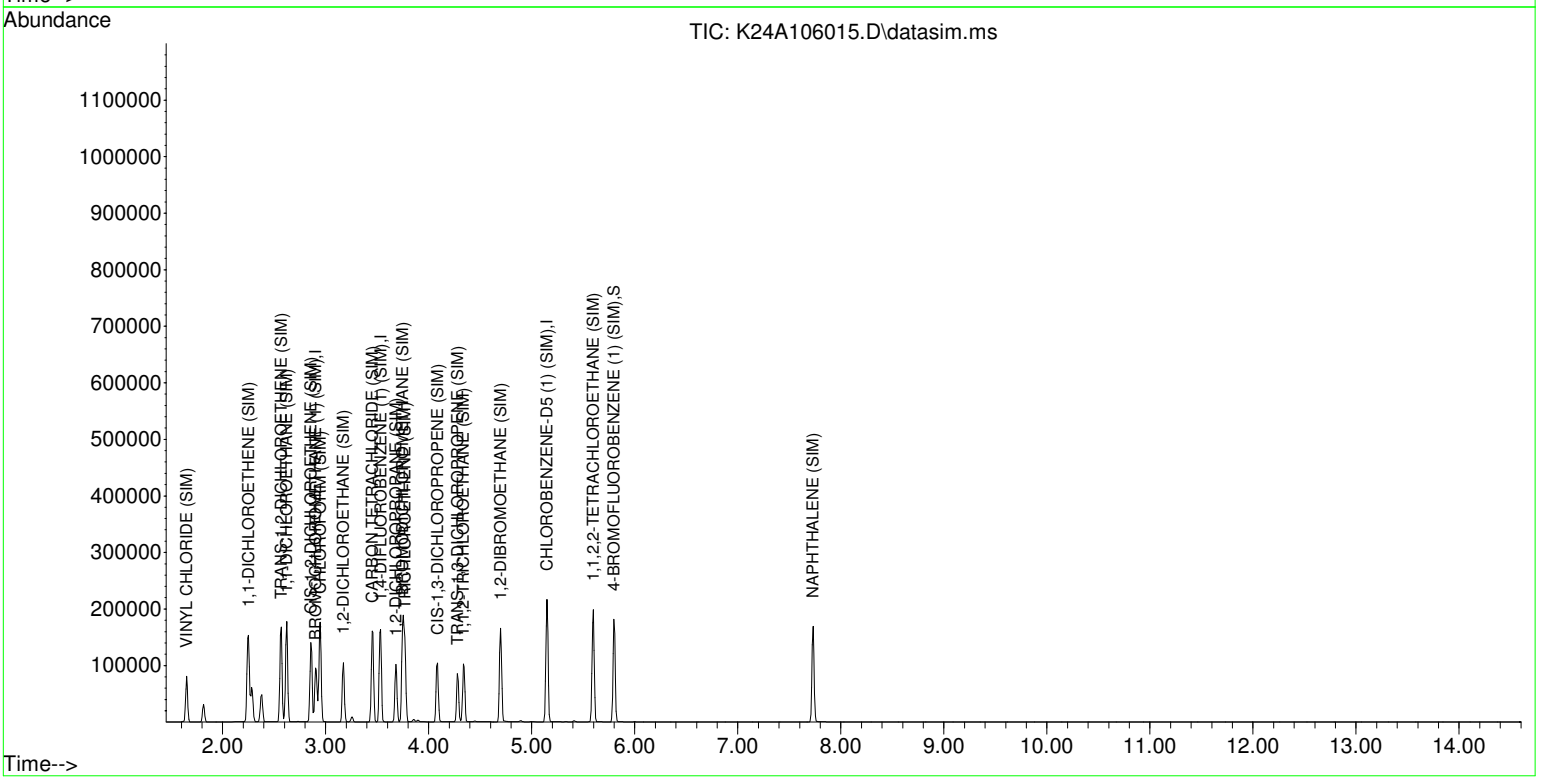
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) HEPTANE	3.892	57	68149	12.423	PPBV		94
41) MIBK	4.101	58	66997	13.888	PPBV	#	84
42) CIS-1,3-DICHLOROPROPENE	4.080	75	116689	11.838	PPBV		93
43) TRANS-1,3-DICHLOROPROPENE	4.274	75	91913	10.406	PPBV		97
45) 1,1,2-TRICHLOROETHANE	4.339	97	78386	11.872	PPBV		96
46) TOLUENE	4.446	91	229575	12.131	PPBV		98
47) 2-HEXANONE(MBK)	4.562	43	141578	12.589	PPBV		95
48) DIBROMOCHLOROMETHANE	4.598	129	128021	8.360	PPBV		100
49) 1,2-DIBROMOETHANE	4.691	107	118671	10.479	PPBV		99
50) TETRACHLOROETHENE	4.893	166	94188	8.382	PPBV		94
51) CHLOROBENZENE	5.165	112	167611	10.090	PPBV		95
52) ETHYLBENZENE	5.330	91	306946	11.454	PPBV		99
53) M/P-XYLENE	5.405	91	491351	21.563	PPBV		100
54) BROMOFORM	5.412	173	110385	7.736	PPBV		98
55) STYRENE	5.555	104	168345	11.759	PPBV		97
56) O-XYLENE	5.600	91	236955	10.629	PPBV		99
57) 1,1,2,2-TETRACHLOROETHANE	5.592	83	169910	13.331	PPBV		99
59) 4-ETHYLTOLUENE	6.179	105	307429	10.500	PPBV		99
60) 1,3,5-TRIMETHYLBENZENE	6.214	105	231011m	8.625	PPBV		
61) 1,2,4-TRIMETHYLBENZENE	6.415	105	256689	9.456	PPBV	#	98
62) 1,3-DICHLOROBENZENE	6.472	146	164118	9.071	PPBV		95
63) BENZYL CHLORIDE	6.465	91	174692	9.483	PPBV		99
64) 1,4-DICHLOROBENZENE	6.508	146	133523	8.138	PPBV		98
65) 1,2-DICHLOROBENZENE	6.680	146	138192	8.574	PPBV		99
66) 1,2,4-TRICHLOROBENZENE	7.668	180	84846	7.137	PPBV		98
67) NAPHTHALENE	7.725	128	213764	8.417	PPBV		99
68) HEXACHLOROBUTADIENE	7.975	225	88025	5.646	PPBV		95
70] VINYL CHLORIDE (SIM)	1.650	62	84785	11.504	PPBV		99
71] 1,1-DICHLOROETHENE (SIM)	2.251	61	137197	8.525	PPBV		97
72] TRANS-1,2-DICHLOROETHE...	2.569	61	134430	10.663	PPBV		99
73] 1,1-DICHLOROETHANE (SIM)	2.622	63	161820	11.037	PPBV		98
74] CIS-1,2-DICHLOROETHENE...	2.857	61	106325	8.661	PPBV		99
75] CHLOROFORM (SIM)	2.947	83	142976	7.085	PPBV		99
76] 1,2-DICHLOROETHANE (SIM)	3.172	62	113012	6.835	PPBV		99
78] CARBON TETRACHLORIDE (...	3.451	117	129224	7.256	PPBV		100
79] 1,2-DICHLOROPROPANE (SIM)	3.681	63	84775	13.554	PPBV		99
80] BROMODICHLOROMETHANE (...	3.746	83	154251	9.882	PPBV		100
81] TRICHLOROETHENE (SIM)	3.768	95	87481	10.365	PPBV		100
82] CIS-1,3-DICHLOROPROPEN...	4.085	75	124380	11.594	PPBV		95
83] TRANS-1,3-DICHLOROPROP...	4.280	75	98040	10.330	PPBV		97
85] 1,1,2-TRICHLOROETHANE ...	4.337	97	80934	12.061	PPBV		95
86] 1,2-DIBROMOETHANE (SIM)	4.697	107	120757	10.998	PPBV		100
87] 1,1,2,2-TETRACHLOROETH...	5.598	83	179033	12.812	PPBV		99
89] NAPHTHALENE (SIM)	7.731	128	222866	8.157	PPBV		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K041524\ 320
Data File : K24A106015.D
Acq On : 15 Apr 2024 05:41 pm
Operator : CMR
Sample : 10PPBv STD Inst : SYSK
Misc : CTWS-4185-1069 05/03
ALS Vial : 3 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 09:10:55 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

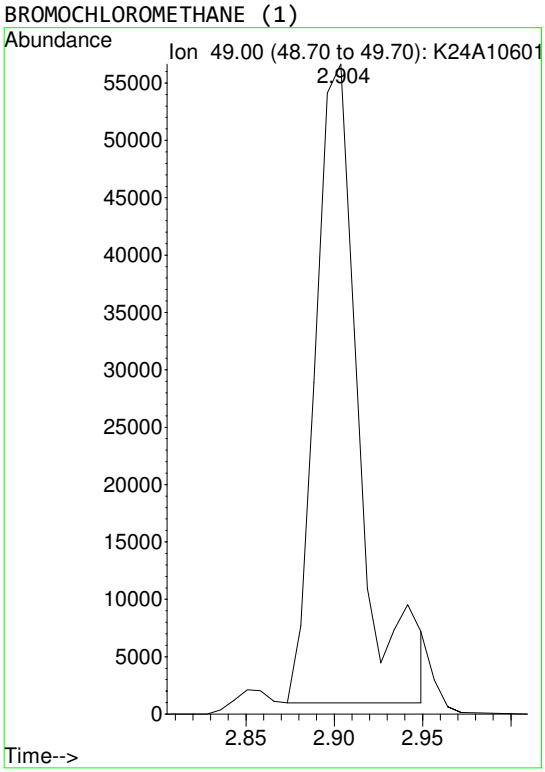




Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106015.D
Acq On : 15 Apr 2024 05:41 pm
Operator : CMR
Sample : 10PPBv STD
Misc : CTWS-4185-1069 05/03

Quant Time : Fri Apr 19 13:25:29 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
BROMOCHLOROMETHANE (1)



Original Int. Results

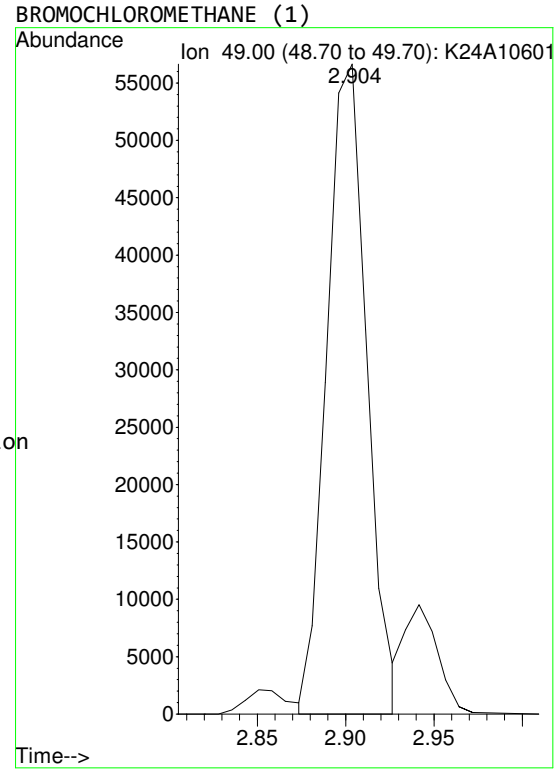
RT : 2.90
Area : 95564
Amount: 8

Manual Int. Results

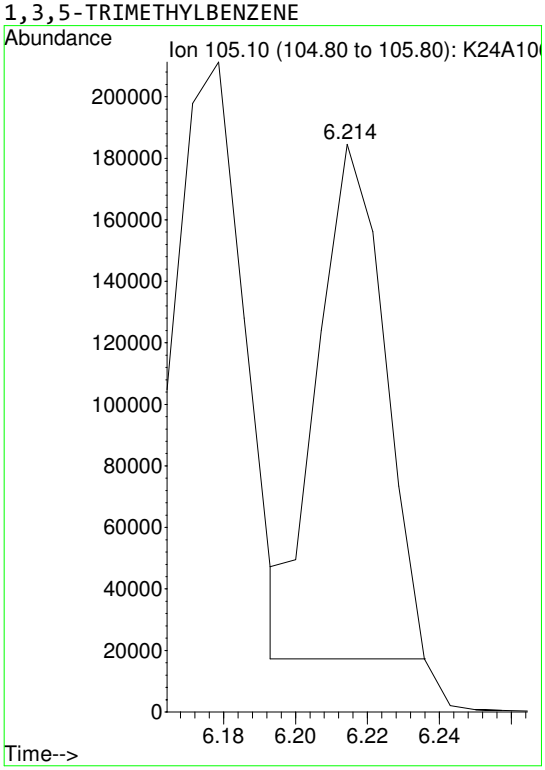
Fri Apr 19 13:23:47 2024

MIuser: KMC
Reason: Incorrect Integration
RT : 2.90
Area : 89079
Amount: 8

Manual Integration
BROMOCHLOROMETHANE (1)



Original Integration
1,3,5-TRIMETHYLBENZENE



Original Int. Results

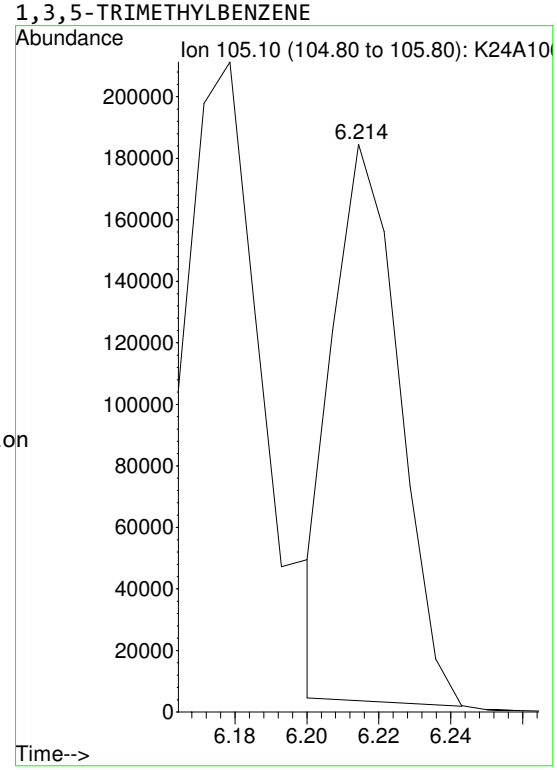
RT : 6.21
Area : 215192
Amount: 8.03478

Manual Int. Results

Fri Apr 19 09:57:37 2024

MIuser: KMC
Reason: Incorrect Integration
RT : 6.21
Area : 231011
Amount: 8.62543

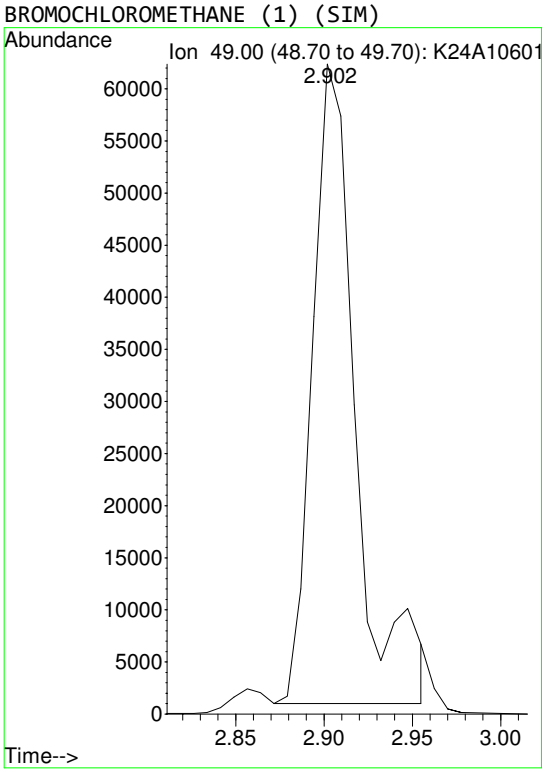
Manual Integration
1,3,5-TRIMETHYLBENZENE



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106015.D
Acq On : 15 Apr 2024 05:41 pm
Operator : CMR
Sample : 10PPBv STD
Misc : CTWS-4185-1069 05/03

Quant Time : Fri Apr 19 13:25:29 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
BROMOCHLOROMETHANE (1) (SIM)



Original Int. Results

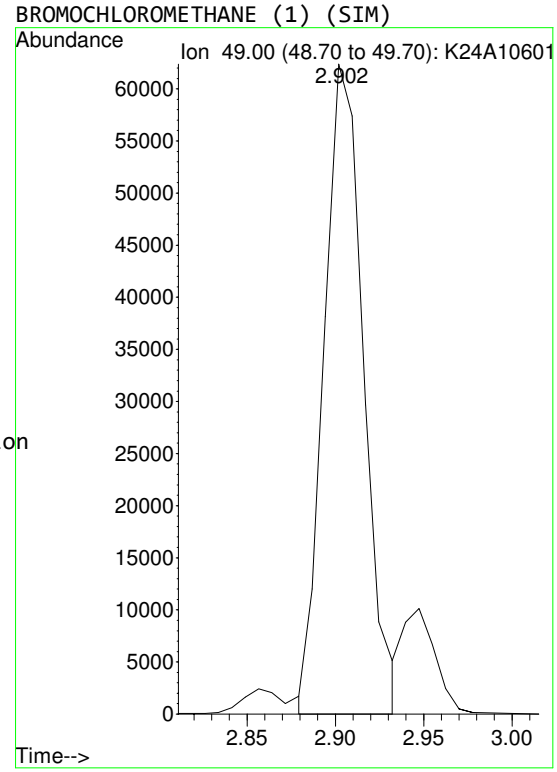
RT : 2.90
Area : 104255
Amount: 8

Manual Int. Results

Fri Apr 19 09:57:54 2024

MIuser: KMC
Reason: Incorrect Integration
RT : 2.90
Area : 96954
Amount: 8

Manual Integration
BROMOCHLOROMETHANE (1) (SIM)



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106016.D
Acq On : 15 Apr 2024 06:12 pm
Operator : CMR
Sample : 20PPBv STD Inst : SYSK
Misc : CTWS-4185-1069 05/03
ALS Vial : 3 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 09:10:58 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.896	49	88431m	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.528	114	198397	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.142	117	179765	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.902	49	91671	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.526	114	210878	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.148	117	190097	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.799	174	98984	6.565	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 82.13%			
88) 4-BROMOFLUOROBENZENE (...	5.798	174	101542	6.797	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 85.00%			
Target Compounds						Qvalue
2) PROPENE	1.523	41	77539	15.149	PPBV	96
3) DICHLORODIFLUOROMETHANE	1.545	85	372681	15.021	PPBV	100
4) CHLOROMETHANE	1.587	50	148270m	26.052	PPBV	
5) FREON 114	1.616	85	369723	19.219	PPBV	94
6) VINYL CHLORIDE	1.645	62	159434	23.367	PPBV	98
7) 1,3-BUTADIENE	1.687	54	123904	26.022	PPBV	96
8) BROMOMETHANE	1.766	94	122510	18.430	PPBV	99
9) CHLOROETHANE	1.808	64	80237	22.848	PPBV	99
10) ACROLEIN	1.944	56	66572	24.755	PPBV	96
11) ACETONE	1.987	43	211793	19.347	PPBV	89
12) TRICHLOROFLUOROMETHANE	2.044	101	359854	13.074	PPBV	99
13) ETHANOL	1.844	45	32957	25.588	PPBV	100
14) 1,1-DICHLOROETHENE	2.245	61	254577	17.904	PPBV	99
15) METHYLENE CHLORIDE	2.283	49	172052	19.971	PPBV	96
16) FREON 113	2.374	101	285643	17.938	PPBV	90
17) CARBON DISULFIDE	2.374	76	392236	22.936	PPBV	99
18) TRANS-1,2-DICHLOROETHENE	2.563	61	251199	21.497	PPBV	94
19) 1,1-DICHLOROETHANE	2.616	63	298581	22.554	PPBV	100
20) MTBE	2.639	73	375619	17.855	PPBV	96
21) IPA	2.058	45	292817	21.393	PPBV	96
22) 2-BUTANONE(MEK)	2.730	43	293814	22.169	PPBV	90
23) CIS-1,2-DICHLOROETHENE	2.851	61	198877	17.991	PPBV	99
24) VINYL ACETATE	2.662	43	376301m	27.334	PPBV	
25) HEXANE	2.926	41	150942	17.349	PPBV	88
26) ETHYL ACETATE	2.926	45	40441	16.574	PPBV	89
27) CHLOROFORM	2.941	83	278611	16.086	PPBV	98
28) TETRAHYDROFURAN	3.059	42	119331	19.083	PPBV	95
29) 1,2-DICHLOROETHANE	3.166	62	210977	14.376	PPBV	98
31) 1,1,1-TRICHLOROETHANE	3.252	97	276590	16.294	PPBV	99
32) BENZENE	3.400	78	387710	26.934	PPBV	96
33) CARBON TETRACHLORIDE	3.453	117	260795	14.095	PPBV	99
34) CYCLOHEXANE	3.498	84	164284	26.921	PPBV	95
35) 1,2-DICHLOROPROPANE	3.675	63	159608	26.295	PPBV	98
36) BROMODICHLOROMETHANE	3.747	83	301579	20.149	PPBV	100
37) TRICHLOROETHENE	3.762	95	174201	21.205	PPBV	97
38) 1,4-DIOXANE	3.762	88	70858	22.996	PPBV	98
39) METHYLMETHACRYLATE	3.848	69	145154	29.908	PPBV	95

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106016.D
Acq On : 15 Apr 2024 06:12 pm
Operator : CMR
Sample : 20PPBv STD Inst : SYSK
Misc : CTWS-4185-1069 05/03
ALS Vial : 3 Sample Multiplier: 1
InstName : SYSK

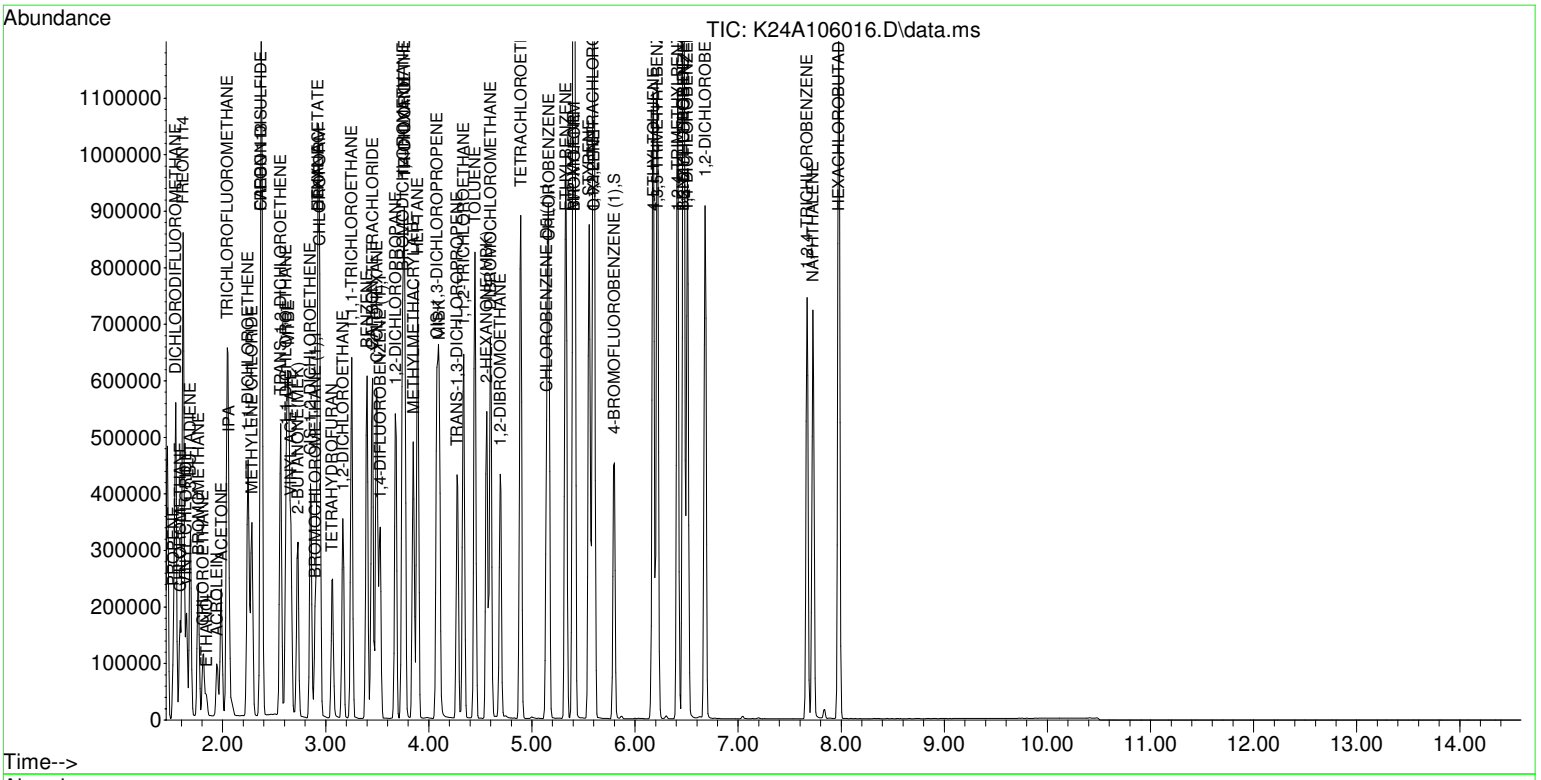
Quant Time: Apr 19 09:10:58 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

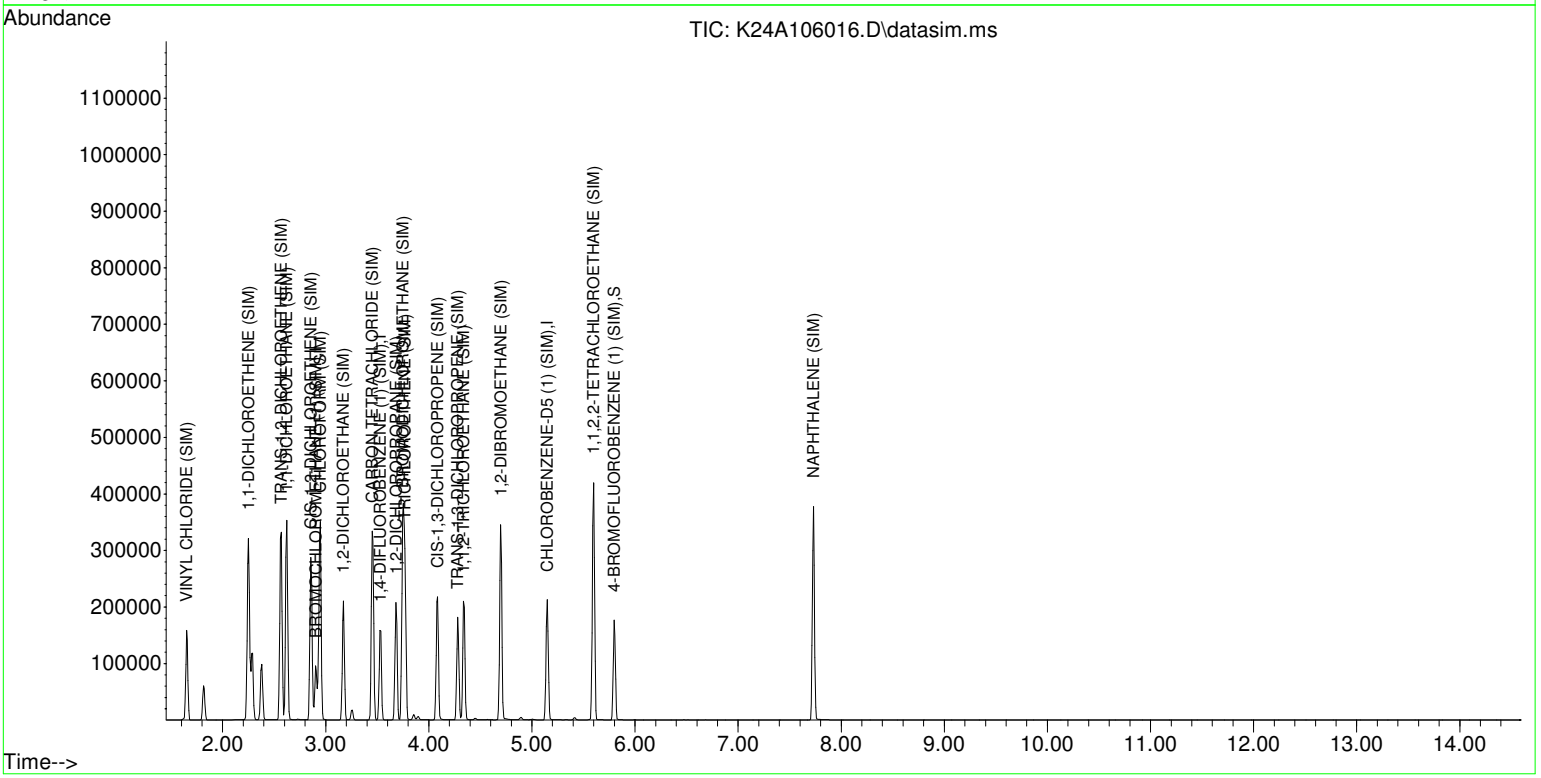
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) HEPTANE	3.892	57	141001	26.031	PPBV		92
41) MIBK	4.101	58	140453	29.487	PPBV	#	83
42) CIS-1,3-DICHLOROPROPENE	4.080	75	244330	25.103	PPBV		93
43) TRANS-1,3-DICHLOROPROPENE	4.274	75	196193	22.495	PPBV		97
45) 1,1,2-TRICHLOROETHANE	4.339	97	159414	24.704	PPBV		95
46) TOLUENE	4.446	91	468828	25.347	PPBV		99
47) 2-HEXANONE(MBK)	4.562	43	302830	27.550	PPBV		95
48) DIBROMOCHLOROMETHANE	4.598	129	266129	17.781	PPBV		100
49) 1,2-DIBROMOETHANE	4.691	107	244187	22.061	PPBV		100
50) TETRACHLOROETHENE	4.893	166	195646	17.813	PPBV		95
51) CHLOROBENZENE	5.165	112	346808	21.360	PPBV		95
52) ETHYLBENZENE	5.330	91	630917	24.088	PPBV		99
53) M/P-XYLENE	5.405	91	1033917	46.423	PPBV		100
54) BROMOFORM	5.412	173	237209	17.008	PPBV		98
55) STYRENE	5.555	104	358173	25.597	PPBV		97
56) O-XYLENE	5.600	91	494587	22.698	PPBV		99
57) 1,1,2,2-TETRACHLOROETHANE	5.592	83	352496	28.297	PPBV		100
59) 4-ETHYLTOLUENE	6.179	105	684838	23.932	PPBV		98
60) 1,3,5-TRIMETHYLBENZENE	6.214	105	503708m	19.243	PPBV		
61) 1,2,4-TRIMETHYLBENZENE	6.415	105	546279	20.590	PPBV	#	98
62) 1,3-DICHLOROBENZENE	6.472	146	346954	19.620	PPBV		98
63) BENZYL CHLORIDE	6.465	91	407435	22.630	PPBV		99
64) 1,4-DICHLOROBENZENE	6.508	146	288191	17.971	PPBV		97
65) 1,2-DICHLOROBENZENE	6.680	146	290565	18.446	PPBV		98
66) 1,2,4-TRICHLOROBENZENE	7.668	180	185508	15.967	PPBV		99
67) NAPHTHALENE	7.725	128	468824	18.887	PPBV		99
68) HEXACHLOROBUTADIENE	7.975	225	185577	12.178	PPBV		96
70] VINYL CHLORIDE (SIM)	1.650	62	169444	24.315	PPBV		100
71] 1,1-DICHLOROETHENE (SIM)	2.251	61	276668	18.181	PPBV		97
72] TRANS-1,2-DICHLOROETHE...	2.569	61	270319	22.678	PPBV		98
73] 1,1-DICHLOROETHANE (SIM)	2.622	63	324253	23.390	PPBV		98
74] CIS-1,2-DICHLOROETHENE...	2.856	61	213764	18.417	PPBV		100
75] CHLOROFORM (SIM)	2.947	83	289283	15.161	PPBV		99
76] 1,2-DICHLOROETHANE (SIM)	3.172	62	226724	14.503	PPBV		99
78] CARBON TETRACHLORIDE (...	3.451	117	263366	15.077	PPBV		100
79] 1,2-DICHLOROPROPANE (SIM)	3.681	63	171728	27.992	PPBV		99
80] BROMODICHLOROMETHANE (...	3.746	83	312904	20.438	PPBV		100
81] TRICHLOROETHENE (SIM)	3.768	95	178082	21.512	PPBV		100
82] CIS-1,3-DICHLOROPROPEN...	4.085	75	260968	24.800	PPBV		95
83] TRANS-1,3-DICHLOROPROP...	4.280	75	207853	22.327	PPBV		97
85] 1,1,2-TRICHLOROETHANE ...	4.337	97	166105	25.264	PPBV		95
86] 1,2-DIBROMOETHANE (SIM)	4.697	107	250985	23.329	PPBV		100
87] 1,1,2,2-TETRACHLOROETH...	5.598	83	369870	27.015	PPBV		99
89] NAPHTHALENE (SIM)	7.731	128	490582	18.325	PPBV		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106016.D
Acq On : 15 Apr 2024 06:12 pm
Operator : CMR
Sample : 20PPBv STD Inst : SYSK
Misc : CTWS-4185-1069 05/03
ALS Vial : 3 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 09:10:58 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

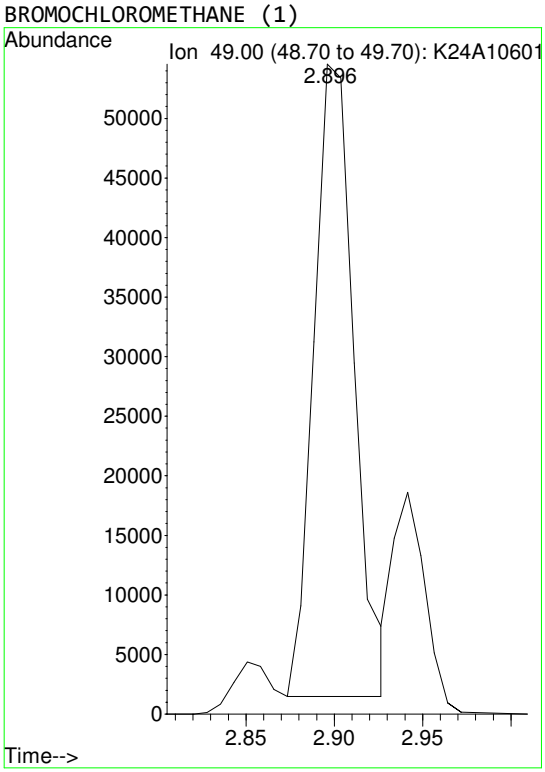




Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106016.D
Acq On : 15 Apr 2024 06:12 pm
Operator : CMR
Sample : 20PPBv STD
Misc : CTWS-4185-1069 05/03

Quant Time : Fri Apr 19 13:28:40 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
BROMOCHLOROMETHANE (1)



Original Int. Results

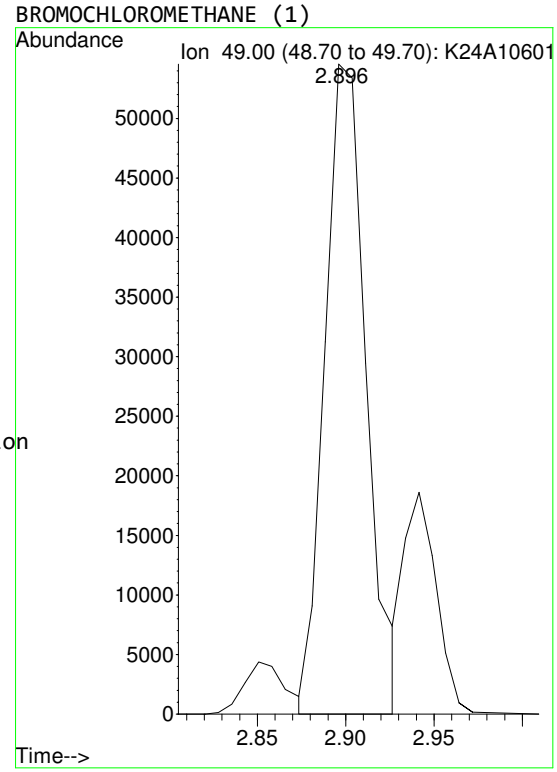
RT : 2.90
Area : 83731
Amount: 8

Manual Int. Results

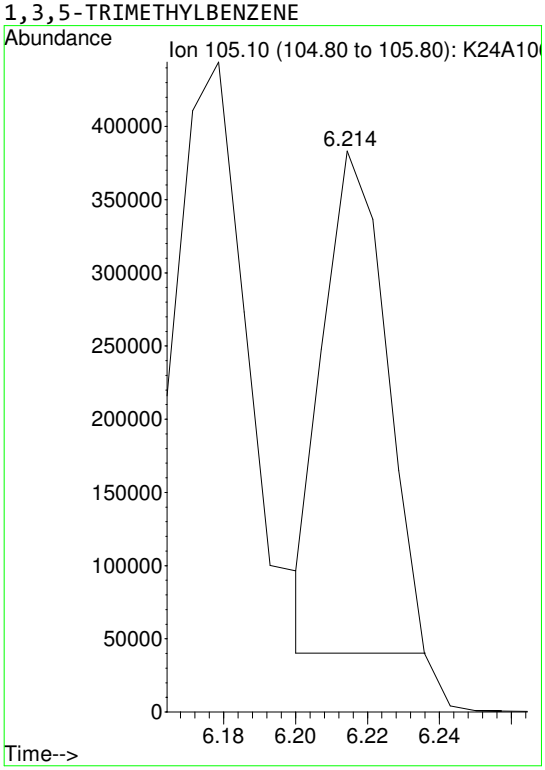
Fri Apr 19 13:28:39 2024

MIuser: KMC
Reason: Incorrect Integration
RT : 2.90
Area : 88431
Amount: 8

Manual Integration
BROMOCHLOROMETHANE (1)



Original Integration
1,3,5-TRIMETHYLBENZENE



Original Int. Results

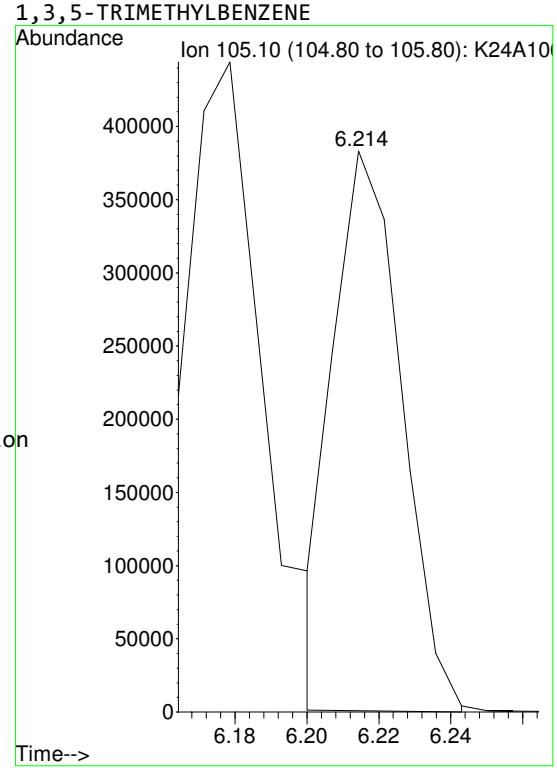
RT : 6.21
Area : 417239
Amount: 15.9393

Manual Int. Results

Fri Apr 19 09:58:39 2024

MIuser: KMC
Reason: Incorrect Integration
RT : 6.21
Area : 503708
Amount: 19.2425

Manual Integration
1,3,5-TRIMETHYLBENZENE



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106017.D
Acq On : 15 Apr 2024 06:49 pm
Operator : CMR
Sample : 50PPBv STD Inst : SYSK
Misc : CTWS-4185-1069 05/03
ALS Vial : 3 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 09:11:01 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.896	49	85812m	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.527	114	199652	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.142	117	185643	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.902	49	86402	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.526	114	212109	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.148	117	194204	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.799	174	101588	6.525	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 81.50%			
88) 4-BROMOFLUOROBENZENE (...	5.798	174	104756	6.864	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 85.75%			
Target Compounds						Qvalue
2) PROPENE	1.523	41	200092	40.285	PPBV	97
3) DICHLORODIFLUOROMETHANE	1.544	85	937032	38.919	PPBV	99
4) CHLOROMETHANE	1.587	50	366562m	66.374	PPBV	
5) FREON 114	1.616	85	943563	50.546	PPBV	94
6) VINYL CHLORIDE	1.644	62	403791	60.987	PPBV	98
7) 1,3-BUTADIENE	1.680	54	313912	68.017	PPBV	95
8) BROMOMETHANE	1.758	94	311786	48.337	PPBV	99
9) CHLOROETHANE	1.808	64	203682	59.769	PPBV	100
10) ACROLEIN	1.944	56	170795	65.450	PPBV	97
11) ACETONE	1.979	43	542711	51.090	PPBV	89
12) TRICHLOROFLUOROMETHANE	2.043	101	913816	34.214	PPBV	98
13) ETHANOL	1.837	45	81701	65.369	PPBV	99
14) 1,1-DICHLOROETHENE	2.245	61	642097	46.537	PPBV	99
15) METHYLENE CHLORIDE	2.275	49	431956	51.668	PPBV	95
16) FREON 113	2.374	101	726334	47.004	PPBV	90
17) CARBON DISULFIDE	2.374	76	1008413	60.766	PPBV	100
18) TRANS-1,2-DICHLOROETHENE	2.563	61	622018	54.856	PPBV	93
19) 1,1-DICHLOROETHANE	2.616	63	745372	58.023	PPBV	100
20) MTBE	2.639	73	942073	46.148	PPBV	96
21) IPA	2.058	45	758841	57.132	PPBV	98
22) 2-BUTANONE(MEK)	2.729	43	736650	57.278	PPBV	89
23) CIS-1,2-DICHLOROETHENE	2.850	61	511317	47.668	PPBV	99
24) VINYL ACETATE	2.661	43	989251m	74.051	PPBV	
25) HEXANE	2.926	41	386528	45.783	PPBV	87
26) ETHYL ACETATE	2.926	45	110895	46.835	PPBV	88
27) CHLOROFORM	2.941	83	706913	42.061	PPBV	98
28) TETRAHYDROFURAN	3.059	42	315145	51.934	PPBV	96
29) 1,2-DICHLOROETHANE	3.166	62	533008	37.429	PPBV	99
31) 1,1,1-TRICHLOROETHANE	3.251	97	706710	41.371	PPBV	99
32) BENZENE	3.400	78	998296	68.915	PPBV	97
33) CARBON TETRACHLORIDE	3.452	117	680585	36.552	PPBV	100
34) CYCLOHEXANE	3.497	84	421850	68.694	PPBV	93
35) 1,2-DICHLOROPROPANE	3.675	63	411183	67.316	PPBV	98
36) BROMODICHLOROMETHANE	3.747	83	773894	51.381	PPBV	100
37) TRICHLOROETHENE	3.762	95	456160	55.179	PPBV	97
38) 1,4-DIOXANE	3.762	88	191313	61.698	PPBV	96
39) METHYLMETHACRYLATE	3.848	69	383619	78.546	PPBV	93

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106017.D
Acq On : 15 Apr 2024 06:49 pm
Operator : CMR
Sample : 50PPBv STD Inst : SYSK
Misc : CTWS-4185-1069 05/03
ALS Vial : 3 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 09:11:01 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

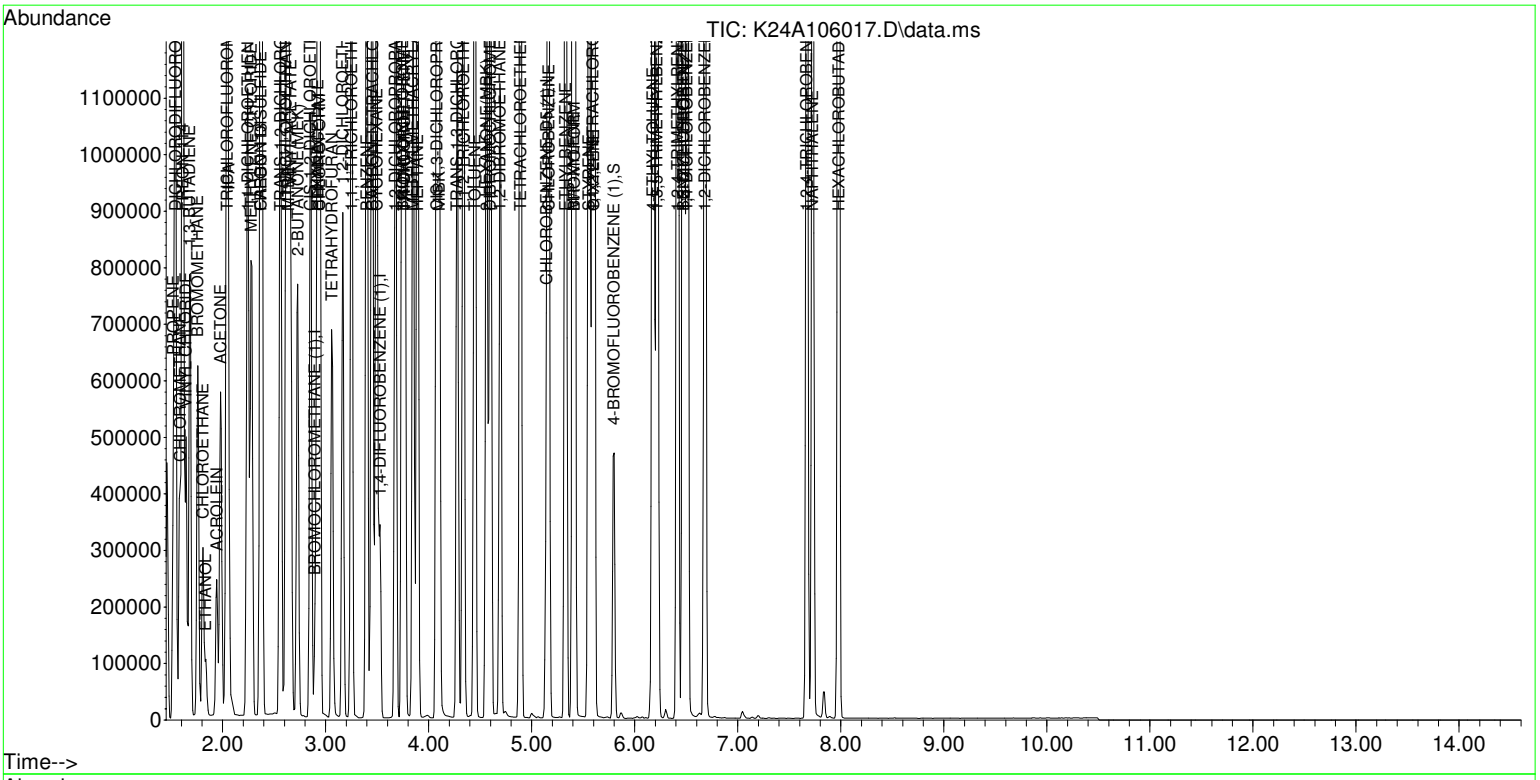
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) HEPTANE	3.891	57	365873	67.122	PPBV		93
41) MIBK	4.101	58	373084	77.833	PPBV	#	81
42) CIS-1,3-DICHLOROPROPENE	4.079	75	651527	66.519	PPBV		94
43) TRANS-1,3-DICHLOROPROPENE	4.274	75	527486	60.100	PPBV		97
45) 1,1,2-TRICHLOROETHANE	4.338	97	410670	61.625	PPBV		95
46) TOLUENE	4.446	91	1221683	63.958	PPBV		99
47) 2-HEXANONE(MBK)	4.561	43	795962	70.119	PPBV		93
48) DIBROMOCHLOROMETHANE	4.597	129	709242	45.886	PPBV		99
49) 1,2-DIBROMOETHANE	4.691	107	643745	56.318	PPBV		100
50) TETRACHLOROETHENE	4.892	166	512902	45.220	PPBV		96
51) CHLOROBENZENE	5.164	112	909906	54.266	PPBV		95
52) ETHYLBENZENE	5.330	91	1665274	61.567	PPBV		98
53) M/P-XYLENE	5.405	91	2810912	122.213	PPBV		99
54) BROMOFORM	5.412	173	672412	46.685	PPBV		99
55) STYRENE	5.555	104	953302	65.970	PPBV		97
56) O-XYLENE	5.600	91	1295855	57.587	PPBV		99
57) 1,1,2,2-TETRACHLOROETHANE	5.592	83	925630	71.954	PPBV		99
59) 4-ETHYLTOLUENE	6.178	105	1818049	61.520	PPBV		99
60) 1,3,5-TRIMETHYLBENZENE	6.214	105	1368136m	50.610	PPBV		
61) 1,2,4-TRIMETHYLBENZENE	6.414	105	1460240	53.295	PPBV	#	99
62) 1,3-DICHLOROBENZENE	6.472	146	912705	49.978	PPBV		98
63) BENZYL CHLORIDE	6.472	91	1219739	65.602	PPBV		98
64) 1,4-DICHLOROBENZENE	6.508	146	802101	48.434	PPBV		98
65) 1,2-DICHLOROBENZENE	6.679	146	780782	47.996	PPBV		98
66) 1,2,4-TRICHLOROBENZENE	7.668	180	540167	45.020	PPBV		98
67) NAPHTHALENE	7.725	128	1281533	49.994	PPBV		99
68) HEXACHLOROBUTADIENE	7.982	225	533339	33.891	PPBV		96
70] VINYL CHLORIDE (SIM)	1.650	62	430904	65.605	PPBV		99
71] 1,1-DICHLOROETHENE (SIM)	2.243	61	693699	48.366	PPBV		98
72] TRANS-1,2-DICHLOROETHE...	2.561	61	669419	59.584	PPBV		97
73] 1,1-DICHLOROETHANE (SIM)	2.622	63	796029	60.924	PPBV		99
74] CIS-1,2-DICHLOROETHENE...	2.856	61	545455	49.859	PPBV		99
75] CHLOROFORM (SIM)	2.947	83	734380	40.834	PPBV		99
76] 1,2-DICHLOROETHANE (SIM)	3.172	62	568561	38.587	PPBV		100
78] CARBON TETRACHLORIDE (...	3.451	117	678416	38.611	PPBV		100
79] 1,2-DICHLOROPROPANE (SIM)	3.681	63	441067	71.478	PPBV		99
80] BROMODICHLOROMETHANE (...	3.746	83	809123	52.542	PPBV		99
81] TRICHLOROETHENE (SIM)	3.767	95	463386	55.651	PPBV		100
82] CIS-1,3-DICHLOROPROPEN...	4.085	75	691430	65.326	PPBV		95
83] TRANS-1,3-DICHLOROPROP...	4.279	75	564243	60.258	PPBV		97
85] 1,1,2-TRICHLOROETHANE ...	4.337	97	425970	63.419	PPBV		95
86] 1,2-DIBROMOETHANE (SIM)	4.697	107	655099	59.604	PPBV		100
87] 1,1,2,2-TETRACHLOROETH...	5.598	83	952027	68.064	PPBV		98
89] NAPHTHALENE (SIM)	7.730	128	1325422	48.461	PPBV		98

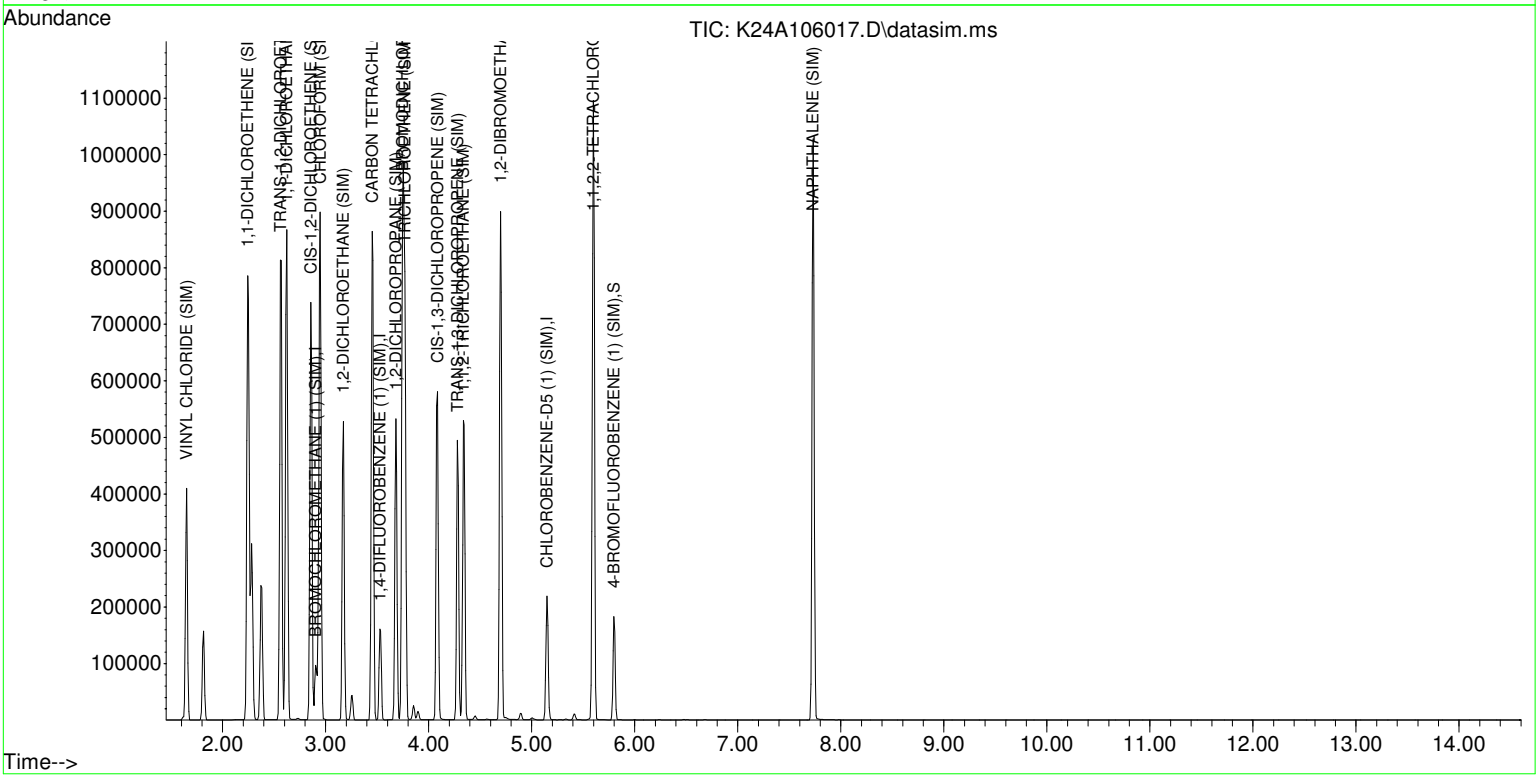
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K041524\

Data File : K24A106017.D
Acq On : 15 Apr 2024 06:49 pm
Operator : CMR
Sample : 50PPBv STD Inst : SYSK
Misc : CTWS-4185-1069 05/03
ALS Vial : 3 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 09:11:01 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Mar 05 09:32:57 2024
Response via : Initial Calibration

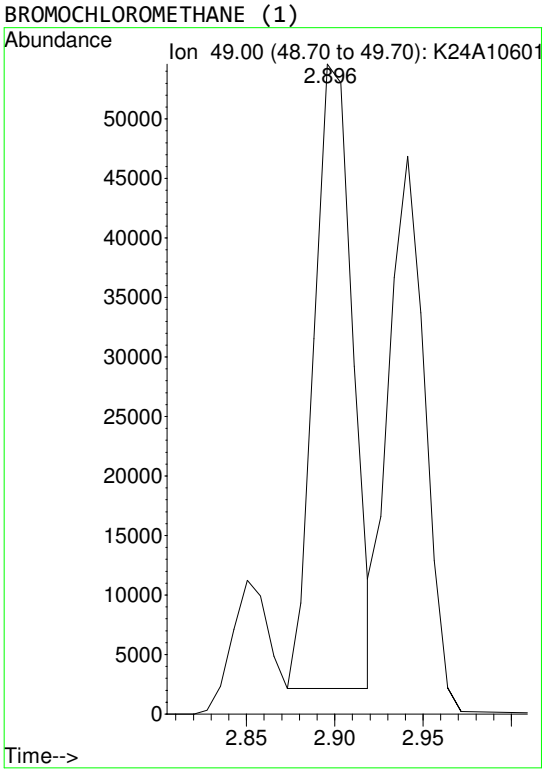




Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106017.D
Acq On : 15 Apr 2024 06:49 pm
Operator : CMR
Sample : 50PPBv STD
Misc : CTWS-4185-1069 05/03

Quant Time : Fri Apr 19 13:27:32 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K020624SIM.M
QLast Update : Tue Mar 05 09:32:57 2024

Original Integration
BROMOCHLOROMETHANE (1)



Original Int. Results

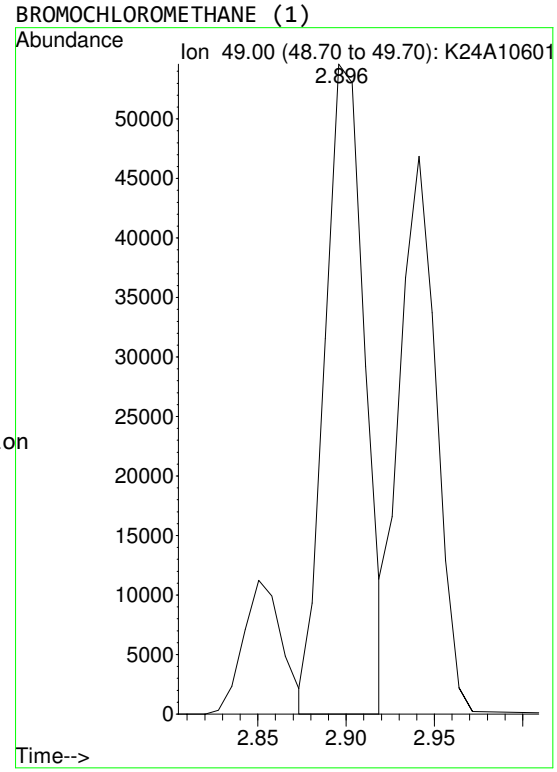
RT : 2.90
Area : 79955
Amount: 8

Manual Int. Results

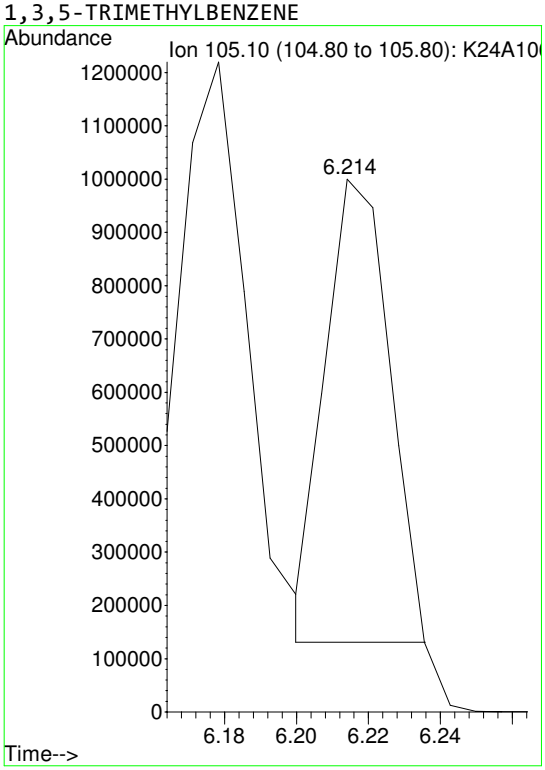
Fri Apr 19 13:27:11 2024

MIuser: KMC
Reason: Incorrect Integration
RT : 2.90
Area : 85812
Amount: 8

Manual Integration
BROMOCHLOROMETHANE (1)



Original Integration
1,3,5-TRIMETHYLBENZENE



Original Int. Results

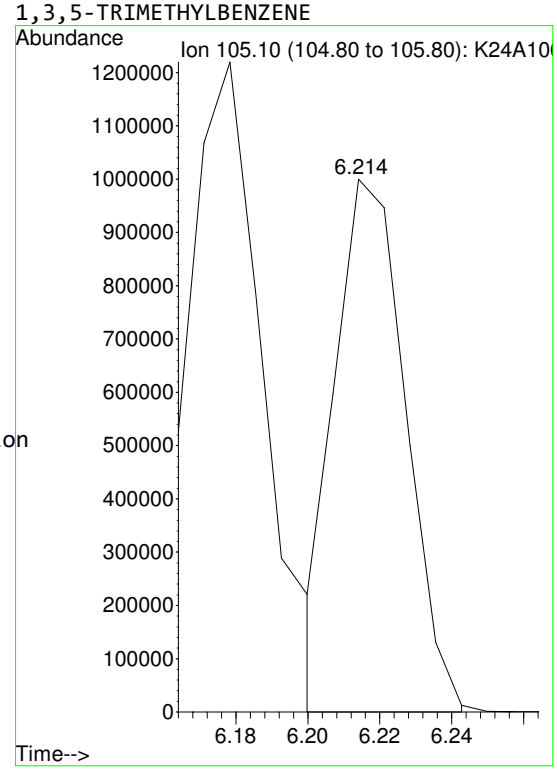
RT : 6.21
Area : 1.0817e+006
Amount: 40.0146

Manual Int. Results

Fri Apr 19 10:00:06 2024

MIuser: KMC
Reason: Incorrect Integration
RT : 6.21
Area : 1.36814e+006
Amount: 50.6104

Manual Integration
1,3,5-TRIMETHYLBENZENE



Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106019.D
Acq On : 15 Apr 2024 07:46 pm
Operator : CMR
Sample : 5.0PPBv ICV Inst : SYSK
Misc : CTWS-4186-2153 05/05
ALS Vial : 4 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 14:01:37 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Fri Apr 19 14:01:24 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	BROMOCHLOROMETHANE (1)	8.000	8.000	0.0	97	0.00
2		PROPENE	5.000	4.685	6.3	100	0.00
3		DICHLORODIFLUOROMETHANE	5.000	4.748	5.0	99	0.00
4		CHLOROMETHANE	5.000	4.181	16.4	94	0.00
5		FREON 114	5.000	4.446	11.1	92	0.00
6		VINYL CHLORIDE	5.000	4.596	8.1	99	0.00
7		1,3-BUTADIENE	5.000	4.900	2.0	99	0.00
8		BROMOMETHANE	5.000	4.769	4.6	102	0.00
9		CHLOROETHANE	5.000	4.800	4.0	101	0.00
10		ACROLEIN	5.000	4.511	9.8	93	0.00
11		ACETONE	5.000	4.959	0.8	99	0.00
12		TRICHLOROFLUOROMETHANE	5.000	4.755	4.9	99	0.00
13		ETHANOL	5.000	6.042	-20.8	129	0.00
14		1,1-DICHLOROETHENE	5.000	4.533	9.3	102	0.00
15		METHYLENE CHLORIDE	5.000	4.536	9.3	99	0.00
16		FREON 113	5.000	4.926	1.5	102	0.00
17		CARBON DISULFIDE	5.000	4.897	2.1	102	0.00
18		TRANS-1,2-DICHLOROETHENE	5.000	4.647	7.1	102	0.00
19		1,1-DICHLOROETHANE	5.000	4.594	8.1	96	0.00
20		MTBE	5.000	4.766	4.7	101	0.00
21		IPA	5.000	5.002	-0.0	112	0.00
22		2-BUTANONE(MEK)	5.000	4.542	9.2	98	0.00
23		CIS-1,2-DICHLOROETHENE	5.000	4.431	11.4	99	0.00
24		VINYL ACETATE	5.000	3.714	25.7	80	0.00
25		HEXANE	5.000	4.295	14.1	101	0.00
26		ETHYL ACETATE	5.000	4.312	13.8	95	0.00
27		CHLOROFORM	5.000	6.088	-21.8	98	0.00
28		TETRAHYDROFURAN	5.000	5.137	-2.7	111	0.00
29		1,2-DICHLOROETHANE	5.000	4.557	8.9	100	0.00
30	I	1,4-DIFLUOROBENZENE (1)	8.000	8.000	0.0	97	0.00
31		1,1,1-TRICHLOROETHANE	5.000	4.305	13.9	94	0.00
32		BENZENE	5.000	4.634	7.3	98	0.00
33		CARBON TETRACHLORIDE	5.000	4.681	6.4	96	0.00
34		CYCLOHEXANE	5.000	4.663	6.7	99	0.00
35		1,2-DICHLOROPROPANE	5.000	4.455	10.9	101	0.00
36		BROMODICHLOROMETHANE	5.000	4.296	14.1	95	0.00
37		TRICHLOROETHENE	5.000	4.504	9.9	99	0.00
38		1,4-DIOXANE	5.000	6.703	-34.1#	126	0.00
39		METHYLMETHACRYLATE	5.000	4.793	4.1	95	0.00
40		HEPTANE	5.000	4.782	4.4	100	0.00
41		MIBK	5.000	5.482	-9.6	106	0.00
42		CIS-1,3-DICHLOROPROPENE	5.000	4.344	13.1	93	0.00
43		TRANS-1,3-DICHLOROPROPENE	5.000	5.367	-7.3	106	0.00
44	I	CHLOROBENZENE-D5 (1)	8.000	8.000	0.0	98	0.00
45		1,1,2-TRICHLOROETHANE	5.000	4.645	7.1	97	0.00
46		TOLUENE	5.000	4.727	5.5	100	0.00

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Misc : CTWS-4186-2153 05/05
ALS Vial : 4 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 14:01:37 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Fri Apr 19 14:01:24 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
47		2-HEXANONE(MBK)	5.000	5.218	-4.4	107	0.00
48		DIBROMOCHLOROMETHANE	5.000	4.785	4.3	100	0.00
49		1,2-DIBROMOETHANE	5.000	4.702	6.0	101	0.00
50		TETRACHLOROETHENE	5.000	4.679	6.4	96	0.00
51		CHLOROBENZENE	5.000	4.384	12.3	99	0.00
52		ETHYLBENZENE	5.000	4.794	4.1	96	0.00
53		M/P-XYLENE	10.000	9.985	0.2	101	0.00
54		BROMOFORM	5.000	5.295	-5.9	104	0.00
55		STYRENE	5.000	5.341	-6.8	100	0.00
56		O-XYLENE	5.000	5.029	-0.6	100	0.00
57		1,1,2,2-TETRACHLOROETHANE	5.000	4.763	4.7	100	0.00
58	S	4-BROMOFLUOROBENZENE (1)	8.000	8.151	-1.9	98	0.00
59		4-ETHYLTOLUENE	5.000	5.352	-7.0	104	0.00
60		1,3,5-TRIMETHYLBENZENE	5.000	4.383	12.3	82	0.00
61		1,2,4-TRIMETHYLBENZENE	5.000	5.271	-5.4	102	0.00
62		1,3-DICHLOROBENZENE	5.000	5.631	-12.6	107	0.00
63		BENZYL CHLORIDE	5.000	4.826	3.5	105	0.00
64		1,4-DICHLOROBENZENE	5.000	5.310	-6.2	107	0.00
65		1,2-DICHLOROBENZENE	5.000	5.629	-12.6	112	0.00
66		1,2,4-TRICHLOROBENZENE	5.000	6.878	-37.6#	128	0.00
67		NAPHTHALENE	5.000	7.338	-46.8#	131	0.00
68		HEXACHLOROBUTADIENE	5.000	5.601	-12.0	118	0.00
69	I	BROMOCHLOROMETHANE (1) (SIM	8.000	8.000	0.0	96	0.00
70		VINYL CHLORIDE (SIM)	5.000	4.089	18.2	99	0.00
71		1,1-DICHLOROETHENE (SIM)	5.000	4.175	16.5	100	0.00
72		TRANS-1,2-DICHLOROETHENE (S	5.000	4.163	16.7	99	0.00
73		1,1-DICHLOROETHANE (SIM)	5.000	4.095	18.1	98	0.00
74		CIS-1,2-DICHLOROETHENE (SIM	5.000	4.001	20.0	98	0.00
75		CHLOROFORM (SIM)	5.000	4.173	16.5	98	0.00
76		1,2-DICHLOROETHANE (SIM)	5.000	3.992	20.2	98	0.00
77	I	1,4-DIFLUOROBENZENE (1) (SI	8.000	8.000	0.0	97	0.00
78		CARBON TETRACHLORIDE (SIM)	5.000	4.326	13.5	98	0.00
79		1,2-DICHLOROPROPANE (SIM)	5.000	4.249	15.0	99	0.00
80		BROMODICHLOROMETHANE (SIM)	5.000	4.119	17.6	96	0.00
81		TRICHLOROETHENE (SIM)	5.000	4.196	16.1	99	0.00
82		CIS-1,3-DICHLOROPROPENE (SI	5.000	4.107	17.9	93	0.00
83		TRANS-1,3-DICHLOROPROPENE (	5.000	4.791	4.2	107	0.00
84	I	CHLOROBENZENE-D5 (1) (SIM)	8.000	8.000	0.0	97	0.00
85		1,1,2-TRICHLOROETHANE (SIM)	5.000	4.162	16.8	98	0.00
86		1,2-DIBROMOETHANE (SIM)	5.000	4.404	11.9	101	0.00
87		1,1,2,2-TETRACHLOROETHANE (	5.000	4.450	11.0	100	0.00
88	S	4-BROMOFLUOROBENZENE (1) (S	8.000	8.065	-0.8	98	0.00
89		NAPHTHALENE (SIM)	5.000	6.659	-33.2#	129	0.00

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106019.D
Acq On : 15 Apr 2024 07:46 pm
Operator : CMR
Sample : 5.0PPBv ICV Inst : SYSK
Misc : CTWS-4186-2153 05/05
ALS Vial : 4 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 14:01:37 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Fri Apr 19 14:01:24 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106019.D
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Quant Title : QUANT METHOD FOR TO-14/TO-15
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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.903	49	86185m	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.527	114	195073	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.142	117	177713	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.909	49	96435	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.533	114	209085	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.148	117	188054	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.799	174	96364	8.151	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 101.88%			
88) 4-BROMOFLUOROBENZENE (...	5.798	174	99532	8.065	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 100.88%			
Target Compounds						Qvalue
2) PROPENE	1.530	41	19780	4.685	PPBV	97
3) DICHLORODIFLUOROMETHANE	1.544	85	90019	4.748	PPBV	100
4) CHLOROMETHANE	1.587	50	34544m	4.181	PPBV	
5) FREON 114	1.616	85	83432	4.446	PPBV	90
6) VINYL CHLORIDE	1.651	62	38891	4.596	PPBV	98
7) 1,3-BUTADIENE	1.687	54	30382	4.900	PPBV	95
8) BROMOMETHANE	1.765	94	30812	4.769	PPBV	97
9) CHLOROETHANE	1.815	64	20545	4.800	PPBV	99
10) ACROLEIN	1.951	56	14797	4.511	PPBV	92
11) ACETONE	1.986	43	52777	4.959	PPBV	88
12) TRICHLOROFLUOROMETHANE	2.051	101	86606	4.755	PPBV	97
13) ETHANOL	1.844	45	9833	6.042	PPBV	99
14) 1,1-DICHLOROETHENE	2.245	61	63135	4.533	PPBV	100
15) METHYLENE CHLORIDE	2.283	49	43517	4.536	PPBV	95
16) FREON 113	2.374	101	71329	4.926	PPBV	93
17) CARBON DISULFIDE	2.381	76	96558	4.897	PPBV	98
18) TRANS-1,2-DICHLOROETHENE	2.563	61	61575	4.647	PPBV	94
19) 1,1-DICHLOROETHANE	2.616	63	73365	4.594	PPBV	100
20) MTBE	2.639	73	94614	4.766	PPBV	97
21) IPA	2.065	45	75602	5.002	PPBV	94
22) 2-BUTANONE(MEK)	2.729	43	70324	4.542	PPBV	92
23) CIS-1,2-DICHLOROETHENE	2.858	61	48033	4.431	PPBV	99
24) VINYL ACETATE	2.661	43	70922m	3.714	PPBV	
25) HEXANE	2.926	41	36899	4.295	PPBV	91
26) ETHYL ACETATE	2.934	45	9392	4.312	PPBV	93
27) CHLOROFORM	2.941	83	97651	6.088	PPBV	98
28) TETRAHYDROFURAN	3.066	42	32166	5.137	PPBV	96
29) 1,2-DICHLOROETHANE	3.166	62	51455	4.557	PPBV	99
31) 1,1,1-TRICHLOROETHANE	3.251	97	62143	4.305	PPBV	98
32) BENZENE	3.400	78	91811	4.634	PPBV	96
33) CARBON TETRACHLORIDE	3.452	117	61179	4.681	PPBV	99
34) CYCLOHEXANE	3.497	84	39365	4.663	PPBV	94
35) 1,2-DICHLOROPROPANE	3.682	63	39404	4.455	PPBV	98
36) BROMODICHLOROMETHANE	3.747	83	69139	4.296	PPBV	99
37) TRICHLOROETHENE	3.762	95	42047	4.504	PPBV	98
38) 1,4-DIOXANE	3.769	88	21070	6.703	PPBV	96
39) METHYLMETHACRYLATE	3.848	69	31599	4.793	PPBV	94

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106019.D
Acq On : 15 Apr 2024 07:46 pm
Operator : CMR
Sample : 5.0PPBv ICV Inst : SYSK
Misc : CTWS-4186-2153 05/05
ALS Vial : 4 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 14:01:37 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Fri Apr 19 14:01:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) HEPTANE	3.891	57	34272	4.782	PPBV		91
41) MIBK	4.101	58	33626	5.482	PPBV	#	85
42) CIS-1,3-DICHLOROPROPENE	4.079	75	52905	4.344	PPBV		93
43) TRANS-1,3-DICHLOROPROPENE	4.281	75	47374	5.367	PPBV		98
45) 1,1,2-TRICHLOROETHANE	4.338	97	37555	4.645	PPBV		98
46) TOLUENE	4.446	91	111830	4.727	PPBV		99
47) 2-HEXANONE(MBK)	4.561	43	70549	5.218	PPBV		94
48) DIBROMOCHLOROMETHANE	4.597	129	61684	4.785	PPBV		100
49) 1,2-DIBROMOETHANE	4.691	107	58386	4.702	PPBV		99
50) TETRACHLOROETHENE	4.892	166	45665	4.679	PPBV		96
51) CHLOROBENZENE	5.165	112	82164	4.384	PPBV		96
52) ETHYLBENZENE	5.330	91	142809	4.794	PPBV		99
53) M/P-XYLENE	5.405	91	240003	9.985	PPBV		99
54) BROMOFORM	5.412	173	53899	5.295	PPBV		98
55) STYRENE	5.555	104	82242	5.341	PPBV		98
56) O-XYLENE	5.600	91	116519	5.029	PPBV		99
57) 1,1,2,2-TETRACHLOROETHANE	5.592	83	84113	4.763	PPBV		100
59) 4-ETHYLTOLUENE	6.178	105	160117	5.352	PPBV		98
60) 1,3,5-TRIMETHYLBENZENE	6.214	105	96627	4.383	PPBV		100
61) 1,2,4-TRIMETHYLBENZENE	6.414	105	125555	5.271	PPBV	#	98
62) 1,3-DICHLOROBENZENE	6.472	146	83415	5.631	PPBV		98
63) BENZYL CHLORIDE	6.472	91	75863	4.826	PPBV		98
64) 1,4-DICHLOROBENZENE	6.508	146	67944	5.310	PPBV		97
65) 1,2-DICHLOROBENZENE	6.679	146	72725	5.629	PPBV		99
66) 1,2,4-TRICHLOROBENZENE	7.668	180	48056	6.878	PPBV		99
67) NAPHTHALENE	7.725	128	125455	7.338	PPBV		100
68) HEXACHLOROBUTADIENE	7.975	225	49452	5.601	PPBV		97
70] VINYL CHLORIDE (SIM)	1.657	62	41620	4.089	PPBV		99
71] 1,1-DICHLOROETHENE (SIM)	2.251	61	69255	4.175	PPBV		97
72] TRANS-1,2-DICHLOROETHE...	2.569	61	66598	4.163	PPBV		98
73] 1,1-DICHLOROETHANE (SIM)	2.622	63	79942	4.095	PPBV		99
74] CIS-1,2-DICHLOROETHENE...	2.856	61	52037	4.001	PPBV		100
75] CHLOROFORM (SIM)	2.947	83	70508	4.173	PPBV		99
76] 1,2-DICHLOROETHANE (SIM)	3.172	62	54940	3.992	PPBV		99
78] CARBON TETRACHLORIDE (...	3.458	117	62859	4.326	PPBV		100
79] 1,2-DICHLOROPROPANE (SIM)	3.681	63	41761	4.249	PPBV		99
80] BROMODICHLOROMETHANE (...	3.746	83	73055	4.119	PPBV		100
81] TRICHLOROETHENE (SIM)	3.767	95	43313	4.196	PPBV		100
82] CIS-1,3-DICHLOROPROPEN...	4.085	75	56186	4.107	PPBV		95
83] TRANS-1,3-DICHLOROPROP...	4.279	75	49878	4.791	PPBV		97
85] 1,1,2-TRICHLOROETHANE ...	4.344	97	39241	4.162	PPBV		96
86] 1,2-DIBROMOETHANE (SIM)	4.697	107	59489	4.404	PPBV		100
87] 1,1,2,2-TETRACHLOROETH...	5.598	83	87675	4.450	PPBV		99
89] NAPHTHALENE (SIM)	7.730	128	130410	6.659	PPBV		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K041524\
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Acq On : 15 Apr 2024 07:46 pm
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Misc : CTWS-4186-2153 05/05
ALS Vial : 4 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 14:01:37 2024
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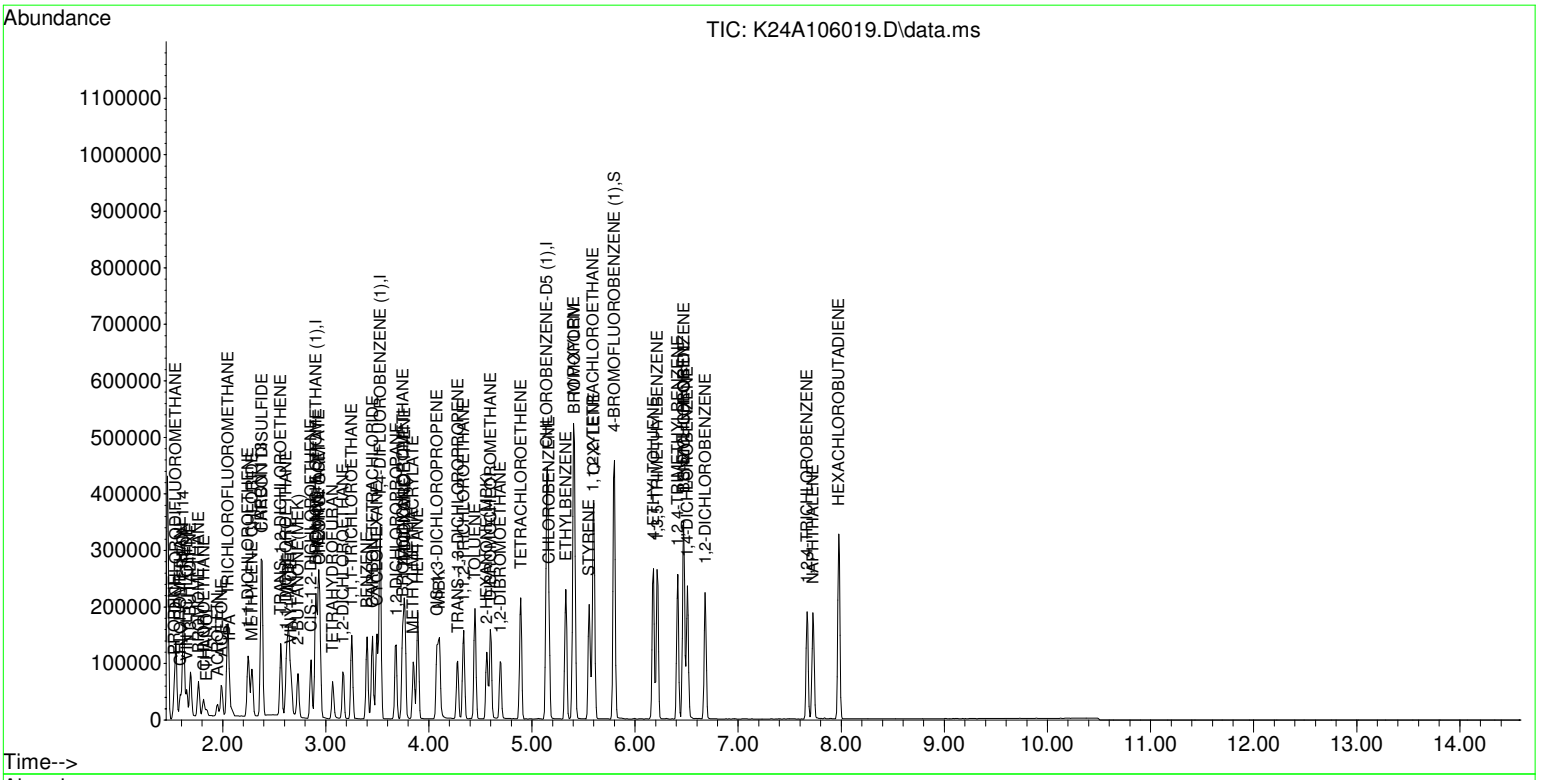
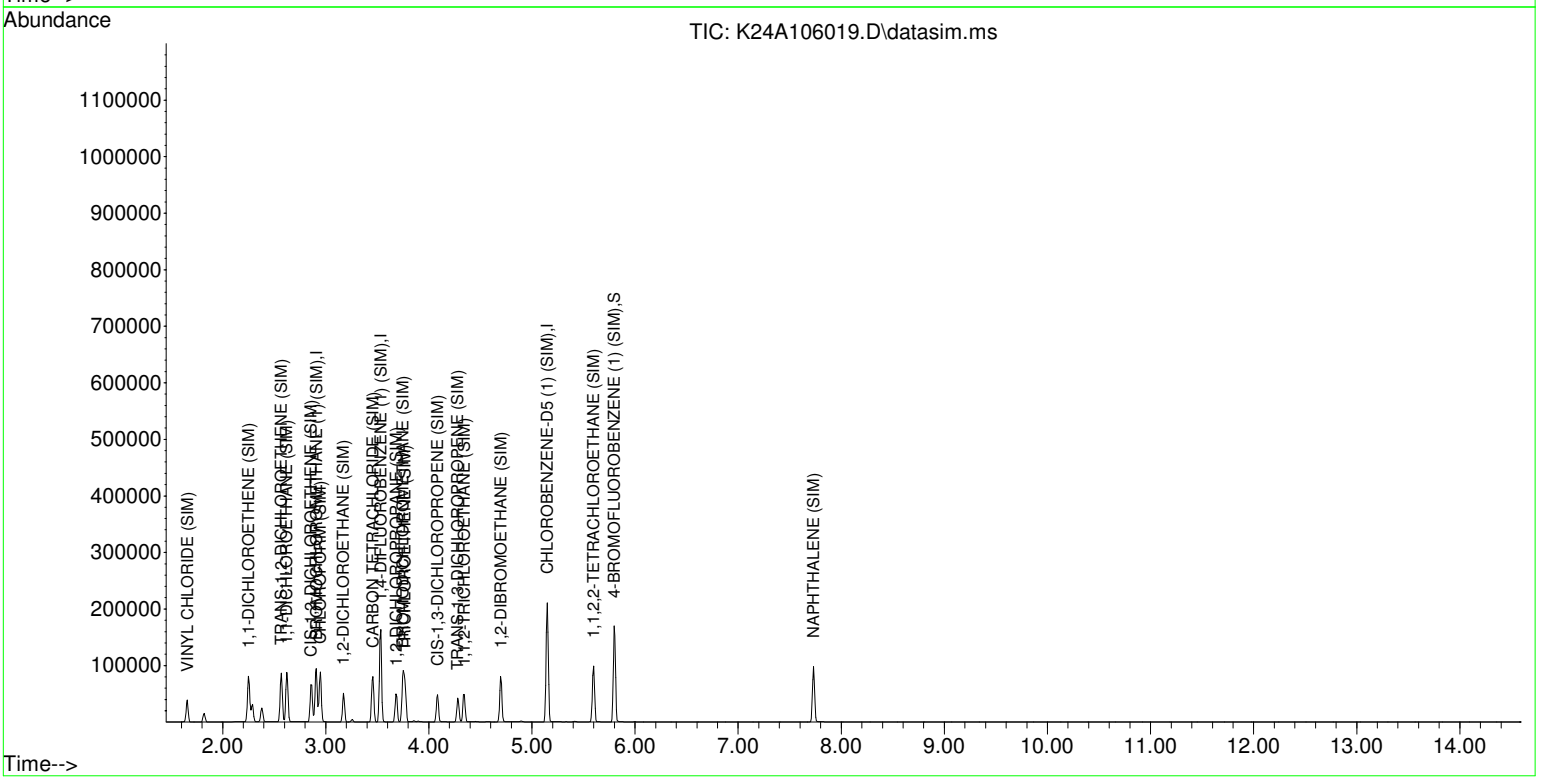
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Fri Apr 19 14:01:24 2024
Response via : Initial Calibration

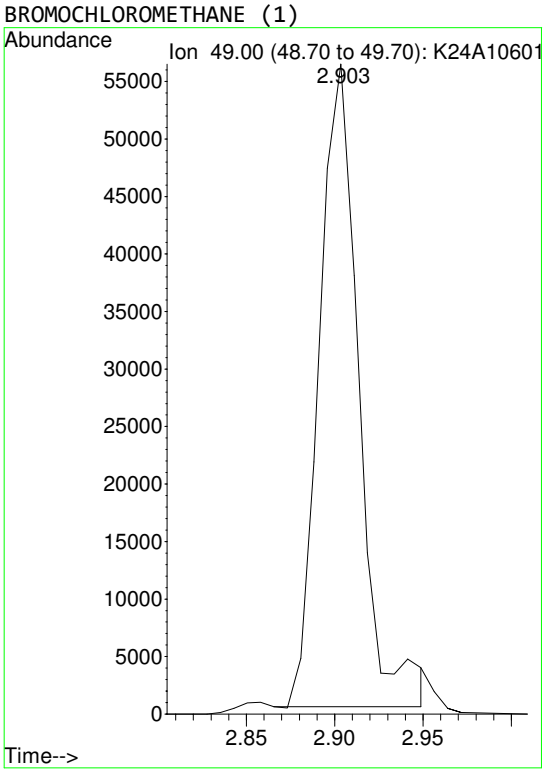




Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106019.D
Acq On : 15 Apr 2024 07:46 pm
Operator : CMR
Sample : 5.0PPBv ICV
Misc : CTWS-4186-2153 05/05

Quant Time : Fri Apr 19 14:03:26 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Fri Apr 19 14:01:24 2024

Original Integration
BROMOCHLOROMETHANE (1)



Original Int. Results

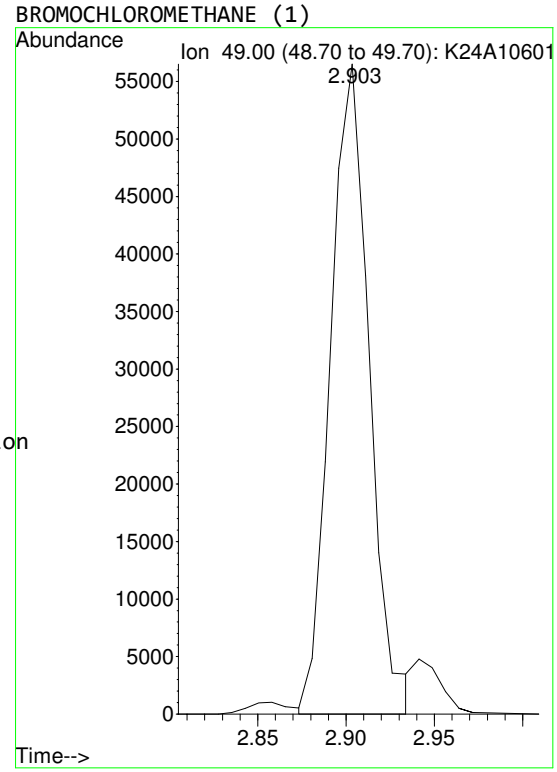
RT : 2.90
Area : 87305
Amount: 8

Manual Int. Results

Fri Apr 19 14:02:48 2024

MIuser: KMC
Reason: Incorrect Integration
RT : 2.90
Area : 86185
Amount: 8

Manual Integration
BROMOCHLOROMETHANE (1)



Response Factor Report SYSK

Method Path : D:\MassHunter\GCMS\1\methods\
Method File : EX041524.M
Title : QUANT METHOD FOR TO-14/TO-15
Last Update : Fri Apr 19 12:48:24 2024
Response Via : Initial Calibration

Calibration Files
0.62=K24A106029.D 1.25=K24A106030.D 2.5 =K24A106031.D 3.13=K24A106032.D 6.25=K24A106033.D 12.5=K24A106034.D 25 =K24A106035.D

	Compound	0.62	1.25	2.5	3.13	6.25	12.5	25	Avg	%RSD
1) I	1,4-DIFLUOROBENZEN...	----------ISTD----------								
2)	ACRYLONITRILE	0.622	0.587	0.570	0.563	0.550	0.566	0.578	0.577	4.05
3)	METHYL ACETATE	1.100	1.036	0.986	0.967	0.987	0.970	1.028	1.011	4.72
4)	TBA	1.260	1.079	1.095	1.035	1.056	1.054	1.131	1.101	6.95
5)	2,2,4-TRIMETHY...	2.558	2.340	2.267	2.228	2.293	2.300	2.345	2.333	4.59
6)	METHYLCYCLOHEXANE	0.834	0.722	0.724	0.695	0.722	0.720	0.754	0.739	6.17
7) I	CHLOROBENZENE-D5 (2)	----------ISTD----------								
8)	1,3-DICHLOROPR...	3.200	3.074	2.831	2.883	2.934	2.880	2.941	2.963	4.37
9)	1,1,1,2-TETRAC...	2.026	2.182	2.245	2.046	2.086	2.084	2.157	2.118	3.74
10) S	4-BROMOFLUOROB...	1.663	1.699	1.689	1.700	1.681	1.725	1.737	1.699	1.48
11)	CUMENE	8.131	7.746	7.704	7.413	7.652	7.699	8.236	7.797	3.68
12)	PROPYLBENZENE	1.726	1.769	1.781	1.705	1.833	1.952	2.101	1.838	7.71
13)	tert-BUTYLBENZENE	1.375	1.234	1.323	1.283	1.299	1.346	1.446	1.330	5.16
14)	sec-BUTYLBENZENE	0.863	0.819	0.850	0.871	0.890	0.930	1.003	0.889 E1	6.83
15)	p-CYMENE	6.652	6.537	6.615	7.040	7.113	7.447	8.236	7.092	8.47
16)	INDANE	5.506	5.524	5.394	5.558	5.507	5.682	6.194	5.624	4.72
17)	INDENE	4.374	4.501	4.650	4.959	5.054	5.250	5.716	4.929	9.47
18)	BUTYLBENZENE	6.740	6.744	7.312	7.571	7.983	8.189	8.927	7.638	10.42
19)	1,2-DIBROMO-3-...	1.772	1.816	1.796	1.693	1.939	1.903	2.026	1.849	6.11
20)	HEXYLCYCLOHEXANE	4.247	4.187	4.108	4.532	5.147	5.691	6.605	4.931	19.03
21)	2-METHYLNAPHTH...	1.479	1.815	2.267	2.627	2.937	3.643		2.461	31.84
22)	1-METHYLNAPHTH...	2.659	2.626	2.575	2.960	3.442	3.930	4.509	3.243	23.08
23)	4-PHENYLCYCLOH...	4.192	4.926	5.428	5.971	6.778	7.731	8.813	6.262	25.90

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106029.D
Acq On : 16 Apr 2024 02:23 pm
Operator : CMR
Sample : 0.625ug-m3 STD Inst : SYSK
Misc : CTWS-4190-24102 05/06
ALS Vial : 7 Sample Multiplier: 1
InstName : SYSK

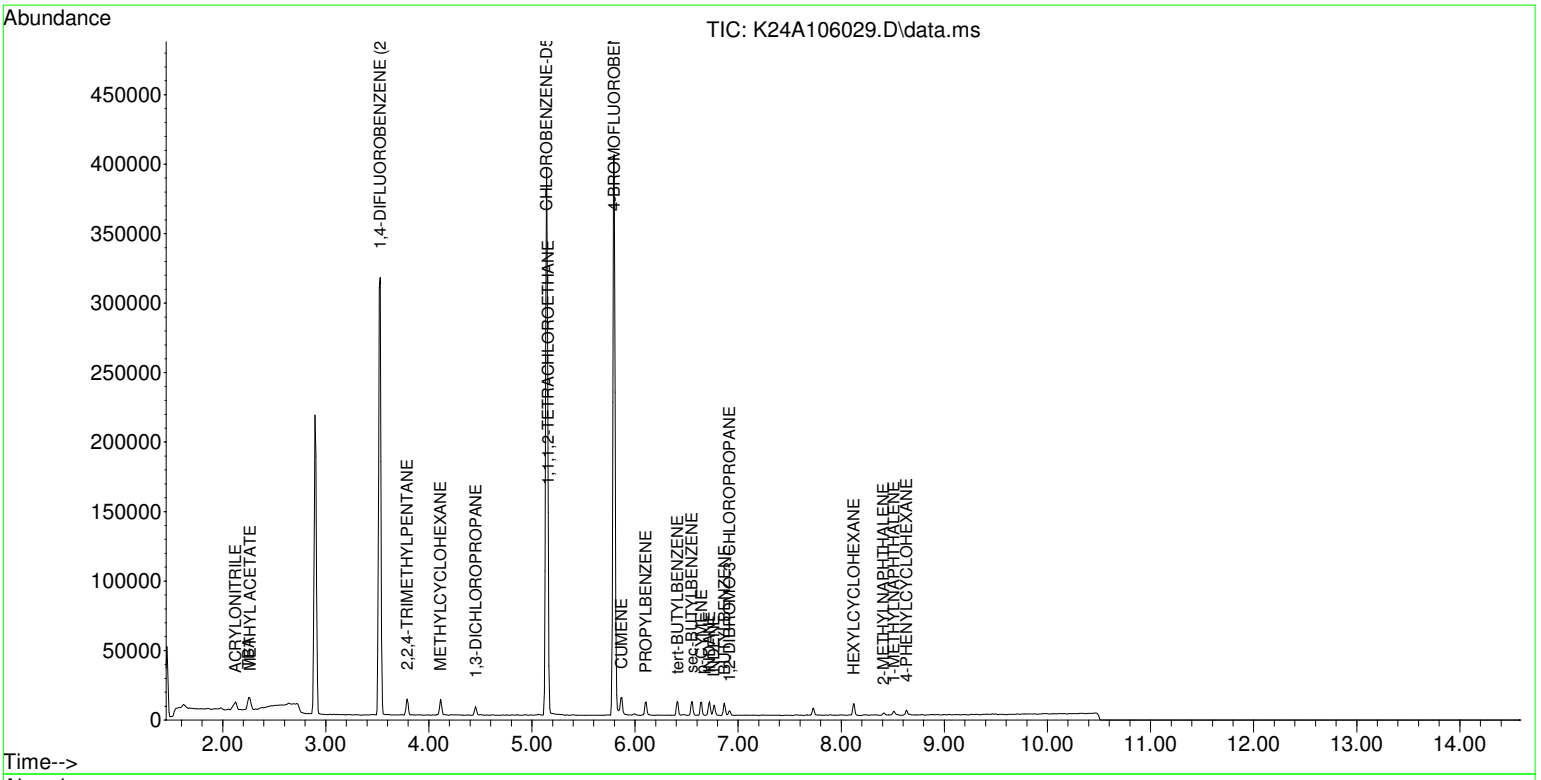
Quant Time: Apr 19 10:03:57 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX012624.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jan 29 15:44:15 2024
Response via : Initial Calibration

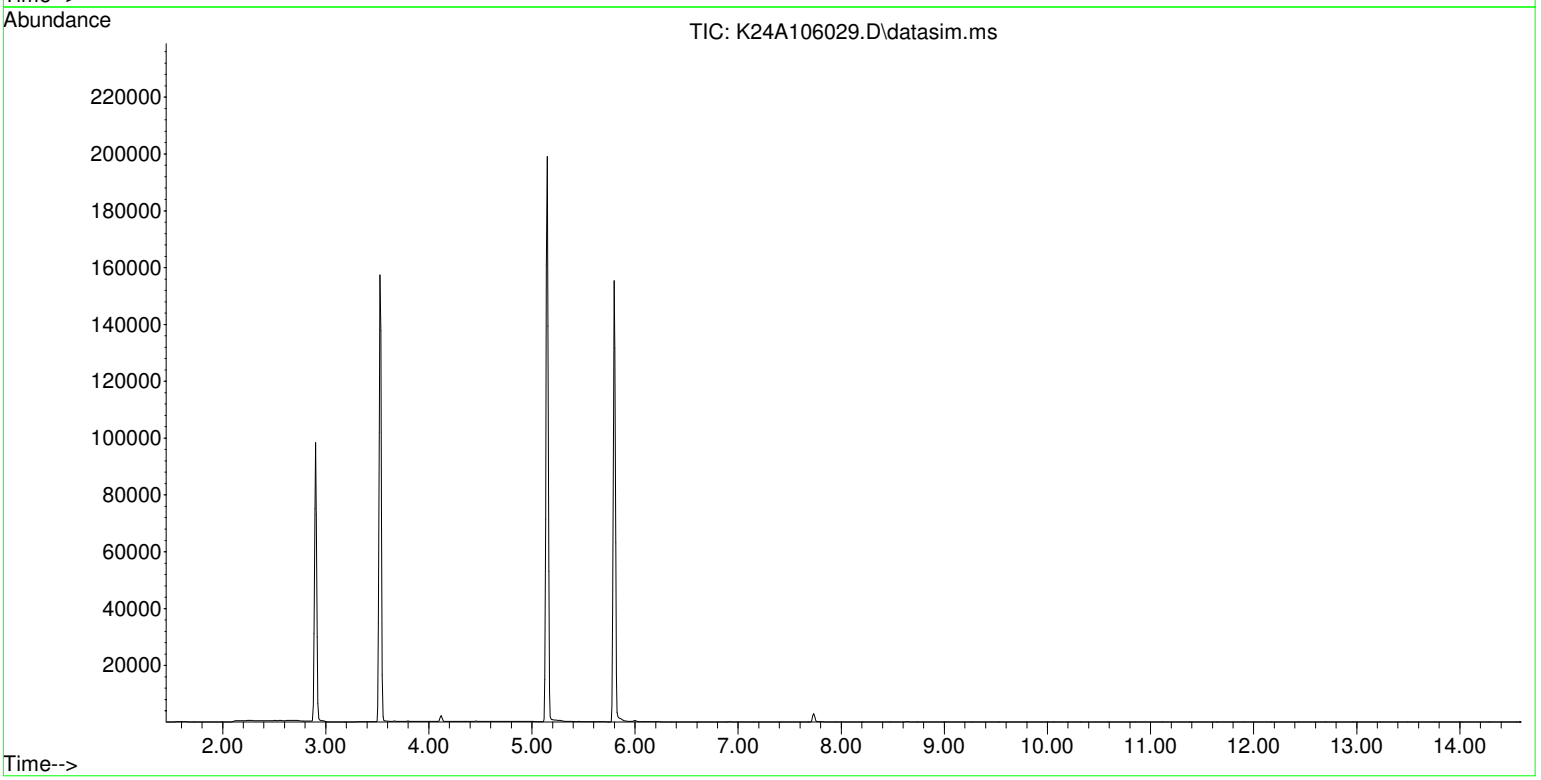
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-DIFLUOROBENZENE (2)	3.527	114	189522	8.000	PPBV		0.00
7) CHLOROBENZENE-D5 (2)	5.142	54	52516	8.000	PPBV		0.00
System Monitoring Compounds							
10) 4-BROMOFLUOROBENZENE (2)	5.799	174	87339	7.985	PPBV		0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 99.88%				
Target Compounds							Qvalue
2) ACRYLONITRILE	2.124	53	4247	0.377	PPBV		81
3) METHYL ACETATE	2.268	43	5368	0.199	PPBV		96
4) TBA	2.253	59	6147	0.201	PPBV		93
5) 2,2,4-TRIMETHYLPENTANE	3.791	57	8120	0.132	PPBV		99
6) METHYLCYCLOHEXANE	4.115	83	3084	0.183	PPBV		86
8) 1,3-DICHLOROPROPANE	4.454	76	2836	0.182	PPBV		86
9) 1,1,1,2-TETRACHLOROETHANE	5.157	131	1210	0.159	PPBV		86
11) CUMENE	5.871	105	6779	0.143	PPBV		99
12) PROPYLBENZENE	6.107	120	1439	0.123	PPBV	#	83
13) tert-BUTYLBENZENE	6.415	134	1029	0.119	PPBV	#	82
14) sec-BUTYLBENZENE	6.551	105	6456	0.114	PPBV		96
15) p-CYMENE	6.644	119	4978	0.102	PPBV		98
16) INDANE	6.722	117	4663	0.134	PPBV		89
17) INDENE	6.765	115	3790	0.127	PPBV		94
18) BUTYLBENZENE	6.865	91	5044	0.107	PPBV		96
19) 1,2-DIBROMO-3-CHLOROPR...	6.915	157	756	0.058	PPBv		87
20) HEXYLCYCLOHEXANE	8.125	83	2537	0.071	PPBV	#	87
21) 2-METHYLNAPHTHALENE	8.410	142	1039	0.040	UG/L		91
22) 1-METHYLNAPHTHALENE	8.510	142	1868	0.072	UG/L		92
23) 4-PHENYLCYCLOHEXANE	8.632	104	2669	0.057	UG/L		87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106029.D
Acq On : 16 Apr 2024 02:23 pm
Operator : CMR
Sample : 0.625ug-m3 STD Inst : SYSK
Misc : CTWS-4190-24102 05/06
ALS Vial : 7 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 10:03:57 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX012624.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jan 29 15:44:15 2024
Response via : Initial Calibration





Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106030.D
Acq On : 16 Apr 2024 02:51 pm
Operator : CMR
Sample : 1.25ug-m3 STD Inst : SYSK
Misc : CTWS-4190-24102 05/06
ALS Vial : 7 Sample Multiplier: 1
InstName : SYSK

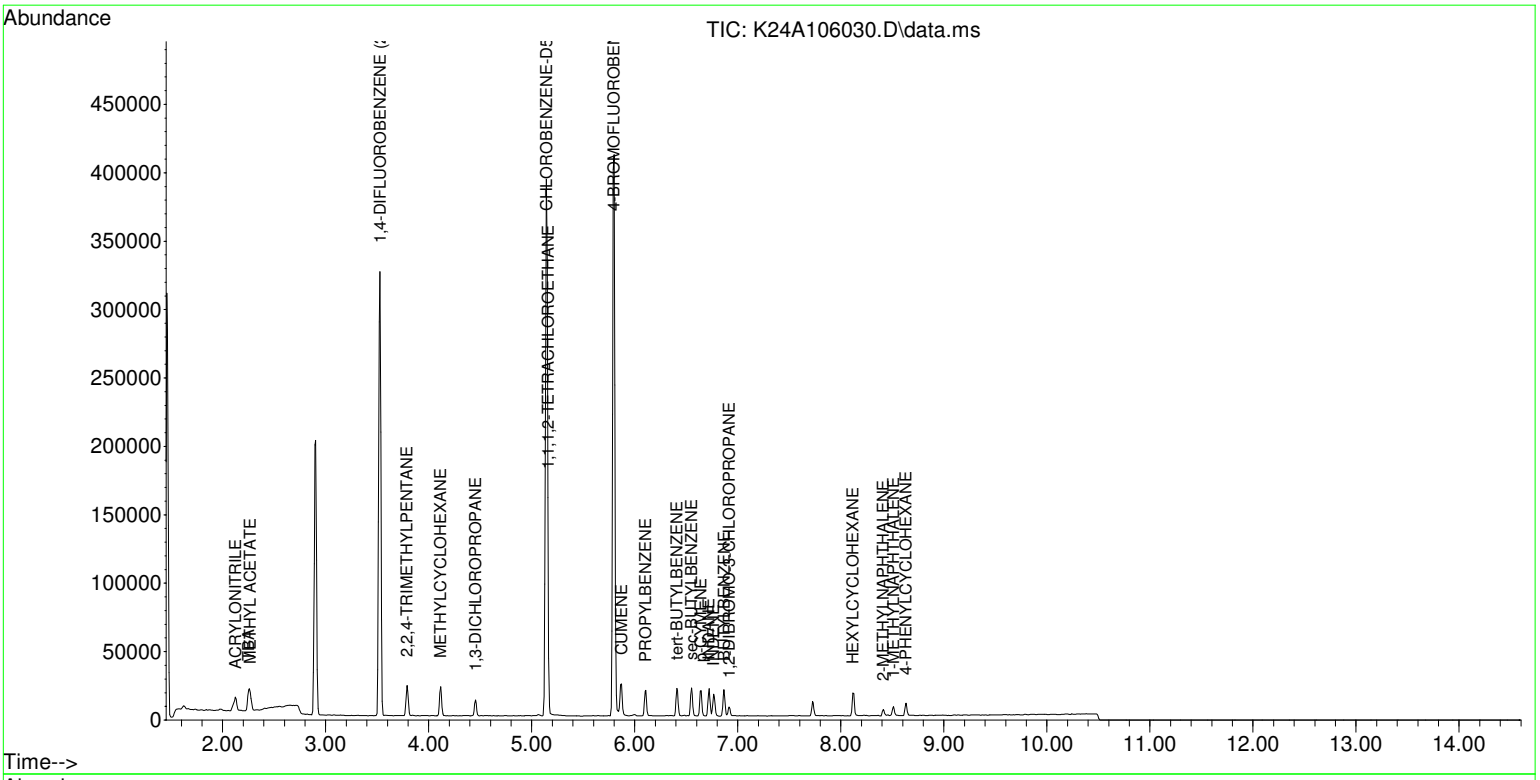
Quant Time: Apr 19 10:03:59 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX012624.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jan 29 15:44:15 2024
Response via : Initial Calibration

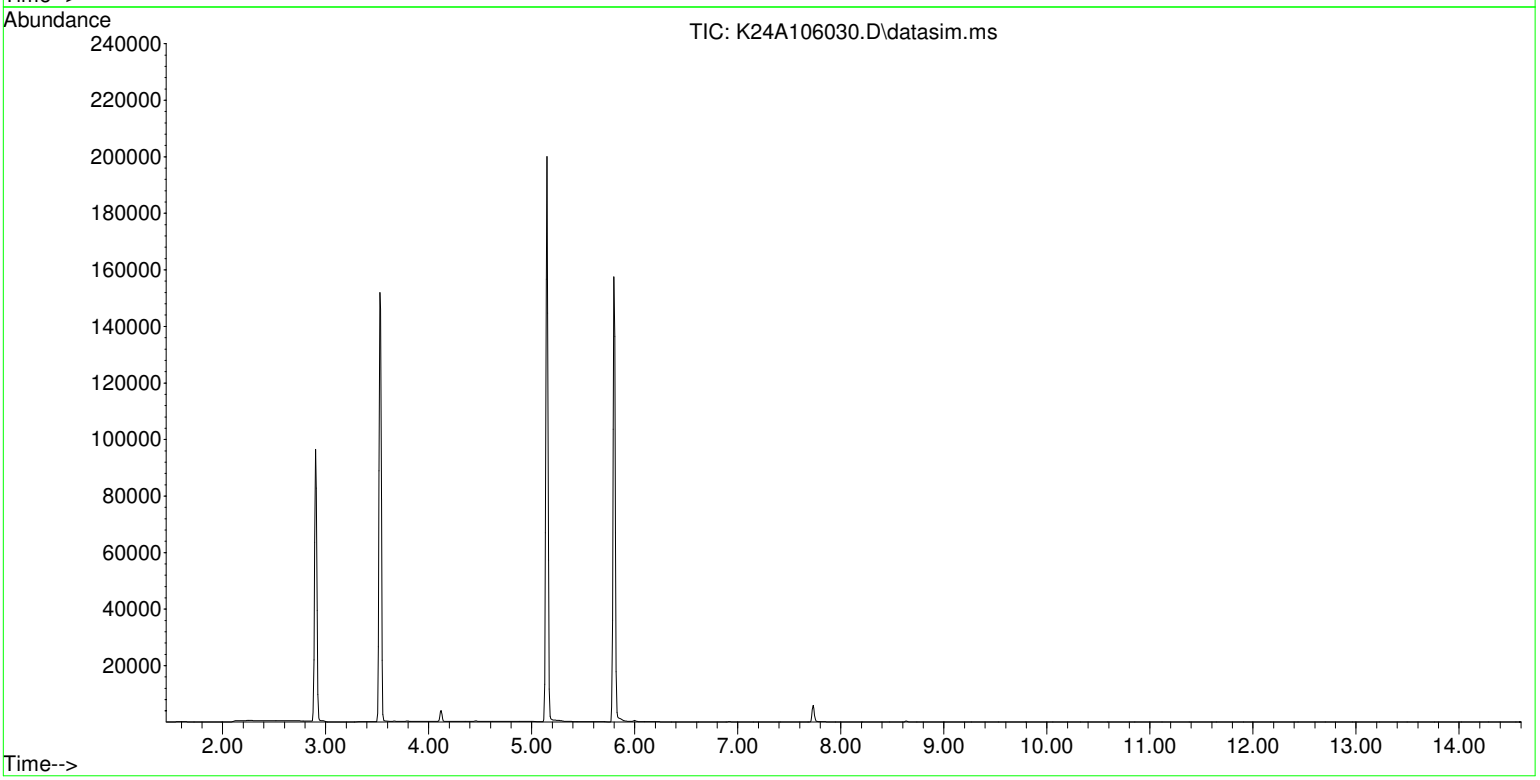
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-DIFLUOROBENZENE (2)	3.527	114	190253	8.000	PPBV	0.00
7) CHLOROBENZENE-D5 (2)	5.142	54	51895	8.000	PPBV	0.00
System Monitoring Compounds						
10) 4-BROMOFLUOROBENZENE (2)	5.799	174	88167	8.157	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 102.00%			
Target Compounds						Qvalue
2) ACRYLONITRILE	2.124	53	8035	0.711	PPBV	96
3) METHYL ACETATE	2.268	43	10178	0.376	PPBV	92
4) TBA	2.253	59	10568	0.344	PPBV	86
5) 2,2,4-TRIMETHYLPENTANE	3.791	57	14915	0.241	PPBV	99
6) METHYLCYCLOHEXANE	4.115	83	5337	0.316	PPBV	91
8) 1,3-DICHLOROPROPANE	4.454	76	5384	0.349	PPBV #	81
9) 1,1,1,2-TETRACHLOROETHANE	5.157	131	2576	0.343	PPBV	96
11) CUMENE	5.871	105	12762	0.272	PPBV	100
12) PROPYLBENZENE	6.107	120	2914	0.252	PPBV	99
13) tert-BUTYLBENZENE	6.407	134	1825	0.214	PPBV	97
14) sec-BUTYLBENZENE	6.551	105	12112	0.217	PPBV	96
15) p-CYMENE	6.644	119	9669	0.201	PPBV	98
16) INDANE	6.722	117	9281	0.270	PPBV	93
17) INDENE	6.765	115	7679	0.260	PPBV	98
18) BUTYLBENZENE	6.865	91	9975	0.214	PPBV	96
19) 1,2-DIBROMO-3-CHLOROPR...	6.916	157	1520	0.119	PPBv	90
20) HEXYLCYCLOHEXANE	8.118	83	4943	0.140	PPBV	91
21) 2-METHYLNAPHTHALENE	8.410	142	2532	0.098	UG/L	96
22) 1-METHYLNAPHTHALENE	8.510	142	3662	0.143	UG/L	95
23) 4-PHENYLCYCLOHEXANE	8.632	104	6167	0.134	UG/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106030.D
Acq On : 16 Apr 2024 02:51 pm
Operator : CMR
Sample : 1.25ug-m3 STD Inst : SYSK
Misc : CTWS-4190-24102 05/06
ALS Vial : 7 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 10:03:59 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX012624.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jan 29 15:44:15 2024
Response via : Initial Calibration





Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106031.D
Acq On : 16 Apr 2024 03:20 pm
Operator : CMR
Sample : 2.50ug-m3 STD Inst : SYSK
Misc : CTWS-4190-24102 05/06
ALS Vial : 7 Sample Multiplier: 1
InstName : SYSK

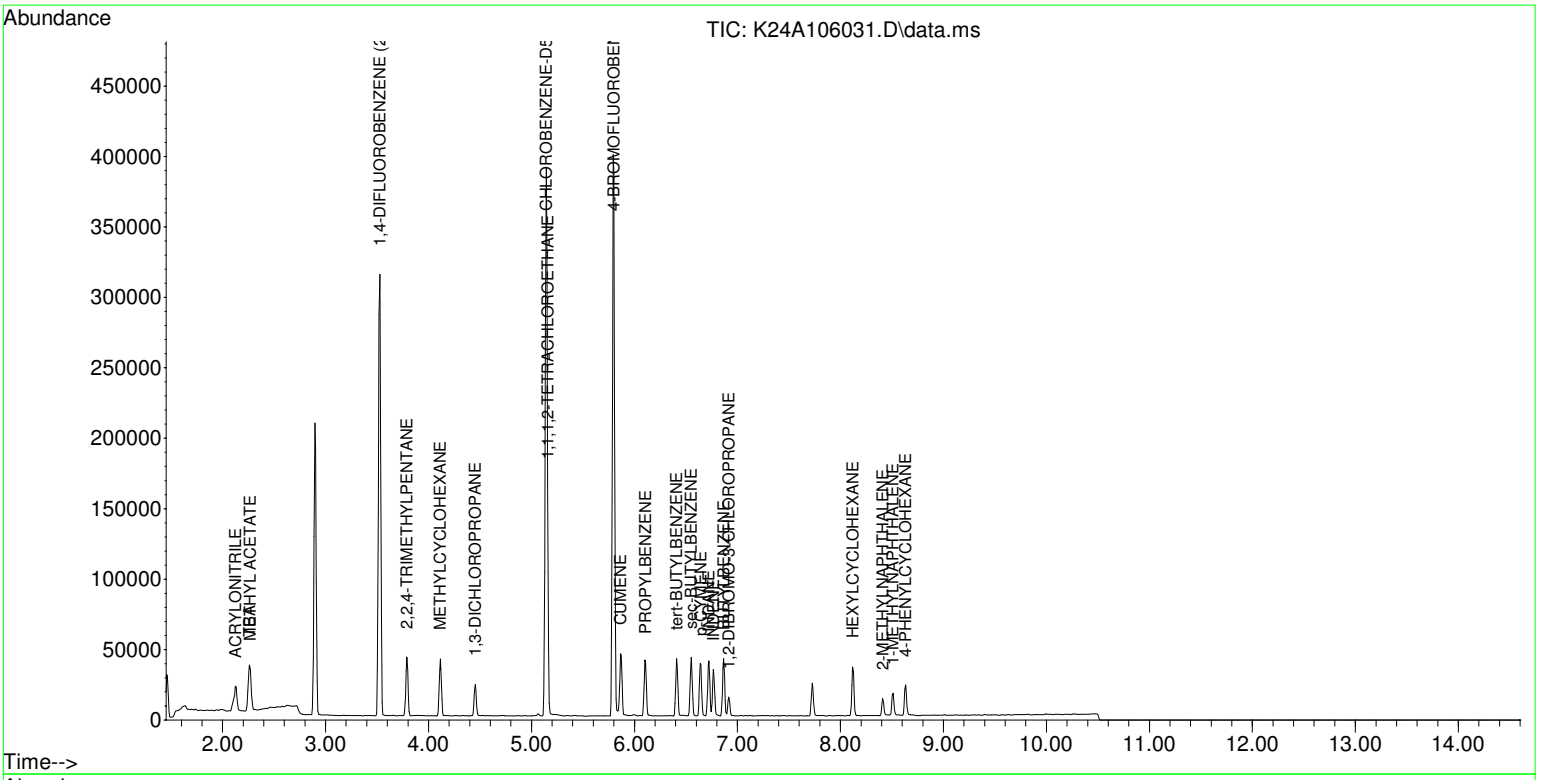
Quant Time: Apr 19 10:04:01 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX012624.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jan 29 15:44:15 2024
Response via : Initial Calibration

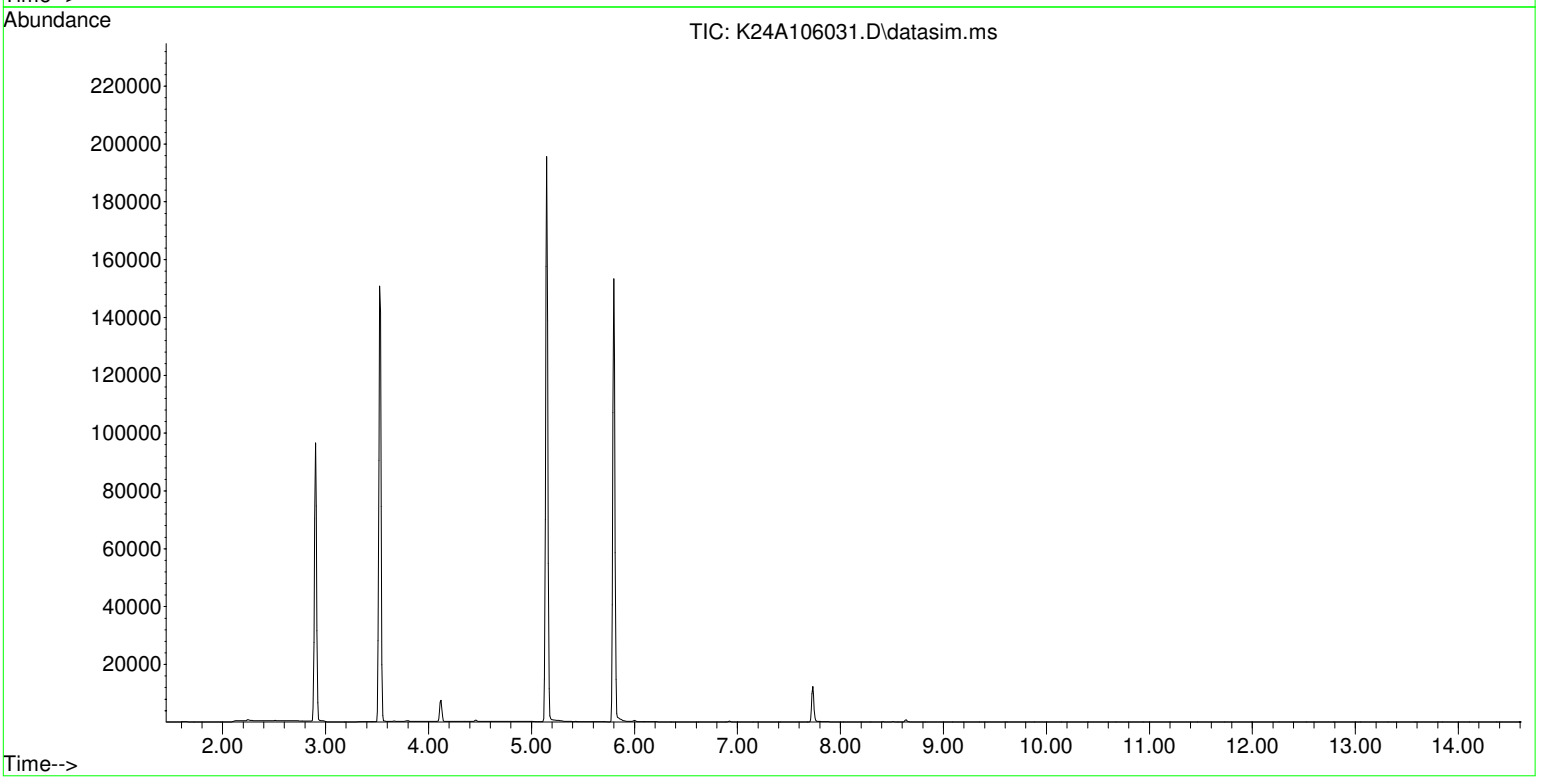
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-DIFLUOROBENZENE (2)	3.527	114	183500	8.000	PPBV	0.00
7) CHLOROBENZENE-D5 (2)	5.142	54	50381	8.000	PPBV	0.00
System Monitoring Compounds						
10) 4-BROMOFLUOROBENZENE (2)	5.800	174	85112	8.111	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 101.38%			
Target Compounds						Qvalue
2) ACRYLONITRILE	2.124	53	15060	1.381	PPBV	98
3) METHYL ACETATE	2.268	43	18686	0.715	PPBV	98
4) TBA	2.260	59	20694	0.698	PPBV	87
5) 2,2,4-TRIMETHYLPENTANE	3.790	57	27870	0.466	PPBV	98
6) METHYLCYCLOHEXANE	4.115	83	10329	0.635	PPBV	87
8) 1,3-DICHLOROPROPANE	4.453	76	9627	0.643	PPBV #	84
9) 1,1,1,2-TETRACHLOROETHANE	5.157	131	5147	0.706	PPBV	95
11) CUMENE	5.864	105	24646	0.542	PPBV	99
12) PROPYLBENZENE	6.108	120	5697	0.508	PPBV #	87
13) tert-BUTYLBENZENE	6.408	134	3800	0.458	PPBV #	88
14) sec-BUTYLBENZENE	6.551	105	24414	0.450	PPBV	95
15) p-CYMENE	6.644	119	18997	0.407	PPBV	99
16) INDANE	6.723	117	17595	0.527	PPBV	95
17) INDENE	6.766	115	15402	0.537	PPBV	96
18) BUTYLBENZENE	6.866	91	20998	0.464	PPBV	97
19) 1,2-DIBROMO-3-CHLOROPR...	6.916	157	2918	0.235	PPBv	97
20) HEXYLCYCLOHEXANE	8.118	83	9417	0.275	PPBV	87
21) 2-METHYLNAPHTHALENE	8.411	142	6138	0.244	UG/L	93
22) 1-METHYLNAPHTHALENE	8.511	142	6974	0.280	UG/L	97
23) 4-PHENYLCYCLOHEXANE	8.633	104	13194	0.296	UG/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106031.D
Acq On : 16 Apr 2024 03:20 pm
Operator : CMR
Sample : 2.50ug-m3 STD Inst : SYSK
Misc : CTWS-4190-24102 05/06
ALS Vial : 7 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 10:04:01 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX012624.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jan 29 15:44:15 2024
Response via : Initial Calibration





Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106032.D
Acq On : 16 Apr 2024 03:49 pm
Operator : CMR
Sample : 3.13ug-m3 STD Inst : SYSK
Misc : CTWS-4190-24102 05/06
ALS Vial : 7 Sample Multiplier: 1
InstName : SYSK

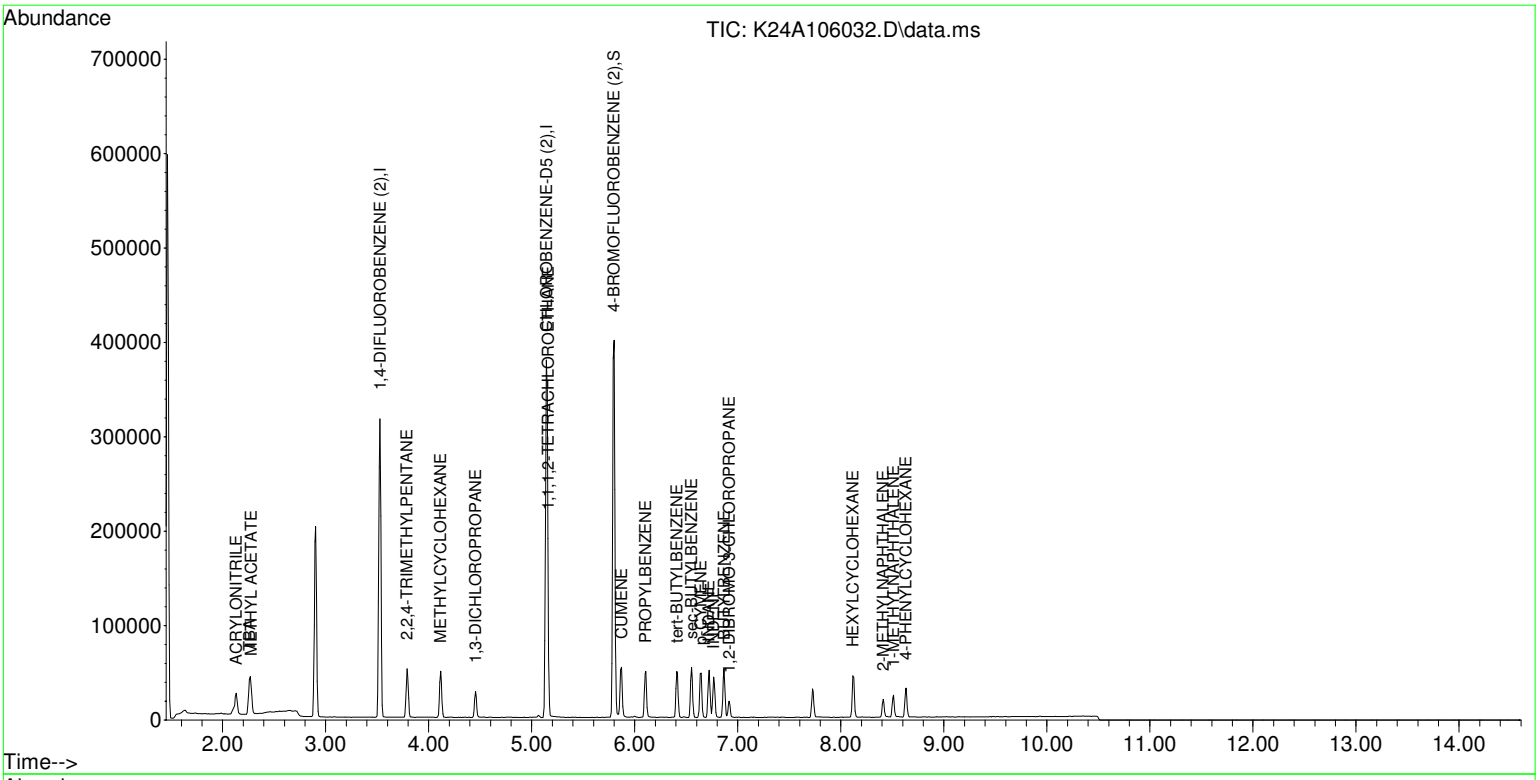
Quant Time: Apr 19 10:04:03 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX012624.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jan 29 15:44:15 2024
Response via : Initial Calibration

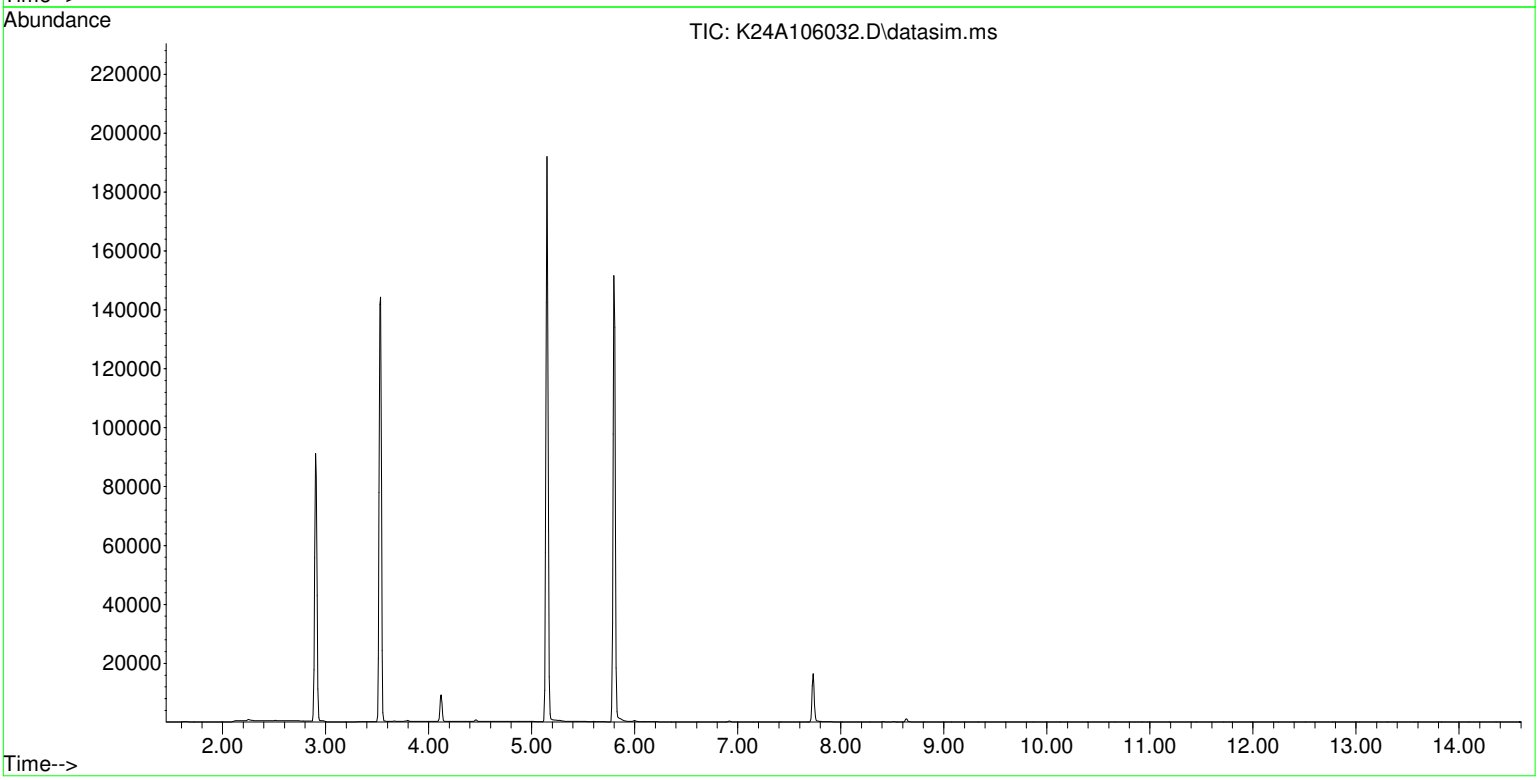
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-DIFLUOROBENZENE (2)	3.527	114	183488	8.000	PPBV	0.00
7) CHLOROBENZENE-D5 (2)	5.142	54	49978	8.000	PPBV	0.00
System Monitoring Compounds						
10) 4-BROMOFLUOROBENZENE (2)	5.799	174	84958	8.162	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 102.00%			
Target Compounds						Qvalue
2) ACRYLONITRILE	2.132	53	18608	1.706	PPBV	96
3) METHYL ACETATE	2.276	43	22868	0.876	PPBV	95
4) TBA	2.261	59	24477	0.825	PPBV	87
5) 2,2,4-TRIMETHYLPENTANE	3.791	57	34190	0.572	PPBV	98
6) METHYLCYCLOHEXANE	4.115	83	12404	0.762	PPBV	89
8) 1,3-DICHLOROPROPANE	4.454	76	12176	0.819	PPBV #	81
9) 1,1,1,2-TETRACHLOROETHANE	5.157	131	5816	0.804	PPBV	97
11) CUMENE	5.871	105	29452	0.653	PPBV	99
12) PROPYLBENZENE	6.107	120	6773	0.609	PPBV #	82
13) tert-BUTYLBENZENE	6.407	134	4562	0.555	PPBV #	90
14) sec-BUTYLBENZENE	6.551	105	30965	0.575	PPBV	97
15) p-CYMENE	6.644	119	25026	0.541	PPBV	98
16) INDANE	6.722	117	22467	0.679	PPBV	95
17) INDENE	6.765	115	20386	0.717	PPBV	94
18) BUTYLBENZENE	6.865	91	26913	0.599	PPBV	96
19) 1,2-DIBROMO-3-CHLOROPR...	6.916	157	3417	0.277	PPBv	94
20) HEXYLCYCLOHEXANE	8.118	83	12855	0.379	PPBV	87
21) 2-METHYLNAPHTHALENE	8.410	142	8812	0.352	UG/L	94
22) 1-METHYLNAPHTHALENE	8.510	142	9930	0.402	UG/L	98
23) 4-PHENYLCYCLOHEXANE	8.632	104	18016	0.408	UG/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106032.D
Acq On : 16 Apr 2024 03:49 pm
Operator : CMR
Sample : 3.13ug-m3 STD Inst : SYSK
Misc : CTWS-4190-24102 05/06
ALS Vial : 7 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 10:04:03 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX012624.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jan 29 15:44:15 2024
Response via : Initial Calibration





Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106033.D
Acq On : 16 Apr 2024 04:17 pm
Operator : CMR
Sample : 6.25ug-m3 STD Inst : SYSK
Misc : CTWS-4190-24102 05/06
ALS Vial : 7 Sample Multiplier: 1
InstName : SYSK

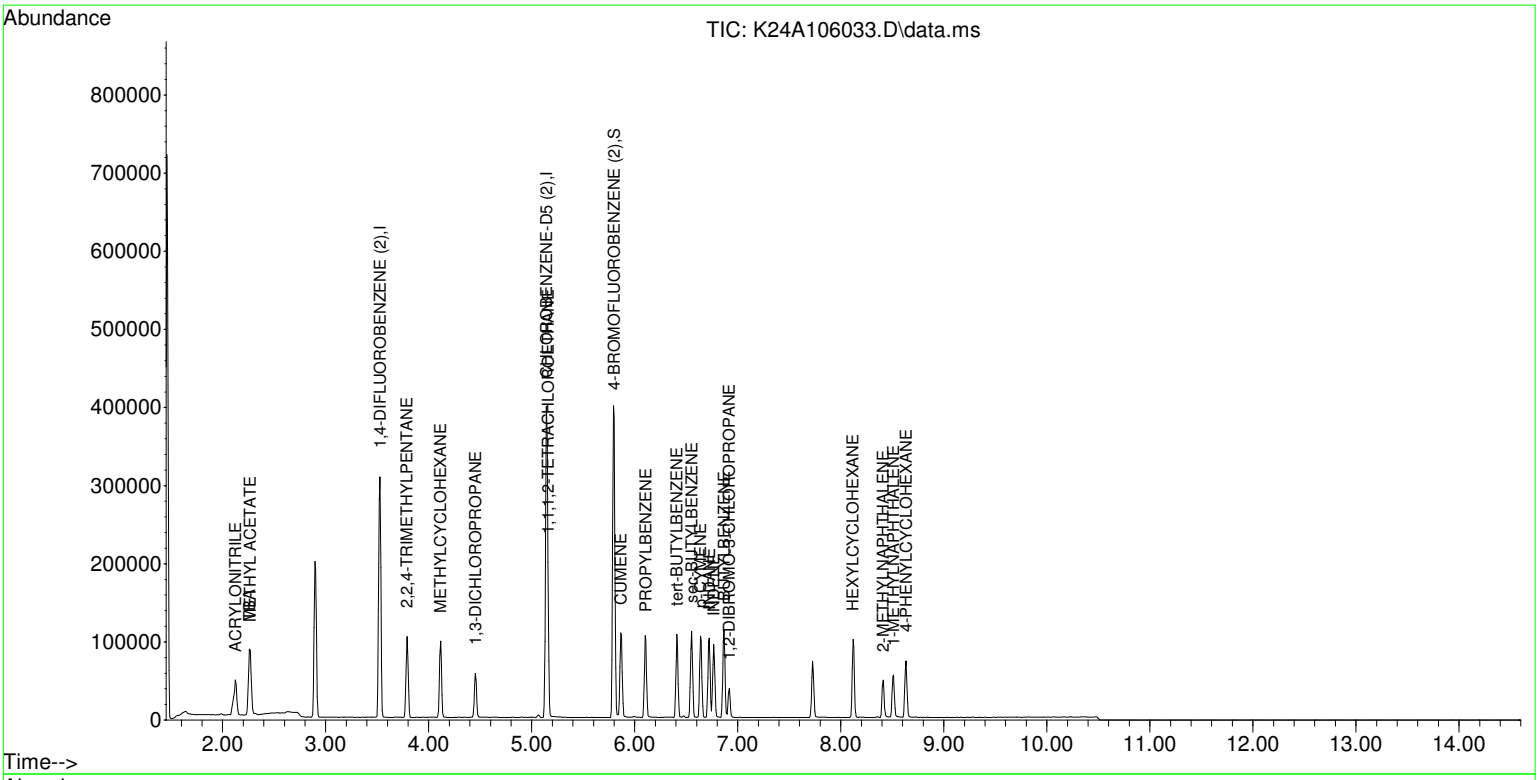
Quant Time: Apr 19 10:04:05 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX012624.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jan 29 15:44:15 2024
Response via : Initial Calibration

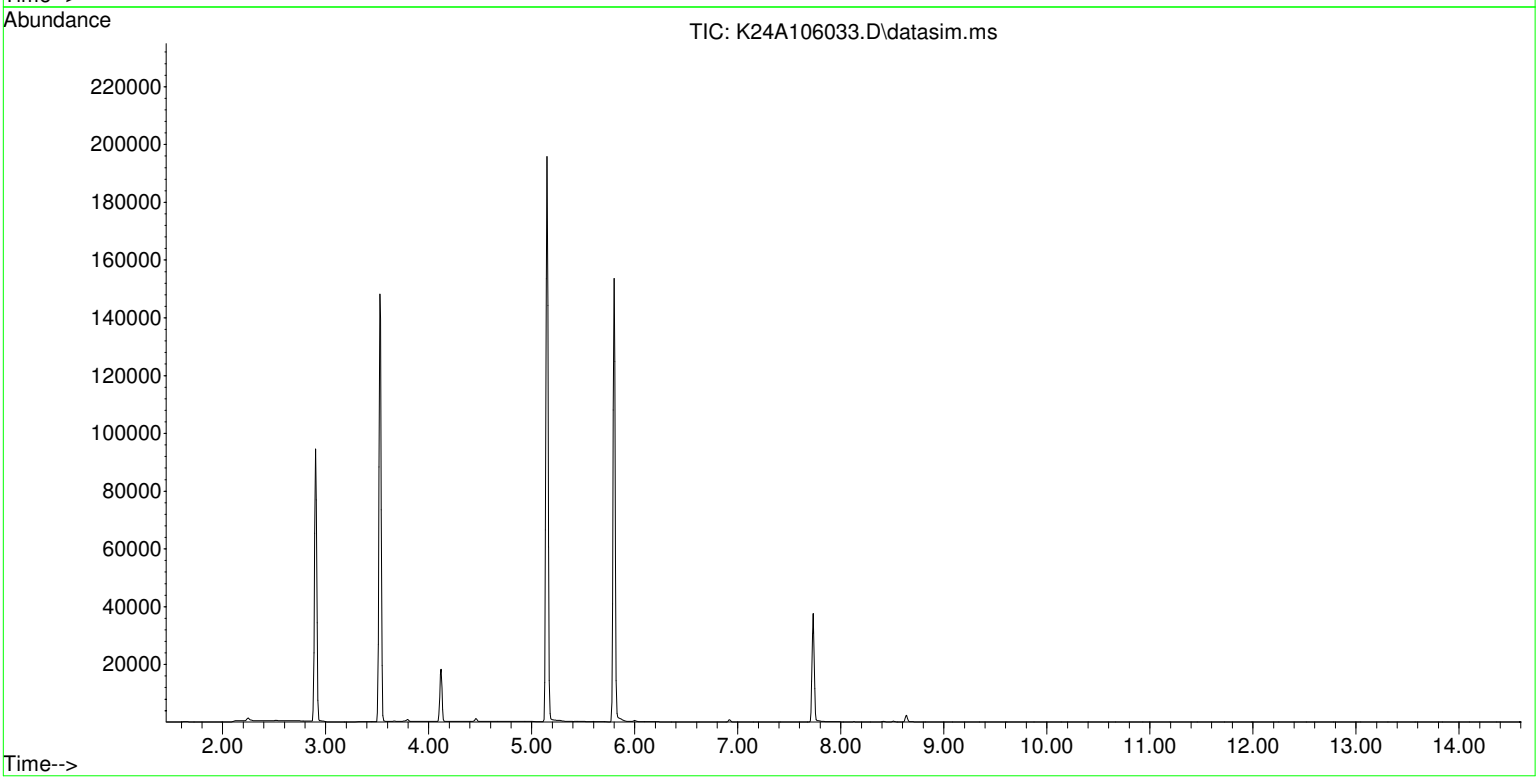
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-DIFLUOROBENZENE (2)	3.527	114	180118	8.000	PPBV	0.00
7) CHLOROBENZENE-D5 (2)	5.143	54	50793	8.000	PPBV	0.00
System Monitoring Compounds						
10) 4-BROMOFLUOROBENZENE (2)	5.800	174	85391	8.072	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 100.88%			
Target Compounds						Qvalue
2) ACRYLONITRILE	2.124	53	35633	3.328	PPBV	98
3) METHYL ACETATE	2.268	43	45835	1.788	PPBV	95
4) TBA	2.260	59	49008	1.683	PPBV	89
5) 2,2,4-TRIMETHYLPENTANE	3.791	57	69082	1.178	PPBV	98
6) METHYLCYCLOHEXANE	4.115	83	25306	1.584	PPBV	87
8) 1,3-DICHLOROPROPANE	4.454	76	25186	1.668	PPBV #	80
9) 1,1,1,2-TETRACHLOROETHANE	5.158	131	12054	1.639	PPBV	96
11) CUMENE	5.865	105	61751	1.346	PPBV	100
12) PROPYLBENZENE	6.108	120	14788	1.308	PPBV #	88
13) tert-BUTYLBENZENE	6.409	134	9394	1.124	PPBV	97
14) sec-BUTYLBENZENE	6.552	105	64354	1.175	PPBV	98
15) p-CYMENE	6.638	119	51438	1.094	PPBV	98
16) INDANE	6.723	117	45207	1.344	PPBV	97
17) INDENE	6.766	115	42232	1.462	PPBV	99
18) BUTYLBENZENE	6.867	91	57729	1.264	PPBV	97
19) 1,2-DIBROMO-3-CHLOROPR...	6.917	157	7966	0.635	PPBv	97
20) HEXYLCYCLOHEXANE	8.119	83	29671	0.860	PPBV #	87
21) 2-METHYLNAPHTHALENE	8.412	142	20045	0.789	UG/L	96
22) 1-METHYLNAPHTHALENE	8.512	142	23495	0.936	UG/L	98
23) 4-PHENYLCYCLOHEXANE	8.633	104	41569	0.925	UG/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106033.D
Acq On : 16 Apr 2024 04:17 pm
Operator : CMR
Sample : 6.25ug-m3 STD Inst : SYSK
Misc : CTWS-4190-24102 05/06
ALS Vial : 7 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 10:04:05 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX012624.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jan 29 15:44:15 2024
Response via : Initial Calibration





Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106034.D
Acq On : 16 Apr 2024 04:45 pm
Operator : CMR
Sample : 12.5ug-m3 STD Inst : SYSK
Misc : CTWS-4190-24102 05/06
ALS Vial : 7 Sample Multiplier: 1
InstName : SYSK

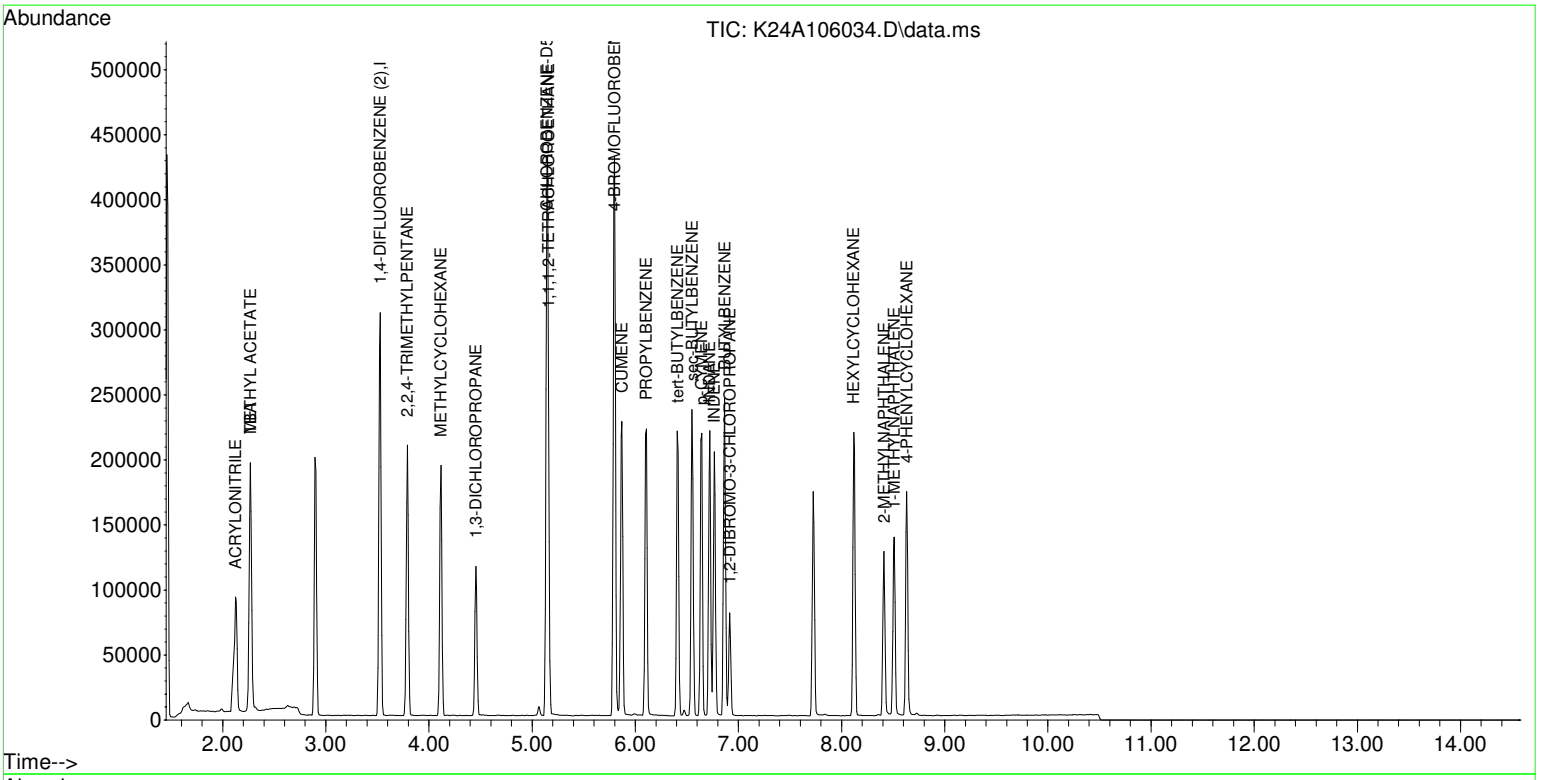
Quant Time: Apr 19 10:04:07 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX012624.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jan 29 15:44:15 2024
Response via : Initial Calibration

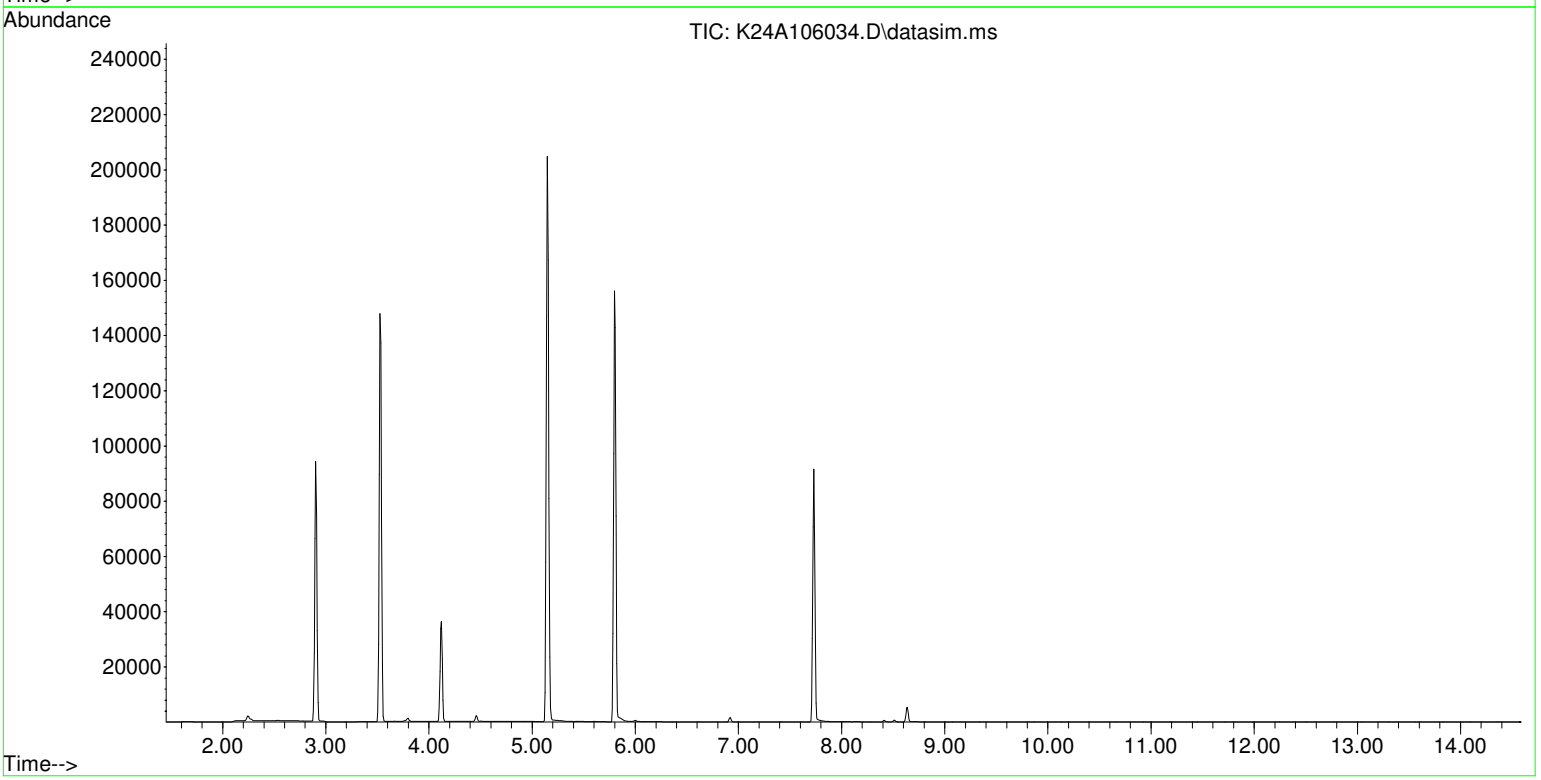
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-DIFLUOROBENZENE (2)	3.528	114	182171	8.000	PPBV	0.00
7) CHLOROBENZENE-D5 (2)	5.142	54	52654	8.000	PPBV	0.00
System Monitoring Compounds						
10) 4-BROMOFLUOROBENZENE (2)	5.799	174	90802	8.280	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 103.50%			
Target Compounds						Qvalue
2) ACRYLONITRILE	2.124	53	74263	6.858	PPBV	99
3) METHYL ACETATE	2.268	43	91162	3.516	PPBV	96
4) TBA	2.268	59	98950	3.360	PPBV	88
5) 2,2,4-TRIMETHYLPENTANE	3.791	57	140151	2.362	PPBV	97
6) METHYLCYCLOHEXANE	4.115	83	51018	3.157	PPBV	86
8) 1,3-DICHLOROPROPANE	4.454	76	51269	3.275	PPBV #	81
9) 1,1,1,2-TETRACHLOROETHANE	5.157	131	24981	3.277	PPBV	97
11) CUMENE	5.871	105	128853	2.710	PPBV	100
12) PROPYLBENZENE	6.107	120	32666	2.788	PPBV	94
13) tert-BUTYLBENZENE	6.407	134	20176	2.328	PPBV	96
14) sec-BUTYLBENZENE	6.551	105	139377	2.456	PPBV	96
15) p-CYMENE	6.644	119	111602	2.289	PPBV	99
16) INDANE	6.722	117	96714	2.774	PPBV	97
17) INDENE	6.765	115	90905	3.035	PPBV	99
18) BUTYLBENZENE	6.865	91	122729	2.592	PPBV	98
19) 1,2-DIBROMO-3-CHLOROPR...	6.916	157	16197	1.246	PPBv	97
20) HEXYLCYCLOHEXANE	8.118	83	68023	1.903	PPBV #	86
21) 2-METHYLNAPHTHALENE	8.410	142	51533	1.957	UG/L	98
22) 1-METHYLNAPHTHALENE	8.510	142	55585	2.135	UG/L	98
23) 4-PHENYLCYCLOHEXANE	8.632	104	98306	2.111	UG/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106034.D
Acq On : 16 Apr 2024 04:45 pm
Operator : CMR
Sample : 12.5ug-m3 STD Inst : SYSK
Misc : CTWS-4190-24102 05/06
ALS Vial : 7 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 10:04:07 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX012624.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jan 29 15:44:15 2024
Response via : Initial Calibration





Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106035.D
Acq On : 16 Apr 2024 05:15 pm
Operator : CMR
Sample : 25ug-m3 STD Inst : SYSK
Misc : CTWS-4190-24102 05/06
ALS Vial : 7 Sample Multiplier: 1
InstName : SYSK

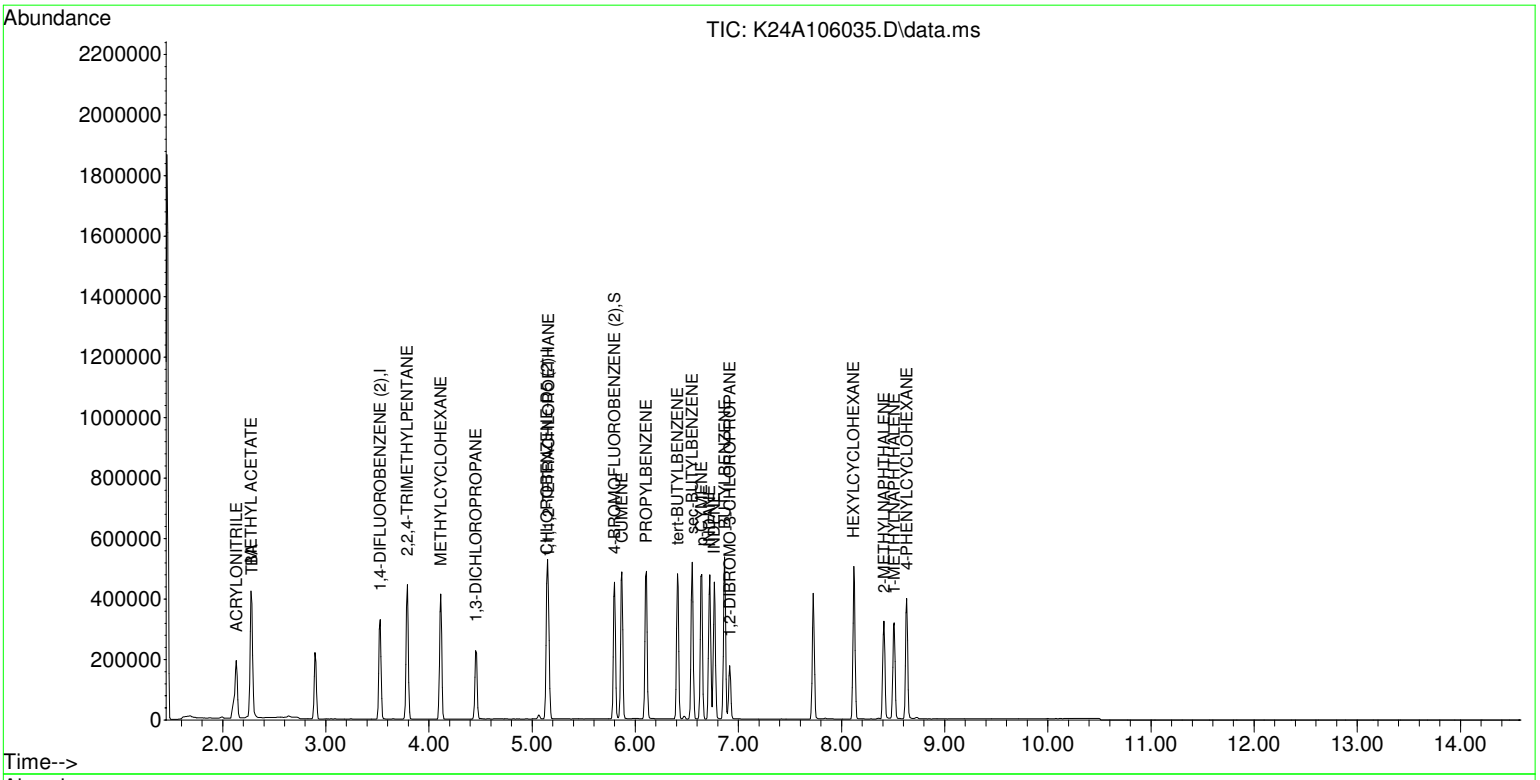
Quant Time: Apr 19 10:04:09 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX012624.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jan 29 15:44:15 2024
Response via : Initial Calibration

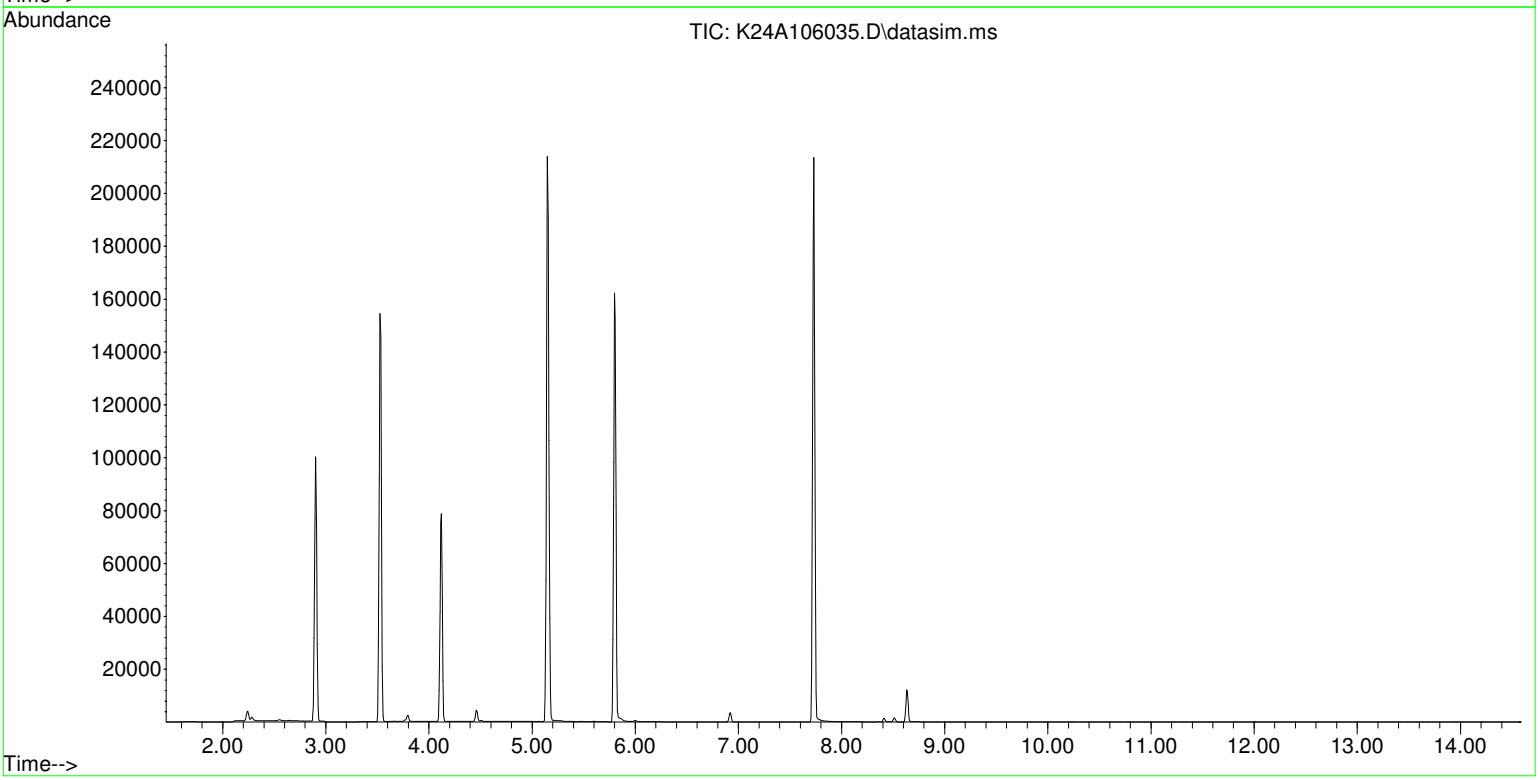
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-DIFLUOROBENZENE (2)	3.527	114	192469	8.000	PPBV	0.00
7) CHLOROBENZENE-D5 (2)	5.143	54	53328	8.000	PPBV	0.00
System Monitoring Compounds						
10) 4-BROMOFLUOROBENZENE (2)	5.800	174	92635	8.341	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 104.25%			
Target Compounds						Qvalue
2) ACRYLONITRILE	2.132	53	160218	14.004	PPBV	97
3) METHYL ACETATE	2.276	43	204079	7.449	PPBV	98
4) TBA	2.283	59	224320	7.209	PPBV	90
5) 2,2,4-TRIMETHYLPENTANE	3.790	57	301948	4.817	PPBV	97
6) METHYLCYCLOHEXANE	4.115	83	112949	6.615	PPBV #	85
8) 1,3-DICHLOROPROPANE	4.453	76	106046	6.689	PPBV #	80
9) 1,1,1,2-TETRACHLOROETHANE	5.158	131	52358	6.781	PPBV	97
11) CUMENE	5.872	105	279235	5.798	PPBV	100
12) PROPYLBENZENE	6.108	120	71220	6.002	PPBV #	92
13) tert-BUTYLBENZENE	6.408	134	43911	5.002	PPBV	96
14) sec-BUTYLBENZENE	6.551	105	304480	5.297	PPBV	97
15) p-CYMENE	6.644	119	250032	5.064	PPBV	98
16) INDANE	6.723	117	213559	6.048	PPBV	99
17) INDENE	6.766	115	200498	6.609	PPBV	99
18) BUTYLBENZENE	6.866	91	270985	5.652	PPBV	98
19) 1,2-DIBROMO-3-CHLOROPR...	6.916	157	34928	2.653	PPBv	97
20) HEXYLCYCLOHEXANE	8.118	83	159862	4.415	PPBV #	85
21) 2-METHYLNAPHTHALENE	8.411	142	129726	4.863	UG/L	97
22) 1-METHYLNAPHTHALENE	8.511	142	129210	4.901	UG/L	98
23) 4-PHENYLCYCLOHEXANE	8.633	104	226937	4.812	UG/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K041524\ 352
Data File : K24A106035.D
Acq On : 16 Apr 2024 05:15 pm
Operator : CMR
Sample : 25ug-m3 STD Inst : SYSK
Misc : CTWS-4190-24102 05/06
ALS Vial : 7 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 10:04:09 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX012624.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Mon Jan 29 15:44:15 2024
Response via : Initial Calibration





Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106037.D
Acq On : 16 Apr 2024 06:12 pm
Operator : CMR
Sample : 6.25ug-m3 ICV Inst : SYSK
Misc : CTWS-4191-2066 05/06
ALS Vial : 8 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 12:48:37 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX041524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Fri Apr 19 12:48:24 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-DIFLUOROBENZENE (2)	8.000	8.000	0.0	99	0.00
2		ACRYLONITRILE	2.880	2.750	4.5	99	0.00
3		METHYL ACETATE	2.063	2.026	1.8	100	0.00
4		TBA	2.062	1.920	6.9	96	0.00
5		2,2,4-TRIMETHYLPENTANE	1.338	1.344	-0.4	101	0.00
6		METHYLCYCLOHEXANE	1.556	1.553	0.2	101	0.00
7	I	CHLOROBENZENE-D5 (2)	8.000	8.000	0.0	99	0.00
8		1,3-DICHLOROPROPANE	1.352	1.274	5.8	94	0.00
9		1,1,1,2-TETRACHLOROETHANE	0.910	0.905	0.5	99	0.00
10	S	4-BROMOFLUOROBENZENE (2)	8.000	7.866	1.7	98	0.00
11		CUMENE	1.271	1.110	12.7	88	0.00
12		PROPYLBENZENE	1.271	1.176	7.5	91	0.00
13		tert-BUTYLBENZENE	1.139	1.026	9.9	91	0.00
14		sec-BUTYLBENZENE	1.139	1.113	2.3	96	0.00
15		p-CYMENE	1.139	1.073	5.8	93	0.00
16		INDANE	1.293	1.183	8.5	92	0.00
17		INDENE	1.316	1.284	2.4	94	0.00
18		BUTYLBENZENE	1.139	1.100	3.4	91	0.00
19		1,2-DIBROMO-3-CHLOROPROPANE	0.647	0.567	12.4	82	0.00
20		HEXYLCYCLOHEXANE	0.908	0.838	7.7	87	0.00
21		2-METHYLNAPHTHALENE	1.075	1.137	-5.8	87	0.00
22		1-METHYLNAPHTHALENE	1.075	0.937	12.8	81	0.00
23		4-PHENYLCYCLOHEXANE	0.966	0.818	15.3	77	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\K041524\
Data File : K24A106037.D
Acq On : 16 Apr 2024 06:12 pm
Operator : CMR
Sample : 6.25ug-m3 ICV Inst : SYSK
Misc : CTWS-4191-2066 05/06
ALS Vial : 8 Sample Multiplier: 1
InstName : SYSK

Quant Time: Apr 19 12:48:37 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX041524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Fri Apr 19 12:48:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-DIFLUOROBENZENE (2)	3.527	114	178654	8.000	PPBV	0.00
7) CHLOROBENZENE-D5 (2)	5.142	54	50062	8.000	PPBV	0.00
System Monitoring Compounds						
10) 4-BROMOFLUOROBENZENE (2)	5.799	174	83639	7.866	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 98.38%			
Target Compounds						Qvalue
2) ACRYLONITRILE	2.124	53	35405	2.750	PPBV	96
3) METHYL ACETATE	2.268	43	45727	2.026	PPBV	92
4) TBA	2.260	59	47209	1.920	PPBV	87
5) 2,2,4-TRIMETHYLPENTANE	3.790	57	70027	1.344	PPBV	98
6) METHYLCYCLOHEXANE	4.115	83	25620	1.553	PPBV	86
8) 1,3-DICHLOROPROPANE	4.453	76	23617	1.274	PPBV #	80
9) 1,1,1,2-TETRACHLOROETHANE	5.157	131	11989	0.905	PPBV	95
11) CUMENE	5.871	105	54173	1.110	PPBV	98
12) PROPYLBENZENE	6.107	120	13520	1.176	PPBV #	85
13) tert-BUTYLBENZENE	6.414	134	8536	1.026	PPBV	97
14) sec-BUTYLBENZENE	6.550	105	61933	1.113	PPBV	97
15) p-CYMENE	6.643	119	47603	1.073	PPBV	99
16) INDANE	6.722	117	41616	1.183	PPBV	97
17) INDENE	6.765	115	39618	1.284	PPBV	100
18) BUTYLBENZENE	6.865	91	52588	1.100	PPBV	97
19) 1,2-DIBROMO-3-CHLOROPR...	6.915	157	6563	0.567	PPBv	94
20) HEXYLCYCLOHEXANE	8.125	83	25848	0.838	PPBV #	86
21) 2-METHYLNAPHTHALENE	8.410	142	17510	1.137	UG/L	95
22) 1-METHYLNAPHTHALENE	8.510	142	19021	0.937	UG/L	99
23) 4-PHENYLCYCLOHEXANE	8.632	104	32056	0.818	UG/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

D:\MassHunter\GCMS\1\data\K051524\

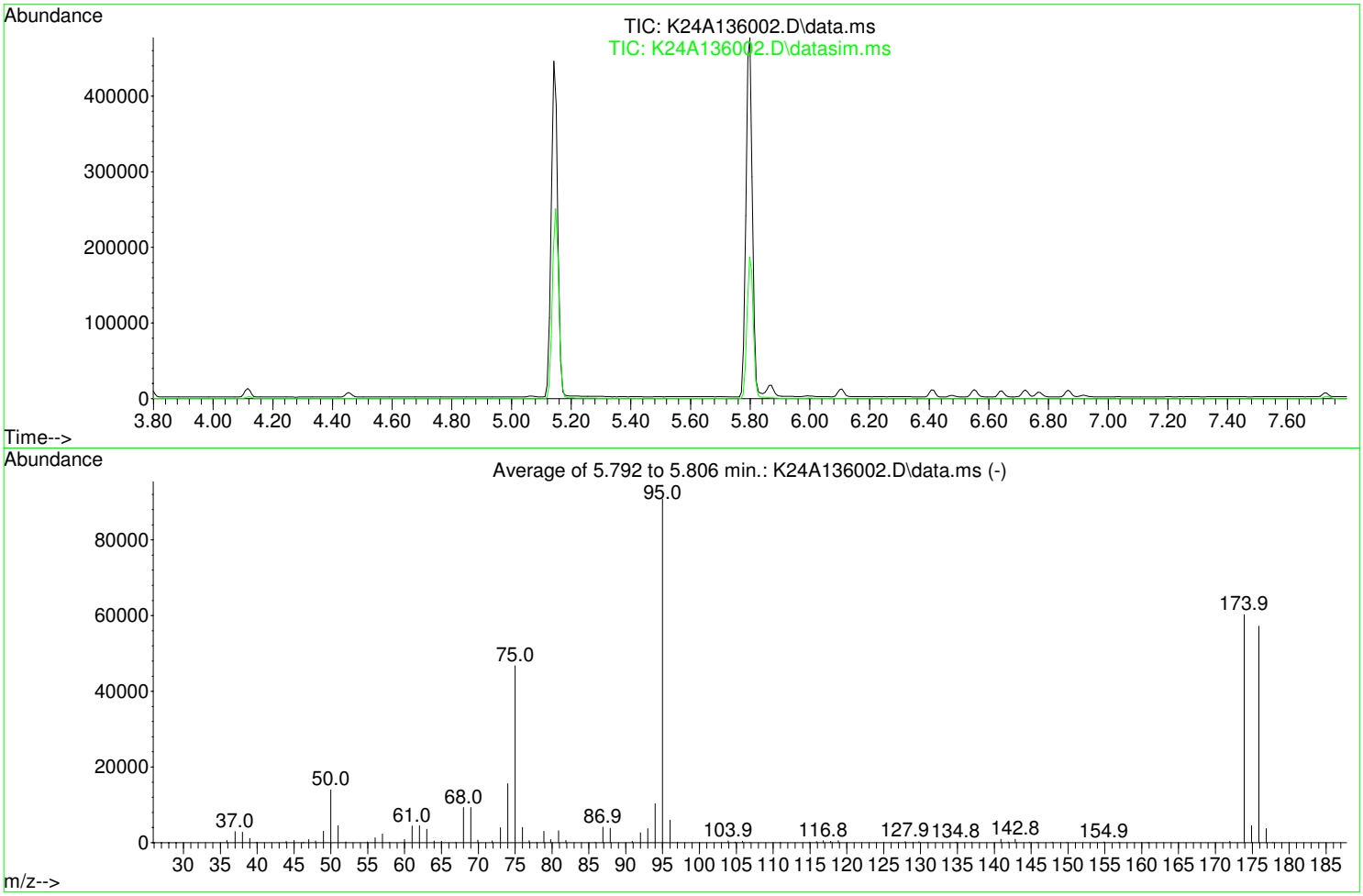
Date	Filename	Lab ID	Sample Info
15 May 2024 12:01 am	K24A136001.D	CLUP	
15 May 2024 12:30 am	K24A136002.D	BFB	CTIS-614-1800
15 May 2024 01:00 am	K24A136003.D	0.625ug-m3 STD	CTWS-4202-1495 06/04
15 May 2024 01:30 am	K24A136004.D	1.25ug-m3 STD	CTWS-4202-1495 06/04
15 May 2024 02:00 am	K24A136005.D	2.50ug-m3 STD	CTWS-4202-1495 06/04
15 May 2024 02:30 am	K24A136006.D	3.13ug-m3 STD	CTWS-4202-1495 06/04
15 May 2024 02:59 am	K24A136007.D	6.25ug-m3 STD	CTWS-4202-1495 06/04
15 May 2024 03:29 am	K24A136008.D	12.5ug-m3 STD	CTWS-4202-1495 06/04
15 May 2024 04:01 am	K24A136009.D	25ug-m3 STD	CTWS-4202-1495 06/04
15 May 2024 04:31 am	K24A136010.D	CLUP	CTWS-4203-1221 06/04
15 May 2024 05:01 am	K24A136011.D	6.25ug-m3 ICV	CTWS-4203-1221 06/04
15 May 2024 09:58 am	K24A136012.D	6.25ug-m3 ICV	CTWS-4203-1812 06/04

Data Path : D:\MassHunter\GCMS\1\data\K051524\

Data File : K24A136002.D
Acq On : 15 May 2024 12:30 am
Operator : CMR
Sample : BFB Inst : SYSK
Misc : CTIS-614-1800
ALS Vial : 4 Sample Multiplier: 1
InstName : SYSK

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : D:\MassHunter\GCMS\1\methods\EX041524.M
Title : QUANT METHOD FOR TO-14/TO-15
Last Update : Fri Apr 19 12:48:24 2024



AutoFind: Scans 565, 566, 567; Background Corrected with Scan 559

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	15.4	13990	PASS
75	95	30	66	51.5	46765	PASS
95	95	100	100	100.0	90829	PASS
96	95	5	9	6.6	6011	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	66.4	60277	PASS
175	174	4	9	7.5	4491	PASS
176	174	93	101	94.9	57213	PASS
177	176	5	9	6.6	3756	PASS

Response Factor Report SYSK

Method Path : D:\MassHunter\GCMS\1\methods\
Method File : EX051524.M
Title : QUANT METHOD FOR TO-14/TO-15
Last Update : Wed May 15 09:37:36 2024
Response Via : Initial Calibration

Calibration Files
0.62=K24A136003.D 1.25=K24A136004.D 2.5 =K24A136005.D 3.13=K24A136006.D 6.25=K24A136007.D 12.5=K24A136008.D 25 =K24A136009.D

		Compound	0.62	1.25	2.5	3.13	6.25	12.5	25	Avg	%RSD
1)	I	1,4-DIFLUOROBENZEN...	----------ISTD----------								
2)		ACRYLONITRILE	0.459	0.463	0.416	0.408	0.399	0.365	0.386	0.414	8.71
3)		METHYL ACETATE	0.746	0.777	0.708	0.709	0.687	0.675	0.647	0.707	6.19
4)		TBA	0.840	0.865	0.845	0.802	0.808	0.814	0.784	0.823	3.43
5)		2,2,4-TRIMETHY...	1.935	2.090	1.987	1.965	1.969	1.997	2.039	1.997	2.59
6)		METHYLCYCLOHEXANE	0.648	0.750	0.711	0.699	0.724	0.765	0.779	0.725	6.15
7)	I	CHLOROBENZENE-D5 (2)	----------ISTD----------								
8)		1,3-DICHLOROPR...	4.097	4.330	4.171	4.046	3.909	4.033	4.072	4.094	3.19
9)		1,1,1,2-TETRAC...	1.761	1.587	1.567	1.538	1.496	1.465	1.456	1.553	6.71
10)	S	4-BROMOFLUOROB...	2.140	2.153	2.190	2.180	2.157	2.176	2.276	2.182	2.06
11)		CUMENE	0.988	1.021	1.018	0.983	0.987	1.050	1.105	1.022 E1	4.31
12)		PROPYLBENZENE	1.678	2.134	2.103	2.097	2.294	2.546	2.710	2.223	15.15
13)		tert-BUTYLBENZENE	1.010	1.546	1.414	1.443	1.513	1.670	1.880	1.497	17.81
14)		sec-BUTYLBENZENE	0.892	0.968	0.994	1.018	1.116	1.257	1.343	1.084 E1	15.08
15)		p-CYMENE	0.675	0.730	0.788	0.789	0.890	1.019	1.086	0.854 E1	17.80
16)		INDANE	6.129	6.161	6.337	6.593	7.253	7.932	8.095	6.929	12.02
17)		INDENE	4.076	4.989	5.424	5.625	6.290	6.805	7.313	5.789	19.11
18)		BUTYLBENZENE	0.743	0.843	0.904	0.953	1.039	1.133	1.184	0.971 E1	16.26
19)		1,2-DIBROMO-3-...	1.692	1.834	1.793	2.014	1.949	2.095	2.092	1.924	8.08
20)		HEXYLCYCLOHEXANE	3.955	4.110	4.214	4.481	5.646	7.017		4.904	24.47
21)		2-METHYLNAPHTH...	1.809	1.937	2.248	2.595	3.137	4.194		2.653	33.72
22)		1-METHYLNAPHTH...	2.393	2.820	2.935	3.054	3.569	4.780		3.259	25.67
23)		4-PHENYLCYCLOH...	4.200	4.681	5.281	5.607	7.179	8.937		5.981	29.60

(#) = Out of Range

Data Path : D:\MassHunter\GCMS\1\data\K051524\
Data File : K24A136003.D
Acq On : 15 May 2024 01:00 am
Operator : CMR
Sample : 0.625ug-m3 STD Inst : SYSK
Misc : CTWS-4202-1495 06/04
ALS Vial : 4 Sample Multiplier: 1
InstName : SYSK

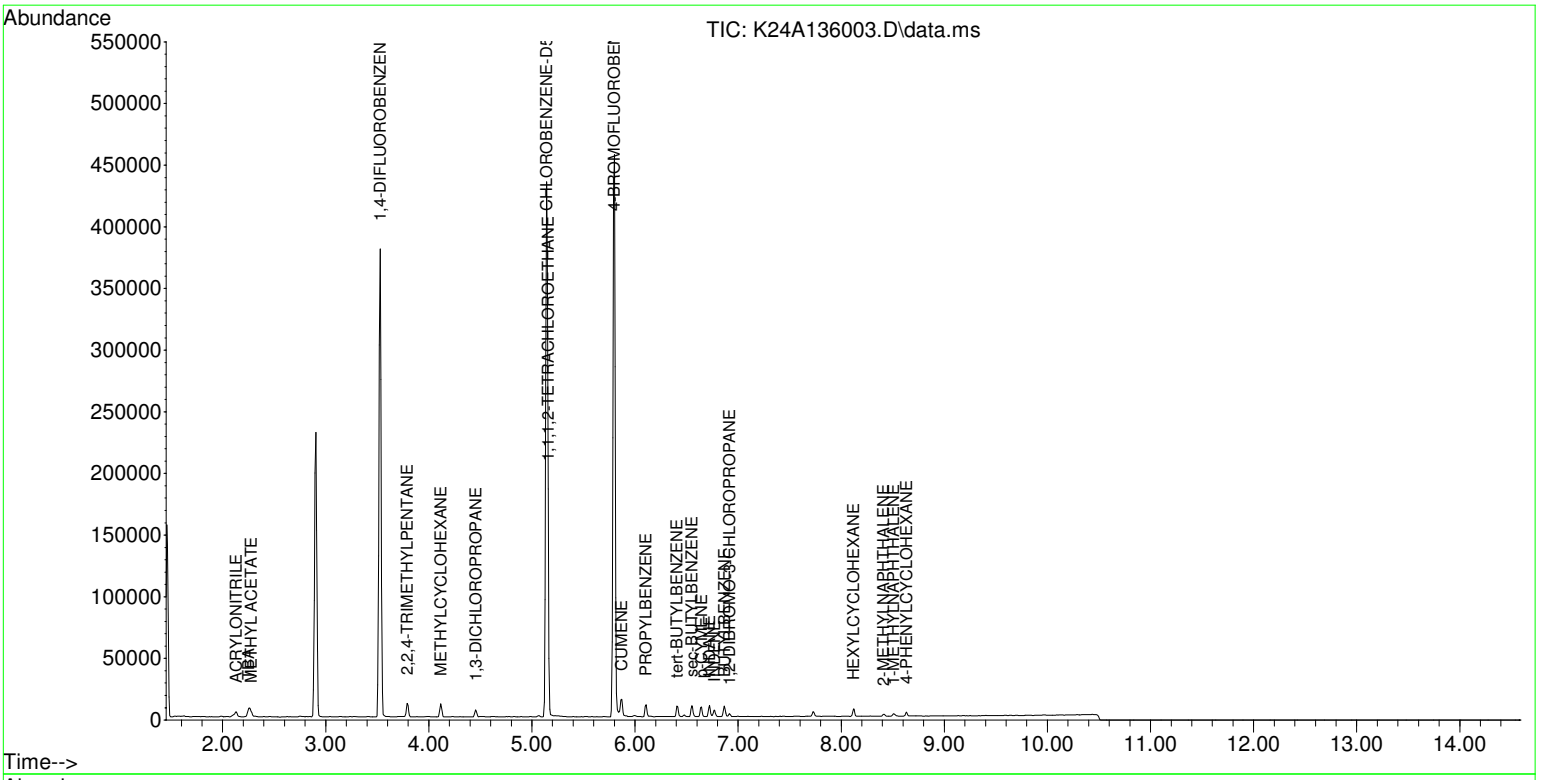
Quant Time: May 15 09:29:02 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX041524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Fri Apr 19 12:48:24 2024
Response via : Initial Calibration

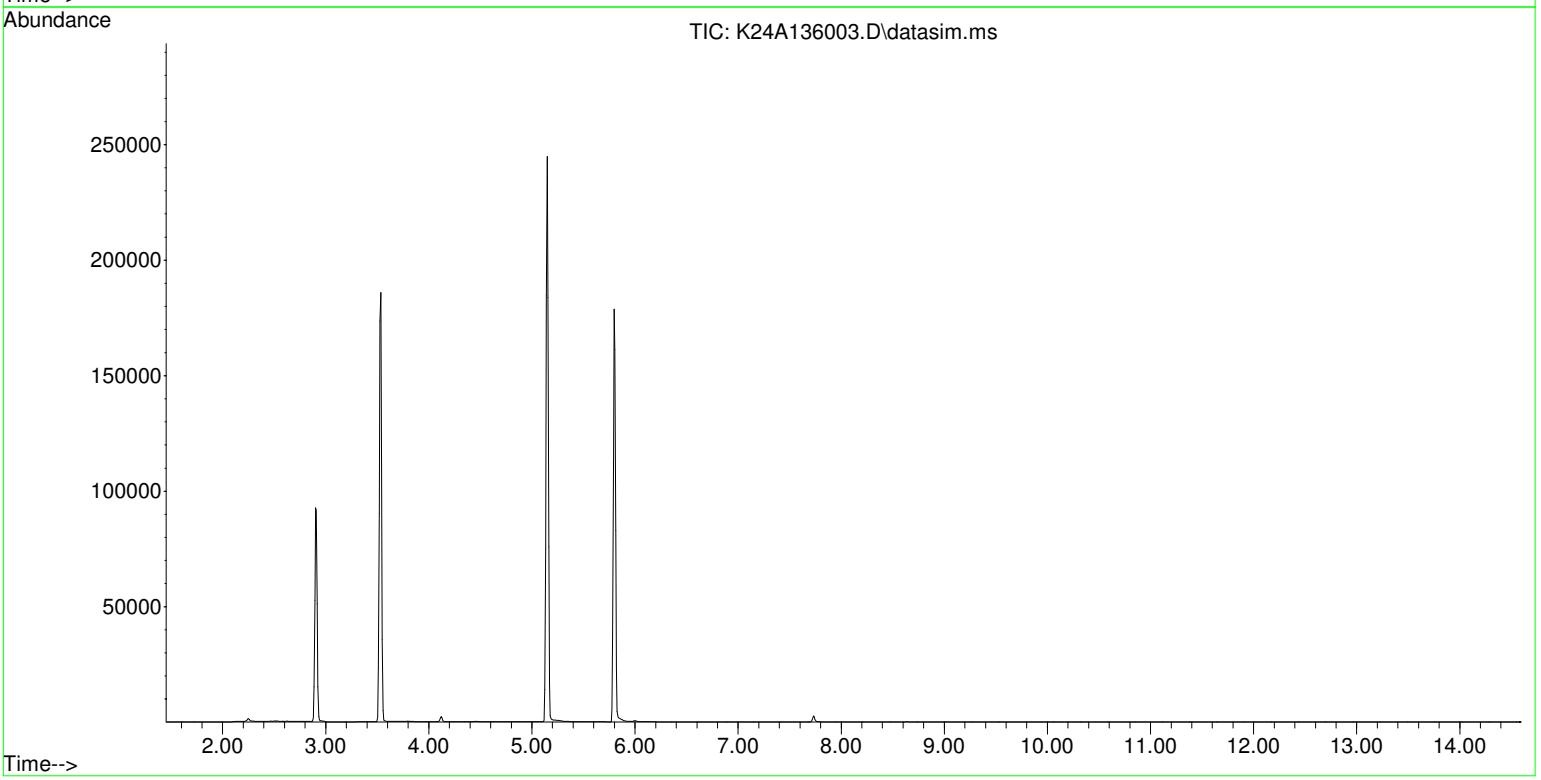
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-DIFLUOROBENZENE (2)	3.527	114	229043	8.000	PPBV		0.00
7) CHLOROBENZENE-D5 (2)	5.142	54	46836	8.000	PPBV		0.00
System Monitoring Compounds							
10) 4-BROMOFLUOROBENZENE (2)	5.799	174	100241	10.077	PPBV		0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 126.00%				
Target Compounds							Qvalue
2) ACRYLONITRILE	2.132	53	3781	0.229	PPBV		92
3) METHYL ACETATE	2.276	43	4397	0.152	PPBV		96
4) TBA	2.253	59	4952	0.157	PPBV		89
5) 2,2,4-TRIMETHYLPENTANE	3.790	57	7425	0.111	PPBV		95
6) METHYLCYCLOHEXANE	4.115	83	2894	0.137	PPBV	#	74
8) 1,3-DICHLOROPROPANE	4.453	76	3238	0.187	PPBV	#	62
9) 1,1,1,2-TETRACHLOROETHANE	5.157	131	938	0.076	PPBV		91
11) CUMENE	5.871	105	7347	0.161	PPBV		99
12) PROPYLBENZENE	6.107	120	1248	0.116	PPBV	#	46
13) tert-BUTYLBENZENE	6.407	134	674	0.087	PPBV	#	55
14) sec-BUTYLBENZENE	6.551	105	5956	0.114	PPBV		98
15) p-CYMENE	6.644	119	4502	0.108	PPBV		96
16) INDANE	6.722	117	4629	0.141	PPBV		94
17) INDENE	6.772	115	3150	0.109	PPBV		98
18) BUTYLBENZENE	6.865	91	4958	0.111	PPBV		91
19) 1,2-DIBROMO-3-CHLOROPR...	6.915	157	644	0.059	PPBv	#	85
20) HEXYLCYCLOHEXANE	8.117	83	2107	0.073	PPBV	#	80
21) 2-METHYLNAPHTHALENE	8.410	142	1133	0.079	UG/L		92
22) 1-METHYLNAPHTHALENE	8.510	142	1499	0.079	UG/L		96
23) 4-PHENYLCYCLOHEXANE	8.632	104	2385	0.065	UG/L		86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K051524\
Data File : K24A136003.D
Acq On : 15 May 2024 01:00 am
Operator : CMR
Sample : 0.625ug-m3 STD Inst : SYSK
Misc : CTWS-4202-1495 06/04
ALS Vial : 4 Sample Multiplier: 1
InstName : SYSK

Quant Time: May 15 09:29:02 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX041524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Fri Apr 19 12:48:24 2024
Response via : Initial Calibration





Data Path : D:\MassHunter\GCMS\1\data\K051524\
Data File : K24A136004.D
Acq On : 15 May 2024 01:30 am
Operator : CMR
Sample : 1.25ug-m3 STD Inst : SYSK
Misc : CTWS-4202-1495 06/04
ALS Vial : 4 Sample Multiplier: 1
InstName : SYSK

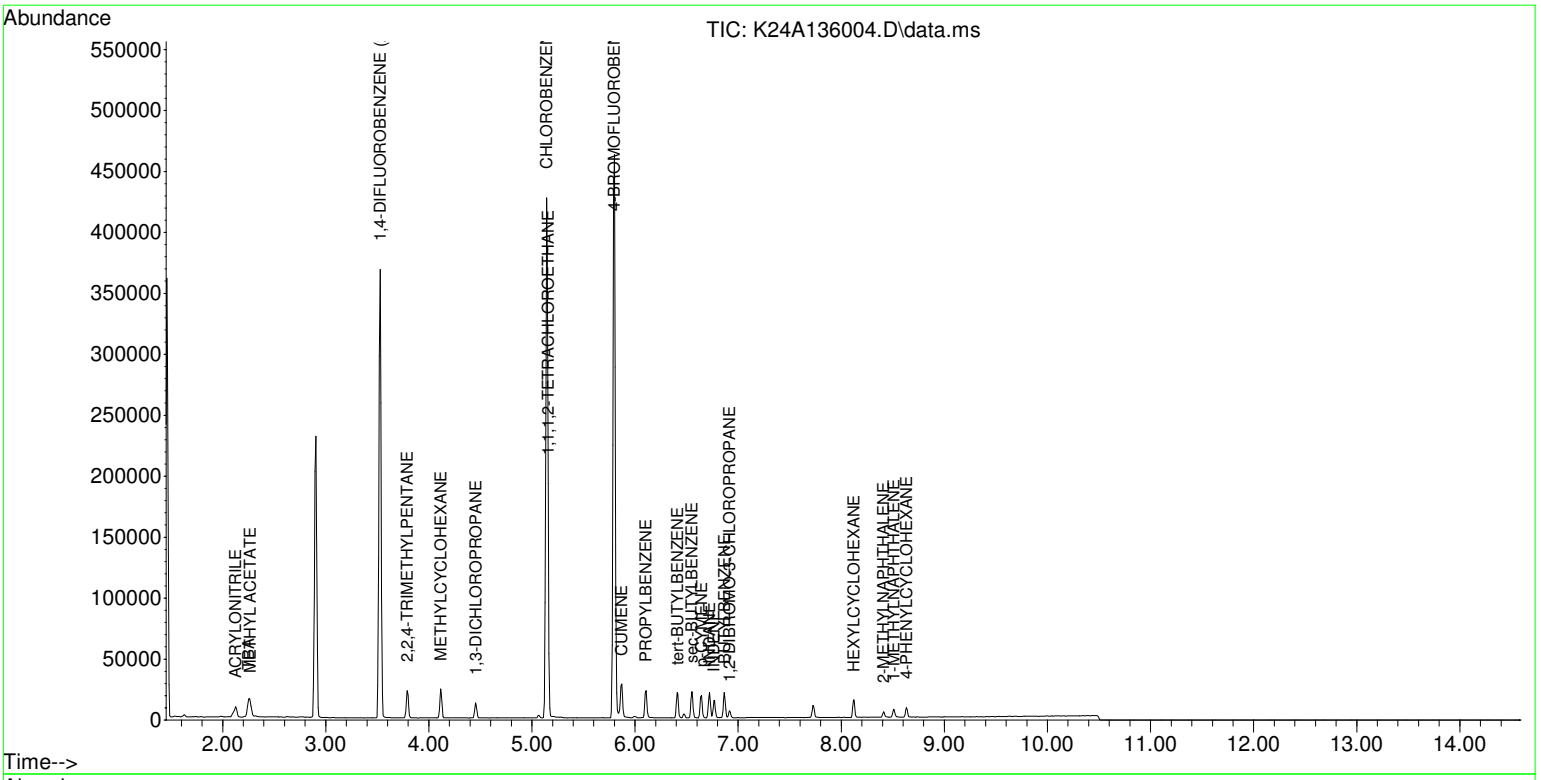
Quant Time: May 15 09:29:05 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX041524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Fri Apr 19 12:48:24 2024
Response via : Initial Calibration

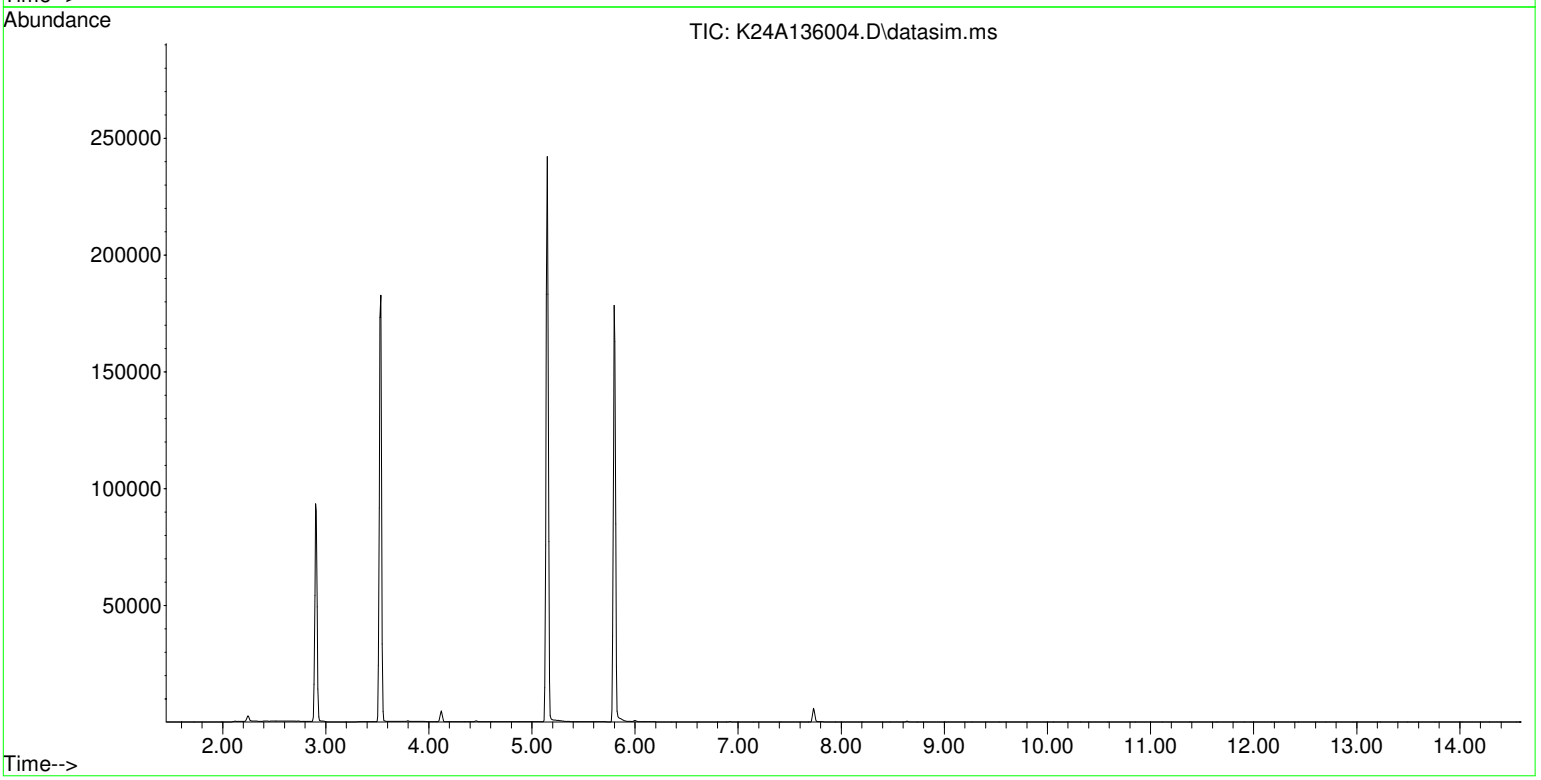
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-DIFLUOROBENZENE (2)	3.527	114	221733	8.000	PPBV		0.00
7) CHLOROBENZENE-D5 (2)	5.142	54	46761	8.000	PPBV		0.00
System Monitoring Compounds							
10) 4-BROMOFLUOROBENZENE (2)	5.799	174	100671	10.136	PPBV		0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 126.75%				
Target Compounds							Qvalue
2) ACRYLONITRILE	2.124	53	7386	0.462	PPBV		98
3) METHYL ACETATE	2.268	43	8896	0.318	PPBV		97
4) TBA	2.253	59	9882	0.324	PPBV		88
5) 2,2,4-TRIMETHYLPENTANE	3.790	57	15523	0.240	PPBV		94
6) METHYLCYCLOHEXANE	4.115	83	6462	0.316	PPBV	#	74
8) 1,3-DICHLOROPROPANE	4.453	76	6834	0.395	PPBV	#	64
9) 1,1,1,2-TETRACHLOROETHANE	5.157	131	1688	0.136	PPBV		95
11) CUMENE	5.871	105	15165	0.333	PPBV		99
12) PROPYLBENZENE	6.107	120	3168	0.295	PPBV	#	81
13) tert-BUTYLBENZENE	6.415	134	2061	0.265	PPBV	#	90
14) sec-BUTYLBENZENE	6.551	105	12902	0.248	PPBV		94
15) p-CYMENE	6.644	119	9733	0.235	PPBV		100
16) INDANE	6.722	117	9327	0.284	PPBV		91
17) INDENE	6.765	115	7669	0.266	PPBV		92
18) BUTYLBENZENE	6.865	91	11229	0.252	PPBV		94
19) 1,2-DIBROMO-3-CHLOROPR...	6.915	157	1383	0.128	PPBv		89
20) HEXYLCYCLOHEXANE	8.125	83	4372	0.152	PPBV	#	76
21) 2-METHYLNAPHTHALENE	8.410	142	2434	0.169	UG/L		98
22) 1-METHYLNAPHTHALENE	8.510	142	3544	0.187	UG/L		96
23) 4-PHENYLCYCLOHEXANE	8.632	104	5281	0.144	UG/L		88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K051524\
Data File : K24A136004.D
Acq On : 15 May 2024 01:30 am
Operator : CMR
Sample : 1.25ug-m3 STD Inst : SYSK
Misc : CTWS-4202-1495 06/04
ALS Vial : 4 Sample Multiplier: 1
InstName : SYSK

Quant Time: May 15 09:29:05 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX041524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Fri Apr 19 12:48:24 2024
Response via : Initial Calibration





Data Path : D:\MassHunter\GCMS\1\data\K051524\
Data File : K24A136005.D
Acq On : 15 May 2024 02:00 am
Operator : CMR
Sample : 2.50ug-m3 STD Inst : SYSK
Misc : CTWS-4202-1495 06/04
ALS Vial : 4 Sample Multiplier: 1
InstName : SYSK

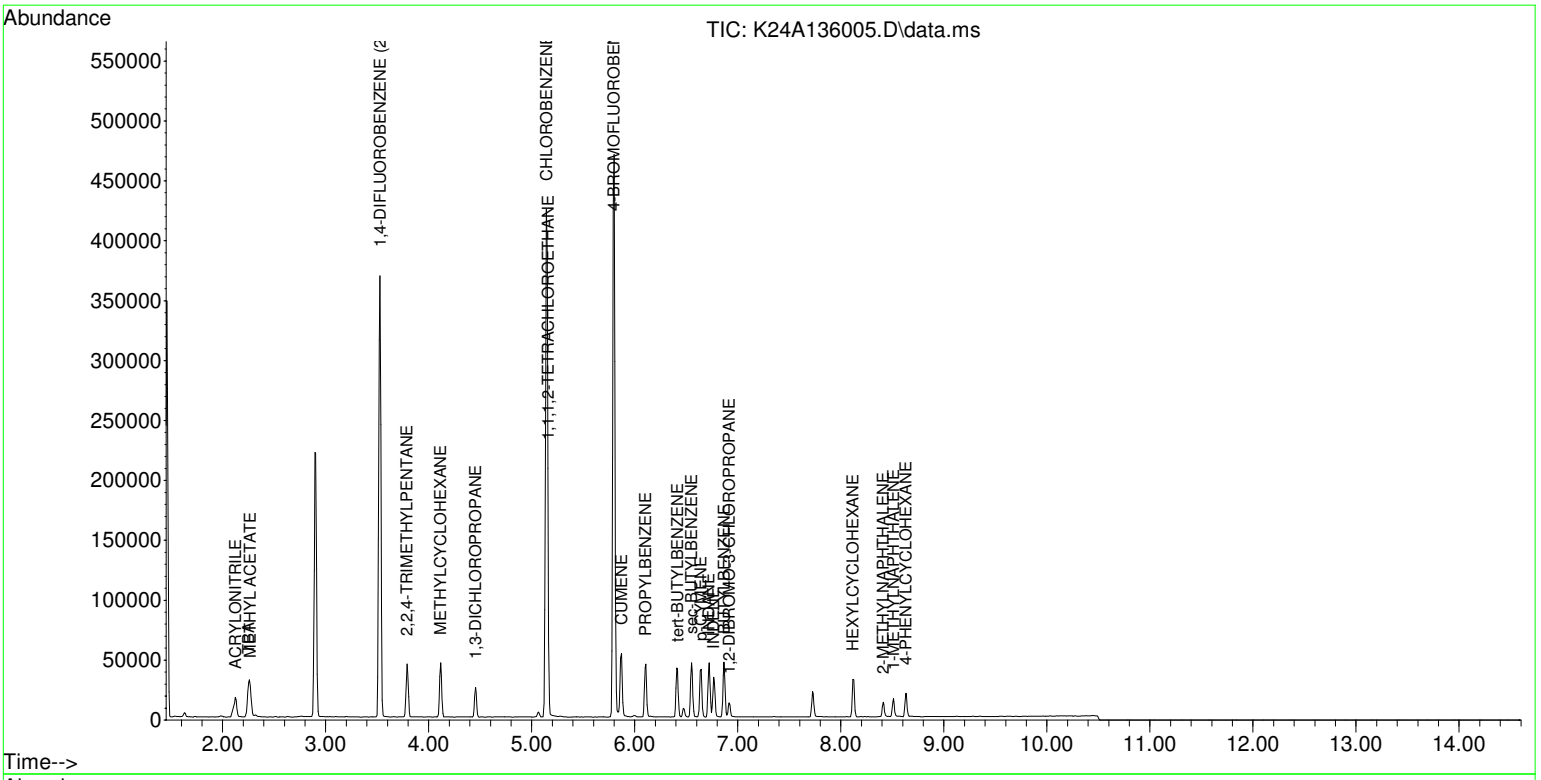
Quant Time: May 15 09:29:07 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX041524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Fri Apr 19 12:48:24 2024
Response via : Initial Calibration

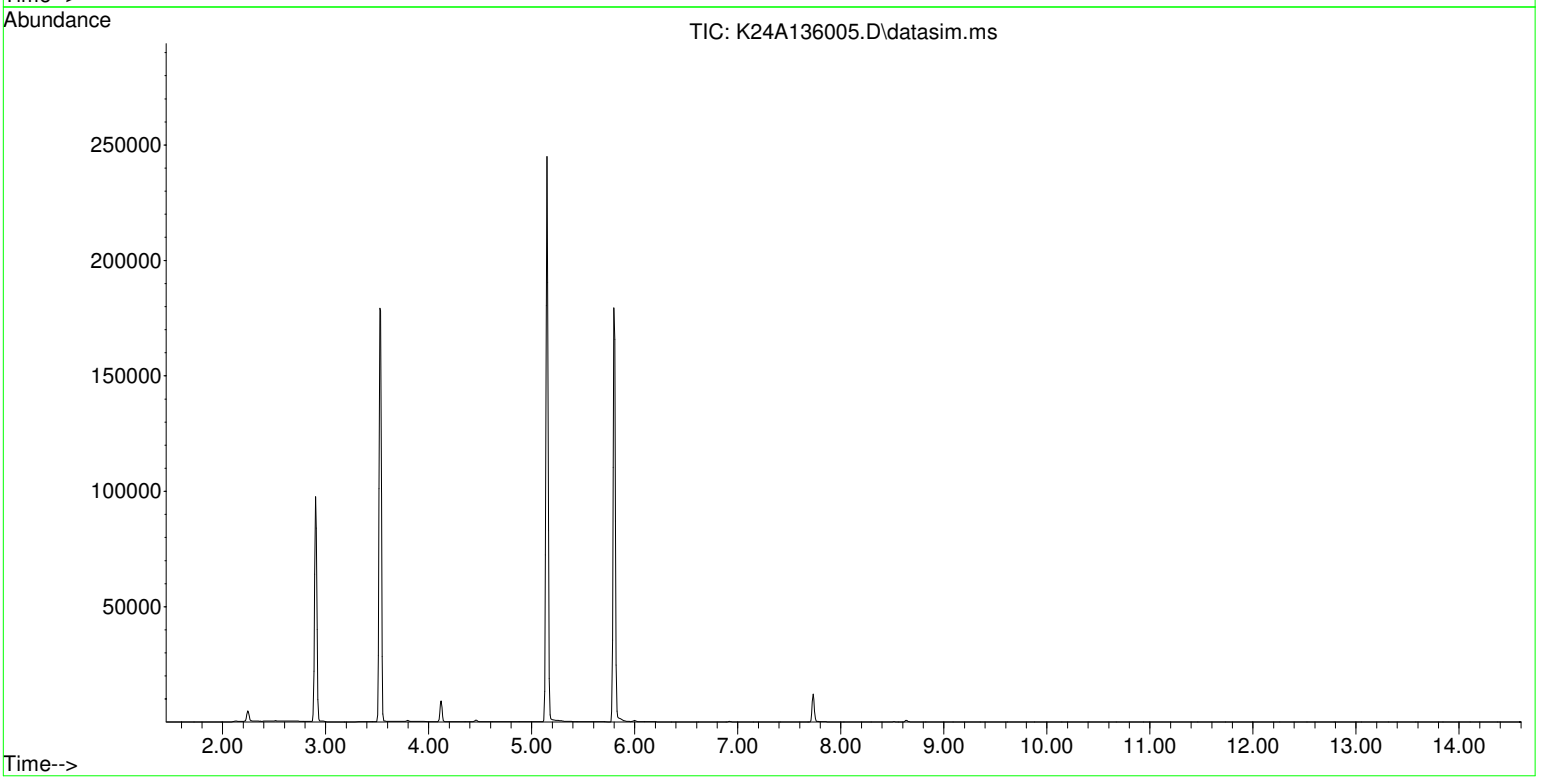
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-DIFLUOROBENZENE (2)	3.527	114	224379	8.000	PPBV		0.00
7) CHLOROBENZENE-D5 (2)	5.142	54	46635	8.000	PPBV		0.00
System Monitoring Compounds							
10) 4-BROMOFLUOROBENZENE (2)	5.799	174	102144	10.312	PPBV		0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 128.88%				
Target Compounds							Qvalue
2) ACRYLONITRILE	2.124	53	13436	0.831	PPBV		97
3) METHYL ACETATE	2.268	43	16403	0.579	PPBV		91
4) TBA	2.253	59	19532	0.632	PPBV		90
5) 2,2,4-TRIMETHYLPENTANE	3.790	57	29874	0.457	PPBV		94
6) METHYLCYCLOHEXANE	4.115	83	12406	0.599	PPBV	#	71
8) 1,3-DICHLOROPROPANE	4.453	76	13130	0.760	PPBV	#	63
9) 1,1,1,2-TETRACHLOROETHANE	5.157	131	3324	0.269	PPBV		96
11) CUMENE	5.871	105	30158	0.664	PPBV		97
12) PROPYLBENZENE	6.107	120	6228	0.581	PPBV	#	84
13) tert-BUTYLBENZENE	6.415	134	3758	0.485	PPBV		97
14) sec-BUTYLBENZENE	6.550	105	26422	0.510	PPBV		97
15) p-CYMENE	6.644	119	20934	0.506	PPBV		98
16) INDANE	6.722	117	19136	0.584	PPBV		92
17) INDENE	6.765	115	16631	0.579	PPBV		97
18) BUTYLBENZENE	6.865	91	24027	0.540	PPBV		95
19) 1,2-DIBROMO-3-CHLOROPR...	6.915	157	2696	0.250	PPBv		88
20) HEXYLCYCLOHEXANE	8.117	83	8942	0.311	PPBV	#	78
21) 2-METHYLNAPHTHALENE	8.410	142	5634	0.393	UG/L		97
22) 1-METHYLNAPHTHALENE	8.510	142	7358	0.389	UG/L		91
23) 4-PHENYLCYCLOHEXANE	8.632	104	11884	0.326	UG/L		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K051524\
Data File : K24A136005.D
Acq On : 15 May 2024 02:00 am
Operator : CMR
Sample : 2.50ug-m3 STD Inst : SYSK
Misc : CTWS-4202-1495 06/04
ALS Vial : 4 Sample Multiplier: 1
InstName : SYSK

Quant Time: May 15 09:29:07 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX041524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Fri Apr 19 12:48:24 2024
Response via : Initial Calibration





Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\K051524\
Data File : K24A136006.D
Acq On : 15 May 2024 02:30 am
Operator : CMR
Sample : 3.13ug-m3 STD Inst : SYSK
Misc : CTWS-4202-1495 06/04
ALS Vial : 4 Sample Multiplier: 1
InstName : SYSK

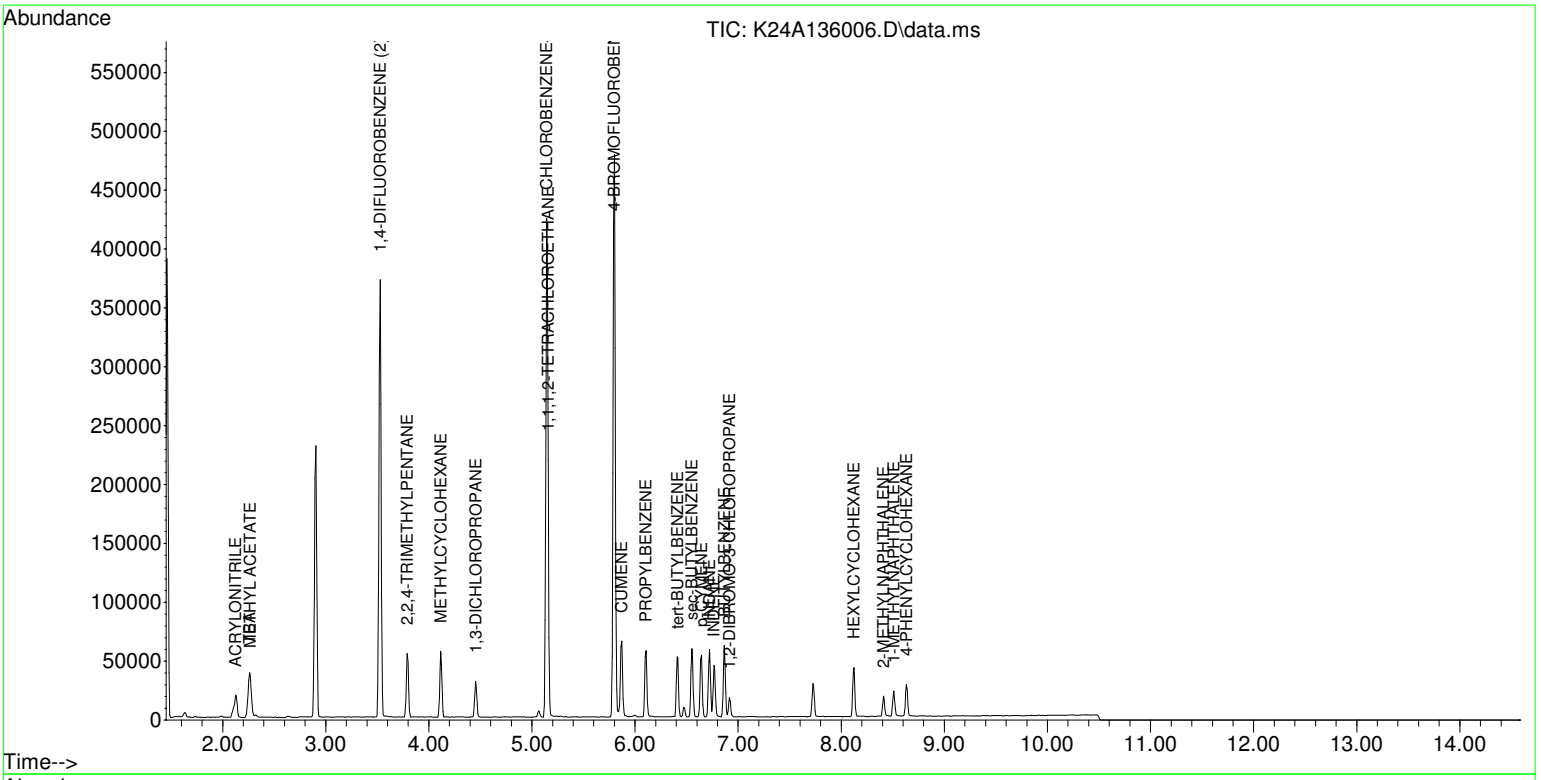
Quant Time: May 15 09:29:09 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX041524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Fri Apr 19 12:48:24 2024
Response via : Initial Calibration

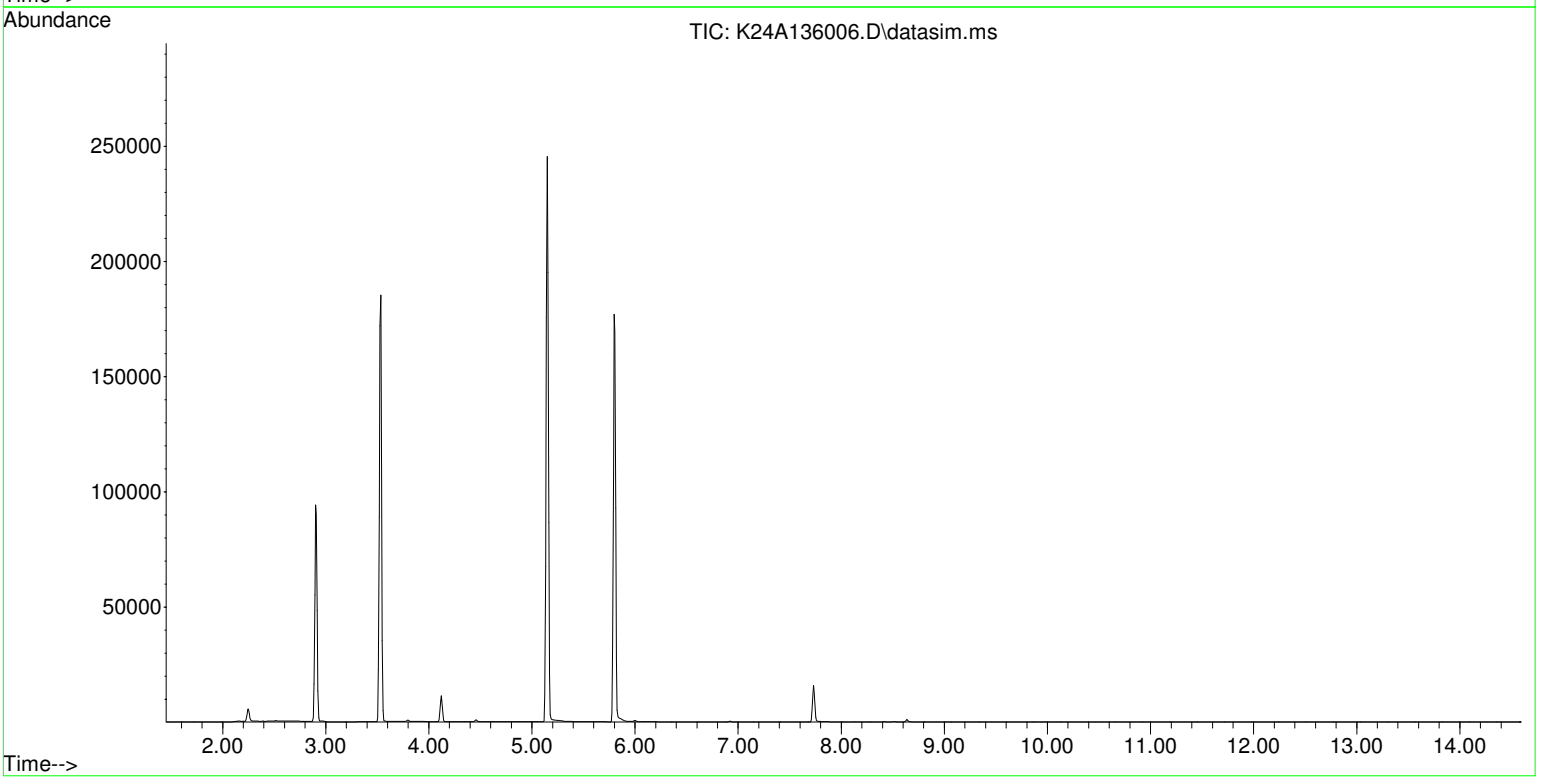
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-DIFLUOROBENZENE (2)	3.527	114	223864	8.000	PPBV		0.00
7) CHLOROBENZENE-D5 (2)	5.142	54	46902	8.000	PPBV		0.00
System Monitoring Compounds							
10) 4-BROMOFLUOROBENZENE (2)	5.799	174	102237	10.263	PPBV		0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 128.25%				
Target Compounds							Qvalue
2) ACRYLONITRILE	2.124	53	16452	1.020	PPBV		96
3) METHYL ACETATE	2.268	43	20465	0.724	PPBV		95
4) TBA	2.260	59	23150	0.751	PPBV		90
5) 2,2,4-TRIMETHYLPENTANE	3.790	57	36791	0.564	PPBV		94
6) METHYLCYCLOHEXANE	4.115	83	15215	0.736	PPBV	#	74
8) 1,3-DICHLOROPROPANE	4.453	76	16034	0.923	PPBV	#	64
9) 1,1,1,2-TETRACHLOROETHANE	5.157	131	4102	0.330	PPBV		98
11) CUMENE	5.871	105	36670	0.802	PPBV		97
12) PROPYLBENZENE	6.107	120	7819	0.726	PPBV	#	81
13) tert-BUTYLBENZENE	6.414	134	4815	0.618	PPBV	#	93
14) sec-BUTYLBENZENE	6.550	105	33974	0.652	PPBV		97
15) p-CYMENE	6.643	119	26334	0.633	PPBV		98
16) INDANE	6.722	117	25009	0.759	PPBV		92
17) INDENE	6.765	115	21701	0.751	PPBV		99
18) BUTYLBENZENE	6.865	91	31806	0.710	PPBV		94
19) 1,2-DIBROMO-3-CHLOROPR...	6.915	157	3814	0.352	PPBv		96
20) HEXYLCYCLOHEXANE	8.125	83	11927	0.413	PPBV	#	81
21) 2-METHYLNAPHTHALENE	8.410	142	8171	0.566	UG/L		96
22) 1-METHYLNAPHTHALENE	8.510	142	9614	0.506	UG/L		96
23) 4-PHENYLCYCLOHEXANE	8.632	104	15877	0.432	UG/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K051524\
Data File : K24A136006.D
Acq On : 15 May 2024 02:30 am
Operator : CMR
Sample : 3.13ug-m3 STD Inst : SYSK
Misc : CTWS-4202-1495 06/04
ALS Vial : 4 Sample Multiplier: 1
InstName : SYSK

Quant Time: May 15 09:29:09 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX041524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Fri Apr 19 12:48:24 2024
Response via : Initial Calibration





Data Path : D:\MassHunter\GCMS\1\data\K051524\
Data File : K24A136007.D
Acq On : 15 May 2024 02:59 am
Operator : CMR
Sample : 6.25ug-m3 STD Inst : SYSK
Misc : CTWS-4202-1495 06/04
ALS Vial : 4 Sample Multiplier: 1
InstName : SYSK

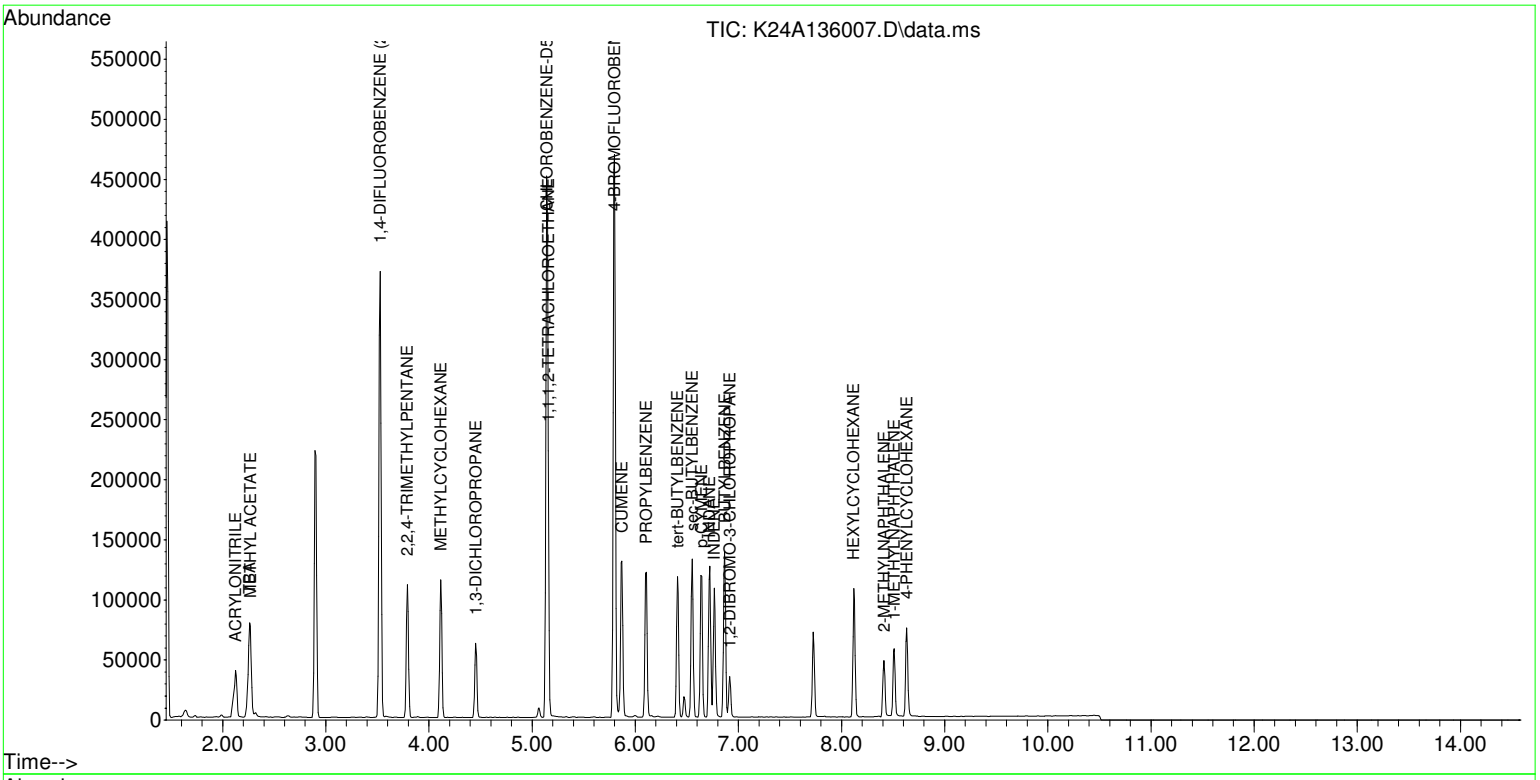
Quant Time: May 15 09:29:11 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX041524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Fri Apr 19 12:48:24 2024
Response via : Initial Calibration

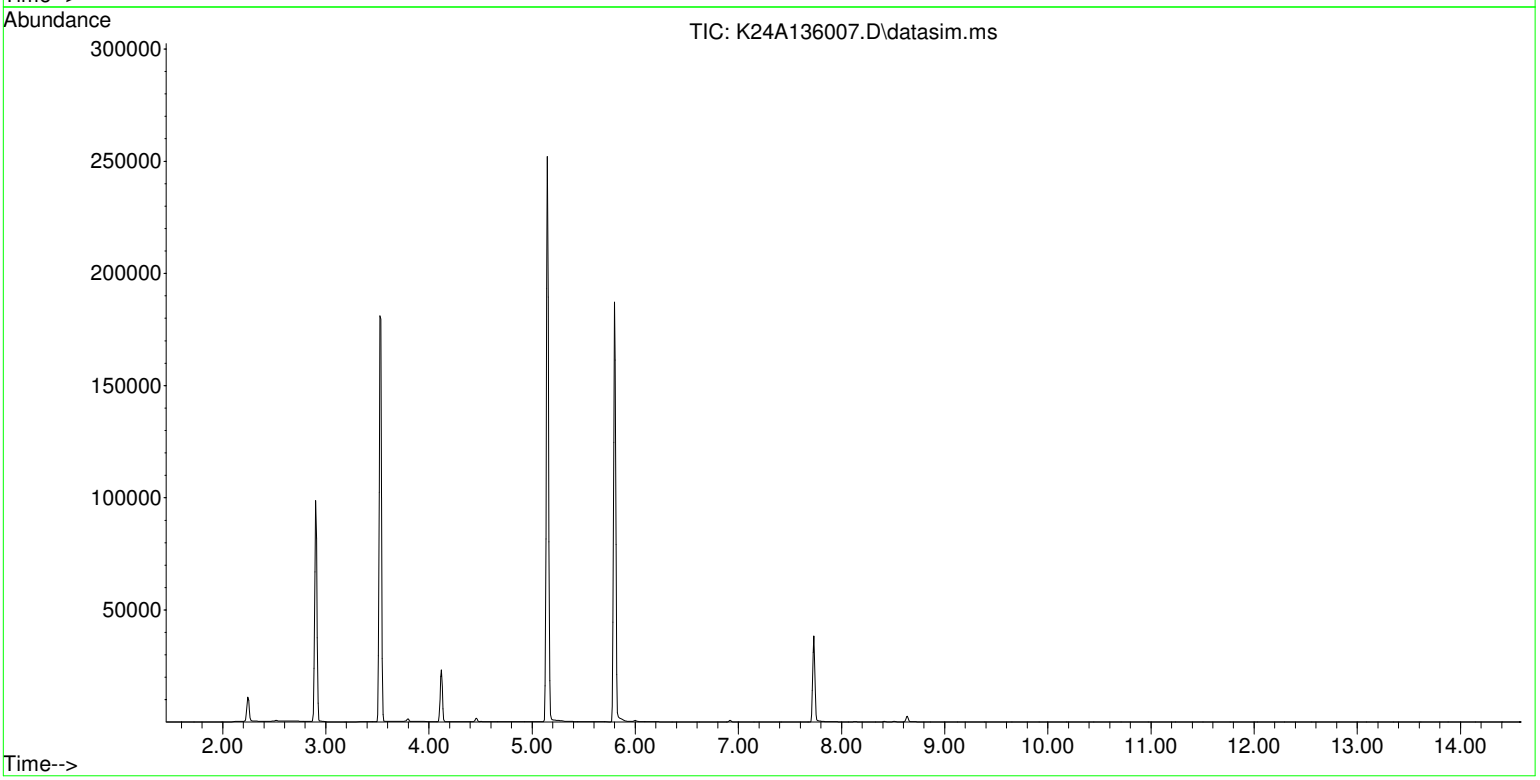
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-DIFLUOROBENZENE (2)	3.527	114	226985	8.000	PPBV		0.00
7) CHLOROBENZENE-D5 (2)	5.143	54	49250	8.000	PPBV		0.00
System Monitoring Compounds							
10) 4-BROMOFLUOROBENZENE (2)	5.800	174	106250	10.157	PPBV		0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 127.00%				
Target Compounds							Qvalue
2) ACRYLONITRILE	2.124	53	32575	1.991	PPBV		99
3) METHYL ACETATE	2.268	43	40219	1.403	PPBV		91
4) TBA	2.261	59	47281	1.513	PPBV		91
5) 2,2,4-TRIMETHYLPENTANE	3.790	57	74737	1.129	PPBV		93
6) METHYLCYCLOHEXANE	4.115	83	31942	1.524	PPBV	#	73
8) 1,3-DICHLOROPROPANE	4.453	76	32536	1.784	PPBV	#	63
9) 1,1,1,2-TETRACHLOROETHANE	5.158	131	8381	0.643	PPBV		96
11) CUMENE	5.872	105	77200	1.608	PPBV		99
12) PROPYLBENZENE	6.108	120	17947	1.586	PPBV	#	87
13) tert-BUTYLBENZENE	6.408	134	10607	1.296	PPBV		94
14) sec-BUTYLBENZENE	6.552	105	78250	1.429	PPBV		95
15) p-CYMENE	6.645	119	62398	1.429	PPBV		99
16) INDANE	6.723	117	57732	1.668	PPBV		95
17) INDENE	6.766	115	50959	1.679	PPBV		97
18) BUTYLBENZENE	6.866	91	72859	1.549	PPBV		97
19) 1,2-DIBROMO-3-CHLOROPR...	6.917	157	7762	0.682	PPBv		96
20) HEXYLCYCLOHEXANE	8.119	83	31559	1.040	PPBV	#	79
21) 2-METHYLNAPHTHALENE	8.411	142	20763	1.370	UG/L		98
22) 1-METHYLNAPHTHALENE	8.511	142	23622	1.183	UG/L		98
23) 4-PHENYLCYCLOHEXANE	8.633	104	42695	1.107	UG/L		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K051524\
Data File : K24A136007.D
Acq On : 15 May 2024 02:59 am
Operator : CMR
Sample : 6.25ug-m3 STD Inst : SYSK
Misc : CTWS-4202-1495 06/04
ALS Vial : 4 Sample Multiplier: 1
InstName : SYSK

Quant Time: May 15 09:29:11 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX041524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Fri Apr 19 12:48:24 2024
Response via : Initial Calibration





Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\K051524\
Data File : K24A136008.D
Acq On : 15 May 2024 03:29 am
Operator : CMR
Sample : 12.5ug-m3 STD Inst : SYSK
Misc : CTWS-4202-1495 06/04
ALS Vial : 4 Sample Multiplier: 1
InstName : SYSK

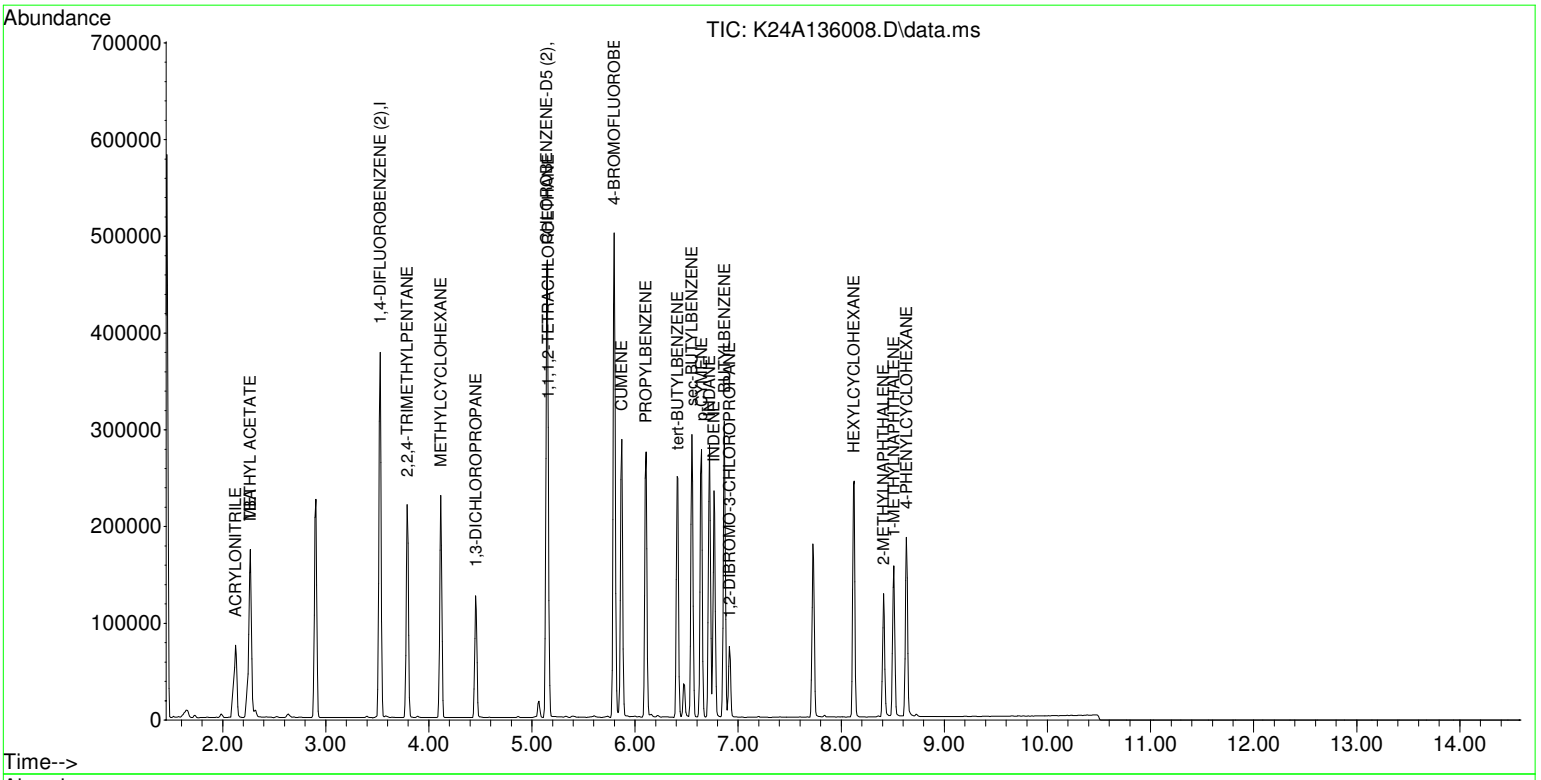
Quant Time: May 15 09:29:13 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX041524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Fri Apr 19 12:48:24 2024
Response via : Initial Calibration

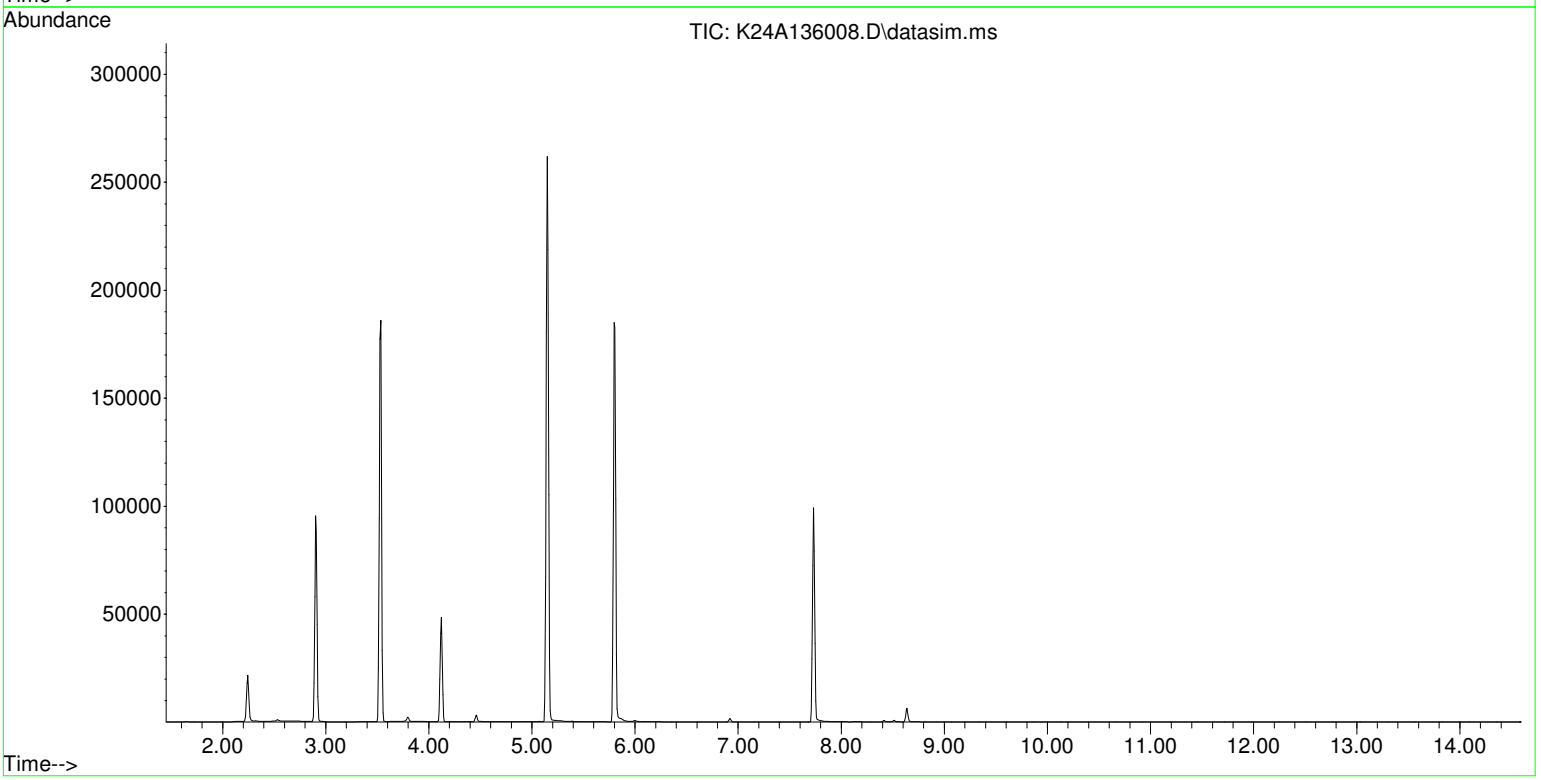
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-DIFLUOROBENZENE (2)	3.527	114	226852	8.000	PPBV		0.00
7) CHLOROBENZENE-D5 (2)	5.142	54	49462	8.000	PPBV		0.00
System Monitoring Compounds							
10) 4-BROMOFLUOROBENZENE (2)	5.799	174	107636	10.246	PPBV		0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 128.13%				
Target Compounds							Qvalue
2) ACRYLONITRILE	2.124	53	59695	3.651	PPBV		97
3) METHYL ACETATE	2.268	43	78982	2.756	PPBV		88
4) TBA	2.268	59	95163	3.048	PPBV		92
5) 2,2,4-TRIMETHYLPENTANE	3.790	57	151517	2.290	PPBV		93
6) METHYLCYCLOHEXANE	4.115	83	67523	3.223	PPBV	#	71
8) 1,3-DICHLOROPROPANE	4.453	76	67451	3.682	PPBV	#	63
9) 1,1,1,2-TETRACHLOROETHANE	5.157	131	16491	1.259	PPBV		98
11) CUMENE	5.871	105	165065	3.424	PPBV		99
12) PROPYLBENZENE	6.107	120	40027	3.523	PPBV	#	89
13) tert-BUTYLBENZENE	6.414	134	23506	2.859	PPBV		97
14) sec-BUTYLBENZENE	6.550	105	176918	3.217	PPBV		96
15) p-CYMENE	6.643	119	143463	3.272	PPBV		99
16) INDANE	6.722	117	126828	3.648	PPBV		96
17) INDENE	6.765	115	110688	3.632	PPBV		98
18) BUTYLBENZENE	6.865	91	159481	3.377	PPBV		97
19) 1,2-DIBROMO-3-CHLOROPR...	6.915	157	16748	1.465	PPBv		97
20) HEXYLCYCLOHEXANE	8.125	83	78782	2.584	PPBV	#	78
21) 2-METHYLNAPHTHALENE	8.410	142	55727	3.662	UG/L		96
22) 1-METHYLNAPHTHALENE	8.510	142	63506	3.167	UG/L		98
23) 4-PHENYLCYCLOHEXANE	8.632	104	106759	2.757	UG/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K051524\
Data File : K24A136008.D
Acq On : 15 May 2024 03:29 am
Operator : CMR
Sample : 12.5ug-m3 STD Inst : SYSK
Misc : CTWS-4202-1495 06/04
ALS Vial : 4 Sample Multiplier: 1
InstName : SYSK

Quant Time: May 15 09:29:13 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX041524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Fri Apr 19 12:48:24 2024
Response via : Initial Calibration





Data Path : D:\MassHunter\GCMS\1\data\K051524\
Data File : K24A136009.D
Acq On : 15 May 2024 04:01 am
Operator : CMR
Sample : 25ug-m3 STD Inst : SYSK
Misc : CTWS-4202-1495 06/04
ALS Vial : 4 Sample Multiplier: 1
InstName : SYSK

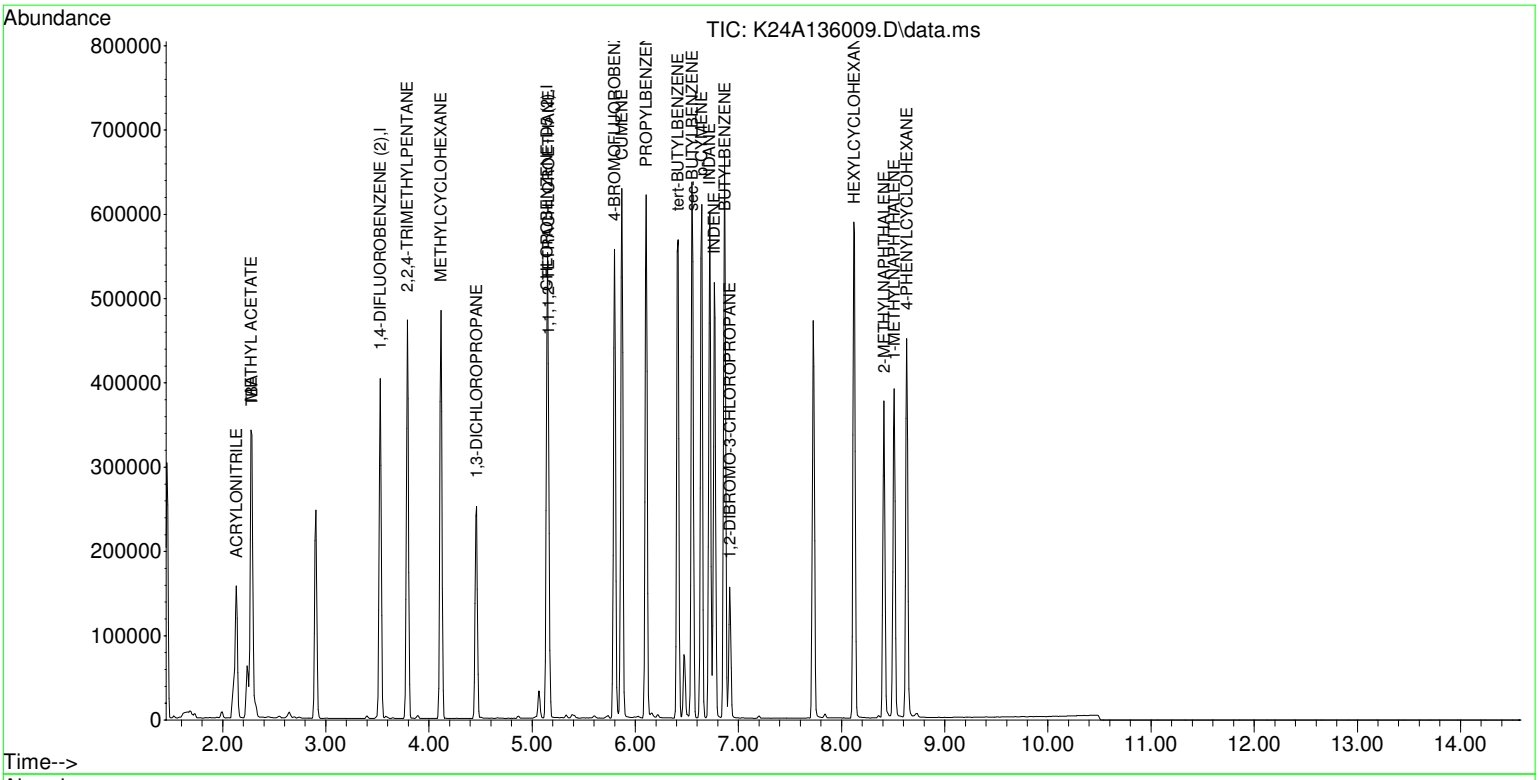
Quant Time: May 15 09:29:15 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX041524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Fri Apr 19 12:48:24 2024
Response via : Initial Calibration

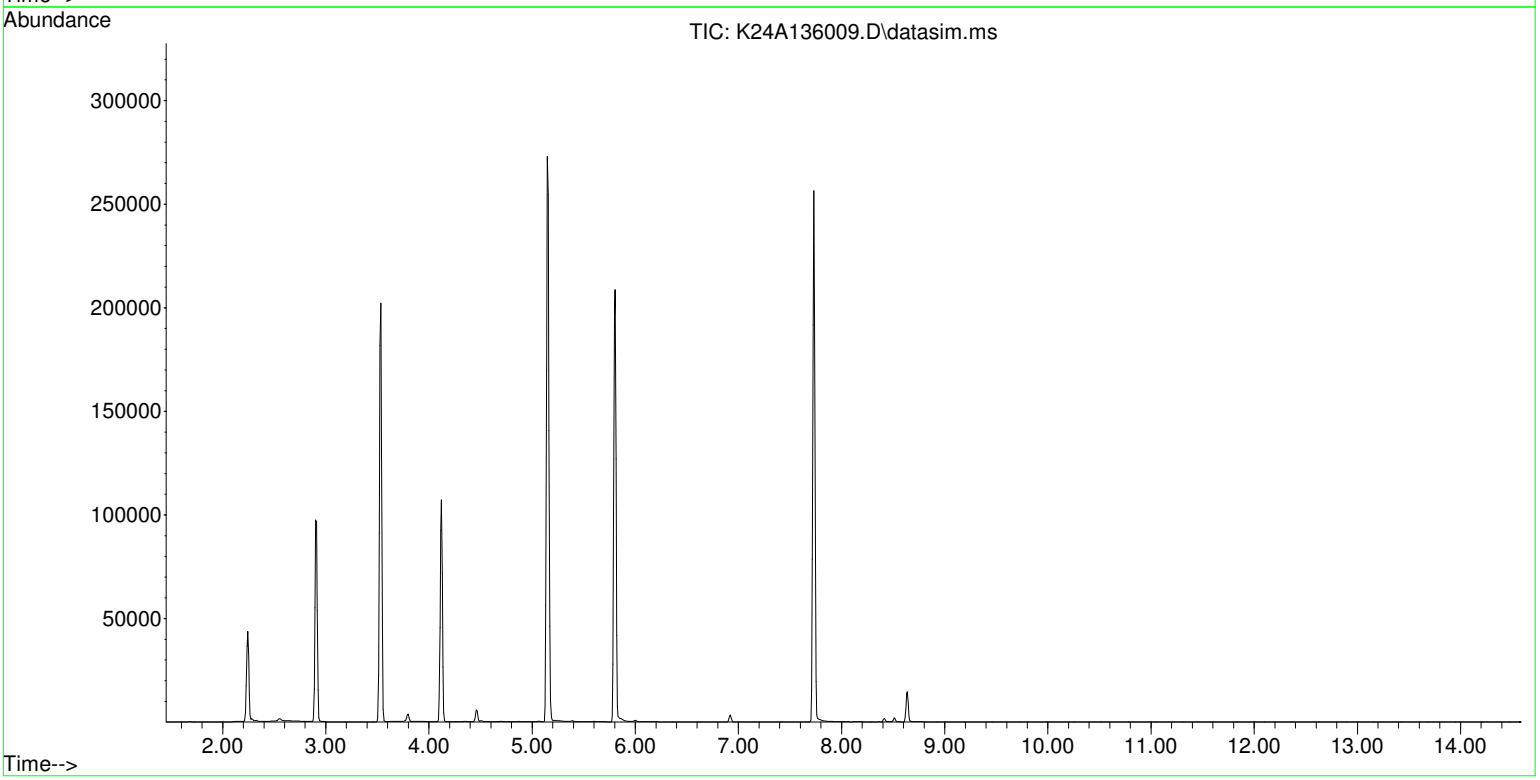
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-DIFLUOROBENZENE (2)	3.528	114	242620	8.000	PPBV	0.00
7) CHLOROBENZENE-D5 (2)	5.142	54	51725	8.000	PPBV	0.00
System Monitoring Compounds						
10) 4-BROMOFLUOROBENZENE (2)	5.799	174	117722	10.716	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 134.00%#			
Target Compounds						Qvalue
2) ACRYLONITRILE	2.132	53	134721	7.704	PPBV	99
3) METHYL ACETATE	2.276	43	161794	5.279	PPBV	88
4) TBA	2.283	59	196146	5.873	PPBV	91
5) 2,2,4-TRIMETHYLPENTANE	3.791	57	330821	4.675	PPBV	93
6) METHYLCYCLOHEXANE	4.115	83	147097	6.565	PPBV #	72
8) 1,3-DICHLOROPROPANE	4.461	76	142421	7.434	PPBV #	63
9) 1,1,1,2-TETRACHLOROETHANE	5.157	131	34283	2.503	PPBV	97
11) CUMENE	5.871	105	363477	7.210	PPBV	100
12) PROPYLBENZENE	6.107	120	89109	7.499	PPBV #	88
13) tert-BUTYLBENZENE	6.415	134	55356	6.439	PPBV	96
14) sec-BUTYLBENZENE	6.551	105	395337	6.875	PPBV	96
15) p-CYMENE	6.644	119	319888	6.977	PPBV	100
16) INDANE	6.722	117	270691	7.445	PPBV	99
17) INDENE	6.765	115	248803	7.807	PPBV	97
18) BUTYLBENZENE	6.866	91	348637	7.060	PPBV	98
19) 1,2-DIBROMO-3-CHLOROPR...	6.916	157	34978	2.925	PPBv	96
20) HEXYLCYCLOHEXANE	8.125	83	209748	6.579	PPBV #	77
21) 2-METHYLNAPHTHALENE	8.410	142	152677	9.594	UG/L	98
22) 1-METHYLNAPHTHALENE	8.510	142	159099	7.588	UG/L	98
23) 4-PHENYLCYCLOHEXANE	8.632	104	259259	6.403	UG/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K051524\
Data File : K24A136009.D
Acq On : 15 May 2024 04:01 am
Operator : CMR
Sample : 25ug-m3 STD Inst : SYSK
Misc : CTWS-4202-1495 06/04
ALS Vial : 4 Sample Multiplier: 1
InstName : SYSK

Quant Time: May 15 09:29:15 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX041524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Fri Apr 19 12:48:24 2024
Response via : Initial Calibration





Data Path : D:\MassHunter\GCMS\1\data\K051524\
Data File : K24A136012.D
Acq On : 15 May 2024 09:58 am
Operator : CMR
Sample : 6.25ug-m3 ICV Inst : SYSK
Misc : CTWS-4203-1812 06/04
ALS Vial : 1 Sample Multiplier: 1
InstName : SYSK

Quant Time: May 31 14:33:23 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX051524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed May 15 09:37:36 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-DIFLUOROBENZENE (2)	8.000	8.000	0.0	106	0.00
2		ACRYLONITRILE	2.880	2.864	0.6	109	0.00
3		METHYL ACETATE	2.063	2.167	-5.0	115	0.00
4		TBA	2.062	2.211	-7.2	116	0.00
5		2,2,4-TRIMETHYLPENTANE	1.338	1.373	-2.6	110	0.00
6		METHYLCYCLOHEXANE	1.556	1.618	-4.0	110	0.00
7	I	CHLOROBENZENE-D5 (2)	8.000	8.000	0.0	105	0.00
8		1,3-DICHLOROPROPANE	1.352	1.310	3.1	107	0.00
9		1,1,1,2-TETRACHLOROETHANE	0.910	1.587	-74.4#	190	0.00
10	S	4-BROMOFLUOROBENZENE (2)	8.000	7.897	1.3	105	0.00
11		CUMENE	1.271	1.127	11.3	97	0.00
12		PROPYLBENZENE	1.271	1.269	0.2	102	0.00
13		tert-BUTYLBENZENE	1.139	1.072	5.9	98	0.00
14		sec-BUTYLBENZENE	1.139	1.202	-5.5	108	0.00
15		p-CYMENE	1.139	1.184	-4.0	105	0.00
16		INDANE	1.293	1.267	2.0	98	0.00
17		INDENE	1.316	1.447	-10.0	106	0.00
18		BUTYLBENZENE	1.139	1.160	-1.8	100	0.00
19		1,2-DIBROMO-3-CHLOROPROPANE	0.647	0.806	-24.6	129	0.00
20		HEXYLCYCLOHEXANE	0.908	0.995	-9.6	100	0.00
21		2-METHYLNAPHTHALENE	1.075	1.537	-43.0#	127	0.00
22		1-METHYLNAPHTHALENE	1.075	1.390	-29.3	124	0.00
23		4-PHENYLCYCLOHEXANE	0.966	1.275	-32.0#	116	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\K051524\
Data File : K24A136012.D
Acq On : 15 May 2024 09:58 am
Operator : CMR
Sample : 6.25ug-m3 ICV Inst : SYSK
Misc : CTWS-4203-1812 06/04
ALS Vial : 1 Sample Multiplier: 1
InstName : SYSK

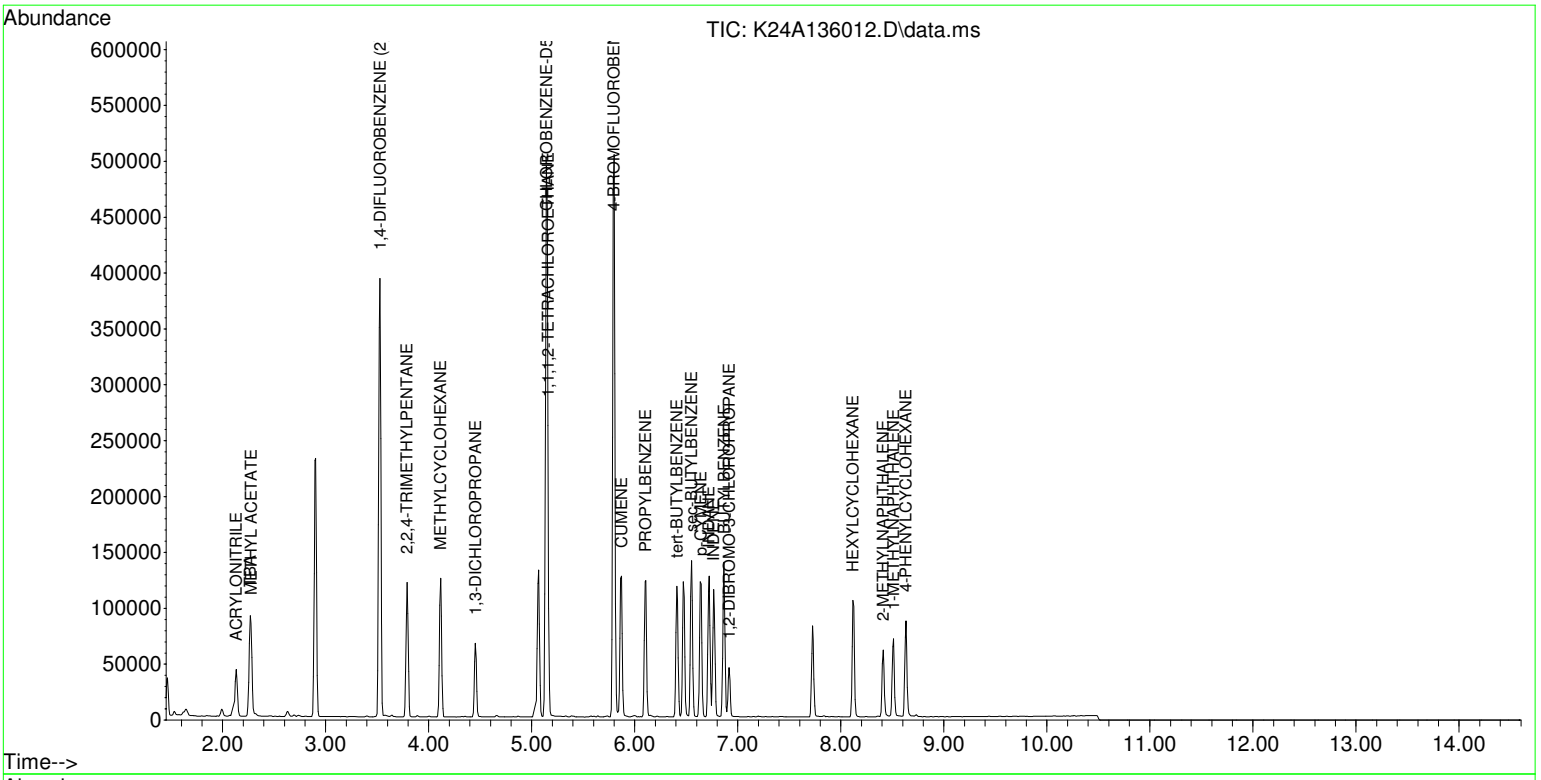
Quant Time: May 31 14:33:23 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX051524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed May 15 09:37:36 2024
Response via : Initial Calibration

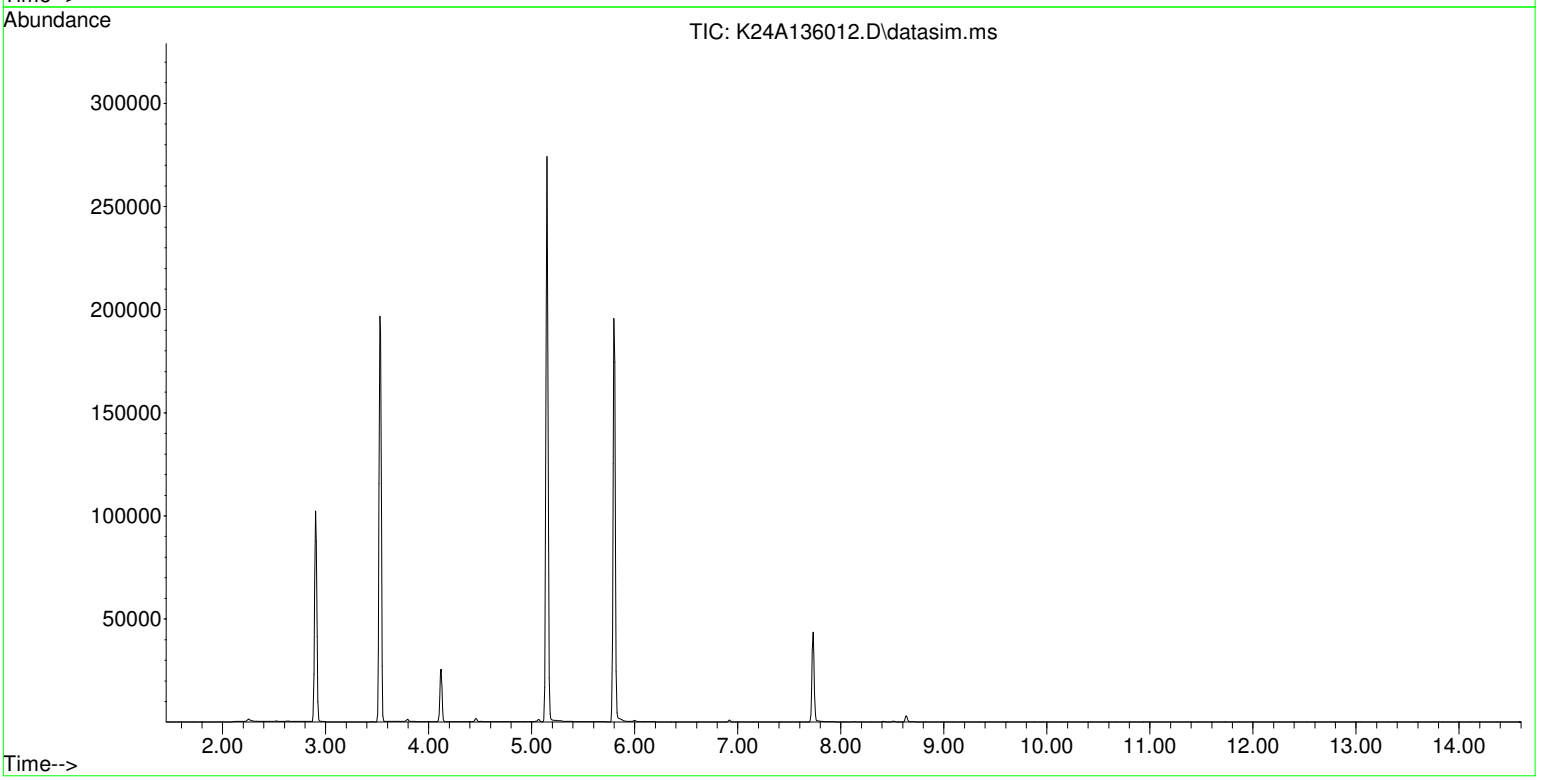
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-DIFLUOROBENZENE (2)	3.528	114	240598	8.000	PPBV		0.00
7) CHLOROBENZENE-D5 (2)	5.142	54	51770	8.000	PPBV		0.00
System Monitoring Compounds							
10) 4-BROMOFLUOROBENZENE (2)	5.799	174	111500	7.897	PPBV		0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 98.75%				
Target Compounds							Qvalue
2) ACRYLONITRILE	2.132	53	35620	2.864	PPBV		96
3) METHYL ACETATE	2.276	43	46066	2.167	PPBV		90
4) TBA	2.268	59	54704	2.211	PPBV		93
5) 2,2,4-TRIMETHYLPENTANE	3.791	57	82471	1.373	PPBV		93
6) METHYLCYCLOHEXANE	4.115	83	35289	1.618	PPBV	#	74
8) 1,3-DICHLOROPROPANE	4.454	76	34706	1.310	PPBV	#	64
9) 1,1,1,2-TETRACHLOROETHANE	5.157	131	15950	1.587	PPBV		97
11) CUMENE	5.871	105	74544	1.127	PPBV		99
12) PROPYLBENZENE	6.107	120	18256	1.269	PPBV	#	88
13) tert-BUTYLBENZENE	6.407	134	10379	1.072	PPBV	#	94
14) sec-BUTYLBENZENE	6.551	105	84344	1.202	PPBV		95
15) p-CYMENE	6.644	119	65442	1.184	PPBV		99
16) INDANE	6.722	117	56809	1.267	PPBV		94
17) INDENE	6.765	115	54194	1.447	PPBV		96
18) BUTYLBENZENE	6.866	91	72926	1.160	PPBV		97
19) 1,2-DIBROMO-3-CHLOROPR...	6.916	157	10034	0.806	PPBv		95
20) HEXYLCYCLOHEXANE	8.118	83	31590	0.995	PPBV	#	79
21) 2-METHYLNAPHTHALENE	8.410	142	26396	1.537	UG/L		97
22) 1-METHYLNAPHTHALENE	8.510	142	29309	1.390	UG/L		99
23) 4-PHENYLCYCLOHEXANE	8.632	104	49347	1.275	UG/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K051524\
Data File : K24A136012.D
Acq On : 15 May 2024 09:58 am
Operator : CMR
Sample : 6.25ug-m3 ICV Inst : SYSK
Misc : CTWS-4203-1812 06/04
ALS Vial : 1 Sample Multiplier: 1
InstName : SYSK

Quant Time: May 31 14:33:23 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX051524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed May 15 09:37:36 2024
Response via : Initial Calibration





7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

EPA TO-15

Laboratory:	Pace New England	Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY	Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1
Instrument ID:	SYSK	Calibration:	2400609
Lab File ID:	K24A170003.D	Calibration Date:	04/15/24 00:00
Sequence:	S106148	Injection Date:	06/18/24
Lab Sample ID:	S106148-CCV1	Injection Time:	11:05

		CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Benzene	A	5.00	4.16	0.8125705	0.6762676		-16.8	30	
Benzyl chloride	Q	5.00	4.62	0.6050113	0.6520086		-7.6	30	
Bromodichloromethane	A	5.00	4.02	0.6600421	0.5309054		-19.6	30	
Bromoform	A	5.00	6.20	0.4582029	0.568142		24.0	30	
Bromomethane	A	5.00	4.80	0.5997196	0.575585		-4.0	30	
2-Butanone (MEK)	A	5.00	3.53	1.437234	1.014233		-29.4	30	
Carbon Tetrachloride	A	5.00	4.73	0.5360304	0.5069214		-5.4	30	
Chlorobenzene	A	5.00	4.22	0.8437425	0.7128815		-15.5	30	
Chloroethane	A	5.00	4.20	0.3972731	0.3332941		-16.1	30	
Chloroform	A	5.00	4.36	1.488916	1.299499		-12.7	30	
Chloromethane	A	5.00	3.56	0.7669907	0.5459999		-28.8	30	
Cyclohexane	A	5.00	3.78	0.3462023	0.2616331		-24.4	30	
Dibromochloromethane	A	5.00	5.19	0.5803333	0.6025961		3.8	30	
1,2-Dibromoethane (EDB)	A	5.00	4.26	0.559033	0.4766271		-14.7	30	
1,2-Dichlorobenzene	A	5.00	5.71	0.5815736	0.6644523		14.3	30	
1,3-Dichlorobenzene	A	5.00	5.87	0.6669087	0.7824264		17.3	30	
1,4-Dichlorobenzene	A	5.00	5.65	0.5759686	0.6513316		13.1	30	
Dichlorodifluoromethane (Freon 12)	A	5.00	4.38	1.759801	1.541752		-12.4	30	
1,1-Dichloroethane	A	5.00	3.36	1.482462	0.995848		-32.8	30	*
1,2-Dichloroethane	A	5.00	3.87	1.048043	0.8109407		-22.6	30	
1,1-Dichloroethylene	A	5.00	3.87	1.292964	1.00019		-22.6	30	
cis-1,2-Dichloroethylene	A	5.00	4.00	1.006326	0.8049661		-20.0	30	
trans-1,2-Dichloroethylene	A	5.00	3.24	1.230032	0.7967437		-35.2	30	*
1,2-Dichloropropane	A	5.00	3.54	0.3627084	0.2568305		-29.2	30	
cis-1,3-Dichloropropene	A	5.00	4.06	0.4994679	0.4054718		-18.8	30	
trans-1,3-Dichloropropene	A	5.00	4.23	0.362027	0.3064018		-15.4	30	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	A	5.00	4.59	1.741838	1.597618		-8.3	30	
1,4-Dioxane	A	5.00	4.98	0.1289199	0.1283282		-0.5	30	
Ethanol	A	5.00	5.14	0.1510718	0.1552645		2.8	30	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

EPA TO-15

Laboratory:	Pace New England	Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY	Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1
Instrument ID:	SYSK	Calibration:	2400609
Lab File ID:	K24A170003.D	Calibration Date:	04/15/24 00:00
Sequence:	S106148	Injection Date:	06/18/24
Lab Sample ID:	S106148-CCV1	Injection Time:	11:05

		CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Ethylbenzene	A	5.00	4.06	1.341114	1.089177		-18.8	30
Heptane	A	5.00	3.62	0.2939088	0.2130194		-27.5	30
Hexachlorobutadiene	A	5.00	6.05	0.3974328	0.4807213		21.0	30
Hexane	A	5.00	4.03	0.7974254	0.6422093		-19.5	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	3.66	1.842859	1.348276		-26.8	30
Methylene Chloride	A	5.00	4.12	0.8905306	0.7342499		-17.5	30
4-Methyl-2-pentanone (MIBK)	A	5.00	3.76	0.2515395	0.1893764		-24.7	30
Naphthalene	A	5.00	5.25	0.7696101	0.80787		5.0	30
Styrene	A	5.00	4.34	0.6931352	0.6020884		-13.1	30
1,1,2,2-Tetrachloroethane	A	5.00	4.45	0.7949978	0.7078282		-11.0	30
Tetrachloroethylene	A	5.00	5.05	0.4393819	0.4436963		1.0	30
Toluene	A	5.00	3.99	1.064963	0.8504078		-20.1	30
1,2,4-Trichlorobenzene	A	5.00	5.56	0.3145178	0.3500778		11.3	30
1,1,1-Trichloroethane	A	5.00	3.94	0.5920208	0.4670351		-21.1	30
1,1,2-Trichloroethane	A	5.00	4.37	0.3639298	0.3183881		-12.5	30
Trichloroethylene	A	5.00	4.06	0.382826	0.3106531		-18.9	30
Trichlorofluoromethane (Freon 11)	A	5.00	4.60	1.690812	1.555661		-8.0	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	5.00	4.66	1.343977	1.252105		-6.8	30
1,2,4-Trimethylbenzene	A	5.00	4.38	1.072241	0.9385458		-12.5	30
1,3,5-Trimethylbenzene	A	5.00	4.66	0.9923743	0.925288		-6.8	30
Vinyl Chloride	A	5.00	3.95	0.7854419	0.6200973		-21.1	30
m&p-Xylene	A	10.0	8.62	1.08204	0.9329888		-13.8	30
o-Xylene	A	5.00	4.36	1.04291	0.9097413		-12.8	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170003.D
Acq On : 18 Jun 2024 11:05 am
Operator : CMR
Sample : 5.0PPBv CCV Inst : SYSK
Misc : CTWS-4214-2475 07/17
ALS Vial : 2 Sample Multiplier: 1
InstName : SYSK

Quant Time: Jun 19 11:01:59 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Apr 23 10:16:53 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.903	49	83285m	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.527	114	220547m	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.149	117	198525	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.909	49	83699m	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.533	114	231538	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.148	117	206507	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.799	174	119433	9.043	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 113.00%			
88) 4-BROMOFLUOROBENZENE (...	5.798	174	122487	9.039	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 113.00%			
Target Compounds						Qvalue
2) PROPENE	1.530	41	25607	6.277	PPBV	98
3) DICHLORODIFLUOROMETHANE	1.545	85	80253	4.380	PPBV	99
4) CHLOROMETHANE	1.587	50	28421m	3.559	PPBV	
5) FREON 114	1.616	85	83161	4.586	PPBV	85
6) VINYL CHLORIDE	1.651	62	32278	3.947	PPBV	99
7) 1,3-BUTADIENE	1.687	54	23544m	3.920	PPBV	
8) BROMOMETHANE	1.765	94	29961	4.799	PPBV	98
9) CHLOROETHANE	1.815	64	17349	4.195	PPBV	98
10) ACROLEIN	1.951	56	13026	4.109	PPBV	98
11) ACETONE	1.986	43	46707	4.541	PPBV	93
12) TRICHLOROFLUOROMETHANE	2.043	101	80977	4.600	PPBV	97
13) ETHANOL	1.844	45	8082	5.139	PPBV	98
14) 1,1-DICHLOROETHENE	2.245	61	52063	3.868	PPBV	89
15) METHYLENE CHLORIDE	2.283	49	38220	4.123	PPBV	84
16) FREON 113	2.374	101	65176	4.658	PPBV	74
17) CARBON DISULFIDE	2.381	76	88799	4.661	PPBV	100
18) TRANS-1,2-DICHLOROETHENE	2.563	61	41473	3.239	PPBV	76
19) 1,1-DICHLOROETHANE	2.616	63	51837m	3.359	PPBV	
20) MTBE	2.639	73	70182	3.658	PPBV	94
21) IPA	2.065	45	68315	4.677	PPBV	97
22) 2-BUTANONE(MEK)	2.729	43	52794	3.528	PPBV	86
23) CIS-1,2-DICHLOROETHENE	2.858	61	41901	4.000	PPBV	87
24) VINYL ACETATE	2.661	43	53377m	2.893	PPBV	
25) HEXANE	2.926	41	33429m	4.027	PPBV	
26) ETHYL ACETATE	2.934	45	9138	4.342	PPBV	93
27) CHLOROFORM	2.941	83	67643m	4.364	PPBV	
28) TETRAHYDROFURAN	3.066	42	27771	4.590	PPBV	96
29) 1,2-DICHLOROETHANE	3.166	62	42212	3.869	PPBV	98
31) 1,1,1-TRICHLOROETHANE	3.251	97	64377	3.944	PPBV	95
32) BENZENE	3.400	78	93218	4.161	PPBV	94
33) CARBON TETRACHLORIDE	3.452	117	69875	4.728	PPBV	99
34) CYCLOHEXANE	3.497	84	36064	3.779	PPBV	92
35) 1,2-DICHLOROPROPANE	3.682	63	35402	3.540	PPBV	98
36) BROMODICHLOROMETHANE	3.747	83	73181	4.022	PPBV	99
37) TRICHLOROETHENE	3.769	95	42821	4.057	PPBV	83
38) 1,4-DIOXANE	3.769	88	17689	4.977	PPBV	89
39) METHYLMETHACRYLATE	3.848	69	32062	4.302	PPBV	84

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170003.D
Acq On : 18 Jun 2024 11:05 am
Operator : CMR
Sample : 5.0PPBv CCV Inst : SYSK
Misc : CTWS-4214-2475 07/17
ALS Vial : 2 Sample Multiplier: 1
InstName : SYSK

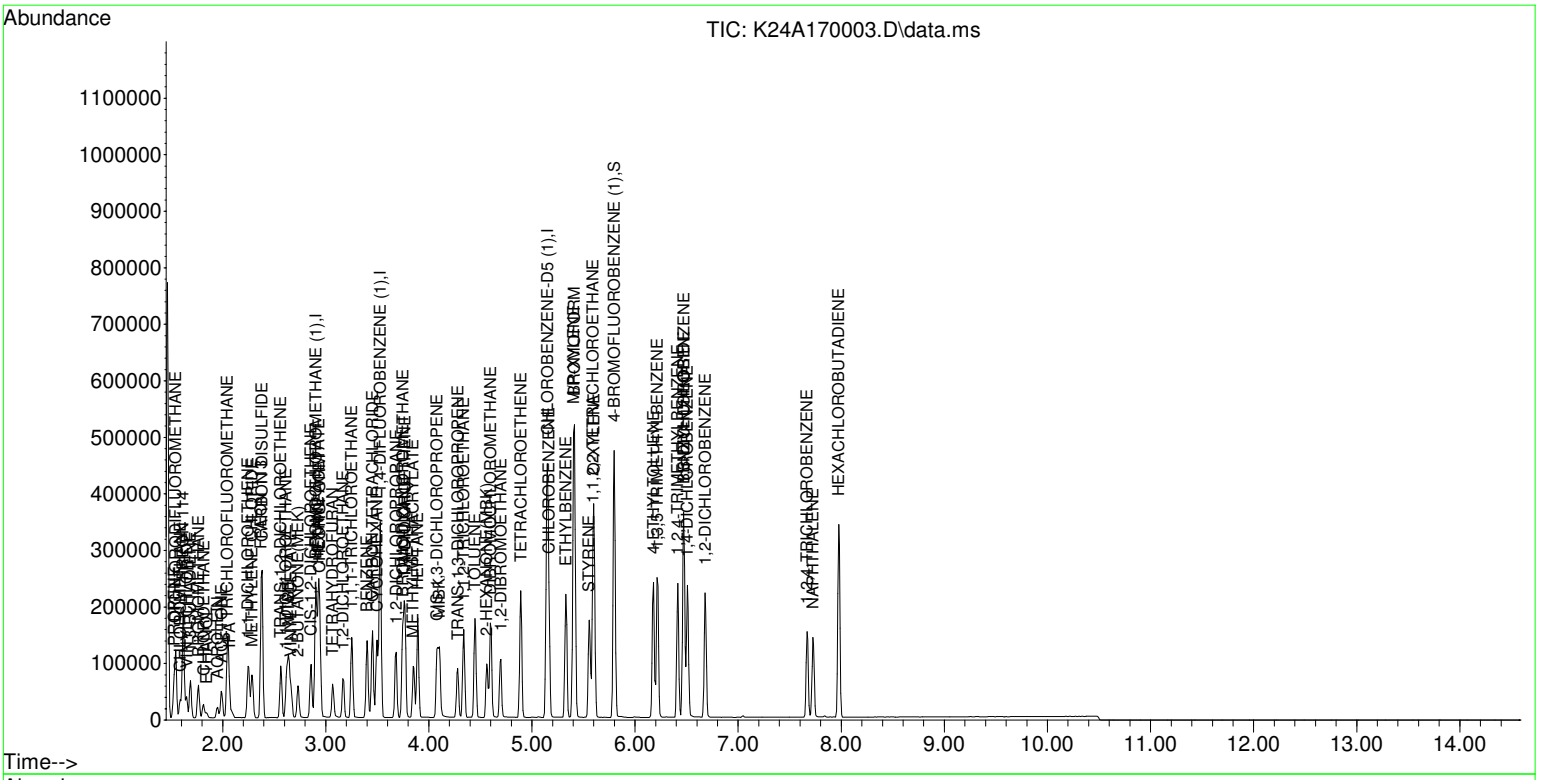
Quant Time: Jun 19 11:01:59 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Apr 23 10:16:53 2024
Response via : Initial Calibration

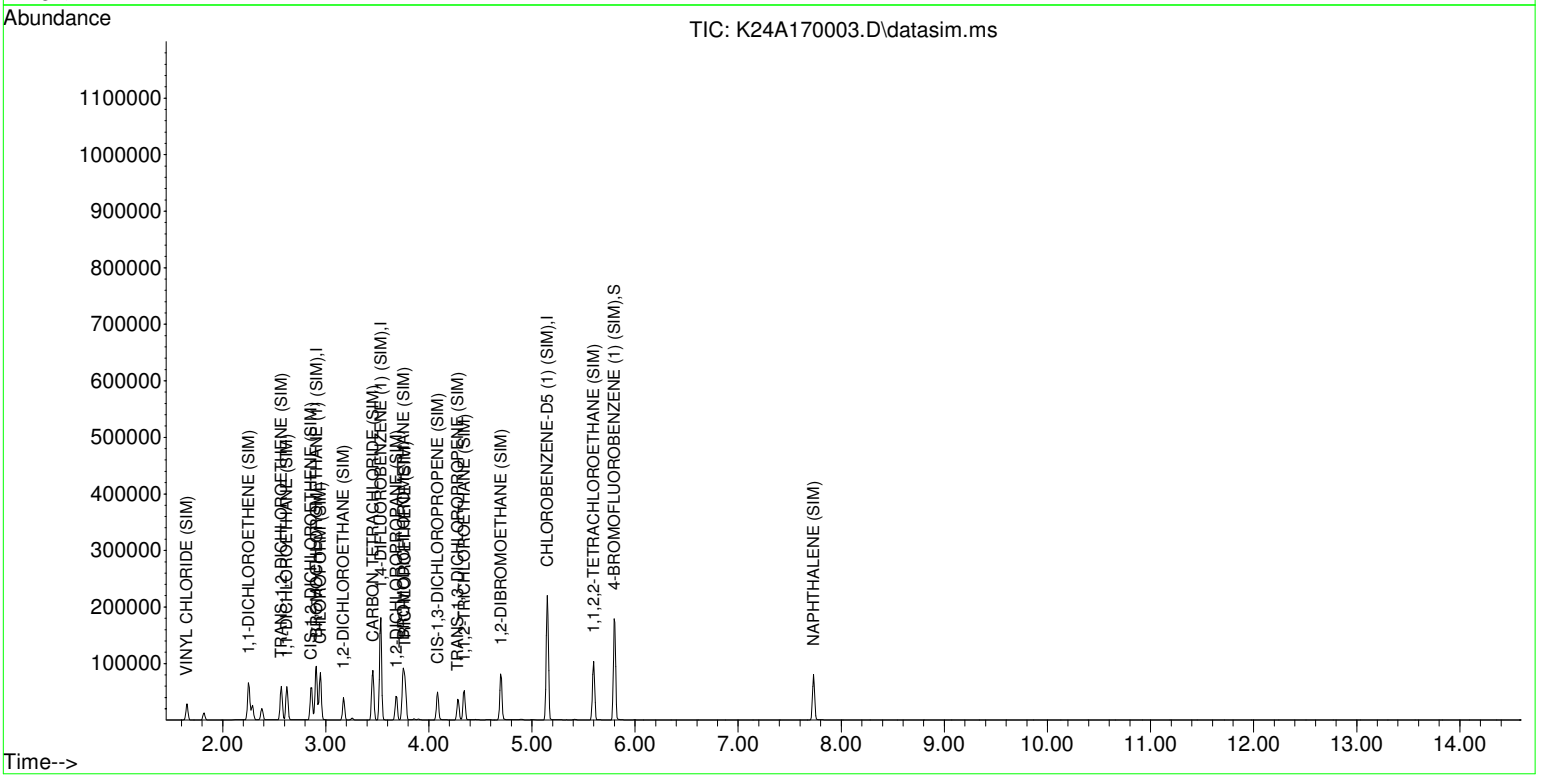
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) HEPTANE	3.891	57	29363	3.624	PPBV	96
41) MIBK	4.101	58	26104	3.764	PPBV	93
42) CIS-1,3-DICHLOROPROPENE	4.079	75	55891	4.059	PPBV	91
43) TRANS-1,3-DICHLOROPROPENE	4.281	75	42235	4.232	PPBV	92
45) 1,1,2-TRICHLOROETHANE	4.338	97	39505	4.374	PPBV	95
46) TOLUENE	4.446	91	105517	3.993	PPBV	99
47) 2-HEXANONE(MBK)	4.561	43	58135	3.849	PPBV	98
48) DIBROMOCHLOROMETHANE	4.597	129	74769	5.192	PPBV	100
49) 1,2-DIBROMOETHANE	4.698	107	59139	4.263	PPBV	97
50) TETRACHLOROETHENE	4.892	166	55053	5.049	PPBV	92
51) CHLOROBENZENE	5.164	112	88453	4.225	PPBV	91
52) ETHYLBENZENE	5.330	91	135143	4.061	PPBV	96
53) M/P-XYLENE	5.405	91	231527	8.622	PPBV	97
54) BROMOFORM	5.412	173	70494	6.200	PPBV	100
55) STYRENE	5.555	104	74706	4.343	PPBV	90
56) O-XYLENE	5.600	91	112879	4.362	PPBV	95
57) 1,1,2,2-TETRACHLOROETHANE	5.592	83	87826	4.452	PPBV	99
59) 4-ETHYLTOLUENE	6.178	105	139359	4.170	PPBV	100
60) 1,3,5-TRIMETHYLBENZENE	6.214	105	114808	4.662	PPBV	93
61) 1,2,4-TRIMETHYLBENZENE	6.414	105	116453	4.377	PPBV #	96
62) 1,3-DICHLOROBENZENE	6.472	146	97082	5.866	PPBV	94
63) BENZYL CHLORIDE	6.472	91	80900	4.620	PPBV	92
64) 1,4-DICHLOROBENZENE	6.508	146	80816	5.654	PPBV	94
65) 1,2-DICHLOROBENZENE	6.679	146	82444	5.713	PPBV	96
66) 1,2,4-TRICHLOROBENZENE	7.668	180	43437	5.565	PPBV	97
67) NAPHTHALENE	7.725	128	100239	5.249	PPBV	97
68) HEXACHLOROBUTADIENE	7.975	225	59647	6.048	PPBV	96
70] VINYL CHLORIDE (SIM)	1.650	62	31855	3.606	PPBV	99
71] 1,1-DICHLOROETHENE (SIM)	2.251	61	52715	3.661	PPBV	91
72] TRANS-1,2-DICHLOROETHE...	2.569	61	41773	3.009	PPBV	74
73] 1,1-DICHLOROETHANE (SIM)	2.622	63	51850	3.060	PPBV	98
74] CIS-1,2-DICHLOROETHENE...	2.856	61	42158	3.734	PPBV	81
75] CHLOROFORM (SIM)	2.947	83	68307	4.658	PPBV	98
76] 1,2-DICHLOROETHANE (SIM)	3.172	62	43005m	3.600	PPBV	
78] CARBON TETRACHLORIDE (...	3.458	117	67666	4.205	PPBV	100
79] 1,2-DICHLOROPROPANE (SIM)	3.681	63	36429	3.347	PPBV	99
80] BROMODICHLOROMETHANE (...	3.753	83	73149	3.725	PPBV	99
81] TRICHLOROETHENE (SIM)	3.767	95	42242	3.695	PPBV	85
82] CIS-1,3-DICHLOROPROPEN...	4.085	75	56234	3.712	PPBV	91
83] TRANS-1,3-DICHLOROPROP...	4.279	75	42928	3.724	PPBV	92
85] 1,1,2-TRICHLOROETHANE ...	4.344	97	41247	3.984	PPBV	93
86] 1,2-DIBROMOETHANE (SIM)	4.697	107	61438	4.142	PPBV	100
87] 1,1,2,2-TETRACHLOROETH...	5.598	83	91976	4.251	PPBV	99
89] NAPHTHALENE (SIM)	7.730	128	108867	5.062	PPBV	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170003.D
Acq On : 18 Jun 2024 11:05 am
Operator : CMR
Sample : 5.0PPBv CCV Inst : SYSK
Misc : CTWS-4214-2475 07/17
ALS Vial : 2 Sample Multiplier: 1
InstName : SYSK

Quant Time: Jun 19 11:01:59 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Apr 23 10:16:53 2024
Response via : Initial Calibration

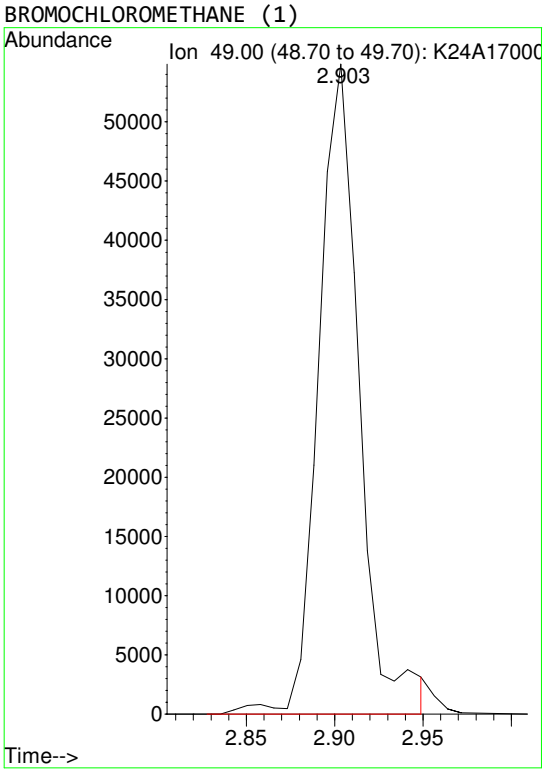




Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170003.D
Acq On : 18 Jun 2024 11:05 am
Operator : CMR
Sample : 5.0PPBv CCV
Misc : CTWS-4214-2475 07/17

Quant Time : Wed Jun 19 11:04:12 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
BROMOCHLOROMETHANE (1)



Original Int. Results

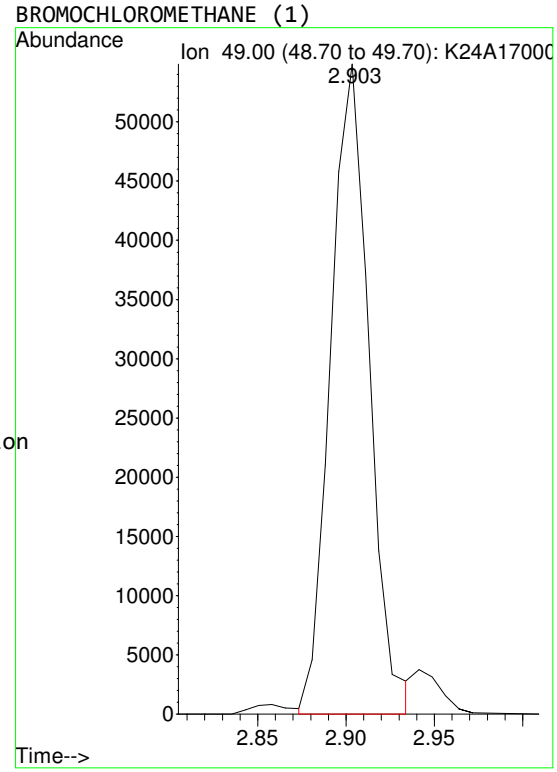
RT : 2.90
Area : 87722
Amount: 8

Manual Int. Results

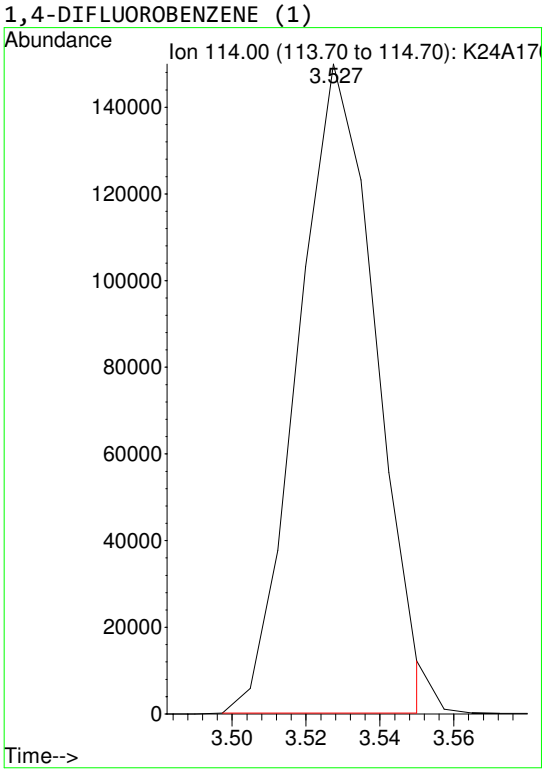
Wed Jun 19 11:02:32 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 2.90
Area : 83285
Amount: 8

Manual Integration
BROMOCHLOROMETHANE (1)



Original Integration
1,4-DIFLUOROBENZENE (1)



Original Int. Results

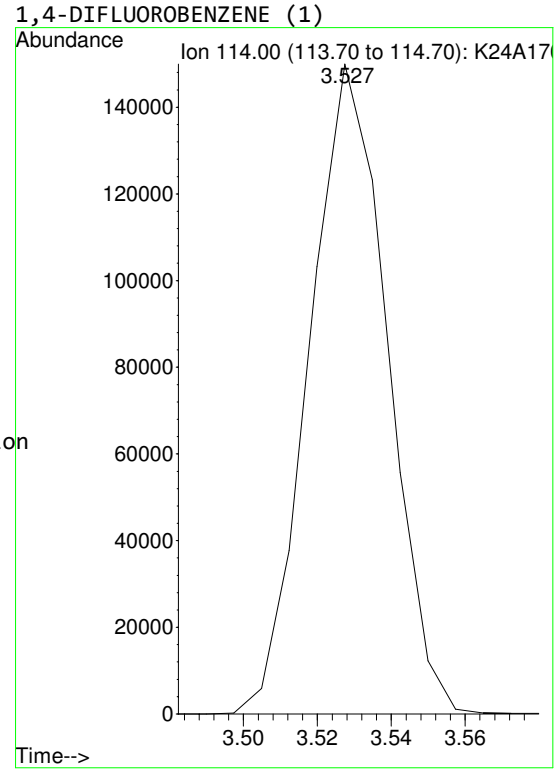
RT : 3.53
Area : 218999
Amount: 8

Manual Int. Results

Wed Jun 19 11:03:28 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 3.53
Area : 220547
Amount: 8

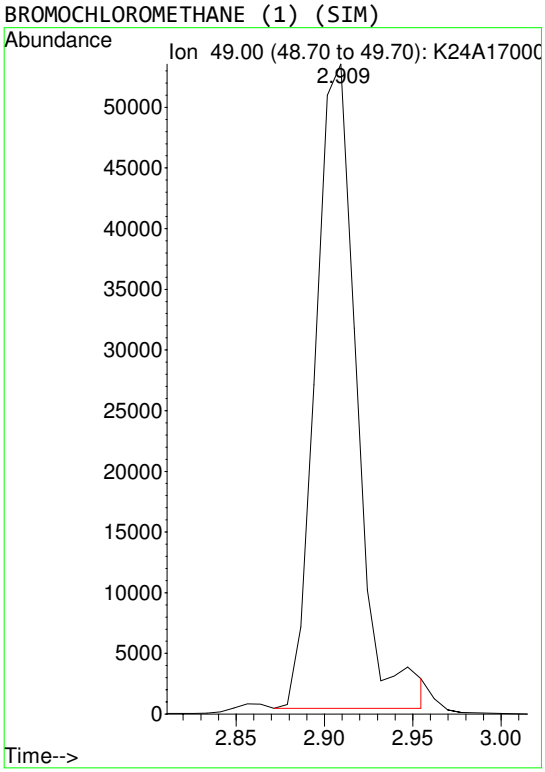
Manual Integration
1,4-DIFLUOROBENZENE (1)



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170003.D
Acq On : 18 Jun 2024 11:05 am
Operator : CMR
Sample : 5.0PPBv CCV
Misc : CTWS-4214-2475 07/17

Quant Time : Wed Jun 19 11:04:12 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
BROMOCHLOROMETHANE (1) (SIM)



Original Int. Results

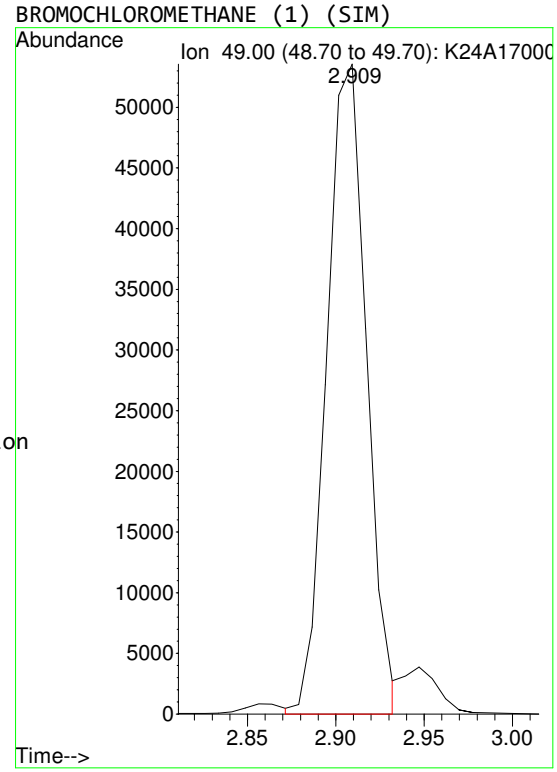
RT : 2.91
Area : 85821
Amount: 8

Manual Int. Results

Wed Jun 19 11:03:54 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 2.91
Area : 83699
Amount: 8

Manual Integration
BROMOCHLOROMETHANE (1) (SIM)



7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

EPA TO-15

Laboratory:	Pace New England	Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY	Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1
Instrument ID:	SYSK	Calibration:	2400609
Lab File ID:	K24A170005.D	Calibration Date:	04/15/24 00:00
Sequence:	S106148	Injection Date:	06/18/24
Lab Sample ID:	S106148-CCV2	Injection Time:	12:04

		CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
tert-Butyl Alcohol (TBA)	A	2.06	1.86	0.8229674	0.7441998		-9.6	30
2,2,4-Trimethylpentane	A	1.34	1.12	1.996574	1.66209		-16.8	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170005.D
Acq On : 18 Jun 2024 12:04 pm
Operator : CMR
Sample : 6.25ug-m3 CCV Inst : SYSK
Misc : CTWS-4209-2055 07/05
ALS Vial : 4 Sample Multiplier: 1
InstName : SYSK

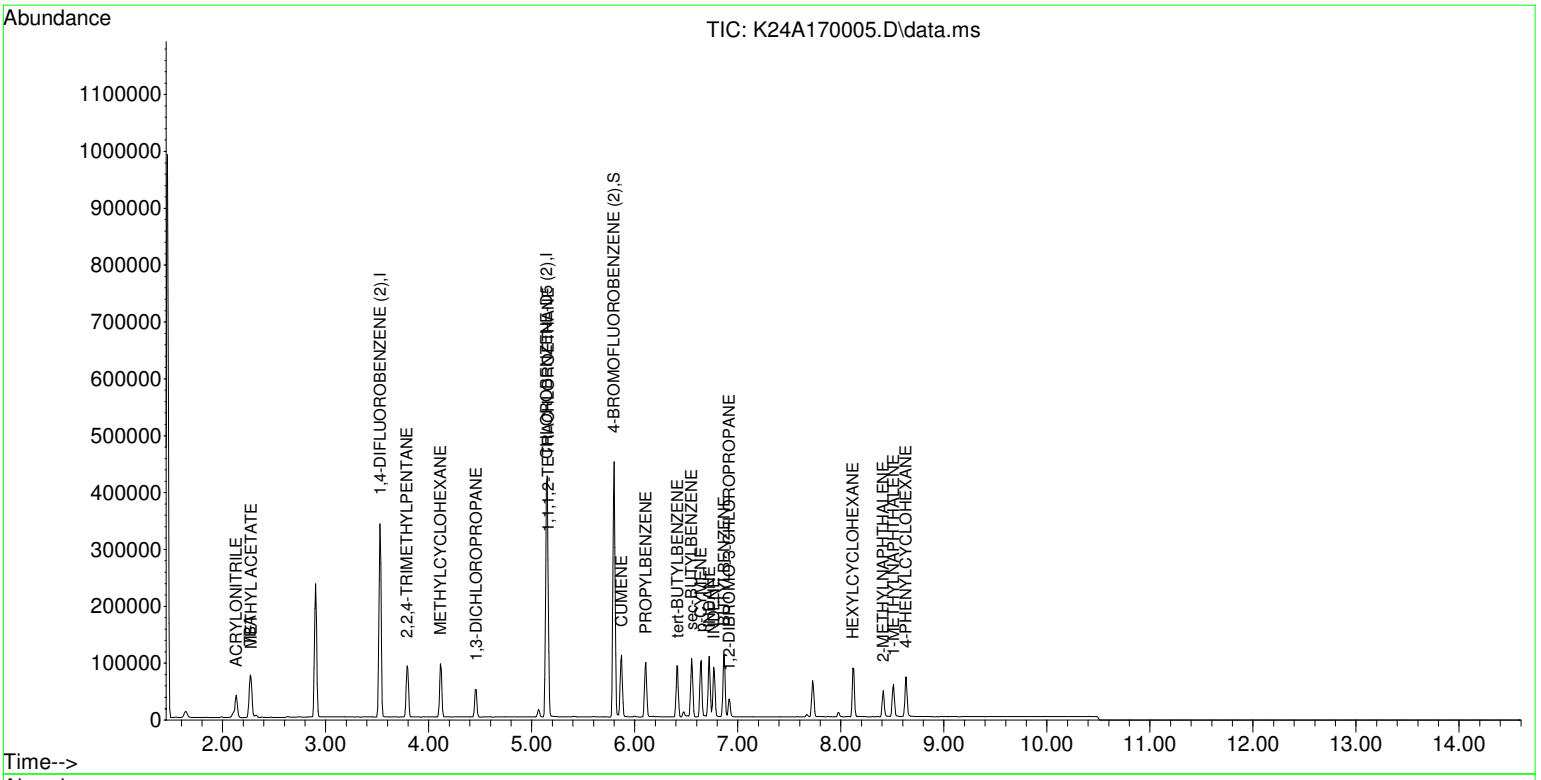
Quant Time: Jun 19 11:55:14 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX051524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed May 15 09:37:36 2024
Response via : Initial Calibration

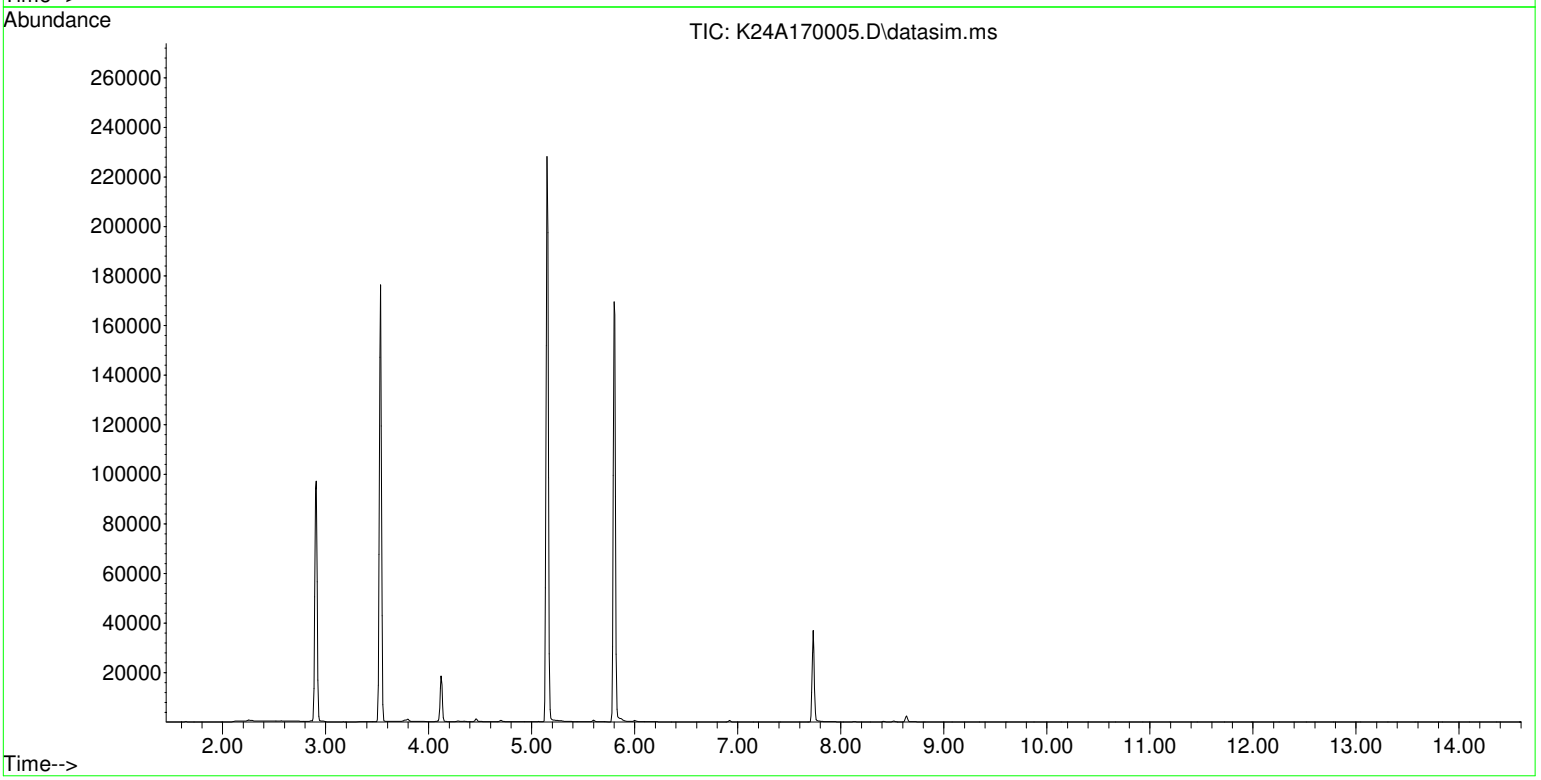
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-DIFLUOROBENZENE (2)	3.527	114	215043	8.000	PPBV		0.00
7) CHLOROBENZENE-D5 (2)	5.142	54	43089	8.000	PPBV		0.00
System Monitoring Compounds							
10) 4-BROMOFLUOROBENZENE (2)	5.800	174	114816	9.770	PPBV		0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 122.13%				
Target Compounds							Qvalue
2) ACRYLONITRILE	2.132	53	33271	2.993	PPBV		96
3) METHYL ACETATE	2.276	43	45181	2.377	PPBV		81
4) TBA	2.268	59	41209	1.863	PPBV		85
5) 2,2,4-TRIMETHYLPENTANE	3.790	57	59868	1.115	PPBV		97
6) METHYLCYCLOHEXANE	4.115	83	25028	1.284	PPBV	#	78
8) 1,3-DICHLOROPROPANE	4.460	76	25212	1.143	PPBV	#	74
9) 1,1,1,2-TETRACHLOROETHANE	5.157	131	15236	1.822	PPBV		98
11) CUMENE	5.872	105	62116	1.129	PPBV		96
12) PROPYLBENZENE	6.108	120	14706	1.228	PPBV		98
13) tert-BUTYLBENZENE	6.415	134	9289	1.152	PPBV	#	81
14) sec-BUTYLBENZENE	6.551	105	60588	1.038	PPBV		97
15) p-CYMENE	6.644	119	52619	1.144	PPBV		93
16) INDANE	6.723	117	48414	1.297	PPBV		94
17) INDENE	6.766	115	43568	1.397	PPBV		97
18) BUTYLBENZENE	6.866	91	56138	1.073	PPBV		97
19) 1,2-DIBROMO-3-CHLOROPR...	6.916	157	8086	0.780	PPBv	#	85
20) HEXYLCYCLOHEXANE	8.118	83	25011	0.947	PPBV	#	78
21) 2-METHYLNAPHTHALENE	8.411	142	22017	1.541	UG/L		91
22) 1-METHYLNAPHTHALENE	8.511	142	25367	1.445	UG/L		96
23) 4-PHENYLCYCLOHEXANE	8.633	104	40031	1.243	UG/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170005.D
Acq On : 18 Jun 2024 12:04 pm
Operator : CMR
Sample : 6.25ug-m3 CCV Inst : SYSK
Misc : CTWS-4209-2055 07/05
ALS Vial : 4 Sample Multiplier: 1
InstName : SYSK

Quant Time: Jun 19 11:55:14 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX051524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed May 15 09:37:36 2024
Response via : Initial Calibration





8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY	Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1
Sequence:	S106148	Instrument:	SYSK
		Calibration:	2400609

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S106148-CCV1)			*Lab File ID: K24A170003.D*			*Analyzed: 06/18/24 11:05*			
Bromochloromethane (1)	83285	2.903				60 - 140		+/-0.50	
1,4-Difluorobenzene (1)	220547	3.527				60 - 140		+/-0.50	
Chlorobenzene-d5 (1)	198525	5.149				60 - 140		+/-0.50	
LCS (B377758-BS1)			*Lab File ID: K24A170004.D*			*Analyzed: 06/18/24 11:34*			
Bromochloromethane (1)	83048	2.904	83285	2.903	100	60 - 140	0.0010	+/-0.50	
1,4-Difluorobenzene (1)	227738	3.527	220547	3.527	103	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	202678	5.142	198525	5.149	102	60 - 140	-0.0070	+/-0.50	
Calibration Check (S106148-CCV2)			*Lab File ID: K24A170005.D*			*Analyzed: 06/18/24 12:04*			
1,4-Difluorobenzene (2)	215043	3.527				60 - 140		+/-0.50	
Chlorobenzene-d5 (2)	43089	5.142				60 - 140		+/-0.50	
LCS (B377758-BS2)			*Lab File ID: K24A170006.D*			*Analyzed: 06/18/24 12:33*			
1,4-Difluorobenzene (2)	215781	3.527	215043	3.527	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	44159	5.142	43089	5.142	102	60 - 140	0.0000	+/-0.50	
Blank (B377758-BLK1)			*Lab File ID: K24A170009.D*			*Analyzed: 06/18/24 14:13*			
Bromochloromethane (1)	83812	2.904	83285	2.903	101	60 - 140	0.0010	+/-0.50	
1,4-Difluorobenzene (1)	207162	3.527	220547	3.527	94	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	190678	5.142	198525	5.149	96	60 - 140	-0.0070	+/-0.50	
1,4-Difluorobenzene (2)	209008	3.527	215043	3.527	97	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	41148	5.142	43089	5.142	95	60 - 140	0.0000	+/-0.50	
Indoor (24F1161-01)			*Lab File ID: K24A170010.D*			*Analyzed: 06/18/24 14:50*			
Bromochloromethane (1)	79981	2.903	83285	2.903	96	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	214185	3.527	220547	3.527	97	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	200012	5.149	198525	5.149	101	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (2)	214185	3.527	215043	3.527	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	41469	5.142	43089	5.142	96	60 - 140	0.0000	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY	Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1
Sequence:	S106148	Instrument:	SYSK
		Calibration:	2400609

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
DUP (24F1161-02)			*Lab File ID: K24A170011.D*			*Analyzed: 06/18/24 15:27*			
Bromochloromethane (1)	80876	2.903	83285	2.903	97	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	220909	3.527	220547	3.527	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	202558	5.15	198525	5.149	102	60 - 140	0.0010	+/-0.50	
1,4-Difluorobenzene (2)	220756	3.527	215043	3.527	103	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	43097	5.142	43089	5.142	100	60 - 140	0.0000	+/-0.50	
Outdoor (24F1161-03)			*Lab File ID: K24A170012.D*			*Analyzed: 06/18/24 16:04*			
Bromochloromethane (1)	81264	2.904	83285	2.903	98	60 - 140	0.0010	+/-0.50	
1,4-Difluorobenzene (1)	208172	3.528	220547	3.527	94	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1)	193182	5.15	198525	5.149	97	60 - 140	0.0010	+/-0.50	
1,4-Difluorobenzene (2)	208059	3.528	215043	3.527	97	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (2)	41254	5.142	43089	5.142	96	60 - 140	0.0000	+/-0.50	
Exhaust Grab (24F1161-04)			*Lab File ID: K24A170013.D*			*Analyzed: 06/18/24 16:42*			
Bromochloromethane (1)	82386	2.904	83285	2.903	99	60 - 140	0.0010	+/-0.50	
1,4-Difluorobenzene (1)	221782	3.535	220547	3.527	101	60 - 140	0.0080	+/-0.50	
Chlorobenzene-d5 (1)	206180	5.15	198525	5.149	104	60 - 140	0.0010	+/-0.50	
1,4-Difluorobenzene (2)	221642	3.535	215043	3.527	103	60 - 140	0.0080	+/-0.50	
Chlorobenzene-d5 (2)	44205	5.142	43089	5.142	103	60 - 140	0.0000	+/-0.50	
Duplicate (B377758-DUP1)			*Lab File ID: K24A170014.D*			*Analyzed: 06/18/24 17:18*			
Bromochloromethane (1)	81985	2.904	83285	2.903	98	60 - 140	0.0010	+/-0.50	
1,4-Difluorobenzene (1)	221796	3.528	220547	3.527	101	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (1)	205736	5.143	198525	5.149	104	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (2)	221791	3.528	215043	3.527	103	60 - 140	0.0010	+/-0.50	
Chlorobenzene-d5 (2)	44073	5.143	43089	5.142	102	60 - 140	0.0010	+/-0.50	
Exhaust Grab (24F1161-04RE1)			*Lab File ID: K24A170030.D*			*Analyzed: 06/19/24 08:41*			
Bromochloromethane (1)	79354	2.904	83285	2.903	95	60 - 140	0.0010	+/-0.50	
1,4-Difluorobenzene (1)	199209	3.527	220547	3.527	90	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	187385	5.142	198525	5.149	94	60 - 140	-0.0070	+/-0.50	
1,4-Difluorobenzene (2)	199113	3.527	215043	3.527	93	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	39588	5.142	43089	5.142	92	60 - 140	0.0000	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Laboratory:	Pace New England	Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY	Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1
Sequence:	S106148	Instrument:	SYSK
		Calibration:	2400609

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Duplicate (B377758-DUP2)			*Lab File ID: K24A170031.D*			*Analyzed: 06/19/24 09:20*			
Bromochloromethane (1)	78368	2.903	83285	2.903	94	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	198074	3.527	220547	3.527	90	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	189447	5.142	198525	5.149	95	60 - 140	-0.0070	+/-0.50	
1,4-Difluorobenzene (2)	197881	3.527	215043	3.527	92	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	38827	5.142	43089	5.142	90	60 - 140	0.0000	+/-0.50	

QC DATA

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY		Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1	
Matrix:	Air	Laboratory ID:	B377758-BLK1	File ID:	K24A170009.D
Sampled:		Prepared:	06/18/24 00:00	Analyzed:	06/18/24 14:13
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B377758	Sequence:	S106148	Calibration:	2400609
Instrument:	SYSK				
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
71-43-2	Benzene		0.011	0.034	
100-44-7	Benzyl chloride		0.017	0.069	
75-27-4	Bromodichloromethane		0.014	0.034	
75-25-2	Bromoform		0.0083	0.034	
74-83-9	Bromomethane		0.029	0.034	
78-93-3	2-Butanone (MEK)		0.67	1.4	
75-65-0	tert-Butyl Alcohol (TBA)		0.053	0.14	
56-23-5	Carbon Tetrachloride		0.027	0.034	L-03
108-90-7	Chlorobenzene		0.011	0.034	
75-00-3	Chloroethane		0.032	0.034	
67-66-3	Chloroform		0.017	0.034	
74-87-3	Chloromethane		0.046	0.069	
110-82-7	Cyclohexane		0.027	0.034	
124-48-1	Dibromochloromethane		0.023	0.034	
106-93-4	1,2-Dibromoethane (EDB)		0.021	0.034	
95-50-1	1,2-Dichlorobenzene		0.011	0.034	
541-73-1	1,3-Dichlorobenzene		0.010	0.034	
106-46-7	1,4-Dichlorobenzene		0.017	0.034	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.014	0.034	
75-34-3	1,1-Dichloroethane		0.017	0.034	L-03, V-05
107-06-2	1,2-Dichloroethane		0.013	0.034	
75-35-4	1,1-Dichloroethylene		0.024	0.034	
156-59-2	cis-1,2-Dichloroethylene		0.017	0.034	
156-60-5	trans-1,2-Dichloroethylene		0.016	0.034	L-03, V-05
78-87-5	1,2-Dichloropropane		0.026	0.034	
10061-01-5	cis-1,3-Dichloropropene		0.017	0.034	
10061-02-6	trans-1,3-Dichloropropene		0.033	0.034	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.014	0.034	
123-91-1	1,4-Dioxane		0.17	0.34	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Pace New England			Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY		Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1	
Matrix:	Air	Laboratory ID:	B377758-BLK1	File ID:	K24A170009.D
Sampled:		Prepared:	06/18/24 00:00	Analyzed:	06/18/24 14:13
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B377758	Sequence:	S106148	Calibration:	2400609
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
64-17-5	Ethanol		0.91	1.4	
100-41-4	Ethylbenzene		0.012	0.034	
142-82-5	Heptane		0.022	0.034	
87-68-3	Hexachlorobutadiene		0.020	0.034	
110-54-3	Hexane		0.72	1.4	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.017	0.034	
75-09-2	Methylene Chloride		0.093	0.34	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.016	0.034	
91-20-3	Naphthalene		0.028	0.034	
100-42-5	Styrene		0.027	0.034	
79-34-5	1,1,2,2-Tetrachloroethane		0.0085	0.034	
127-18-4	Tetrachloroethylene		0.030	0.034	
108-88-3	Toluene		0.017	0.034	
120-82-1	1,2,4-Trichlorobenzene		0.020	0.034	
71-55-6	1,1,1-Trichloroethane		0.016	0.034	
79-00-5	1,1,2-Trichloroethane		0.012	0.034	
79-01-6	Trichloroethylene		0.026	0.034	
75-69-4	Trichlorofluoromethane (Freon 11)		0.014	0.14	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.0094	0.14	
95-63-6	1,2,4-Trimethylbenzene		0.021	0.034	
108-67-8	1,3,5-Trimethylbenzene		0.026	0.034	
540-84-1	2,2,4-Trimethylpentane		0.030	0.092	
75-01-4	Vinyl Chloride		0.018	0.034	
179601-23-1	m&p-Xylene		0.023	0.069	
95-47-6	o-Xylene		0.011	0.034	

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170009.D
Acq On : 18 Jun 2024 02:13 pm
Operator : CMR
Sample : MBL 0.69X Inst : SYSK
Misc : 1,1,200,290,0.69X
ALS Vial : 7 Sample Multiplier: 1
InstName : SYSK

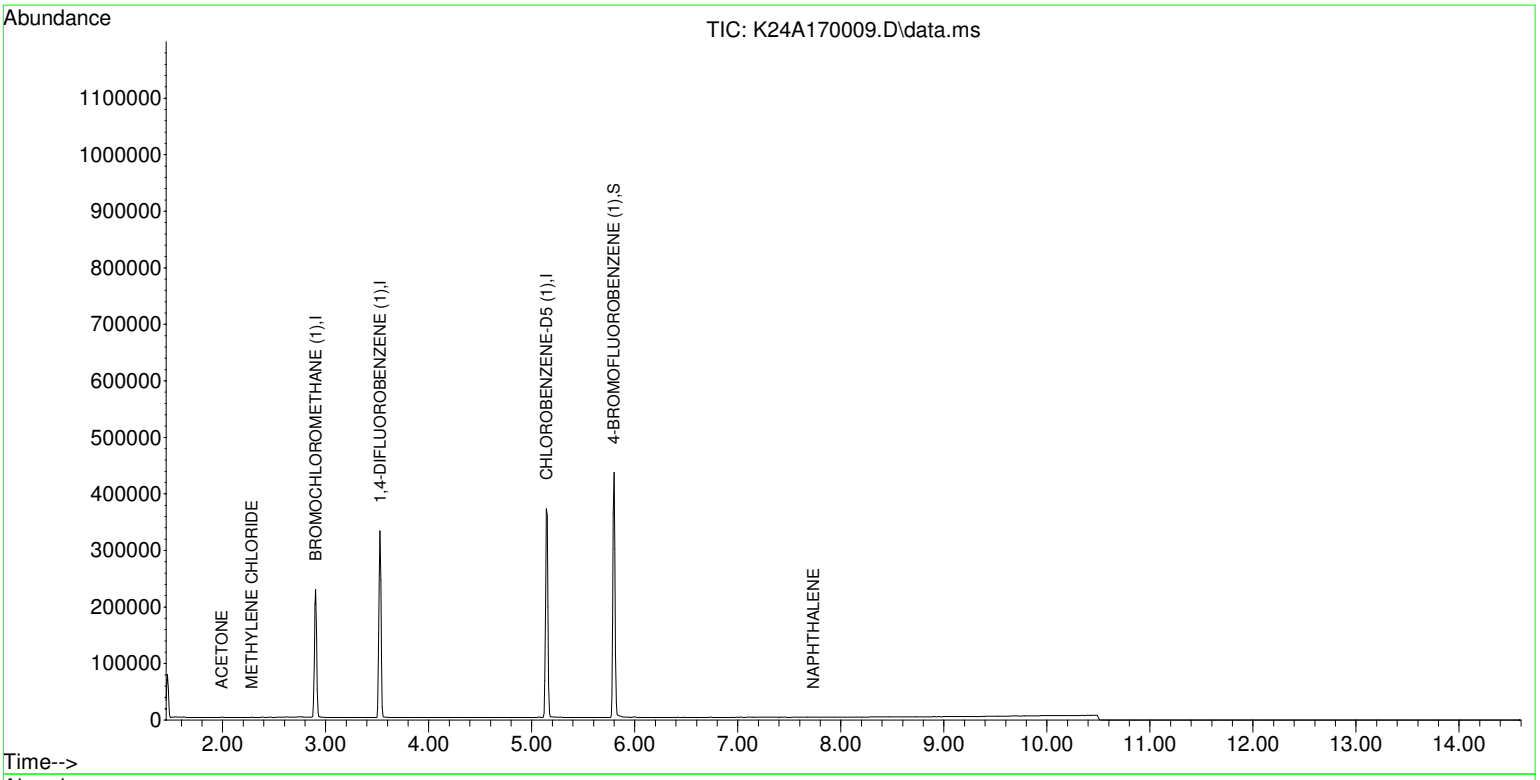
Quant Time: Jun 19 11:05:04 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Apr 23 10:16:53 2024
Response via : Initial Calibration

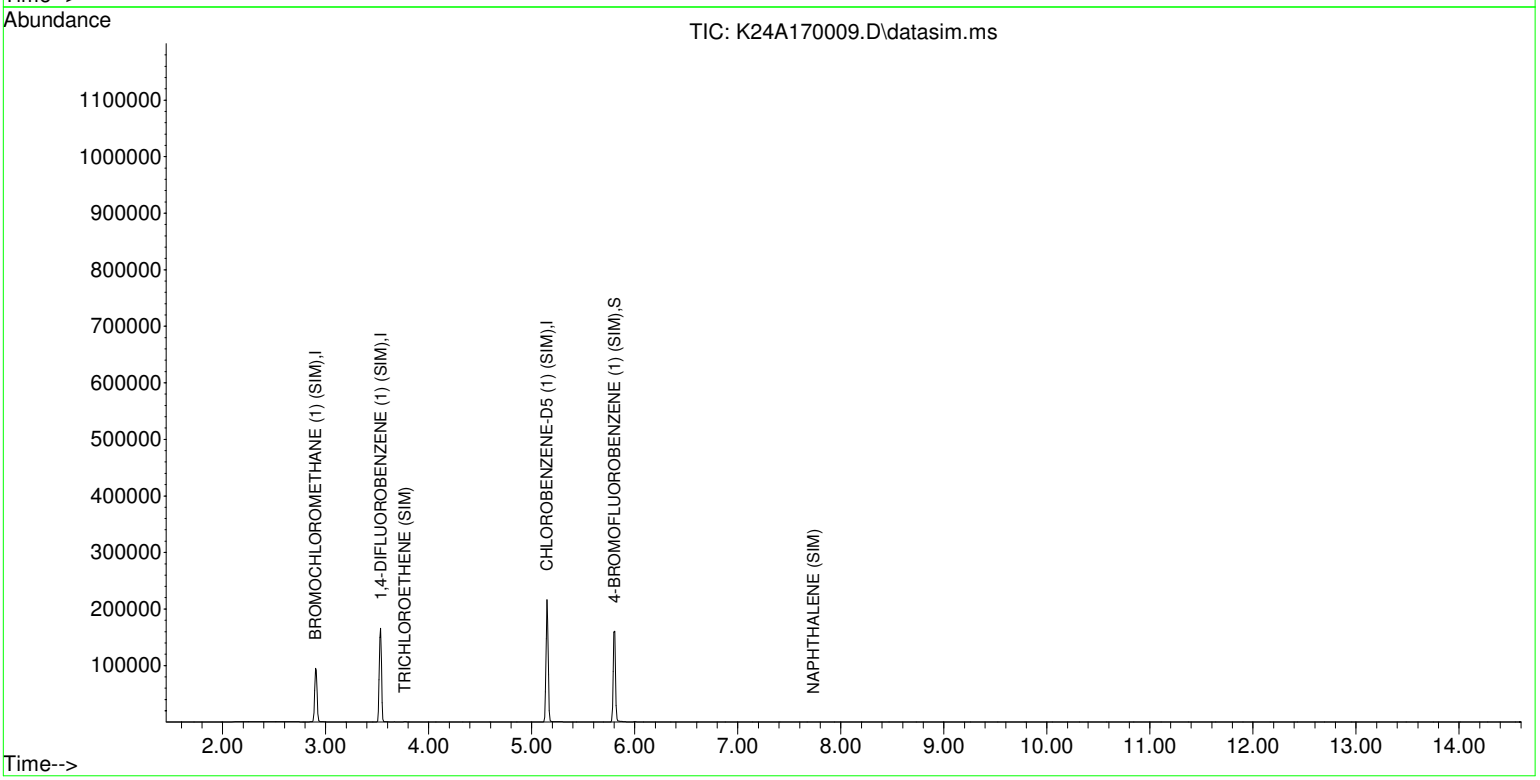
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.904	49	83812	8.000	PPBV	# 0.00
30) 1,4-DIFLUOROBENZENE (1)	3.527	114	207162	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.142	117	190678	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.902	49	84999	8.000	PPBV	# 0.00
77) 1,4-DIFLUOROBENZENE (1...	3.533	114	215162	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.148	117	202415	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.799	174	108659	8.566	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 107.13%			
88) 4-BROMOFLUOROBENZENE (...	5.805	174	112646	8.480	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 106.00%			
Target Compounds						Qvalue
11) ACETONE	1.994	43	770	0.074	PPBV	95
15) METHYLENE CHLORIDE	2.283	49	238	0.026	PPBV #	52
67) NAPHTHALENE	7.732	128	319	0.017	PPBV #	74
81] TRICHLOROETHENE (SIM)	3.767	95	156	0.015	PPBV	83
89] NAPHTHALENE (SIM)	7.738	128	445	0.021	PPBV	96

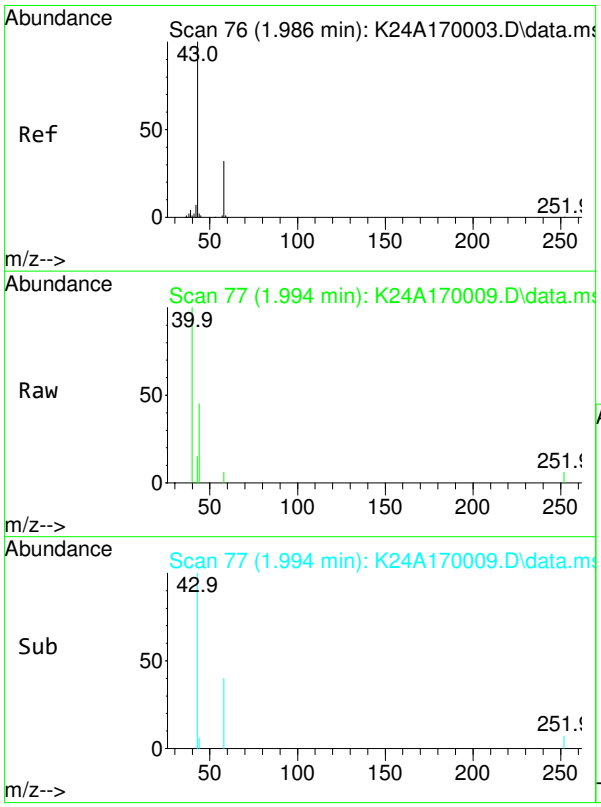
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170009.D
Acq On : 18 Jun 2024 02:13 pm
Operator : CMR
Sample : MBL 0.69X Inst : SYSK
Misc : 1,1,200,290,0.69X
ALS Vial : 7 Sample Multiplier: 1
InstName : SYSK

Quant Time: Jun 19 11:05:04 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Apr 23 10:16:53 2024
Response via : Initial Calibration



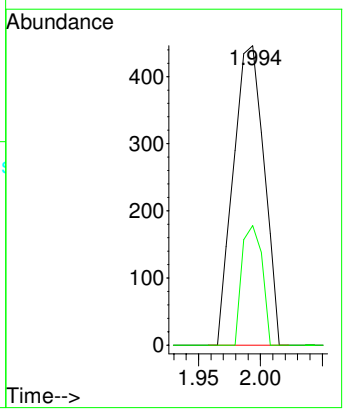


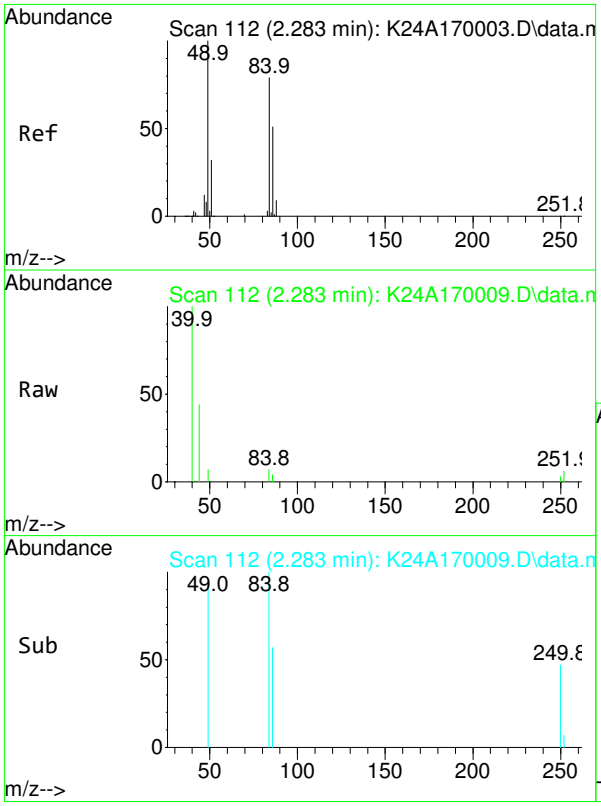


#11
ACETONE
Concen: 0.07 PPBV
RT: 1.994 min Scan# 77
Delta R.T. 0.008 min
Lab File: K24A170009.D
Acq: 18 Jun 2024 02:13 pm

Tgt Ion: 43 Resp: 770

Ion	Ratio	Lower	Upper
43	100		
58	26.2	9.1	49.1

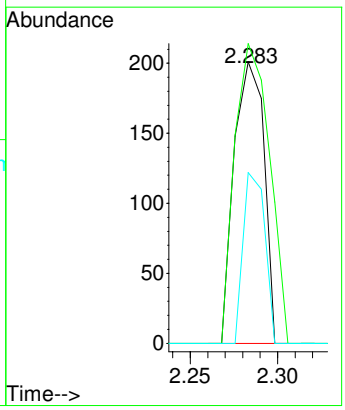


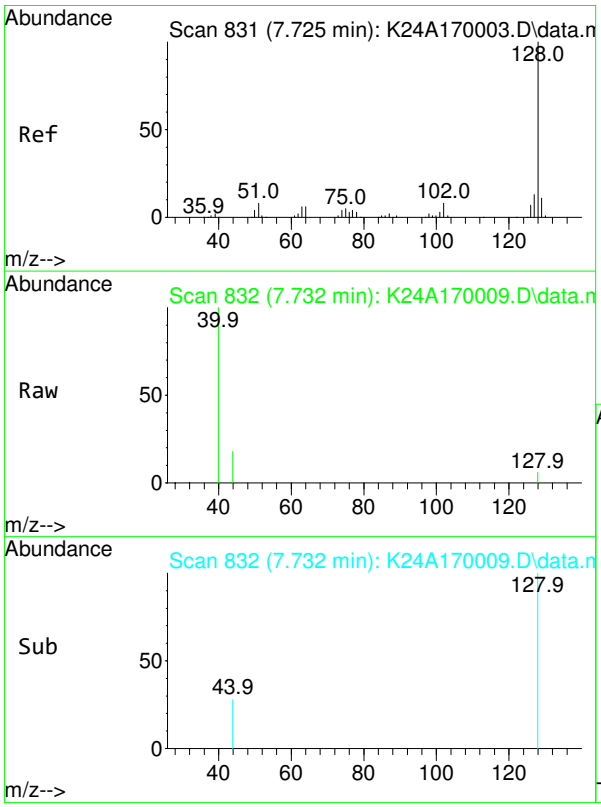


#15
METHYLENE CHLORIDE
Concen: 0.03 PPBV
RT: 2.283 min Scan# 112
Delta R.T. 0.000 min
Lab File: K24A170009.D
Acq: 18 Jun 2024 02:13 pm

Tgt Ion: 49 Resp: 238

Ion	Ratio	Lower	Upper
49	100		
84	124.4	44.5	84.5#
86	44.1	21.1	61.1

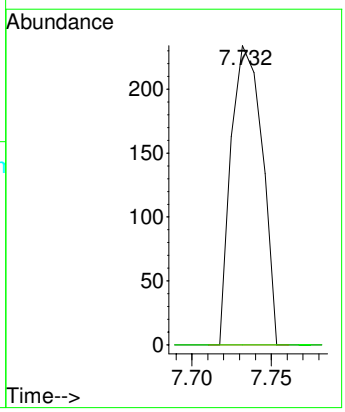


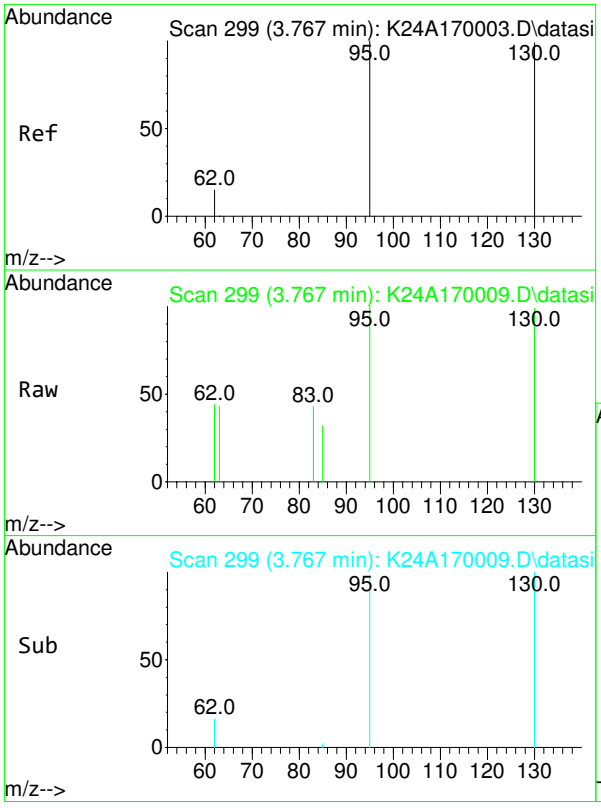


#67
NAPHTHALENE
Concen: 0.02 PPBV
RT: 7.732 min Scan# 832
Delta R.T. 0.004 min
Lab File: K24A170009.D
Acq: 18 Jun 2024 02:13 pm

Tgt Ion:128 Resp: 319

Ion	Ratio	Lower	Upper
128	100		
102	0.0	7.4	11.2#

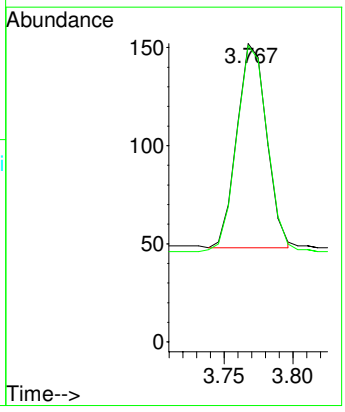


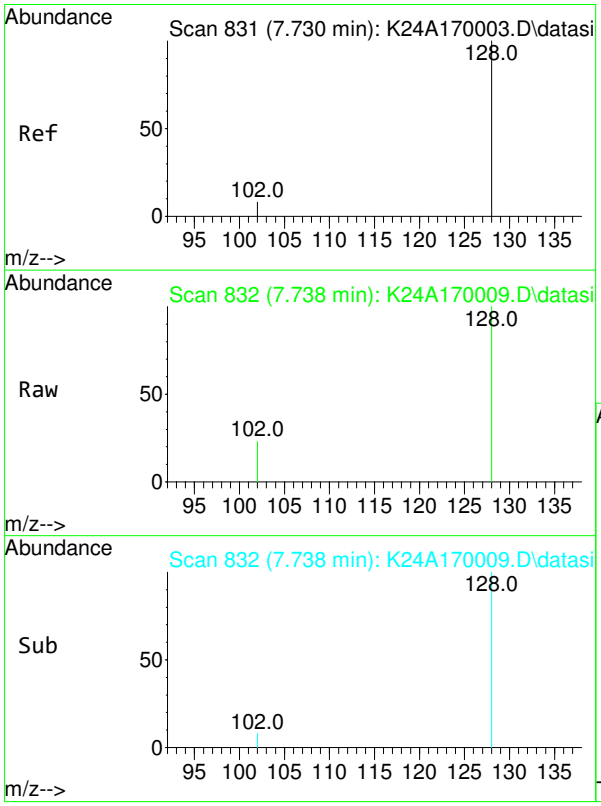


#81
TRICHLOROETHENE (SIM)
Concen: 0.01 PPBV
RT: 3.767 min Scan# 299
Delta R.T. -0.003 min
Lab File: K24A170009.D
Acq: 18 Jun 2024 02:13 pm

Tgt Ion: 95 Resp: 156

Ion	Ratio	Lower	Upper
95	100		
130	101.3	66.1	106.1

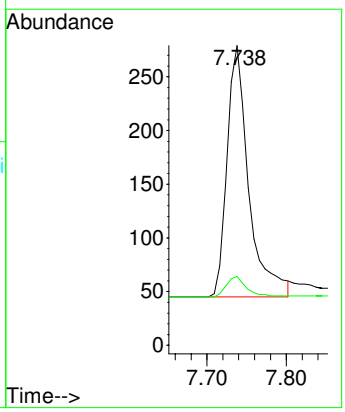




#89
NAPHTHALENE (SIM)
Concen: 0.02 PPBV
RT: 7.738 min Scan# 832
Delta R.T. 0.007 min
Lab File: K24A170009.D
Acq: 18 Jun 2024 02:13 pm

Tgt Ion:128 Resp: 445

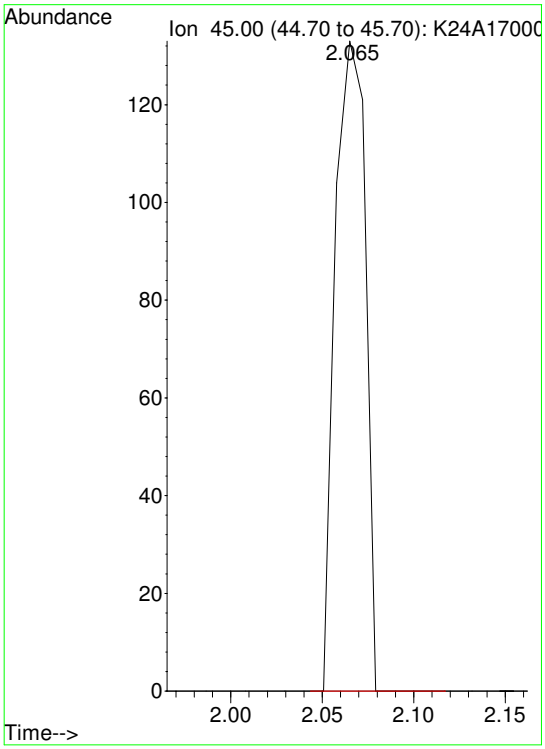
Ion	Ratio	Lower	Upper
128	100		
102	7.6	0.0	29.2



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170009.D
Acq On : 18 Jun 2024 02:13 pm
Operator : CMR
Sample : MBL 0.69X
Misc : 1,1,200,290,0.69X

Quant Time : Wed Jun 19 11:08:20 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
IPA



Original Int. Results

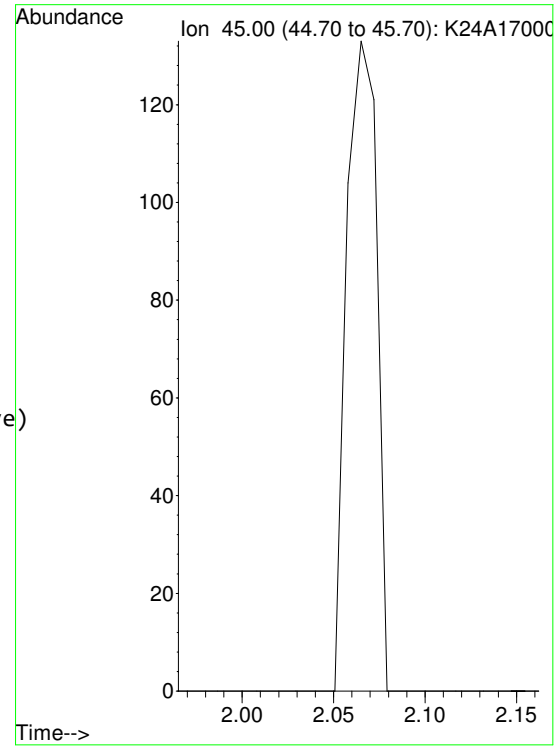
RT : 2.06
Area : 262
Amount: 0.0178261

Manual Int. Results

Wed Jun 19 11:08:19 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
IPA



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170009.D
Acq On : 18 Jun 2024 02:13 pm
Operator : CMR
Sample : MBL 0.69X Inst : SYSK
Misc : 1,1,200,290,0.69X
ALS Vial : 7 Sample Multiplier: 1
InstName : SYSK

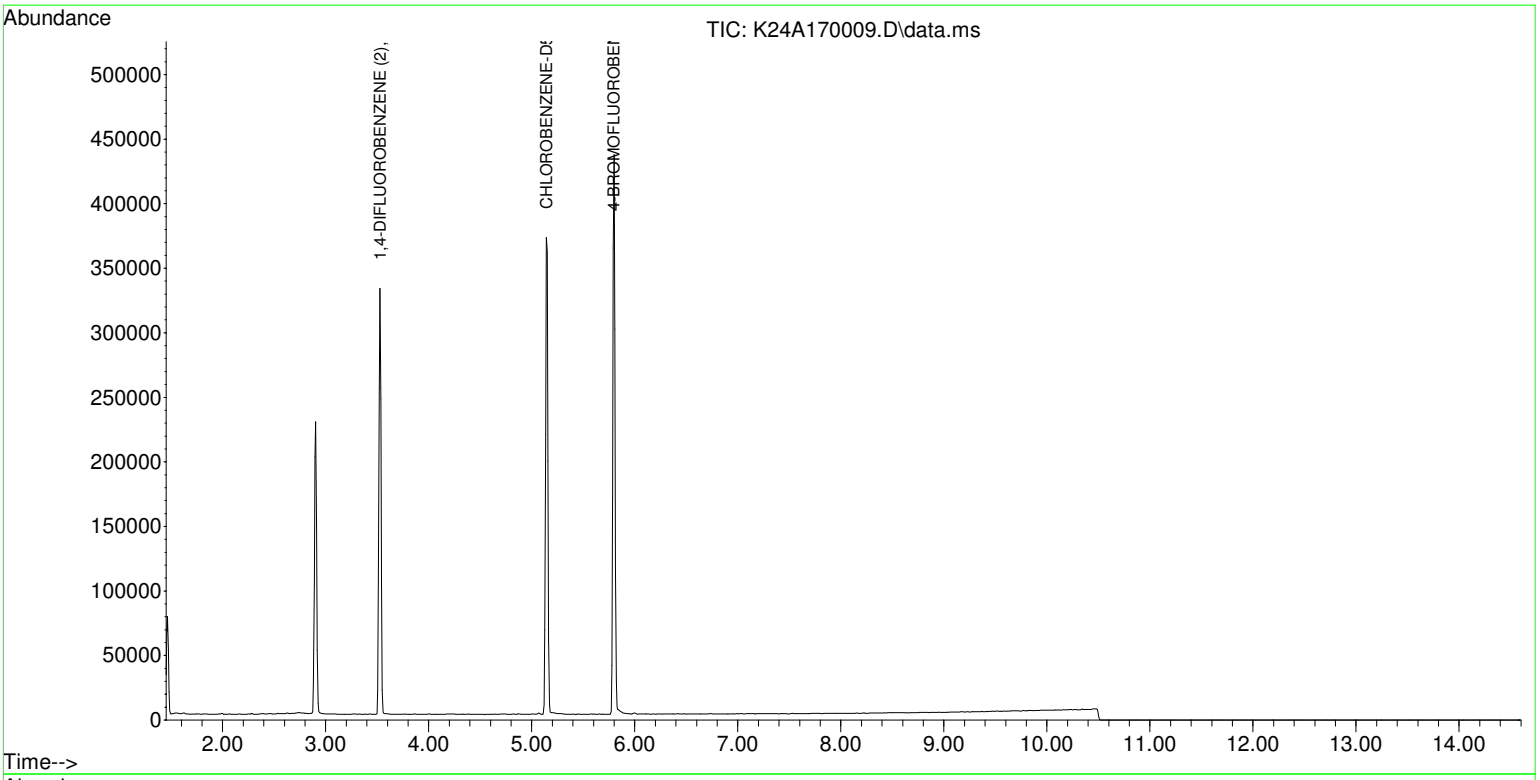
Quant Time: Jun 19 11:55:52 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX051524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed May 15 09:37:36 2024
Response via : Initial Calibration

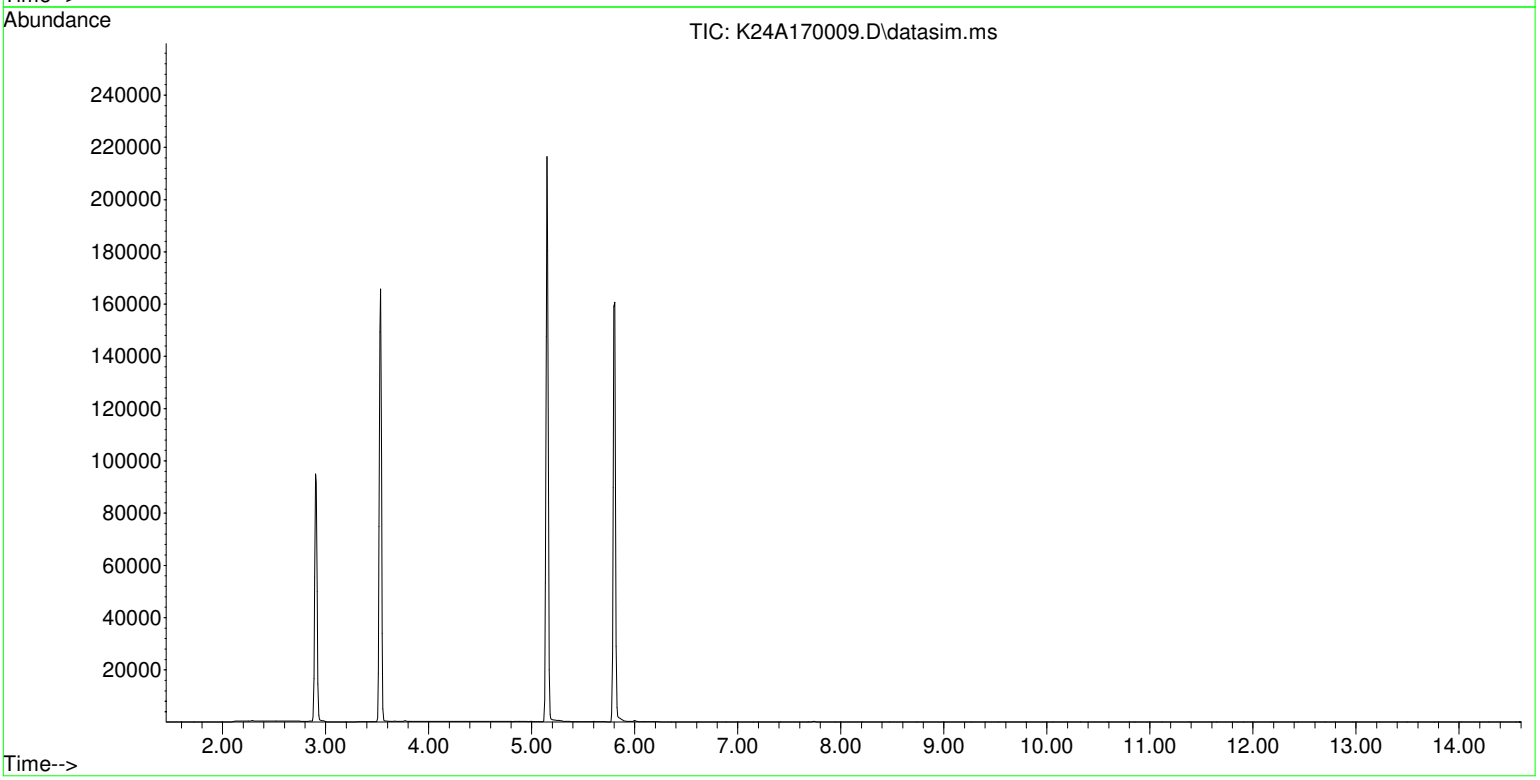
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-DIFLUOROBENZENE (2)	3.527	114	209008	8.000	PPBV	0.00
7) CHLOROBENZENE-D5 (2)	5.142	54	41148	8.000	PPBV	0.00
System Monitoring Compounds						
10) 4-BROMOFLUOROBENZENE (2)	5.799	174	110443	9.842	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 123.00%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170009.D
Acq On : 18 Jun 2024 02:13 pm
Operator : CMR
Sample : MBL 0.69X Inst : SYSK
Misc : 1,1,200,290,0.69X
ALS Vial : 7 Sample Multiplier: 1
InstName : SYSK

Quant Time: Jun 19 11:55:52 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX051524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed May 15 09:37:36 2024
Response via : Initial Calibration





1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Pace New England			Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY		Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1	
Matrix:	Air	Laboratory ID:	B377758-BS1	File ID:	K24A170004.D
Sampled:		Prepared:	06/18/24 00:00	Analyzed:	06/18/24 11:34
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B377758	Sequence:	S106148	Calibration:	2400609
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
71-43-2	Benzene	4.01			
100-44-7	Benzyl chloride	4.40			
75-27-4	Bromodichloromethane	3.67			
75-25-2	Bromoform	5.31			
74-83-9	Bromomethane	4.83			
78-93-3	2-Butanone (MEK)	3.59			
56-23-5	Carbon Tetrachloride	3.30			L-03
108-90-7	Chlorobenzene	4.16			
75-00-3	Chloroethane	4.25			
67-66-3	Chloroform	4.40			
74-87-3	Chloromethane	3.55			
110-82-7	Cyclohexane	3.81			
124-48-1	Dibromochloromethane	4.79			
106-93-4	1,2-Dibromoethane (EDB)	4.37			
95-50-1	1,2-Dichlorobenzene	5.58			
541-73-1	1,3-Dichlorobenzene	5.75			
106-46-7	1,4-Dichlorobenzene	5.56			
75-71-8	Dichlorodifluoromethane (Freon 12)	4.40			
75-34-3	1,1-Dichloroethane	3.30			L-03, V-05
107-06-2	1,2-Dichloroethane	3.90			
75-35-4	1,1-Dichloroethylene	3.92			
156-59-2	cis-1,2-Dichloroethylene	4.12			
156-60-5	trans-1,2-Dichloroethylene	3.24			L-03, V-05
78-87-5	1,2-Dichloropropane	3.55			
10061-01-5	cis-1,3-Dichloropropene	3.69			
10061-02-6	trans-1,3-Dichloropropene	4.34			
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon	4.30			
123-91-1	1,4-Dioxane	5.31			V-36
64-17-5	Ethanol	5.85			

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Pace New England			Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY		Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1	
Matrix:	Air	Laboratory ID:	B377758-BS1	File ID:	K24A170004.D
Sampled:		Prepared:	06/18/24 00:00	Analyzed:	06/18/24 11:34
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B377758	Sequence:	S106148	Calibration:	2400609
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
100-41-4	Ethylbenzene	3.99			
142-82-5	Heptane	3.51			
87-68-3	Hexachlorobutadiene	5.77			
110-54-3	Hexane	4.11			
1634-04-4	Methyl tert-Butyl Ether (MTBE)	3.74			
75-09-2	Methylene Chloride	4.18			
108-10-1	4-Methyl-2-pentanone (MIBK)	3.90			
91-20-3	Naphthalene	4.99			V-35
100-42-5	Styrene	4.58			
79-34-5	1,1,2,2-Tetrachloroethane	4.29			
127-18-4	Tetrachloroethylene	5.05			
108-88-3	Toluene	4.05			
120-82-1	1,2,4-Trichlorobenzene	5.60			V-36
71-55-6	1,1,1-Trichloroethane	3.66			
79-00-5	1,1,2-Trichloroethane	4.37			
79-01-6	Trichloroethylene	3.88			
75-69-4	Trichlorofluoromethane (Freon 11)	4.62			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	4.77			
95-63-6	1,2,4-Trimethylbenzene	4.24			
108-67-8	1,3,5-Trimethylbenzene	4.78			
75-01-4	Vinyl Chloride	3.95			
179601-23-1	m&p-Xylene	8.43			
95-47-6	o-Xylene	4.33			

Data Path : D:\MassHunter\GCMS\1\data\K061824\

Data File : K24A170004.D
Acq On : 18 Jun 2024 11:34 am
Operator : CMR
Sample : 5.0PPBv LCS Inst : SYSK
Misc : CTWS-4208-2153 06/23
ALS Vial : 3 Sample Multiplier: 1
InstName : SYSK

Quant Time: Jun 19 11:05:02 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Apr 23 10:16:53 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.904	49	83048m	8.000	PPBV	0.00
30) 1,4-DIFLUOROBENZENE (1)	3.527	114	227738m	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.142	117	202678	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.902	49	85208m	8.000	PPBV	0.00
77) 1,4-DIFLUOROBENZENE (1...	3.533	114	233825	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.148	117	208725	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.799	174	120953	8.971	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 112.13%			
88) 4-BROMOFLUOROBENZENE (...	5.798	174	124601	9.097	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 113.75%			
Target Compounds						Qvalue
2) PROPENE	1.523	41	24954	6.134	PPBV	98
3) DICHLORODIFLUOROMETHANE	1.545	85	80391	4.401	PPBV	100
4) CHLOROMETHANE	1.587	50	28281m	3.552	PPBV	
5) FREON 114	1.616	85	77740	4.299	PPBV #	80
6) VINYL CHLORIDE	1.645	62	32240	3.954	PPBV	99
7) 1,3-BUTADIENE	1.687	54	23718	3.961	PPBV	94
8) BROMOMETHANE	1.766	94	30080	4.832	PPBV	98
9) CHLOROETHANE	1.808	64	17527	4.250	PPBV	97
10) ACROLEIN	1.944	56	12048	3.811	PPBV	97
11) ACETONE	1.987	43	47844	4.665	PPBV	92
12) TRICHLOROFLUOROMETHANE	2.044	101	81131	4.622	PPBV	99
13) ETHANOL	1.844	45	9178	5.852	PPBV	99
14) 1,1-DICHLOROETHENE	2.245	61	52668	3.924	PPBV	90
15) METHYLENE CHLORIDE	2.283	49	38649	4.181	PPBV	83
16) FREON 113	2.374	101	66504	4.767	PPBV #	73
17) CARBON DISULFIDE	2.382	76	93111	4.901	PPBV	99
18) TRANS-1,2-DICHLOROETHENE	2.563	61	41348	3.238	PPBV #	73
19) 1,1-DICHLOROETHANE	2.616	63	50845	3.304	PPBV	96
20) MTBE	2.639	73	71491	3.737	PPBV	94
21) IPA	2.058	45	67454	4.632	PPBV	95
22) 2-BUTANONE(MEK)	2.730	43	53577	3.591	PPBV	87
23) CIS-1,2-DICHLOROETHENE	2.851	61	43024	4.118	PPBV	87
24) VINYL ACETATE	2.662	43	52256m	2.840	PPBV	
25) HEXANE	2.926	41	34014m	4.109	PPBV	
26) ETHYL ACETATE	2.926	45	12371	5.894	PPBV	87
27) CHLOROFORM	2.941	83	68054m	4.403	PPBV	
28) TETRAHYDROFURAN	3.066	42	31264	5.182	PPBV	98
29) 1,2-DICHLOROETHANE	3.166	62	42452	3.902	PPBV	98
31) 1,1,1-TRICHLOROETHANE	3.251	97	61690	3.660	PPBV	96
32) BENZENE	3.400	78	92718	4.008	PPBV	94
33) CARBON TETRACHLORIDE	3.452	117	50429	3.305	PPBV	98
34) CYCLOHEXANE	3.497	84	37561	3.811	PPBV	90
35) 1,2-DICHLOROPROPANE	3.682	63	36660	3.550	PPBV	97
36) BROMODICHLOROMETHANE	3.747	83	68957	3.670	PPBV	98
37) TRICHLOROETHENE	3.769	95	42289	3.880	PPBV #	78
38) 1,4-DIOXANE	3.769	88	19503	5.314	PPBV	88
39) METHYLMETHACRYLATE	3.848	69	31236	4.059	PPBV	86

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170004.D
Acq On : 18 Jun 2024 11:34 am
Operator : CMR
Sample : 5.0PPBv LCS Inst : SYSK
Misc : CTWS-4208-2153 06/23
ALS Vial : 3 Sample Multiplier: 1
InstName : SYSK

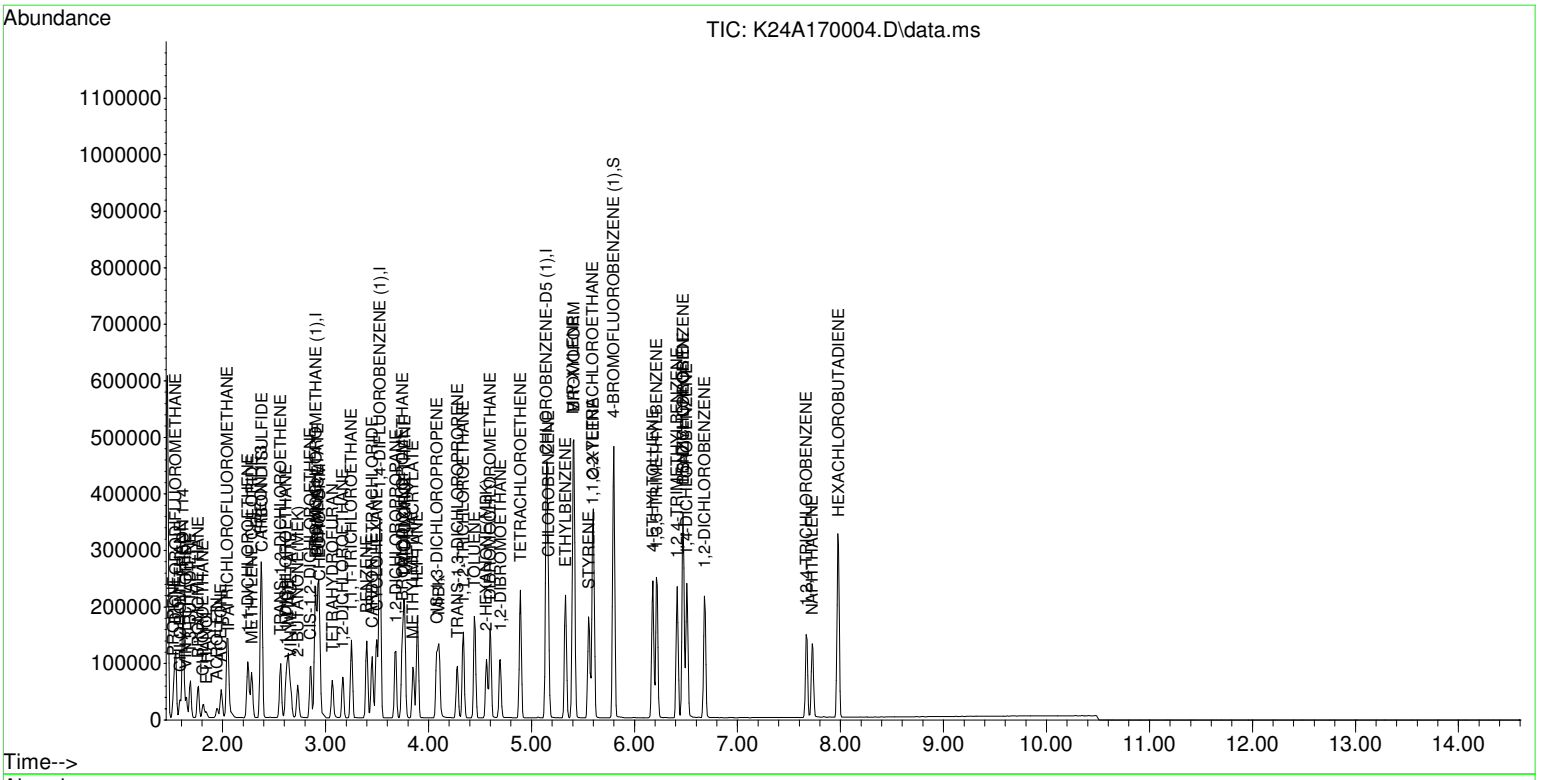
Quant Time: Jun 19 11:05:02 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Apr 23 10:16:53 2024
Response via : Initial Calibration

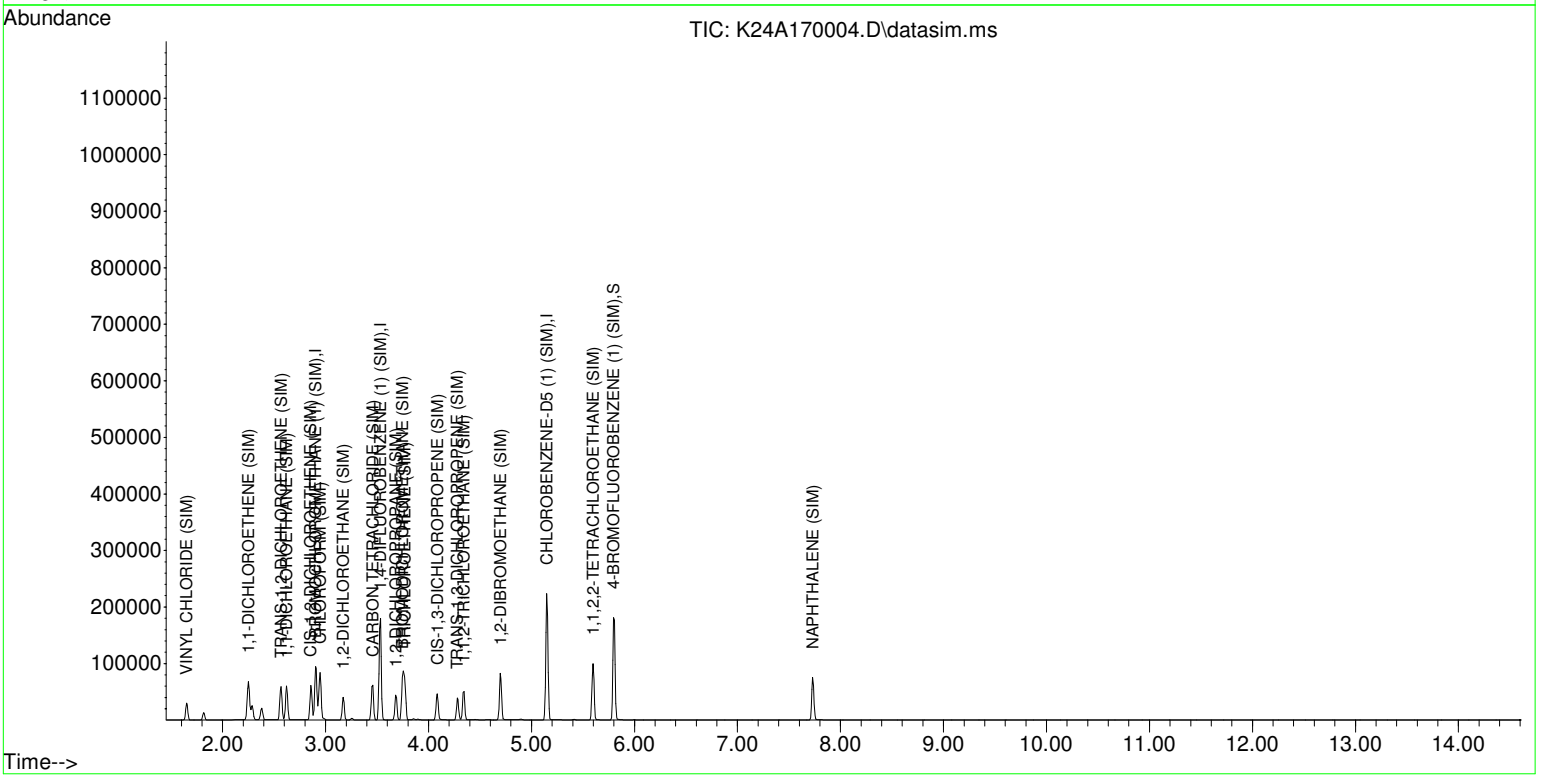
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) HEPTANE	3.891	57	29403	3.514	PPBV	95
41) MIBK	4.101	58	27911	3.898	PPBV	94
42) CIS-1,3-DICHLOROPROPENE	4.079	75	52514	3.693	PPBV	90
43) TRANS-1,3-DICHLOROPROPENE	4.281	75	44769	4.344	PPBV	93
45) 1,1,2-TRICHLOROETHANE	4.338	97	40281	4.369	PPBV	94
46) TOLUENE	4.446	91	109231	4.049	PPBV	98
47) 2-HEXANONE(MBK)	4.561	43	63259	4.103	PPBV	98
48) DIBROMOCHLOROMETHANE	4.597	129	70417	4.789	PPBV	100
49) 1,2-DIBROMOETHANE	4.698	107	61949	4.374	PPBV	99
50) TETRACHLOROETHENE	4.892	166	56175	5.046	PPBV	92
51) CHLOROBENZENE	5.164	112	88855	4.157	PPBV	91
52) ETHYLBENZENE	5.329	91	135432	3.986	PPBV	96
53) M/P-XYLENE	5.404	91	231114	8.431	PPBV	95
54) BROMOFORM	5.412	173	61630	5.309	PPBV	100
55) STYRENE	5.554	104	80352	4.576	PPBV	91
56) O-XYLENE	5.599	91	114335	4.327	PPBV	96
57) 1,1,2,2-TETRACHLOROETHANE	5.592	83	86401	4.290	PPBV	99
59) 4-ETHYLTOLUENE	6.178	105	145666	4.269	PPBV	100
60) 1,3,5-TRIMETHYLBENZENE	6.214	105	120173m	4.780	PPBV	
61) 1,2,4-TRIMETHYLBENZENE	6.414	105	115254	4.243	PPBV #	96
62) 1,3-DICHLOROBENZENE	6.472	146	97196	5.753	PPBV	94
63) BENZYL CHLORIDE	6.472	91	78365	4.396	PPBV	92
64) 1,4-DICHLOROBENZENE	6.507	146	81088	5.557	PPBV	95
65) 1,2-DICHLOROBENZENE	6.679	146	82279	5.584	PPBV	95
66) 1,2,4-TRICHLOROBENZENE	7.667	180	44600	5.597	PPBV	97
67) NAPHTHALENE	7.725	128	97216	4.986	PPBV	97
68) HEXACHLOROBUTADIENE	7.982	225	58142	5.774	PPBV	96
70] VINYL CHLORIDE (SIM)	1.650	62	31970	3.555	PPBV	99
71] 1,1-DICHLOROETHENE (SIM)	2.251	61	54199	3.698	PPBV	91
72] TRANS-1,2-DICHLOROETHE...	2.569	61	42622	3.015	PPBV	75
73] 1,1-DICHLOROETHANE (SIM)	2.622	63	52973	3.071	PPBV	99
74] CIS-1,2-DICHLOROETHENE...	2.856	61	42865	3.730	PPBV	81
75] CHLOROFORM (SIM)	2.947	83	68696m	4.601	PPBV	
76] 1,2-DICHLOROETHANE (SIM)	3.171	62	43036m	3.539	PPBV	
78] CARBON TETRACHLORIDE (...	3.458	117	48884	3.008	PPBV	100
79] 1,2-DICHLOROPROPANE (SIM)	3.681	63	37349	3.398	PPBV	99
80] BROMODICHLOROMETHANE (...	3.746	83	68761	3.467	PPBV	99
81] TRICHLOROETHENE (SIM)	3.767	95	42845	3.712	PPBV	85
82] CIS-1,3-DICHLOROPROPEN...	4.085	75	53096	3.471	PPBV	91
83] TRANS-1,3-DICHLOROPROP...	4.279	75	45479	3.906	PPBV	92
85] 1,1,2-TRICHLOROETHANE ...	4.344	97	40427	3.864	PPBV	94
86] 1,2-DIBROMOETHANE (SIM)	4.696	107	61629	4.111	PPBV	99
87] 1,1,2,2-TETRACHLOROETH...	5.598	83	88234	4.035	PPBV	99
89] NAPHTHALENE (SIM)	7.730	128	102387	4.710	PPBV	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170004.D
Acq On : 18 Jun 2024 11:34 am
Operator : CMR
Sample : 5.0PPBv LCS Inst : SYSK
Misc : CTWS-4208-2153 06/23
ALS Vial : 3 Sample Multiplier: 1
InstName : SYSK

Quant Time: Jun 19 11:05:02 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Apr 23 10:16:53 2024
Response via : Initial Calibration

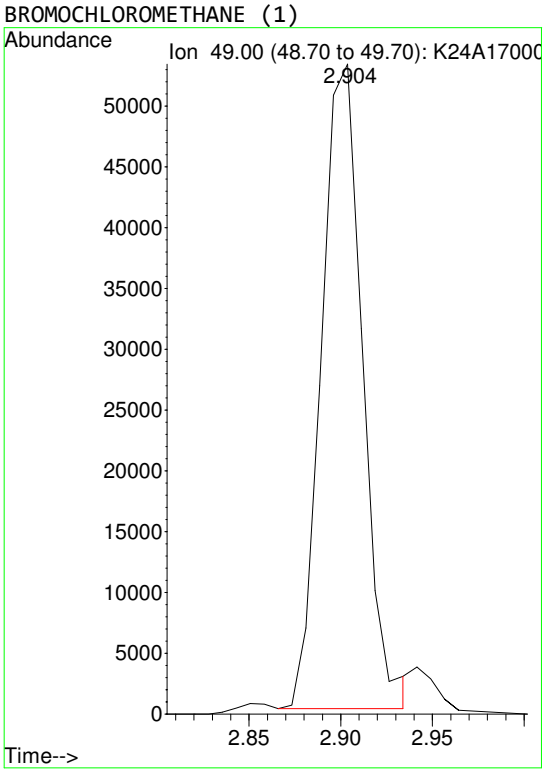




Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170004.D
Acq On : 18 Jun 2024 11:34 am
Operator : CMR
Sample : 5.0PPBv LCS
Misc : CTWS-4208-2153 06/23

Quant Time : Wed Jun 19 11:07:40 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
BROMOCHLOROMETHANE (1)



Original Int. Results

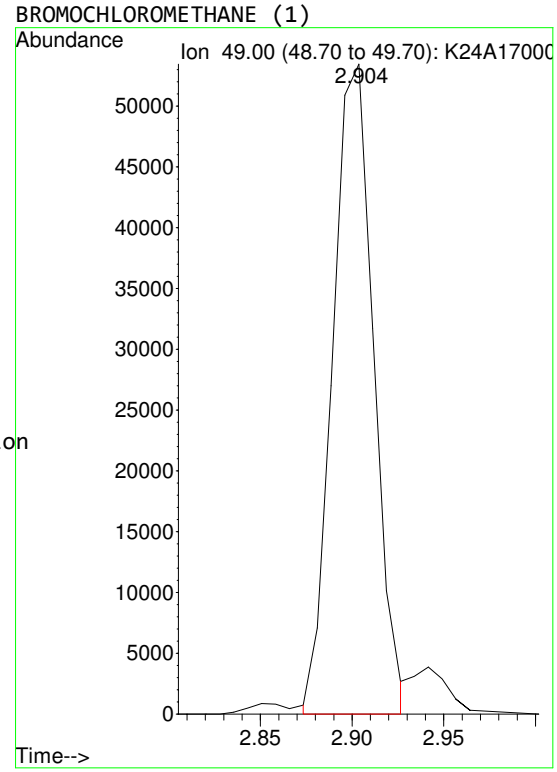
RT : 2.90
Area : 82972
Amount: 8

Manual Int. Results

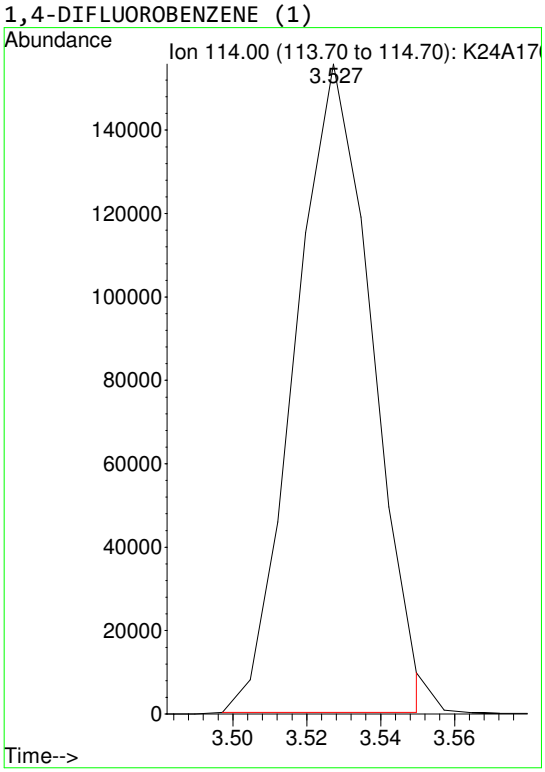
Wed Jun 19 11:06:03 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 2.90
Area : 83048
Amount: 8

Manual Integration
BROMOCHLOROMETHANE (1)



Original Integration
1,4-DIFLUOROBENZENE (1)



Original Int. Results

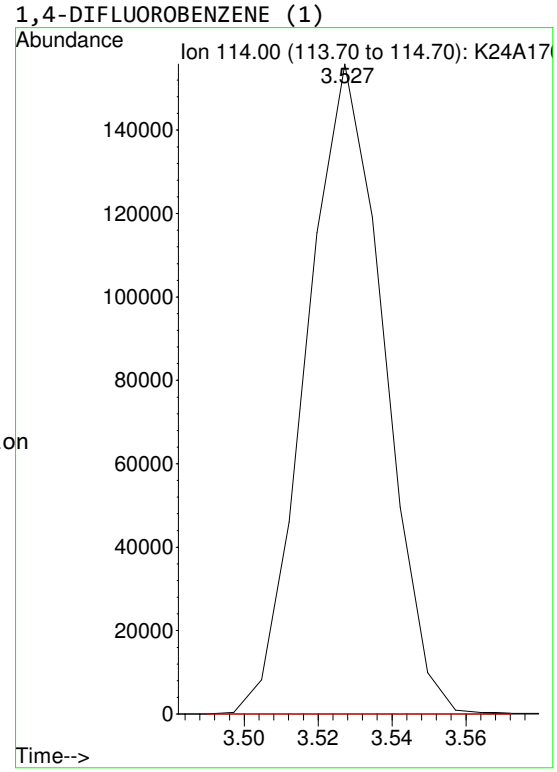
RT : 3.53
Area : 225635
Amount: 8

Manual Int. Results

Wed Jun 19 11:06:54 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 3.53
Area : 227738
Amount: 8

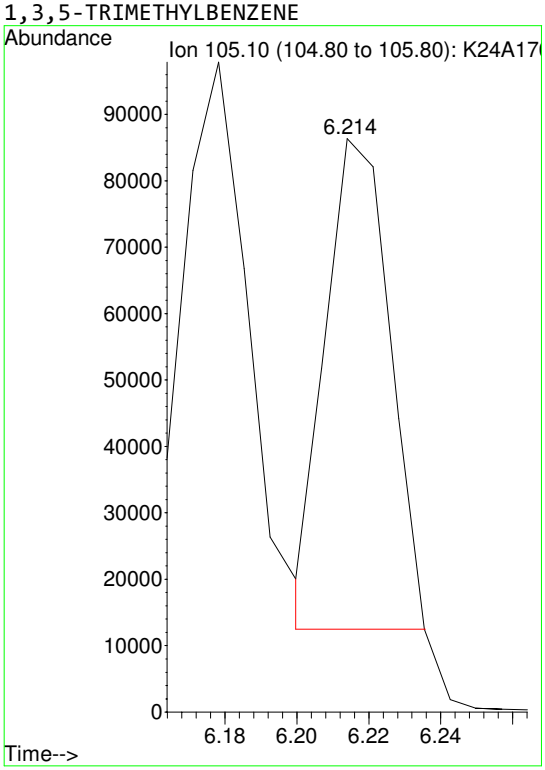
Manual Integration
1,4-DIFLUOROBENZENE (1)



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170004.D
Acq On : 18 Jun 2024 11:34 am
Operator : CMR
Sample : 5.0PPBv LCS
Misc : CTWS-4208-2153 06/23

Quant Time : Wed Jun 19 11:07:40 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
1,3,5-TRIMETHYLBENZENE



Original Int. Results

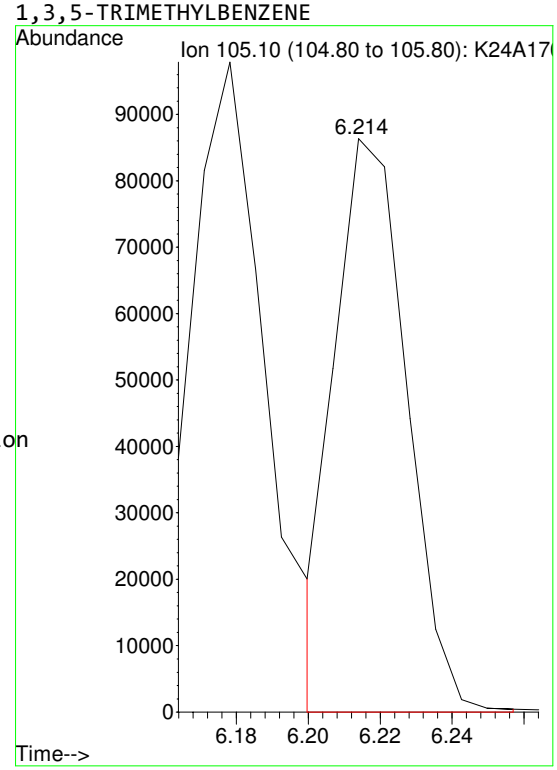
RT : 6.21
Area : 92060
Amount: 3.66167

Manual Int. Results

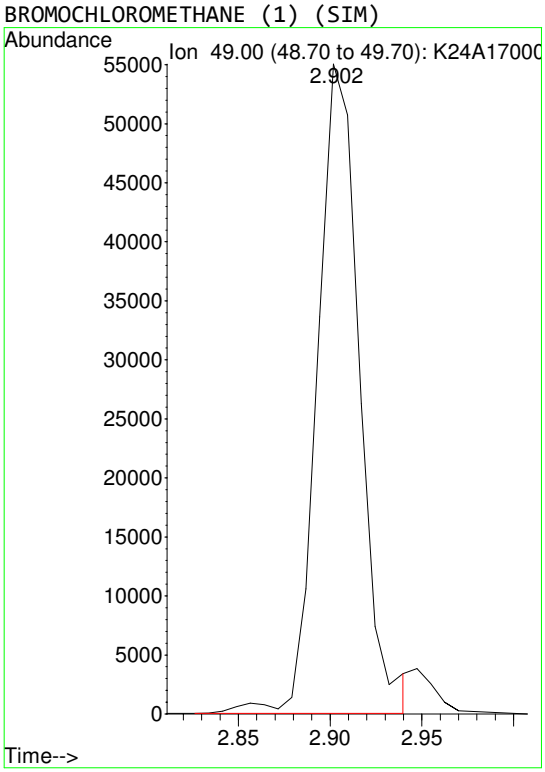
Wed Jun 19 11:07:13 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 6.21
Area : 120173
Amount: 4.77986

Manual Integration
1,3,5-TRIMETHYLBENZENE



Original Integration
BROMOCHLOROMETHANE (1) (SIM)



Original Int. Results

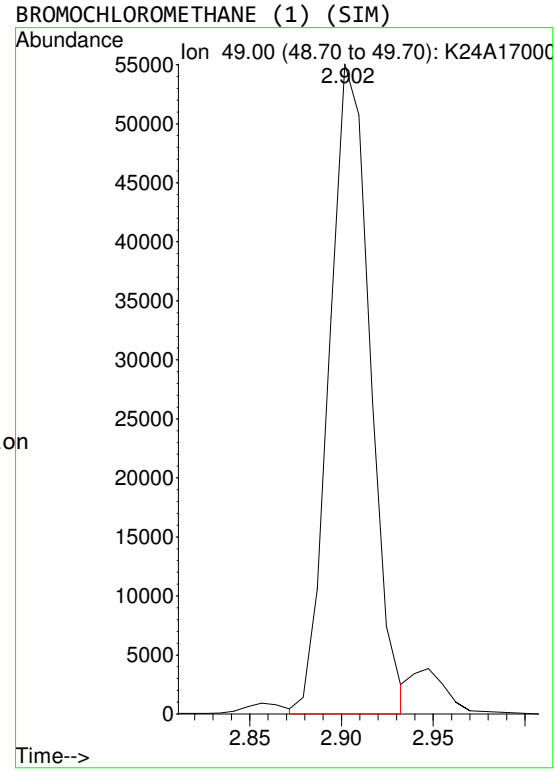
RT : 2.90
Area : 87786
Amount: 8

Manual Int. Results

Wed Jun 19 11:07:22 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 2.90
Area : 85208
Amount: 8

Manual Integration
BROMOCHLOROMETHANE (1) (SIM)



1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Pace New England			Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY		Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1	
Matrix:	Air	Laboratory ID:	B377758-BS2	File ID:	K24A170006.D
Sampled:		Prepared:	06/18/24 00:00	Analyzed:	06/18/24 12:33
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B377758	Sequence:	S106148	Calibration:	2400609
Instrument:	SYSK				
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
75-65-0	tert-Butyl Alcohol (TBA)	2.00			
540-84-1	2,2,4-Trimethylpentane	1.16			

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170006.D
Acq On : 18 Jun 2024 12:33 pm
Operator : CMR
Sample : 6.25ug-m3 LCS Inst : SYSK
Misc : CTWS-4210-1812 07/05
ALS Vial : 5 Sample Multiplier: 1
InstName : SYSK

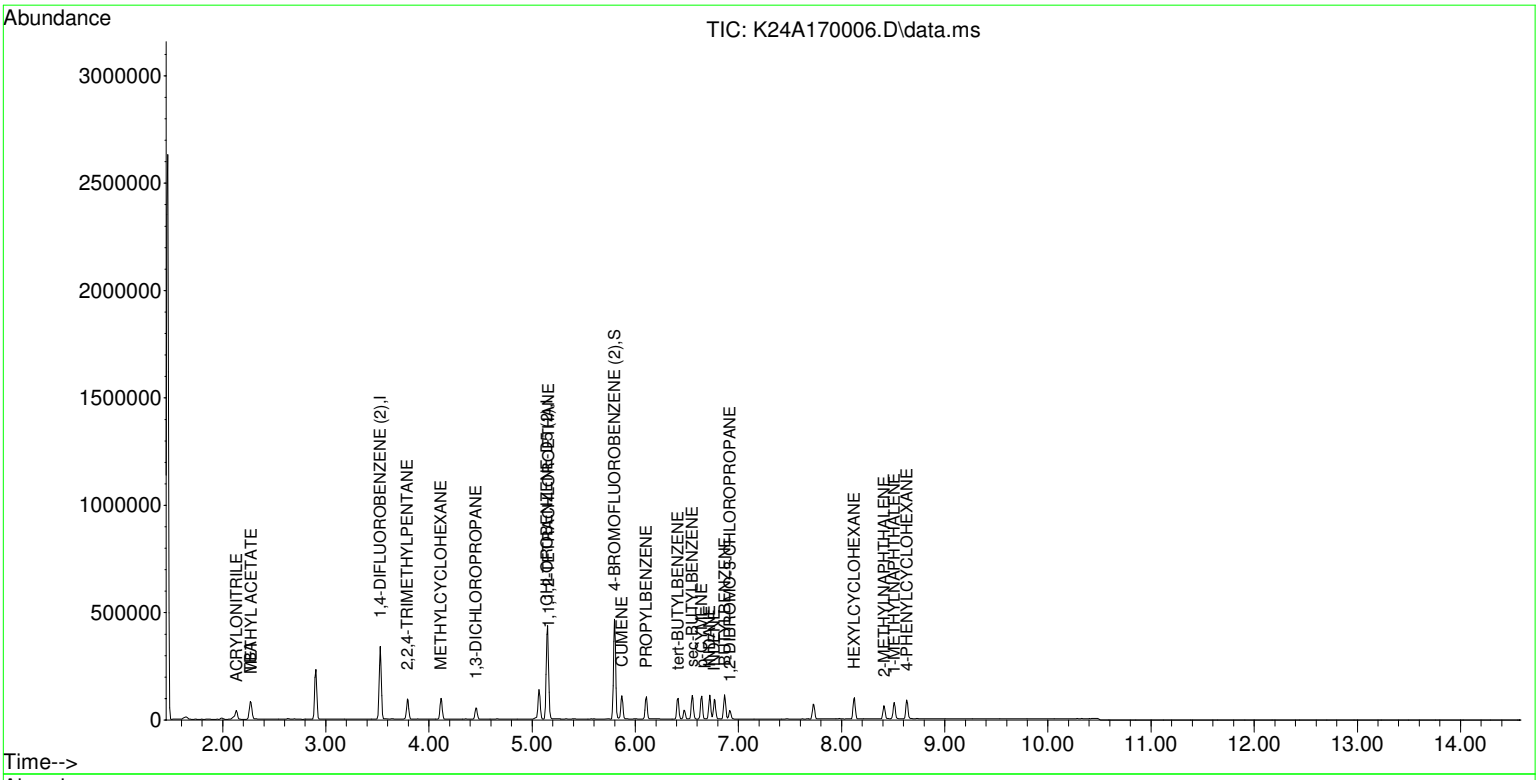
Quant Time: Jun 19 11:55:50 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX051524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed May 15 09:37:36 2024
Response via : Initial Calibration

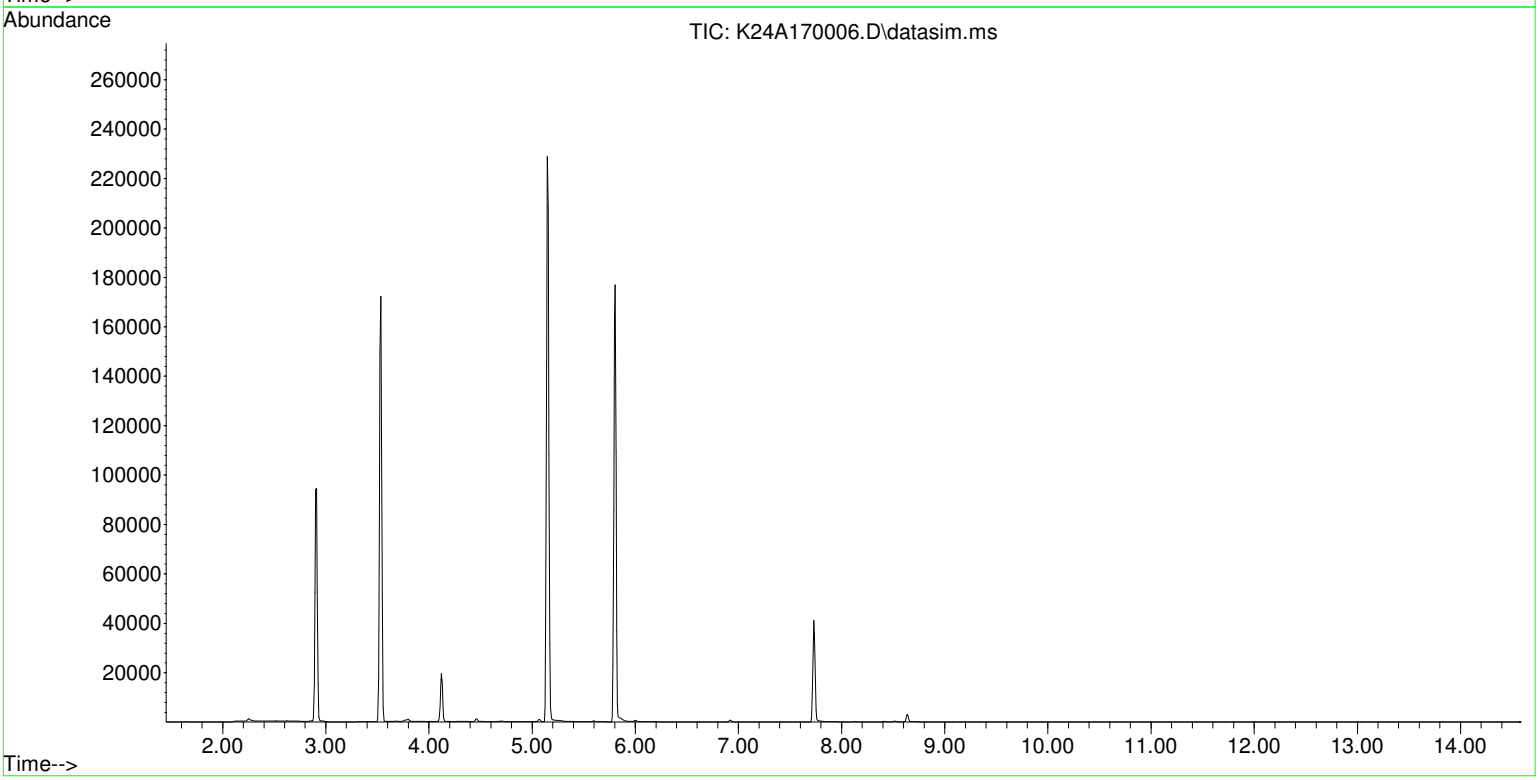
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-DIFLUOROBENZENE (2)	3.527	114	215781	8.000	PPBV		0.00
7) CHLOROBENZENE-D5 (2)	5.142	54	44159	8.000	PPBV		0.00
System Monitoring Compounds							
10) 4-BROMOFLUOROBENZENE (2)	5.799	174	117534	9.759	PPBV		0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 122.00%				
Target Compounds							Qvalue
2) ACRYLONITRILE	2.132	53	34429	3.086	PPBV		98
3) METHYL ACETATE	2.275	43	48131	2.524	PPBV		82
4) TBA	2.268	59	44340	1.998	PPBV		86
5) 2,2,4-TRIMETHYLPENTANE	3.790	57	62223	1.155	PPBV		97
6) METHYLCYCLOHEXANE	4.115	83	26368	1.348	PPBV	#	77
8) 1,3-DICHLOROPROPANE	4.453	76	26521	1.174	PPBV	#	75
9) 1,1,1,2-TETRACHLOROETHANE	5.157	131	14721	1.718	PPBV		97
11) CUMENE	5.871	105	60939	1.080	PPBV		96
12) PROPYLBENZENE	6.107	120	16103	1.312	PPBV	#	92
13) tert-BUTYLBENZENE	6.415	134	9857	1.193	PPBV	#	79
14) sec-BUTYLBENZENE	6.550	105	66674	1.114	PPBV		98
15) p-CYMENE	6.644	119	55345	1.174	PPBV		94
16) INDANE	6.722	117	50312	1.316	PPBV		95
17) INDENE	6.765	115	46536	1.456	PPBV		96
18) BUTYLBENZENE	6.865	91	57405	1.071	PPBV		98
19) 1,2-DIBROMO-3-CHLOROPR...	6.915	157	10731	1.010	PPBv	#	86
20) HEXYLCYCLOHEXANE	8.125	83	29260	1.081	PPBV	#	77
21) 2-METHYLNAPHTHALENE	8.410	142	28426	1.941	UG/L		94
22) 1-METHYLNAPHTHALENE	8.510	142	32687	1.817	UG/L		96
23) 4-PHENYLCYCLOHEXANE	8.632	104	51156	1.549	UG/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170006.D
Acq On : 18 Jun 2024 12:33 pm
Operator : CMR
Sample : 6.25ug-m3 LCS Inst : SYSK
Misc : CTWS-4210-1812 07/05
ALS Vial : 5 Sample Multiplier: 1
InstName : SYSK

Quant Time: Jun 19 11:55:50 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX051524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed May 15 09:37:36 2024
Response via : Initial Calibration





1 - FORM I
ANALYSIS DATA SHEET

Duplicate

Laboratory:	Pace New England			Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY		Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1	
Matrix:	Air	Laboratory ID:	B377758-DUP1	File ID:	K24A170014.D
Sampled:		Prepared:	06/18/24 00:00	Analyzed:	06/18/24 17:18
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B377758	Sequence:	S106148	Calibration:	2400609
Instrument:	SYSK				
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
71-43-2	Benzene	0.66	0.011	0.035	
100-44-7	Benzyl chloride		0.018	0.070	
75-27-4	Bromodichloromethane		0.014	0.035	
75-25-2	Bromoform		0.0084	0.035	
74-83-9	Bromomethane		0.030	0.035	
78-93-3	2-Butanone (MEK)	1.9	0.68	1.4	
75-65-0	tert-Butyl Alcohol (TBA)	0.10	0.054	0.14	J
56-23-5	Carbon Tetrachloride	0.065	0.027	0.035	L-03
108-90-7	Chlorobenzene		0.012	0.035	
75-00-3	Chloroethane		0.032	0.035	
67-66-3	Chloroform	0.49	0.017	0.035	
74-87-3	Chloromethane	0.32	0.047	0.070	
110-82-7	Cyclohexane	0.53	0.027	0.035	
124-48-1	Dibromochloromethane		0.023	0.035	
106-93-4	1,2-Dibromoethane (EDB)		0.022	0.035	
95-50-1	1,2-Dichlorobenzene		0.011	0.035	
541-73-1	1,3-Dichlorobenzene		0.011	0.035	
106-46-7	1,4-Dichlorobenzene	0.053	0.017	0.035	
75-71-8	Dichlorodifluoromethane (Freon 12)	0.41	0.015	0.035	
75-34-3	1,1-Dichloroethane		0.017	0.035	L-03, V-05
107-06-2	1,2-Dichloroethane		0.013	0.035	
75-35-4	1,1-Dichloroethylene		0.024	0.035	
156-59-2	cis-1,2-Dichloroethylene		0.017	0.035	
156-60-5	trans-1,2-Dichloroethylene		0.016	0.035	L-03, V-05
78-87-5	1,2-Dichloropropane		0.026	0.035	
10061-01-5	cis-1,3-Dichloropropene		0.018	0.035	
10061-02-6	trans-1,3-Dichloropropene		0.034	0.035	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon		0.014	0.035	
123-91-1	1,4-Dioxane		0.17	0.35	

1 - FORM I
ANALYSIS DATA SHEET

Duplicate

Laboratory:	Pace New England			Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY		Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1	
Matrix:	Air	Laboratory ID:	B377758-DUP1	File ID:	K24A170014.D
Sampled:		Prepared:	06/18/24 00:00	Analyzed:	06/18/24 17:18
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B377758	Sequence:	S106148	Calibration:	2400609
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
100-41-4	Ethylbenzene	1.7	0.012	0.035	
142-82-5	Heptane	0.52	0.022	0.035	
87-68-3	Hexachlorobutadiene		0.021	0.035	
110-54-3	Hexane	1.3	0.73	1.4	J
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.017	0.035	
75-09-2	Methylene Chloride		0.094	0.35	
108-10-1	4-Methyl-2-pentanone (MIBK)		0.017	0.035	
91-20-3	Naphthalene	0.22	0.028	0.035	V-35
100-42-5	Styrene	0.054	0.027	0.035	
79-34-5	1,1,2,2-Tetrachloroethane		0.0086	0.035	
108-88-3	Toluene	3.4	0.017	0.035	
120-82-1	1,2,4-Trichlorobenzene		0.020	0.035	
71-55-6	1,1,1-Trichloroethane		0.016	0.035	
79-00-5	1,1,2-Trichloroethane		0.012	0.035	
79-01-6	Trichloroethylene	0.51	0.027	0.035	
75-69-4	Trichlorofluoromethane (Freon 11)	0.20	0.014	0.14	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.059	0.0095	0.14	J
95-63-6	1,2,4-Trimethylbenzene	0.73	0.021	0.035	
108-67-8	1,3,5-Trimethylbenzene	0.19	0.027	0.035	
540-84-1	2,2,4-Trimethylpentane	0.094	0.030	0.093	
75-01-4	Vinyl Chloride		0.018	0.035	
179601-23-1	m&p-Xylene	6.9	0.024	0.070	
95-47-6	o-Xylene	2.3	0.011	0.035	

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170014.D
Acq On : 18 Jun 2024 05:18 pm
Operator : CMR
Sample : 24F1161-04 DUP 0.7X Inst : SYSK
Misc : 1.5,1,200,430,0.7X
ALS Vial : 11 Sample Multiplier: 1
InstName : SYSK

Quant Time: Jun 19 11:05:14 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Apr 23 10:16:53 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.904	49	81985	8.000	PPBV	# 0.00
30) 1,4-DIFLUOROBENZENE (1)	3.528	114	221796m	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.143	117	205736	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.910	49	83700	8.000	PPBV	# 0.00
77) 1,4-DIFLUOROBENZENE (1...	3.534	114	230335	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.149	117	214584	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.800	174	119492	8.730	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 109.13%			
88) 4-BROMOFLUOROBENZENE (...	5.799	174	124301	8.827	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 110.38%			
Target Compounds						Qvalue
3) DICHLORODIFLUOROMETHANE	1.545	85	10672	0.592	PPBV	99
4) CHLOROMETHANE	1.588	50	3617	0.460	PPBV	93
7) 1,3-BUTADIENE	1.680	54	111	Below Cal	#	1
10) ACROLEIN	1.951	56	3485	1.117	PPBV	89
11) ACETONE	1.994	43	185792	18.352	PPBV	97
12) TRICHLOROFLUOROMETHANE	2.044	101	4935	0.285	PPBV	96
13) ETHANOL	1.844	45	164310	106.129	PPBV	98
15) METHYLENE CHLORIDE	2.291	49	1187	0.130	PPBV	89
16) FREON 113	2.382	101	1158	0.084	PPBV #	65
21) IPA	2.065	45	14050	0.977	PPBV	89
22) 2-BUTANONE(MEK)	2.730	43	39919	2.710	PPBV	84
24) VINYL ACETATE	2.669	43	50585m	2.785	PPBV	
25) HEXANE	2.926	41	15379	1.882	PPBV	91
27) CHLOROFORM	2.942	83	10657	0.698	PPBV	96
28) TETRAHYDROFURAN	3.066	42	5057	0.849	PPBV	87
32) BENZENE	3.400	78	21342	0.947	PPBV	99
33) CARBON TETRACHLORIDE	3.453	117	1382	0.093	PPBV	99
34) CYCLOHEXANE	3.498	84	7334	0.764	PPBV #	68
37) TRICHLOROETHENE	3.769	95	7837	0.738	PPBV	81
40) HEPTANE	3.892	57	6052	0.743	PPBV	96
46) TOLUENE	4.447	91	133251	4.865	PPBV	99
50) TETRACHLOROETHENE	4.893	166	1081335	95.697	PPBV	92
52) ETHYLBENZENE	5.331	91	85292	2.473	PPBV	97
53) M/P-XYLENE	5.406	91	276545	9.938	PPBV	91
55) STYRENE	5.556	104	1388	0.078	PPBV	94
56) O-XYLENE	5.601	91	87106	3.248	PPBV	96
59) 4-ETHYLTOLUENE	6.158	105	27724m	0.800	PPBV	
60) 1,3,5-TRIMETHYLBENZENE	6.216	105	6812m	0.267	PPBV	
61) 1,2,4-TRIMETHYLBENZENE	6.416	105	28755	1.043	PPBV #	95
64) 1,4-DICHLOROBENZENE	6.509	146	1119	0.076	PPBV	91
67) NAPHTHALENE	7.726	128	6214	0.314	PPBV #	95
74] CIS-1,2-DICHLOROETHENE...	2.857	61	178	0.016	PPBV	86
75] CHLOROFORM (SIM)	2.947	83	10632	0.725	PPBV	97
76] 1,2-DICHLOROETHANE (SIM)	3.172	62	240	0.020	PPBV	96
78] CARBON TETRACHLORIDE (...	3.459	117	1396	0.087	PPBV	100
81] TRICHLOROETHENE (SIM)	3.768	95	7987	0.702	PPBV	86
89] NAPHTHALENE (SIM)	7.732	128	6569	0.294	PPBV	99

Data Path : D:\MassHunter\GCMS\1\data\K061824\ 412
Data File : K24A170014.D
Acq On : 18 Jun 2024 05:18 pm
Operator : CMR
Sample : 24F1161-04 DUP 0.7X Inst : SYSK
Misc : 1.5,1,200,430,0.7X
ALS Vial : 11 Sample Multiplier: 1
InstName : SYSK

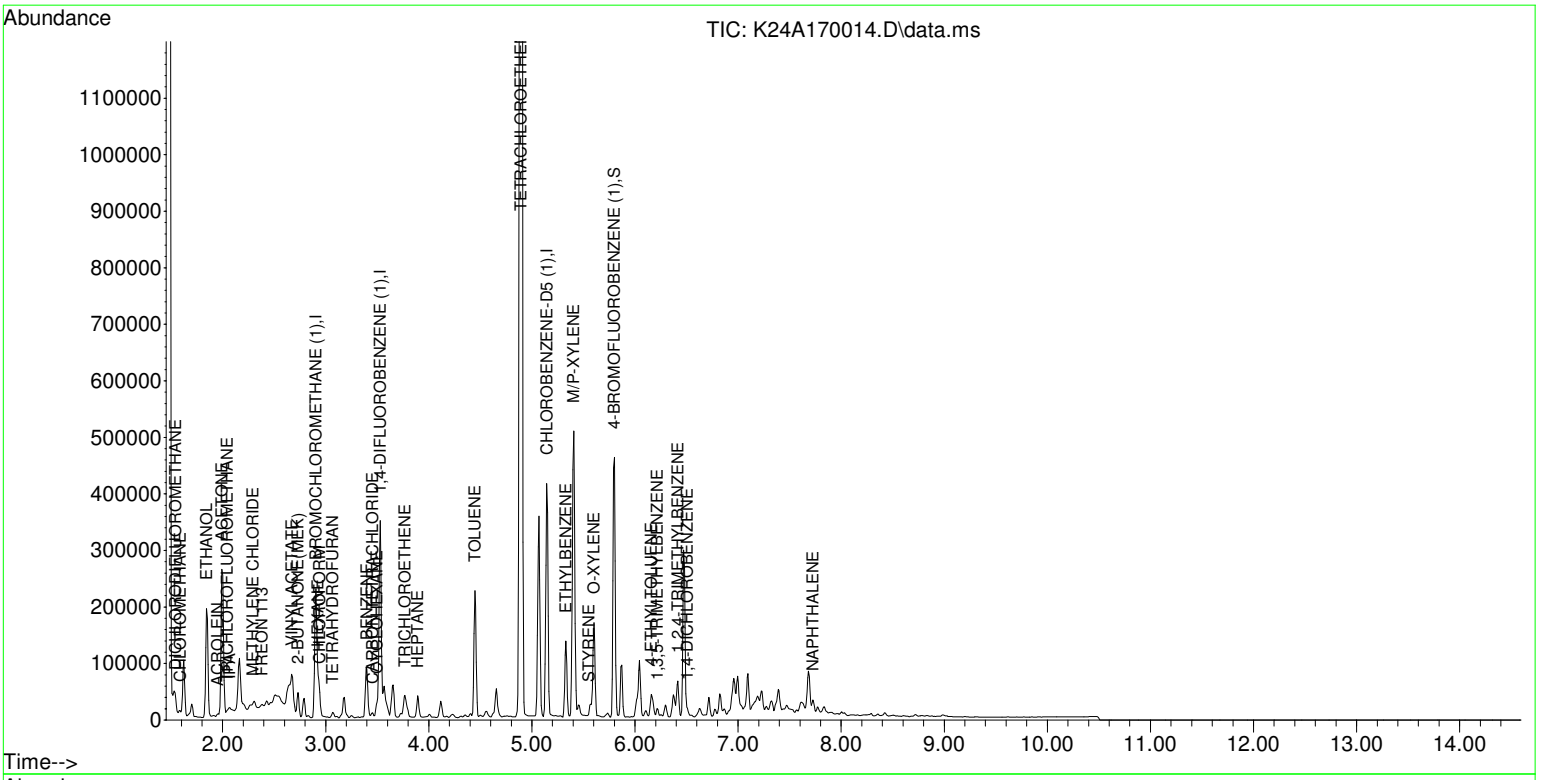
Quant Time: Jun 19 11:05:14 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Apr 23 10:16:53 2024
Response via : Initial Calibration

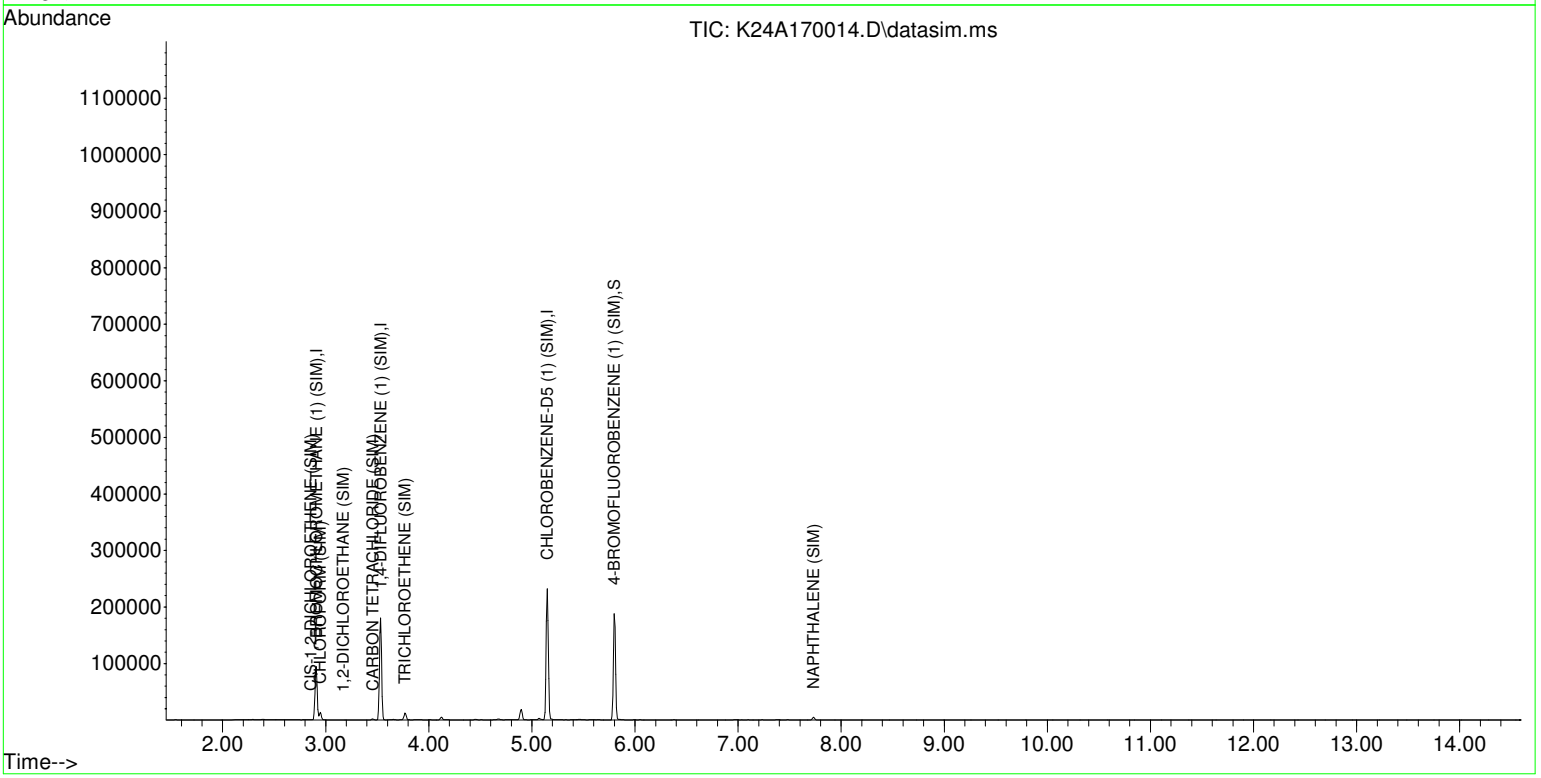
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

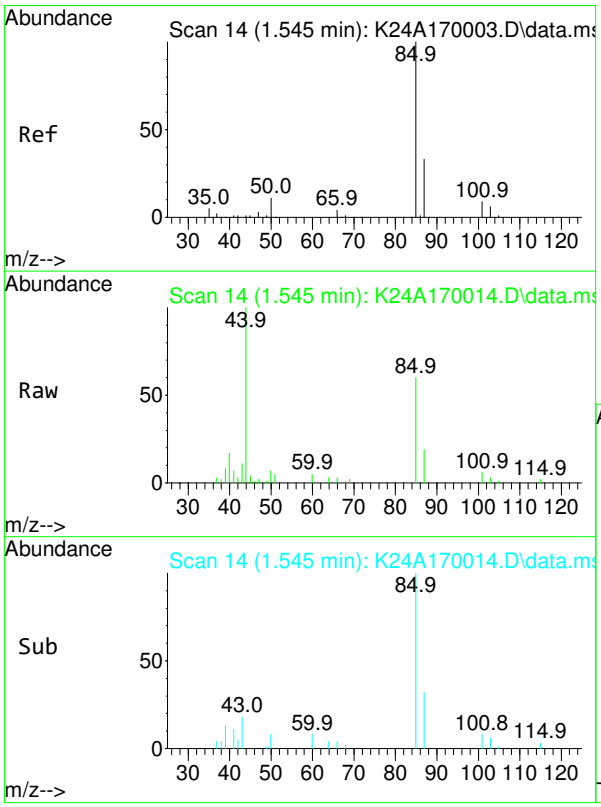
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170014.D
Acq On : 18 Jun 2024 05:18 pm
Operator : CMR
Sample : 24F1161-04 DUP 0.7X Inst : SYSK
Misc : 1.5,1,200,430,0.7X
ALS Vial : 11 Sample Multiplier: 1
InstName : SYSK

Quant Time: Jun 19 11:05:14 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Apr 23 10:16:53 2024
Response via : Initial Calibration



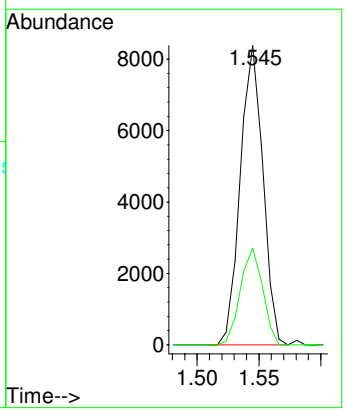


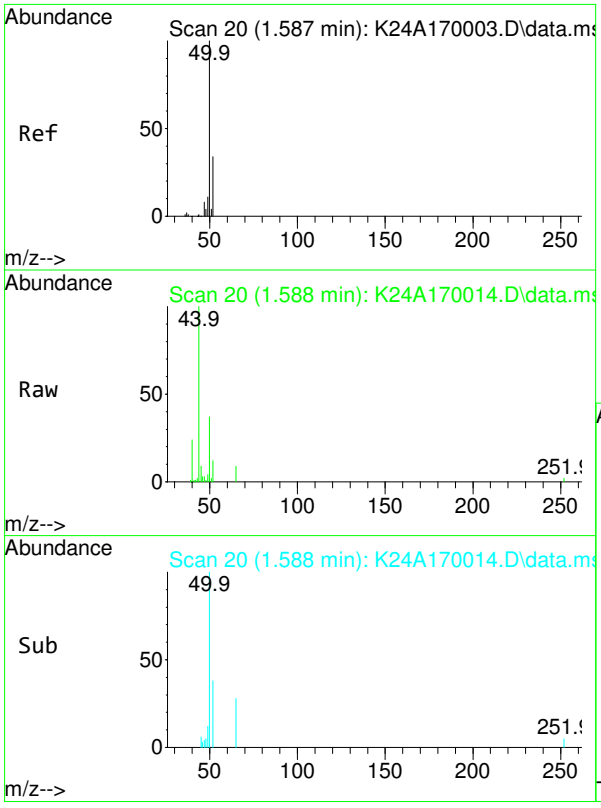


#3
DICHLORODIFLUOROMETHANE
Concen: 0.59 PPBV
RT: 1.545 min Scan# 14
Delta R.T. -0.002 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion: 85 Resp: 10672

Ion	Ratio	Lower	Upper
85	100		
87	31.9	12.3	52.3

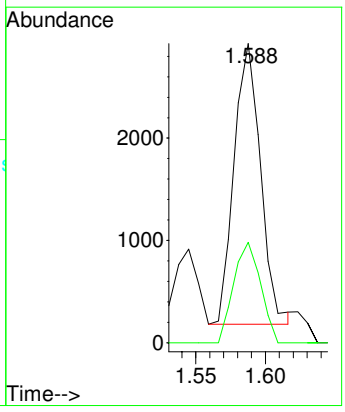


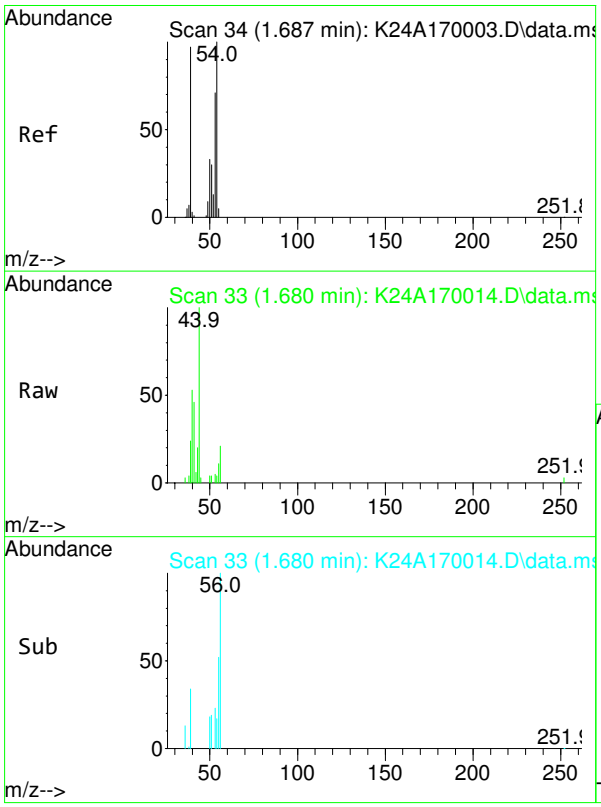


#4
CHLOROMETHANE
Concen: 0.46 PPBV
RT: 1.588 min Scan# 20
Delta R.T. -0.000 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion: 50 Resp: 3617

Ion	Ratio	Lower	Upper
50	100		
52	36.3	12.2	52.2

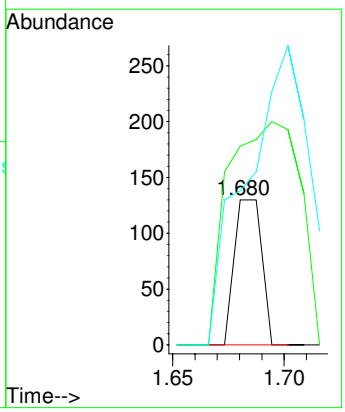


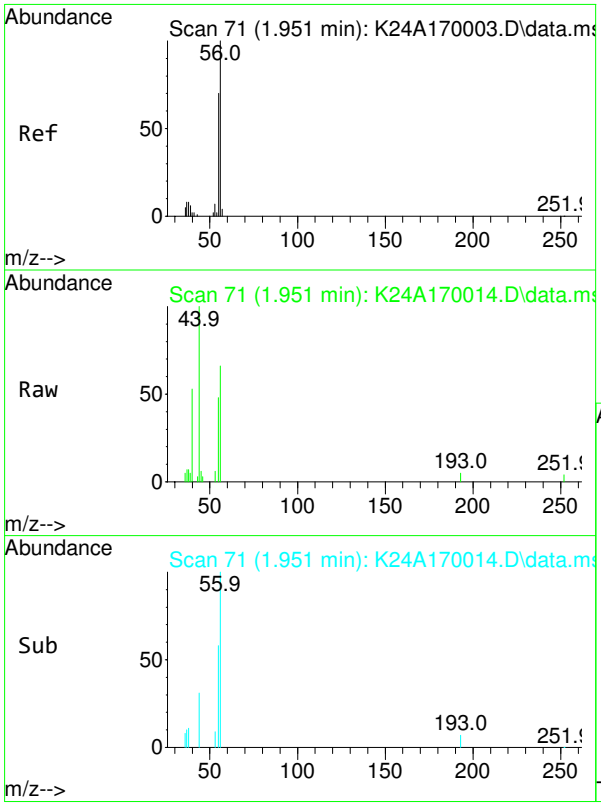


#7
1,3-BUTADIENE
Concen: Below Cal
RT: 1.680 min Scan# 33
Delta R.T. -0.010 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion: 54 Resp: 111

Ion	Ratio	Lower	Upper
54	100		
53	402.7	52.1	92.1#
50	431.5	15.5	55.5#

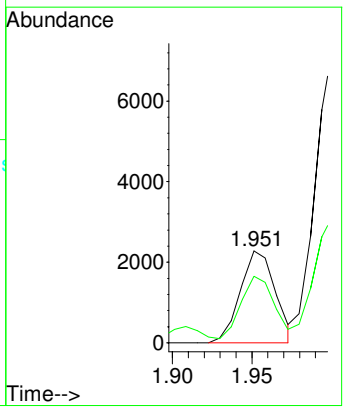


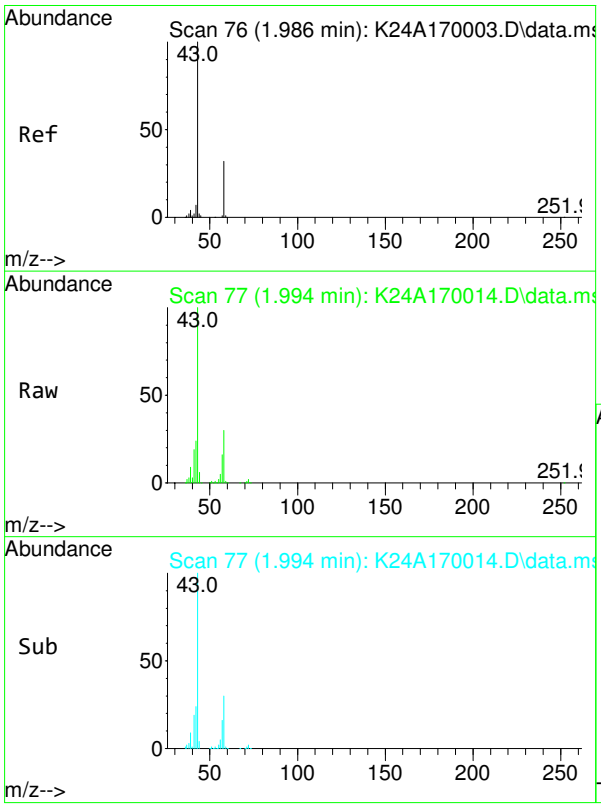


#10
ACROLEIN
Concen: 1.12 PPBV
RT: 1.951 min Scan# 71
Delta R.T. 0.000 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion: 56 Resp: 3485

Ion	Ratio	Lower	Upper
56	100		
55	63.7	58.6	87.8

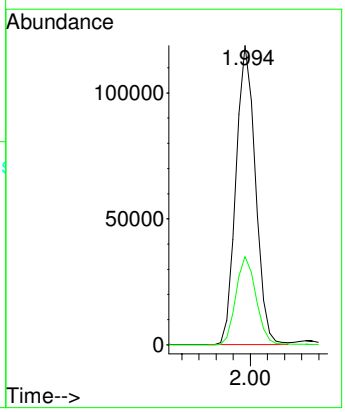


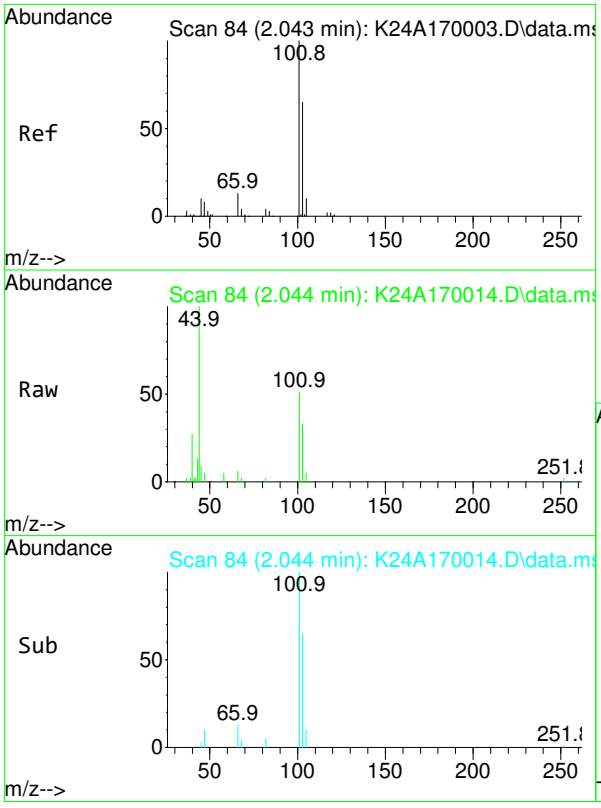


#11
ACETONE
Concen: 18.35 PPBV
RT: 1.994 min Scan# 77
Delta R.T. 0.008 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion: 43 Resp: 185792

Ion	Ratio	Lower	Upper
43	100		
58	30.6	9.1	49.1

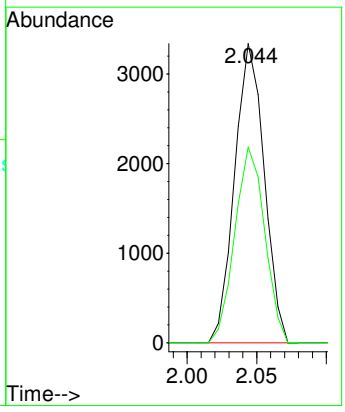


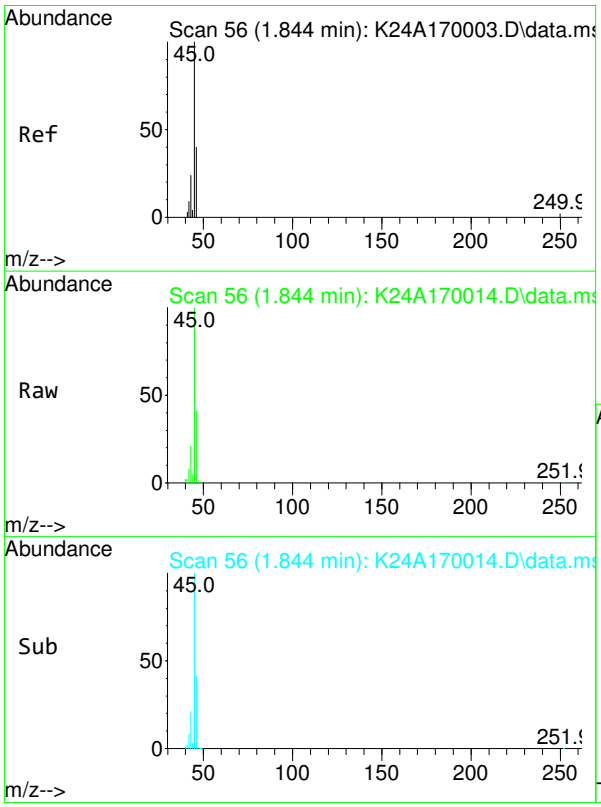


#12
TRICHLOROFLUOROMETHANE
Concen: 0.28 PPBV
RT: 2.044 min Scan# 84
Delta R.T. -0.004 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion:101 Resp: 4935

Ion	Ratio	Lower	Upper
101	100		
103	66.1	43.0	83.0

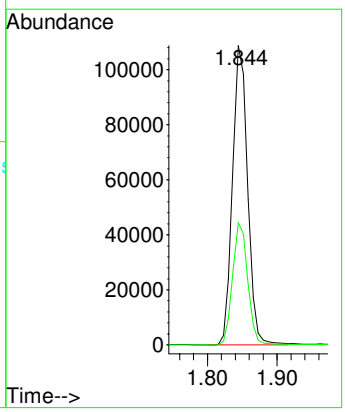


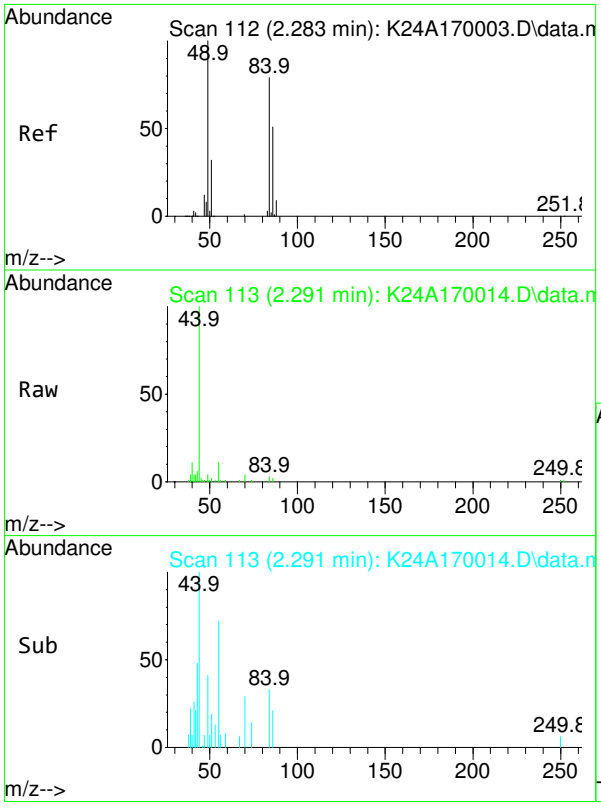


#13
ETHANOL
Concen: 106.13 PPBV
RT: 1.844 min Scan# 56
Delta R.T. 0.001 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion: 45 Resp: 164310

Ion	Ratio	Lower	Upper
45	100		
46	40.9	19.9	59.9

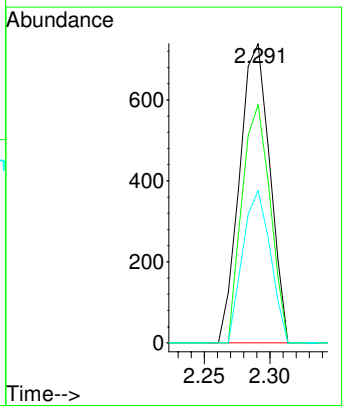


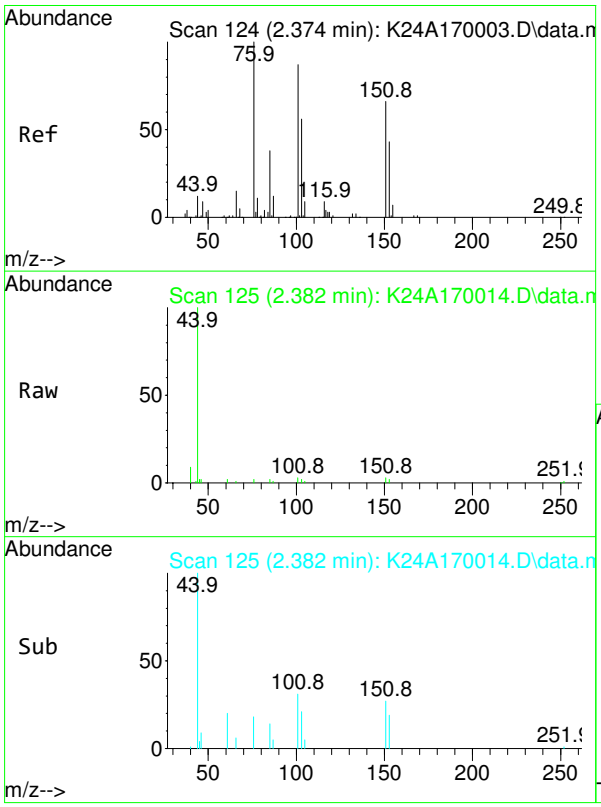


#15
METHYLENE CHLORIDE
Concen: 0.13 PPBV
RT: 2.291 min Scan# 113
Delta R.T. 0.008 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion: 49 Resp: 1187

Ion	Ratio	Lower	Upper
49	100		
84	73.8	44.5	84.5
86	46.4	21.1	61.1

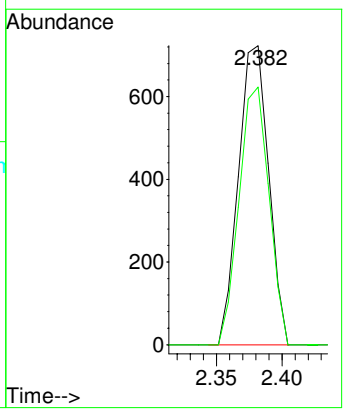


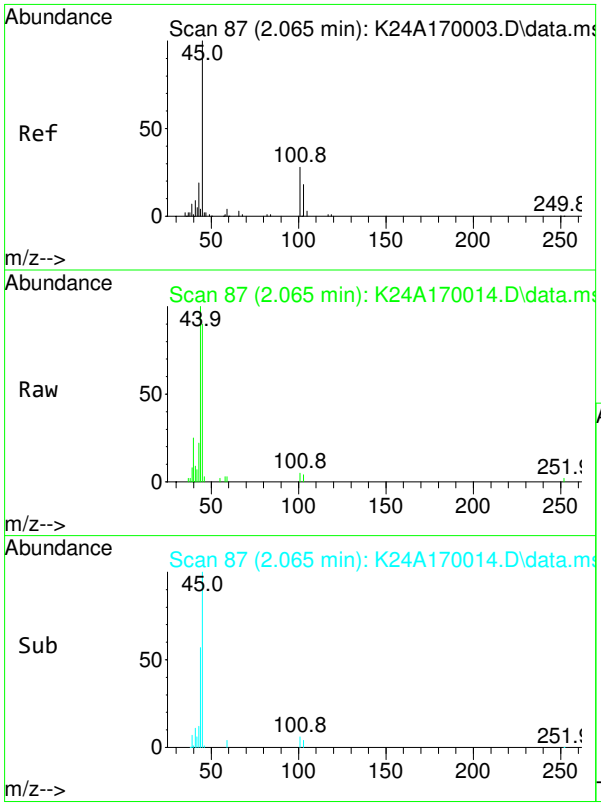


#16
FREON 113
Concen: 0.08 PPBV
RT: 2.382 min Scan# 125
Delta R.T. 0.009 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion:101 Resp: 1158

Ion	Ratio	Lower	Upper
101	100		
151	85.5	39.0	79.0#

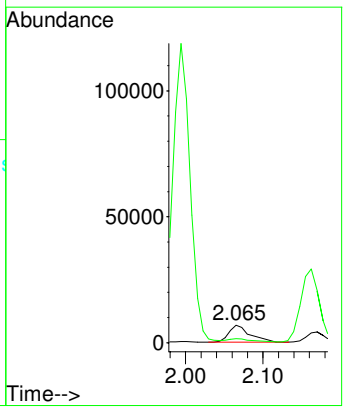


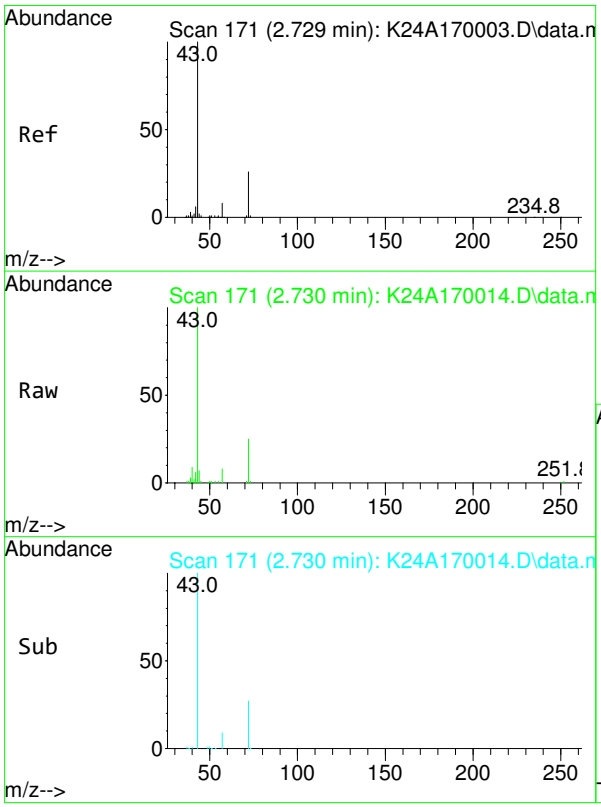


#21
IPA
Concen: 0.98 PPBV
RT: 2.065 min Scan# 87
Delta R.T. 0.002 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion: 45 Resp: 14050

Ion	Ratio	Lower	Upper
45	100		
43	25.2	0.2	40.2

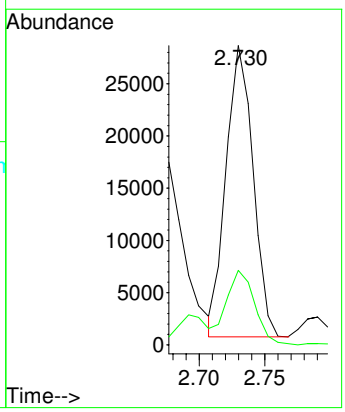


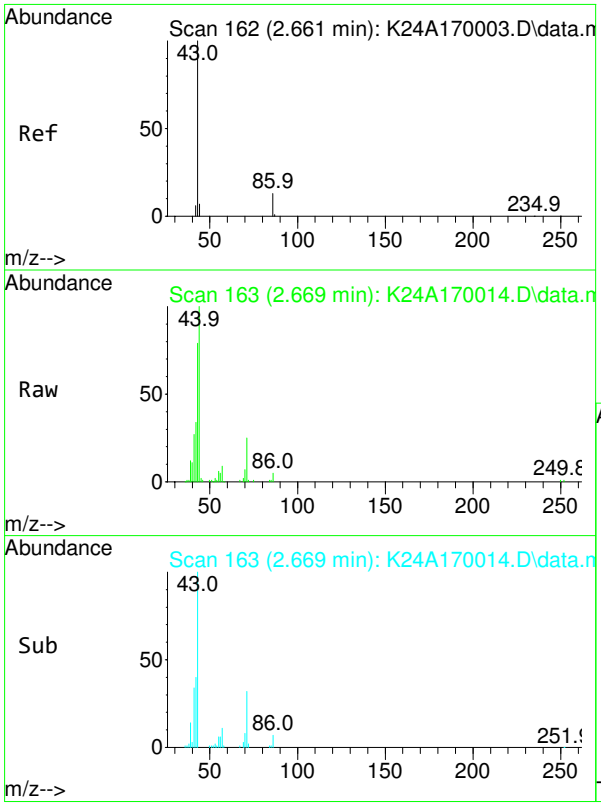


#22
2-BUTANONE(MEK)
Concen: 2.71 PPBV
RT: 2.730 min Scan# 171
Delta R.T. 0.002 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion: 43 Resp: 39919

Ion	Ratio	Lower	Upper
43	100		
72	27.3	0.0	39.8

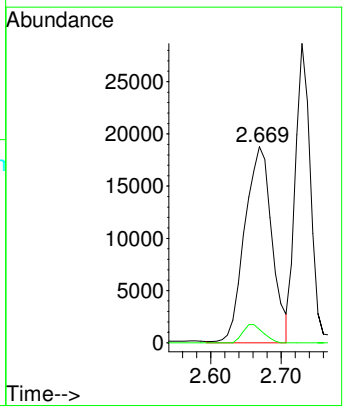


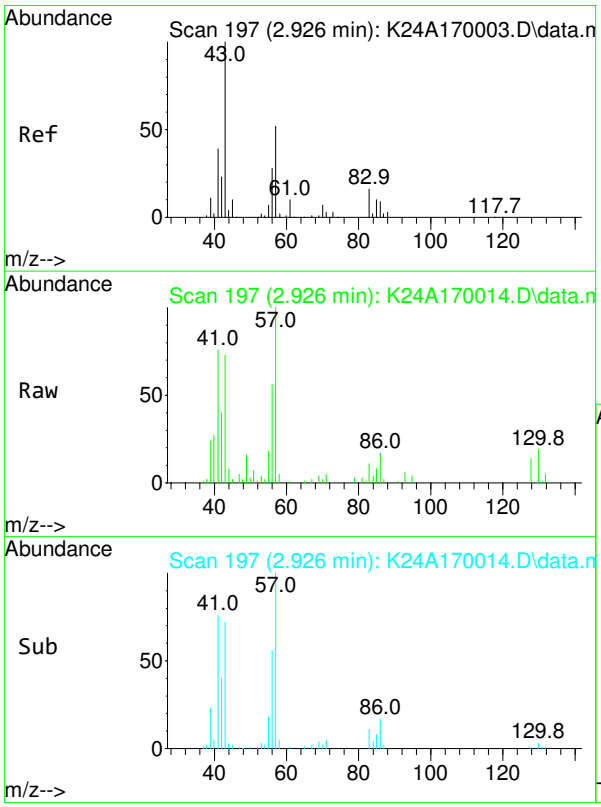


#24
VINYL ACETATE
Concen: 2.78 PPBV m
RT: 2.669 min Scan# 163
Delta R.T. 0.004 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion: 43 Resp: 50585

Ion	Ratio	Lower	Upper
43	100		
86	6.8	0.0	16.9

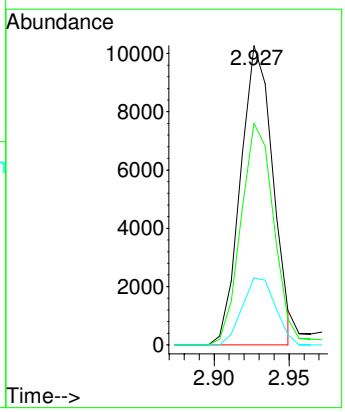


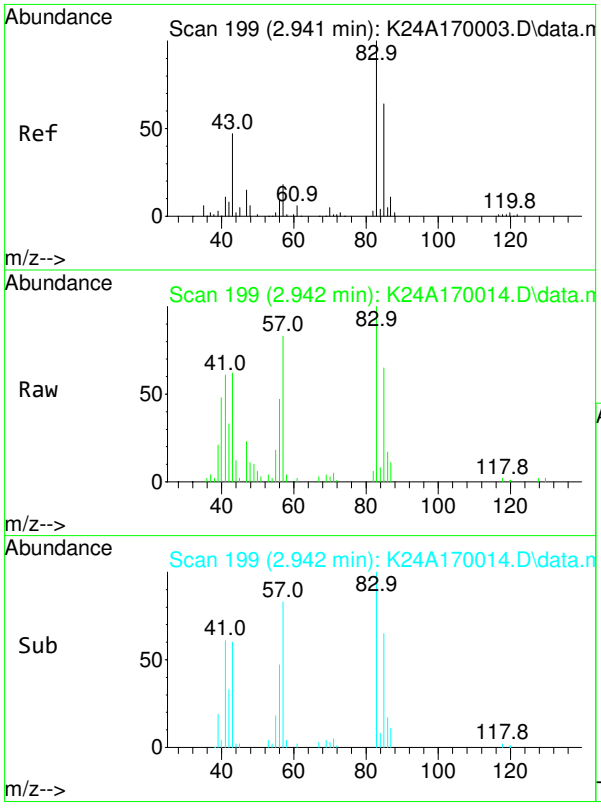


#25
HEXANE
Concen: 1.88 PPBV
RT: 2.926 min Scan# 197
Delta R.T. -0.004 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion: 41 Resp: 15379

Ion	Ratio	Lower	Upper
41	100		
56	74.1	46.2	86.2
86	22.9	10.7	30.7

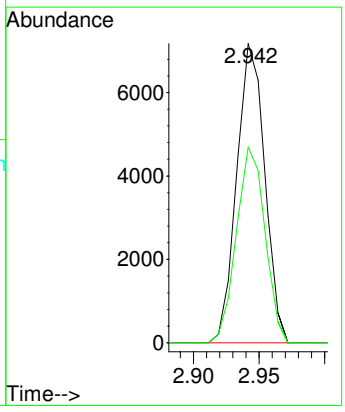


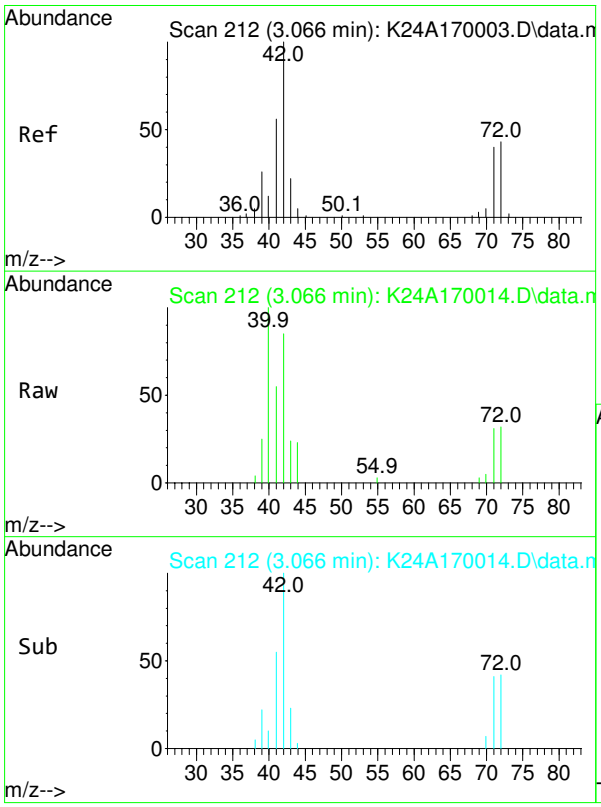


#27
CHLOROFORM
Concen: 0.70 PPBV
RT: 2.942 min Scan# 199
Delta R.T. -0.003 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion: 83 Resp: 10657

Ion	Ratio	Lower	Upper
83	100		
85	66.7	43.6	83.6

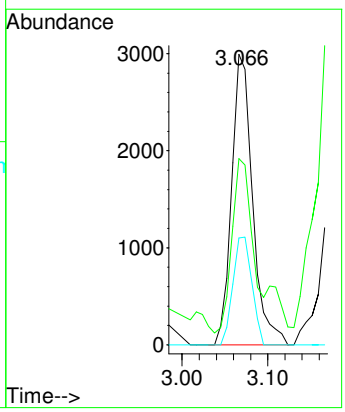


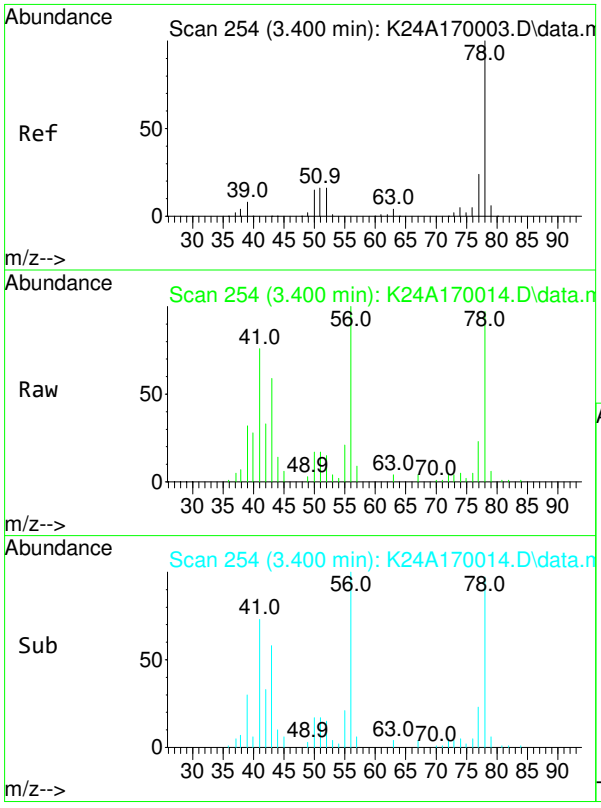


#28
TETRAHYDROFURAN
Concen: 0.85 PPBV
RT: 3.066 min Scan# 212
Delta R.T. -0.003 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion: 42 Resp: 5057

Ion	Ratio	Lower	Upper
42	100		
41	70.0	36.2	76.2
71	33.5	16.1	56.1

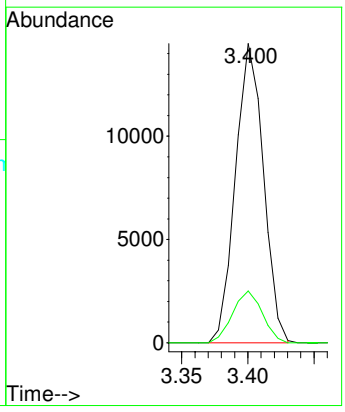


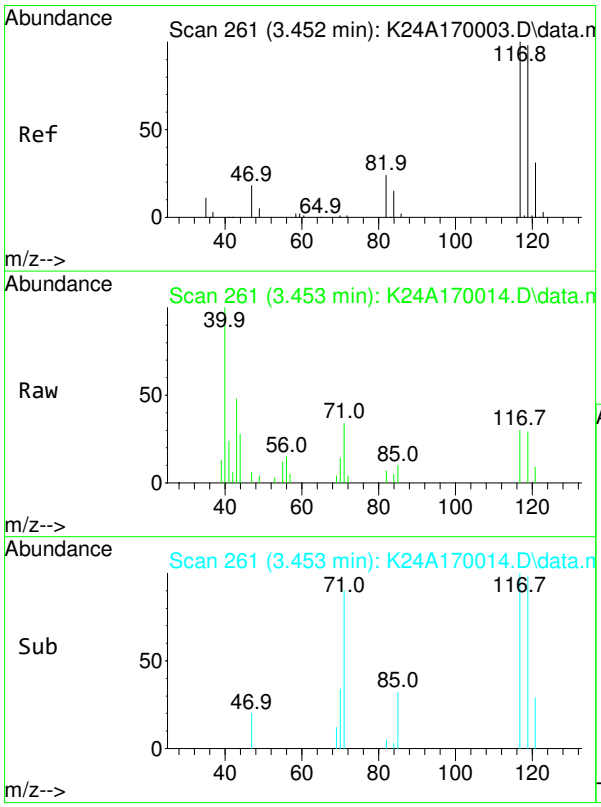


#32
BENZENE
Concen: 0.95 PPBV
RT: 3.400 min Scan# 254
Delta R.T. -0.003 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion: 78 Resp: 21342

Ion	Ratio	Lower	Upper
78	100		
51	18.4	0.0	39.1

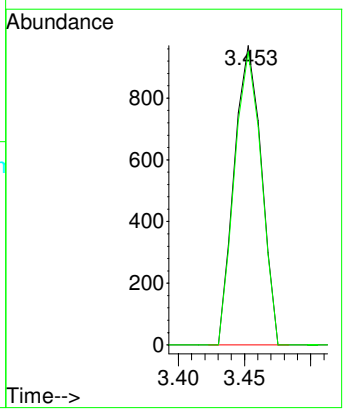


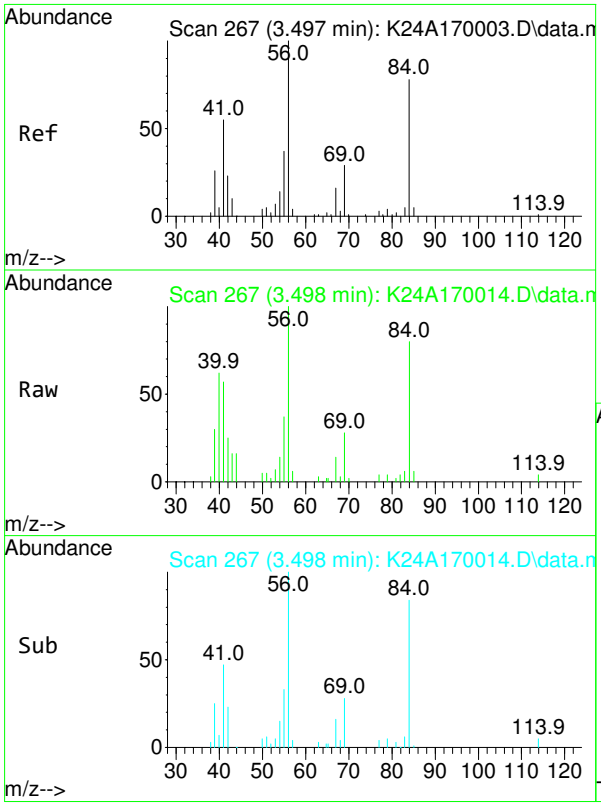


#33
CARBON TETRACHLORIDE
Concen: 0.09 PPBV
RT: 3.453 min Scan# 261
Delta R.T. 0.002 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion:117 Resp: 1382

Ion	Ratio	Lower	Upper
117	100		
119	97.2	75.9	115.9

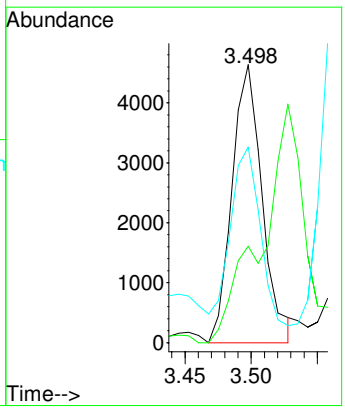


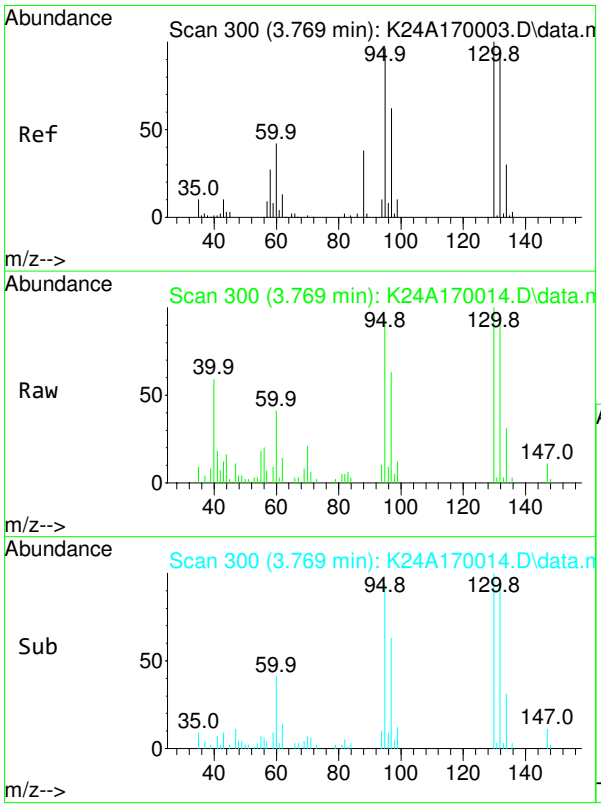


#34
CYCLOHEXANE
Concen: 0.76 PPBV
RT: 3.498 min Scan# 267
Delta R.T. -0.001 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion: 84 Resp: 7334

Ion	Ratio	Lower	Upper
84	100		
69	0.0	17.9	57.9#
41	62.3	57.0	97.0

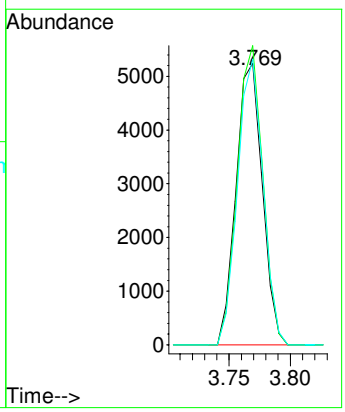


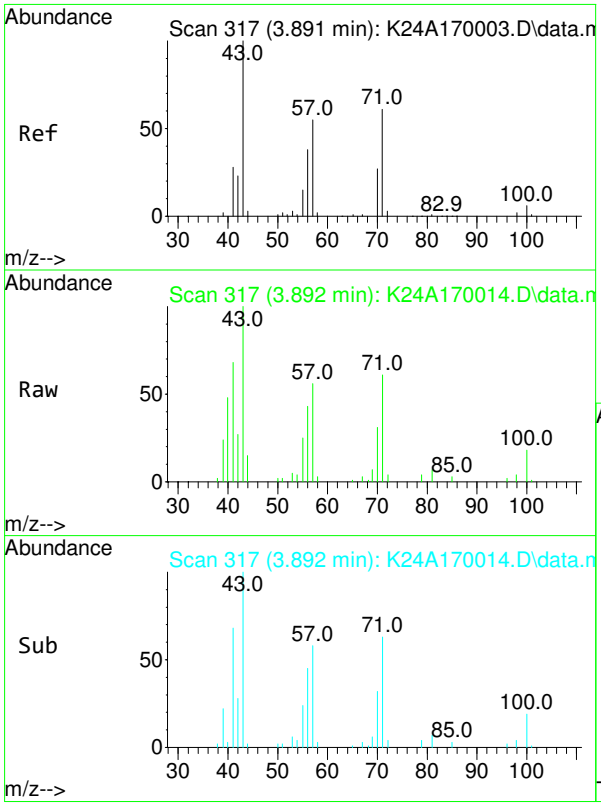


#37
TRICHLOROETHENE
Concen: 0.74 PPBV
RT: 3.769 min Scan# 300
Delta R.T. 0.002 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion: 95 Resp: 7837

Ion	Ratio	Lower	Upper
95	100		
130	102.9	65.4	105.4
132	98.5	61.7	101.7

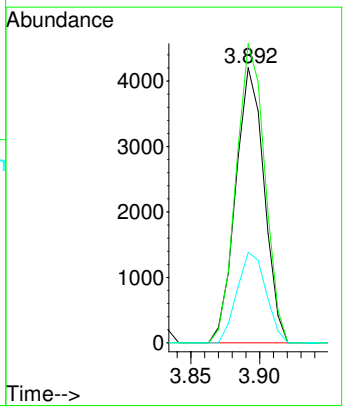


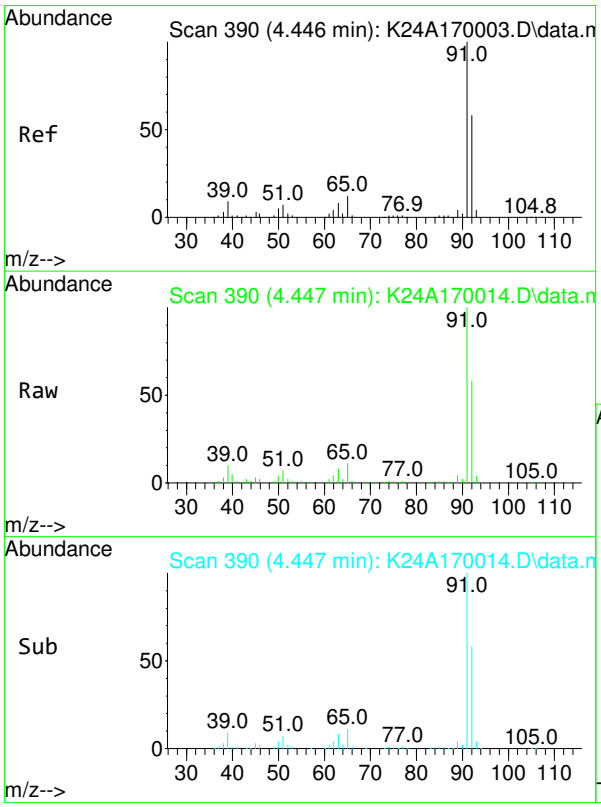


#40
HEPTANE
Concen: 0.74 PPBV
RT: 3.892 min Scan# 317
Delta R.T. -0.003 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion: 57 Resp: 6052

Ion	Ratio	Lower	Upper
57	100		
71	109.4	86.0	126.0
100	33.2	8.8	48.8

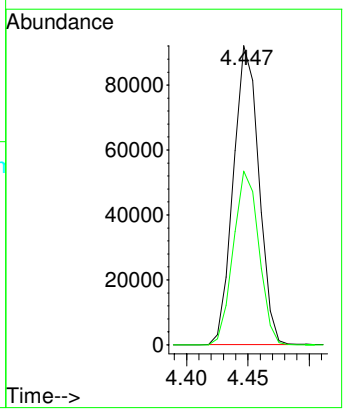


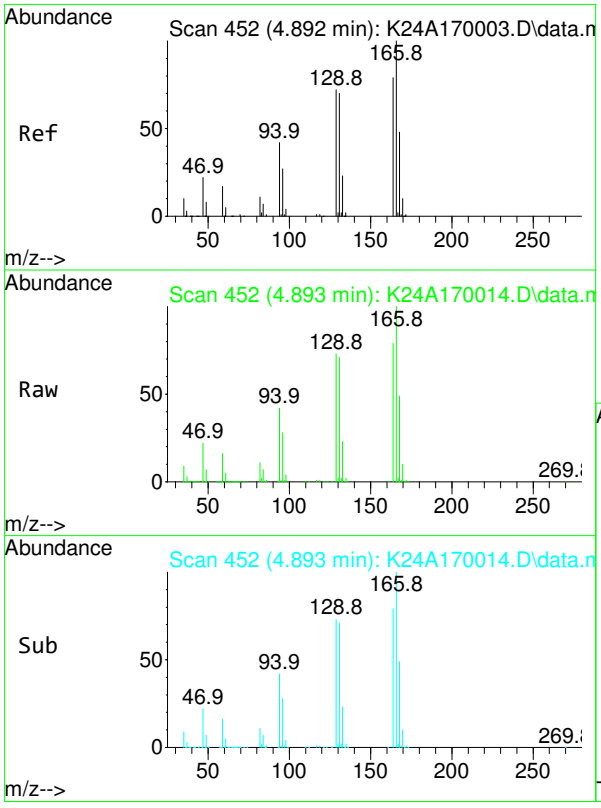


#46
TOLUENE
Concen: 4.87 PPBV
RT: 4.447 min Scan# 390
Delta R.T. -0.004 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion: 91 Resp: 133251

Ion	Ratio	Lower	Upper
91	100		
92	58.4	39.3	79.3

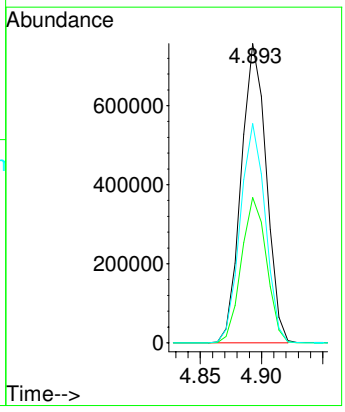


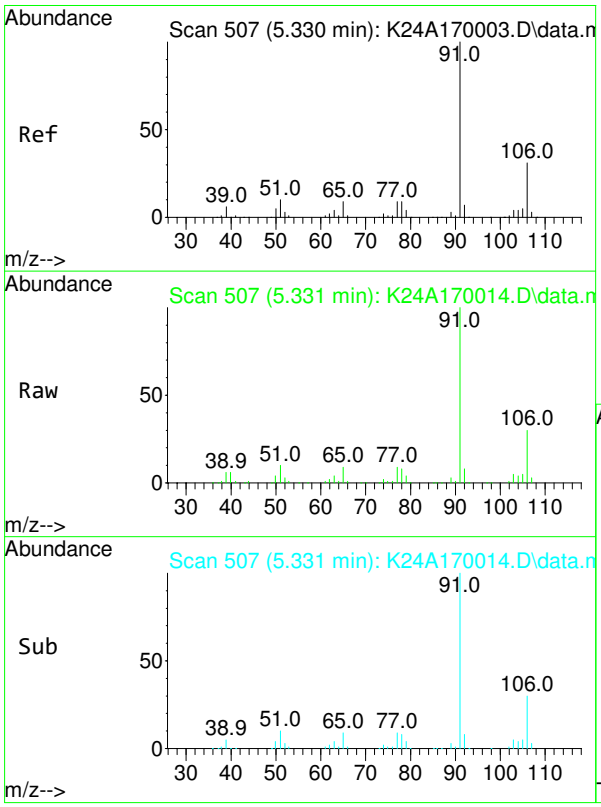


#50
TETRACHLOROETHENE
Concen: 95.70 PPBV
RT: 4.893 min Scan# 452
Delta R.T. 0.002 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion:166 Resp: 1081335

Ion	Ratio	Lower	Upper
166	100		
168	48.5	27.6	67.6
129	72.7	63.9	103.9

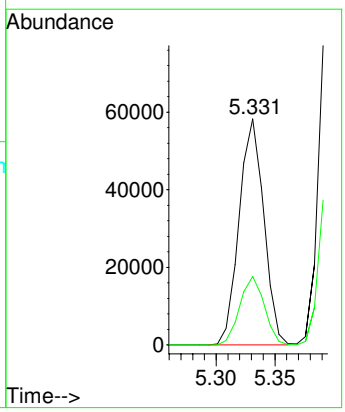


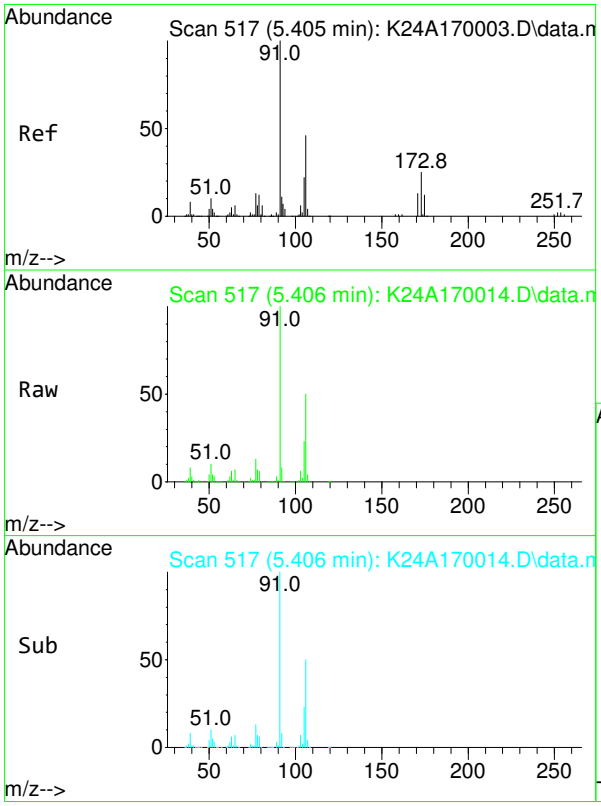


#52
ETHYLBENZENE
Concen: 2.47 PPBV
RT: 5.331 min Scan# 507
Delta R.T. 0.001 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion: 91 Resp: 85292

Ion	Ratio	Lower	Upper
91	100		
106	30.1	8.7	48.7

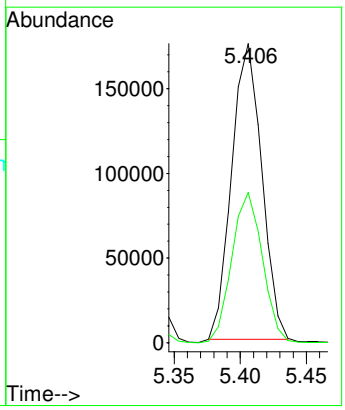


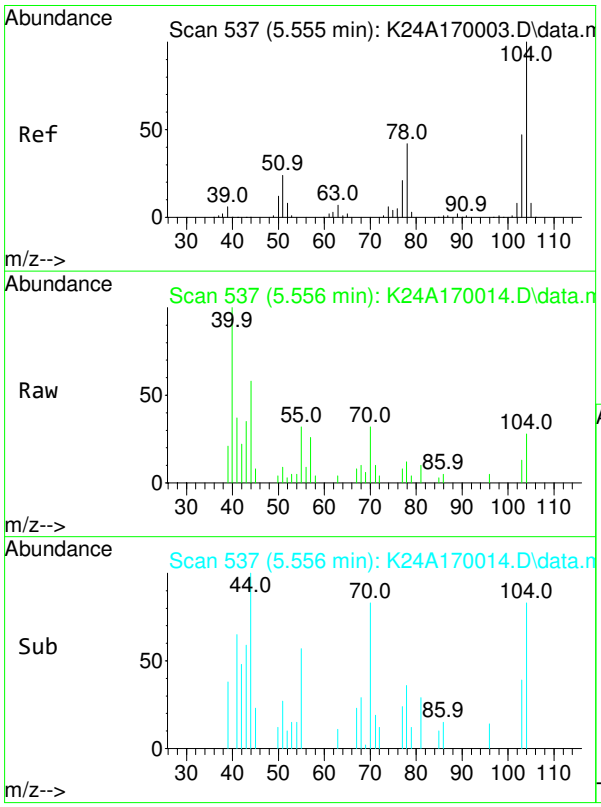


#53
M/P-XYLENE
Concen: 9.94 PPBV
RT: 5.406 min Scan# 517
Delta R.T. -0.003 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion: 91 Resp: 276545

Ion	Ratio	Lower	Upper
91	100		
106	50.3	24.2	64.2

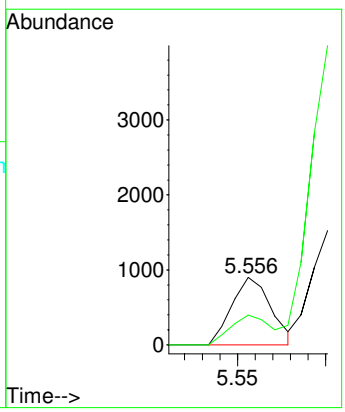


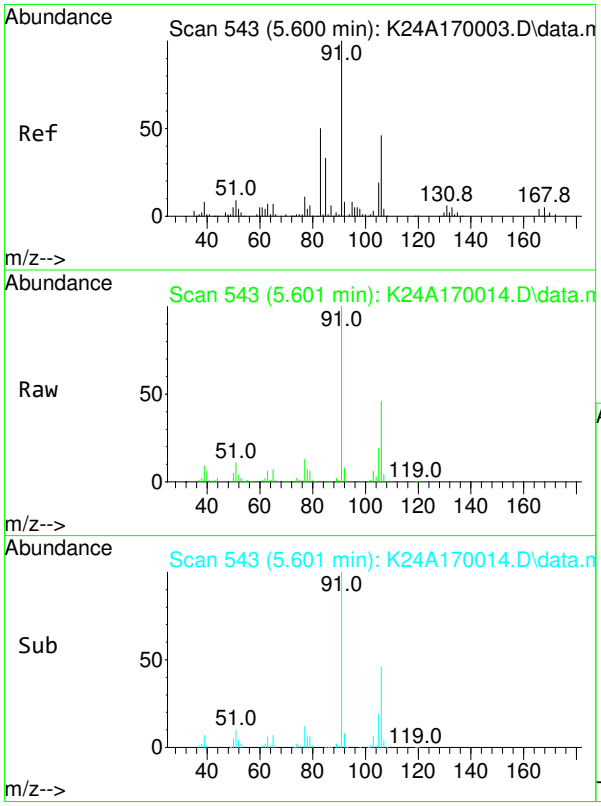


#55
STYRENE
Concen: 0.08 PPBV
RT: 5.556 min Scan# 537
Delta R.T. -0.002 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion:104 Resp: 1388

Ion	Ratio	Lower	Upper
104	100		
78	43.8	27.9	67.9

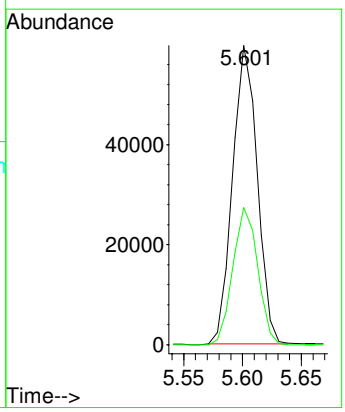


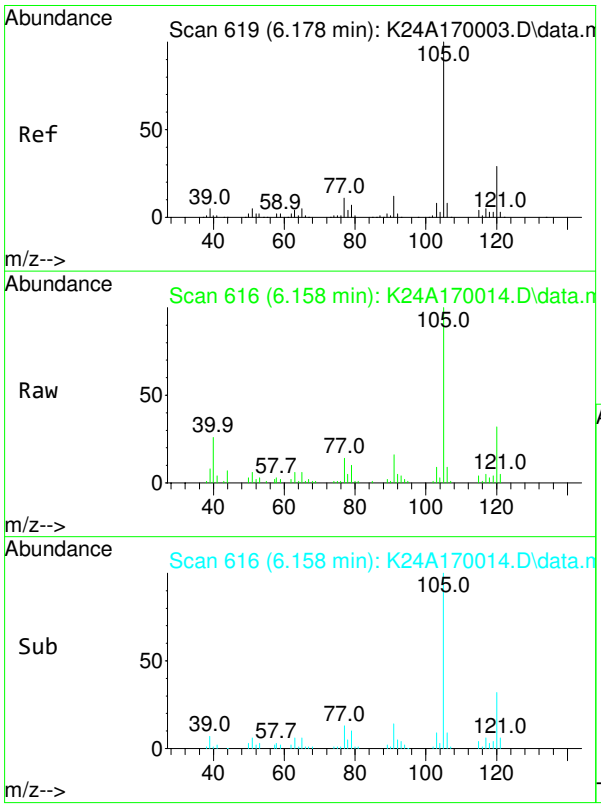


#56
O-XYLENE
Concen: 3.25 PPBV
RT: 5.601 min Scan# 543
Delta R.T. -0.005 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion: 91 Resp: 87106

Ion	Ratio	Lower	Upper
91	100		
106	46.3	23.5	63.5

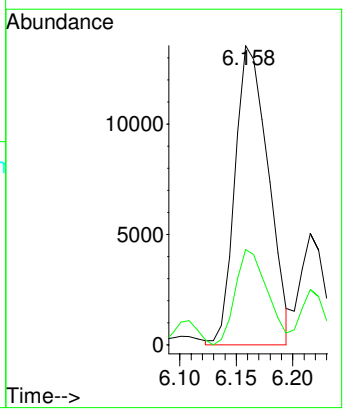


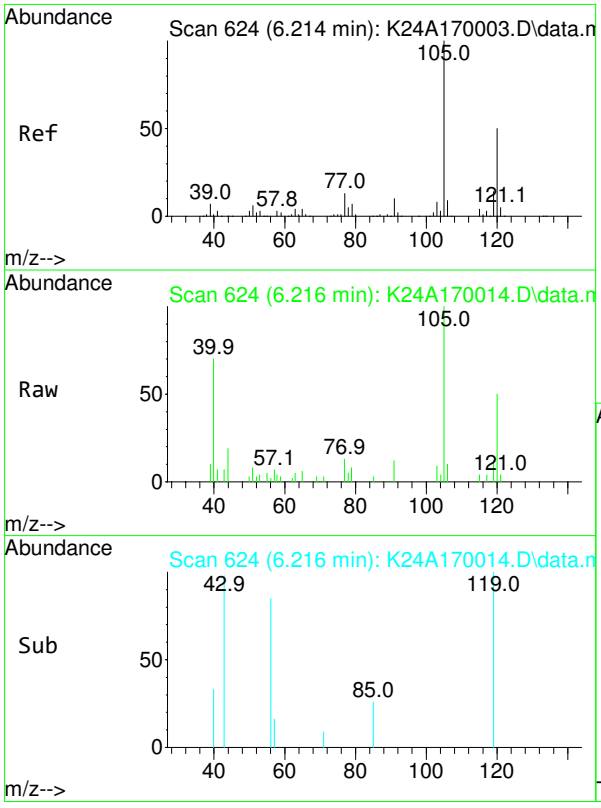


#59
4-ETHYLTOLUENE
Concen: 0.80 PPBV m
RT: 6.158 min Scan# 616
Delta R.T. -0.023 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion:105 Resp: 27724

Ion	Ratio	Lower	Upper
105	100		
120	22.8	7.3	47.3

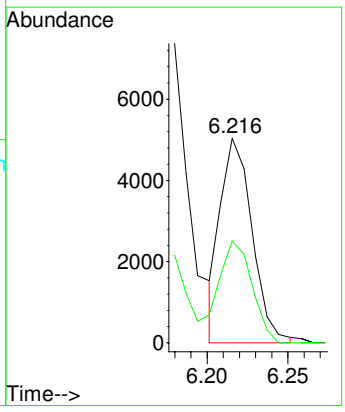


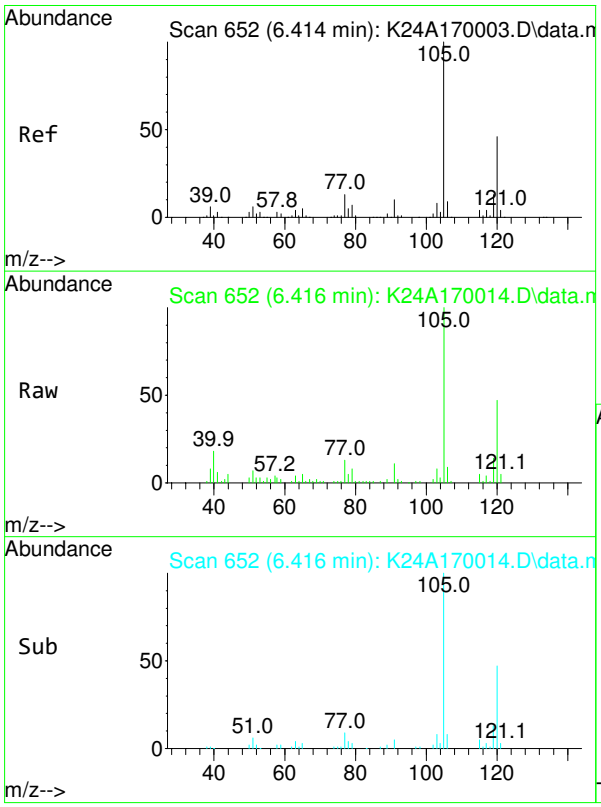


#60
1,3,5-TRIMETHYLBENZENE
Concen: 0.27 PPBV m
RT: 6.216 min Scan# 624
Delta R.T. -0.001 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion:105 Resp: 6812

Ion	Ratio	Lower	Upper
105	100		
120	41.4	26.9	66.9

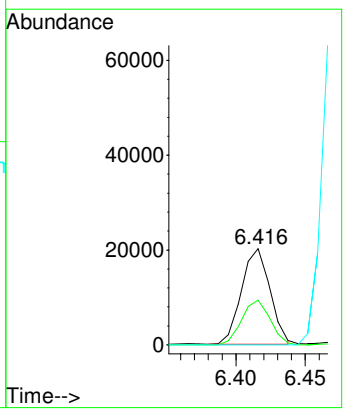


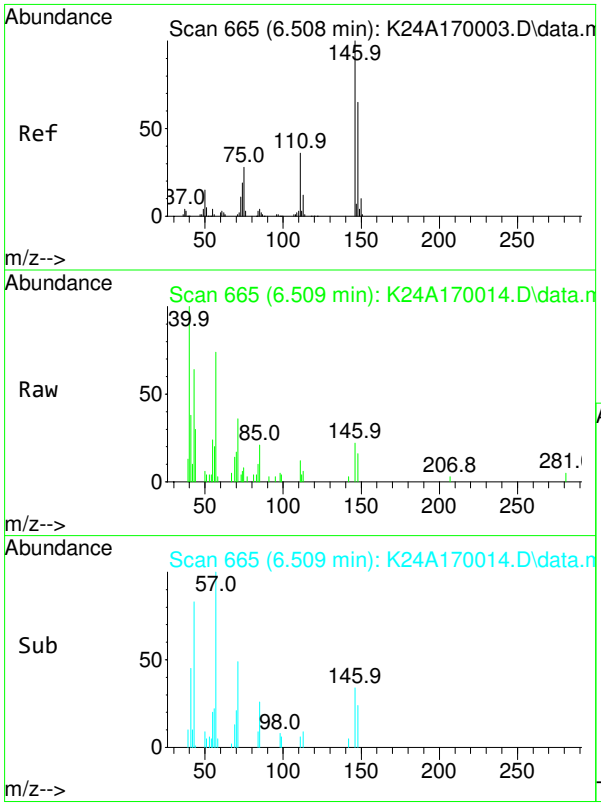


#61
1,2,4-TRIMETHYLBENZENE
Concen: 1.04 PPBV
RT: 6.416 min Scan# 652
Delta R.T. -0.000 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion:105 Resp: 28755

Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.6	63.6
281	0.0	0.0	20.0

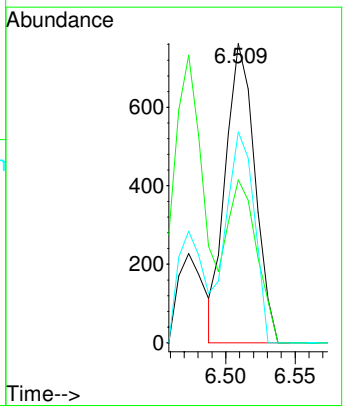


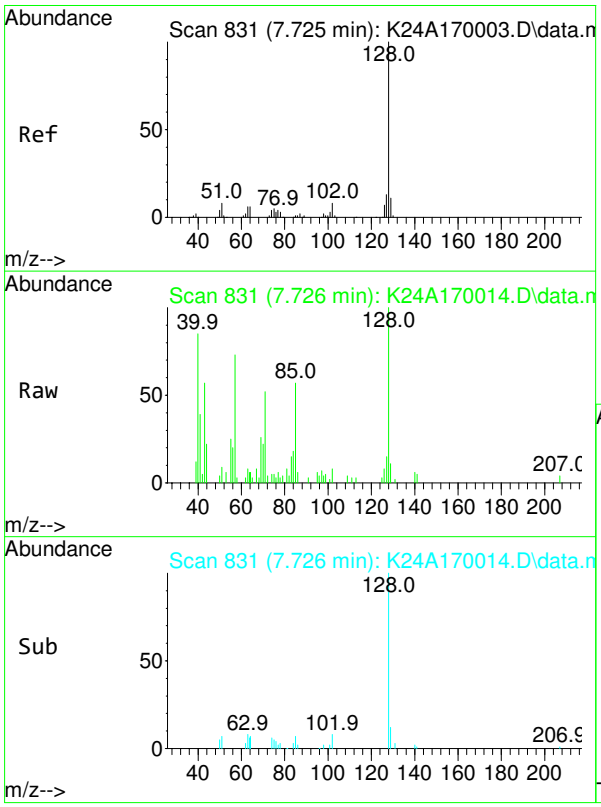


#64
1,4-DICHLOROBENZENE
Concen: 0.08 PPBV
RT: 6.509 min Scan# 665
Delta R.T. 0.001 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion:146 Resp: 1119

Ion	Ratio	Lower	Upper
146	100		
111	54.0	24.6	64.6
148	67.6	43.6	83.6

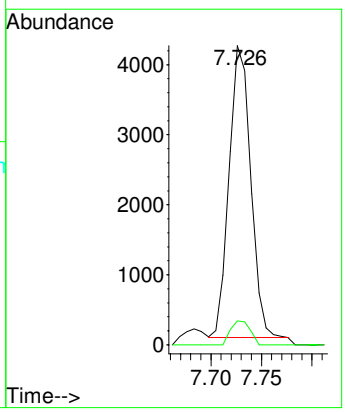


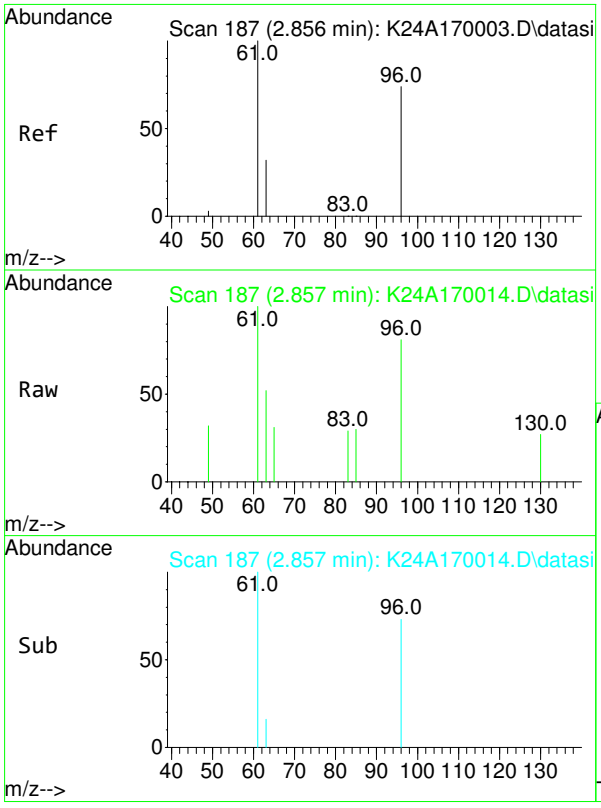


#67
NAPHTHALENE
Concen: 0.31 PPBV
RT: 7.726 min Scan# 831
Delta R.T. -0.002 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion:128 Resp: 6214

Ion	Ratio	Lower	Upper
128	100		
102	7.4	7.4	11.2#

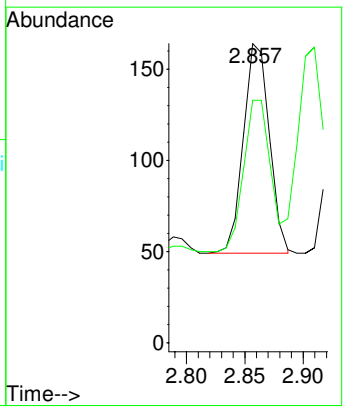


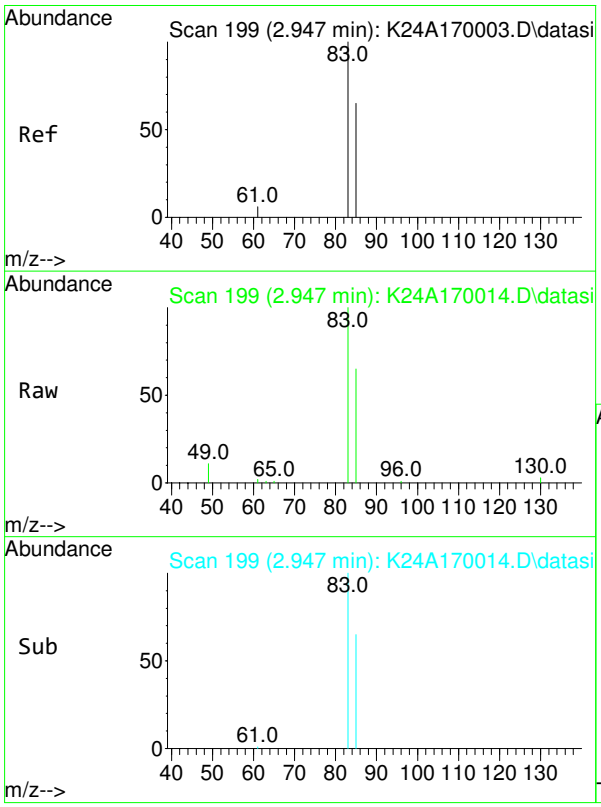


#74
CIS-1,2-DICHLOROETHENE (SIM)
Concen: 0.02 PPBV
RT: 2.857 min Scan# 187
Delta R.T. -0.001 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion: 61 Resp: 178

Ion	Ratio	Lower	Upper
61	100		
96	73.6	42.7	82.7

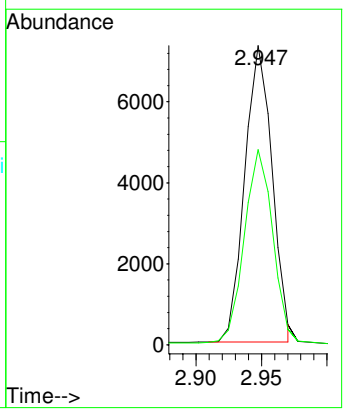


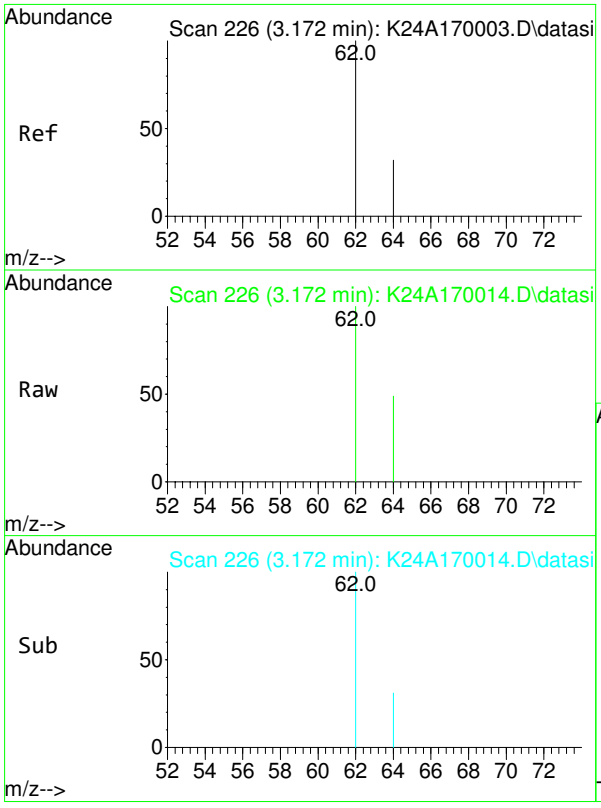


#75
CHLOROFORM (SIM)
Concen: 0.72 PPBV
RT: 2.947 min Scan# 199
Delta R.T. 0.004 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion: 83 Resp: 10632

Ion	Ratio	Lower	Upper
83	100		
85	66.5	43.9	83.9

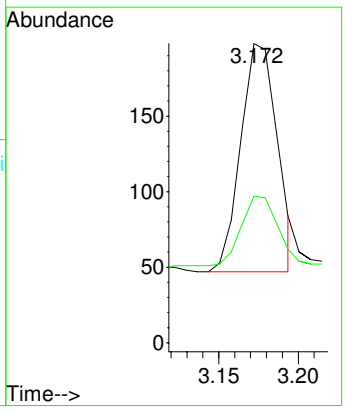


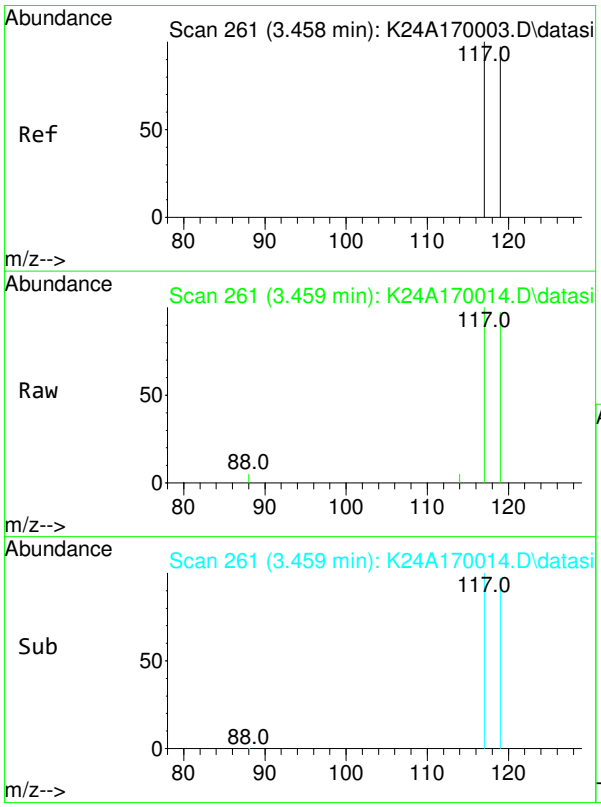


#76
1,2-DICHLOROETHANE (SIM)
Concen: 0.02 PPBV
RT: 3.172 min Scan# 226
Delta R.T. 0.003 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion: 62 Resp: 240

Ion	Ratio	Lower	Upper
62	100		
64	30.0	12.1	52.1

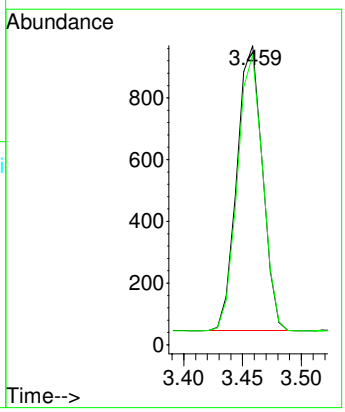


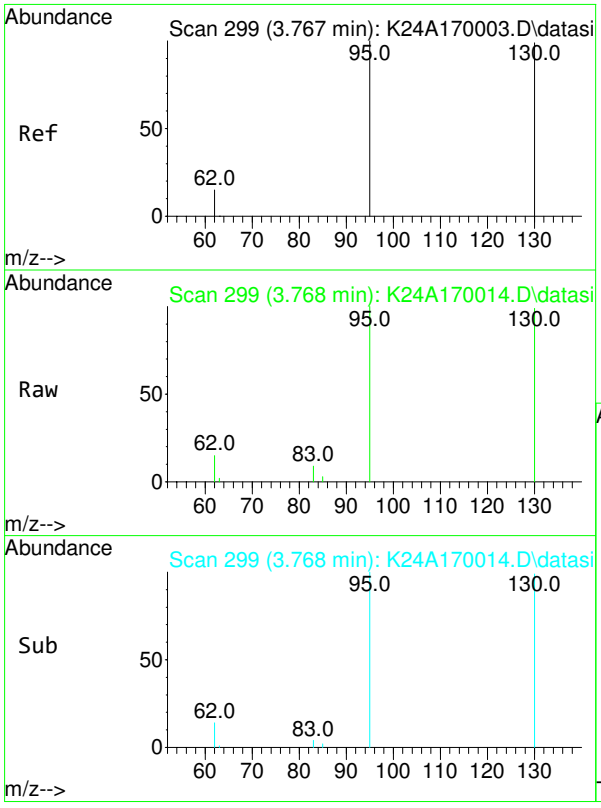


#78
CARBON TETRACHLORIDE (SIM)
Concen: 0.09 PPBV
RT: 3.459 min Scan# 261
Delta R.T. 0.005 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion:117 Resp: 1396

Ion	Ratio	Lower	Upper
117	100		
119	96.0	75.8	115.8

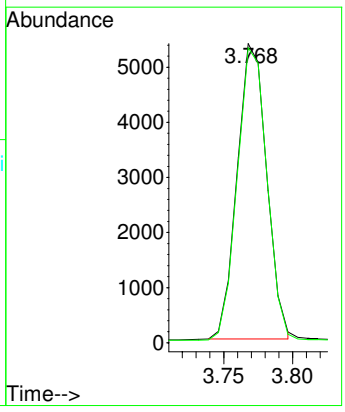


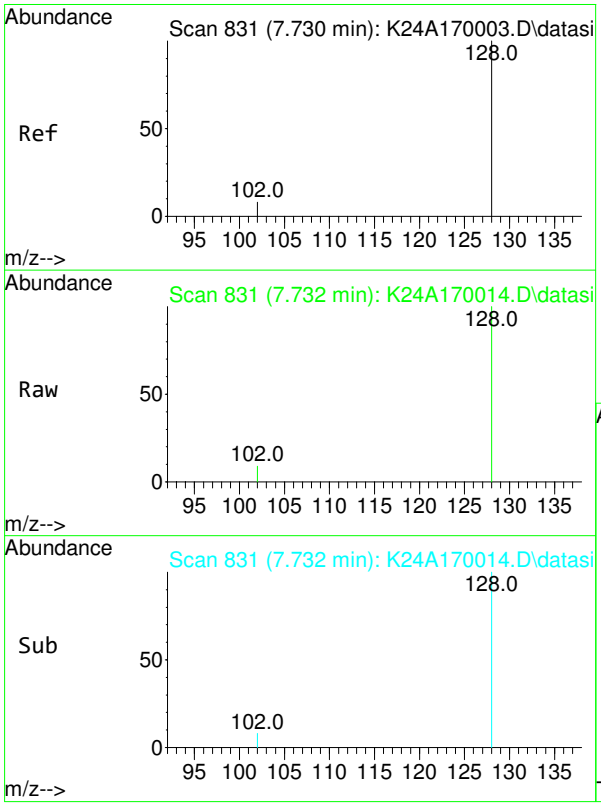


#81
TRICHLOROETHENE (SIM)
Concen: 0.70 PPBV
RT: 3.768 min Scan# 299
Delta R.T. -0.002 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion: 95 Resp: 7987

Ion	Ratio	Lower	Upper
95	100		
130	99.1	66.1	106.1

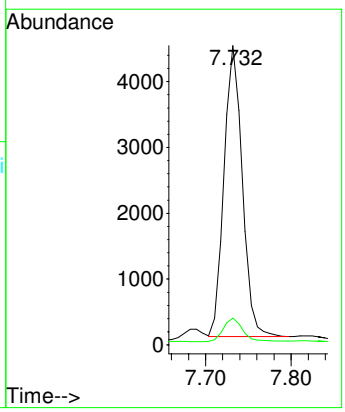




#89
NAPHTHALENE (SIM)
Concen: 0.29 PPBV
RT: 7.732 min Scan# 831
Delta R.T. 0.001 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion:128 Resp: 6569

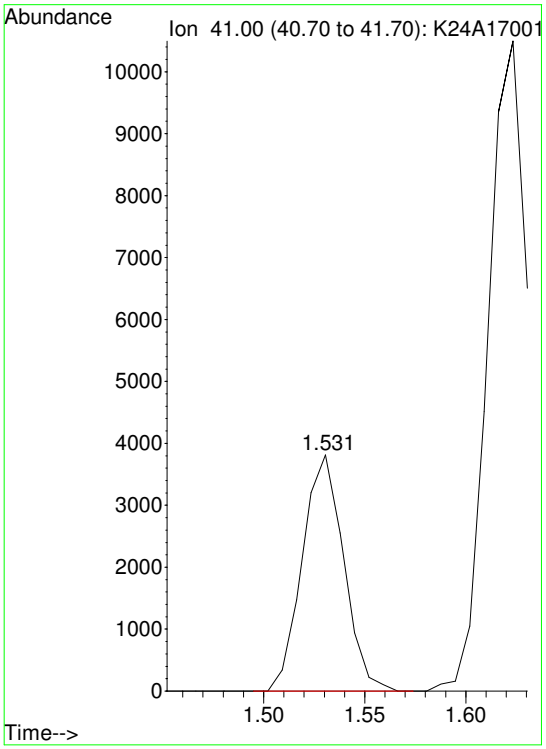
Ion	Ratio	Lower	Upper
128	100		
102	8.7	0.0	29.2



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170014.D
Acq On : 18 Jun 2024 05:18 pm
Operator : CMR
Sample : 24F1161-04 DUP 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Wed Jun 19 11:21:13 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
PROPENE



Original Int. Results

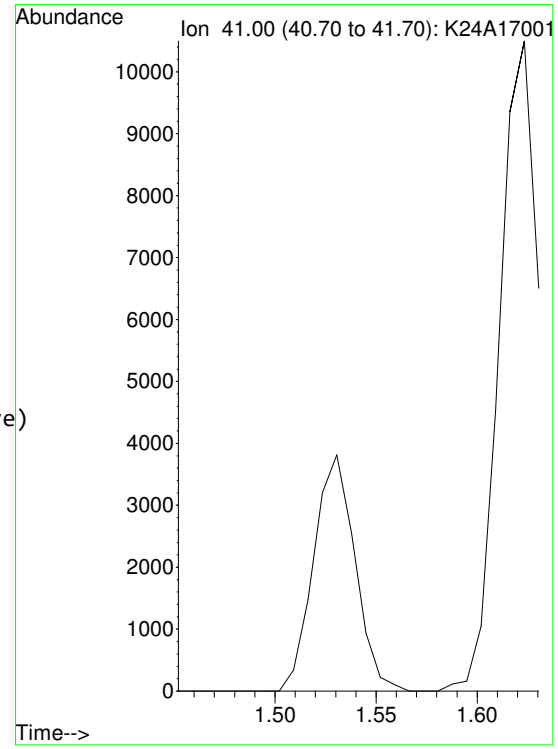
RT : 1.53
Area : 5408
Amount: 1.34658

Manual Int. Results

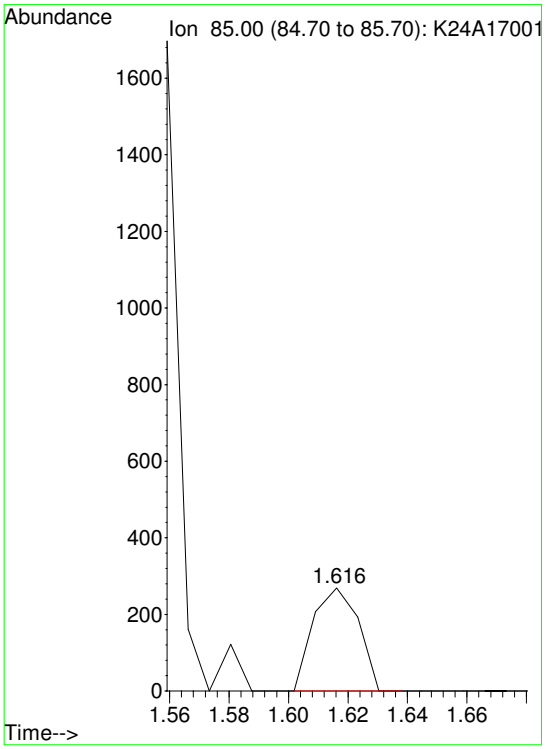
Wed Jun 19 11:17:47 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
FREON 114



Original Int. Results

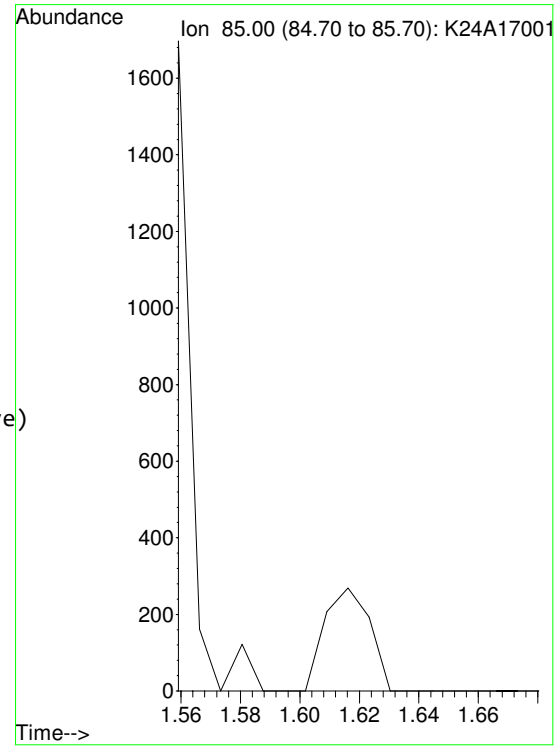
RT : 1.62
Area : 286
Amount: 0.0160219

Manual Int. Results

Wed Jun 19 11:17:55 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

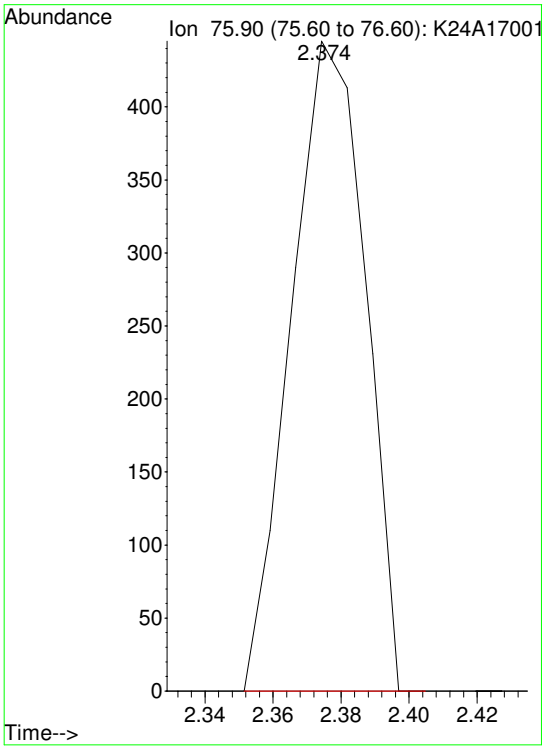
Manual Integration
FREON 114



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170014.D
Acq On : 18 Jun 2024 05:18 pm
Operator : CMR
Sample : 24F1161-04 DUP 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Wed Jun 19 11:21:13 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
CARBON DISULFIDE



Original Int. Results

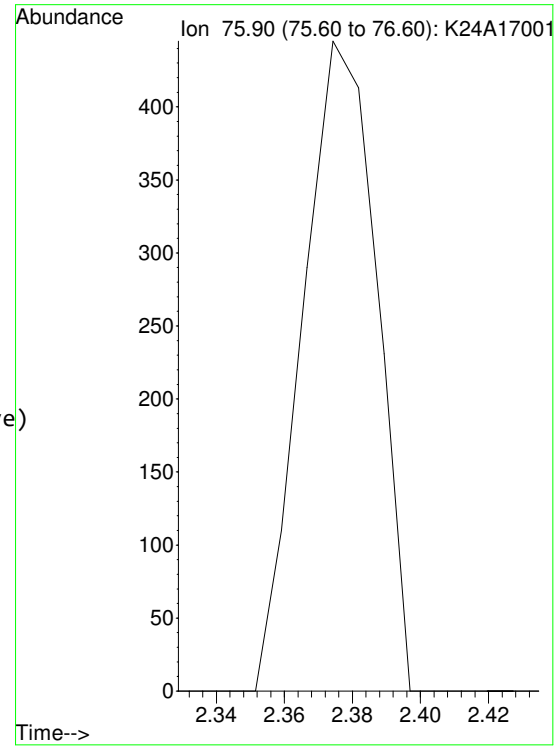
RT : 2.37
Area : 676
Amount: 0.0360435

Manual Int. Results

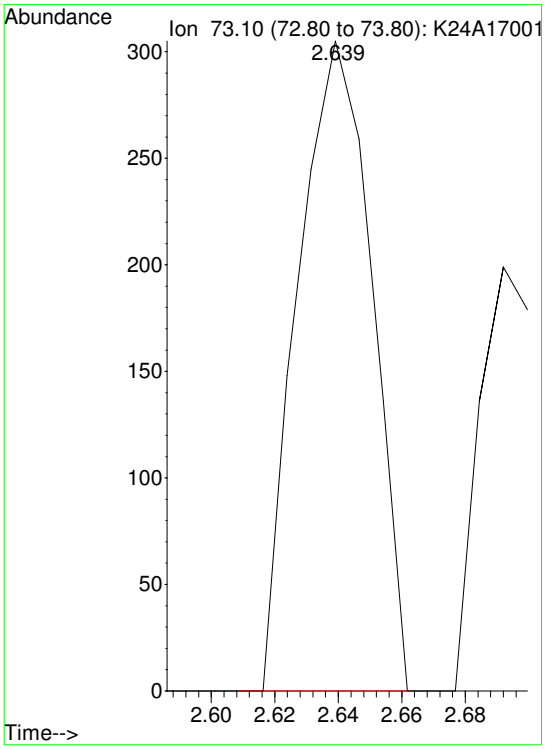
Wed Jun 19 11:18:03 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CARBON DISULFIDE



Original Integration
MTBE



Original Int. Results

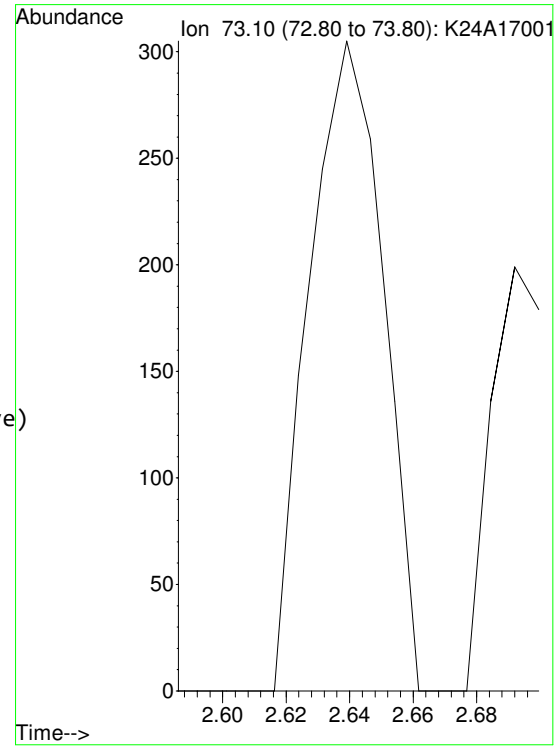
RT : 2.64
Area : 496
Amount: 0.0262631

Manual Int. Results

Wed Jun 19 11:18:06 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

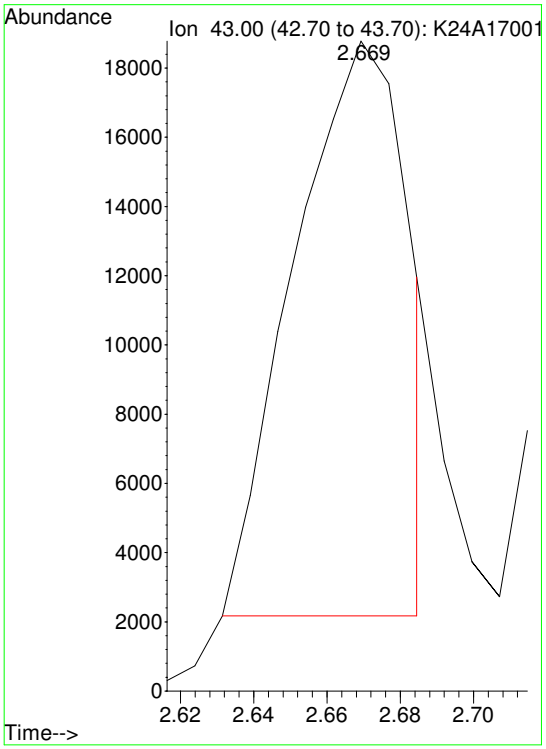
Manual Integration
MTBE



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170014.D
Acq On : 18 Jun 2024 05:18 pm
Operator : CMR
Sample : 24F1161-04 DUP 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Wed Jun 19 11:21:13 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
VINYL ACETATE



Original Int. Results

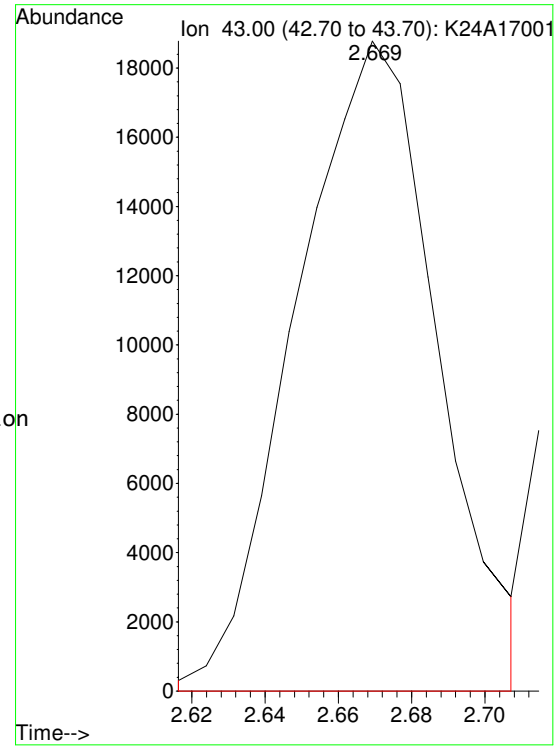
RT : 2.67
Area : 36138
Amount: 1.98943

Manual Int. Results

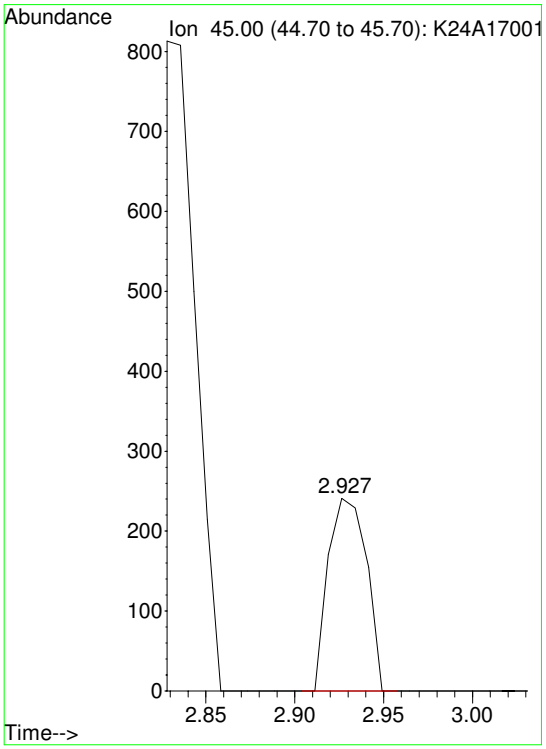
Wed Jun 19 11:18:12 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 2.67
Area : 50585
Amount: 2.78475

Manual Integration
VINYL ACETATE



Original Integration
ETHYL ACETATE



Original Int. Results

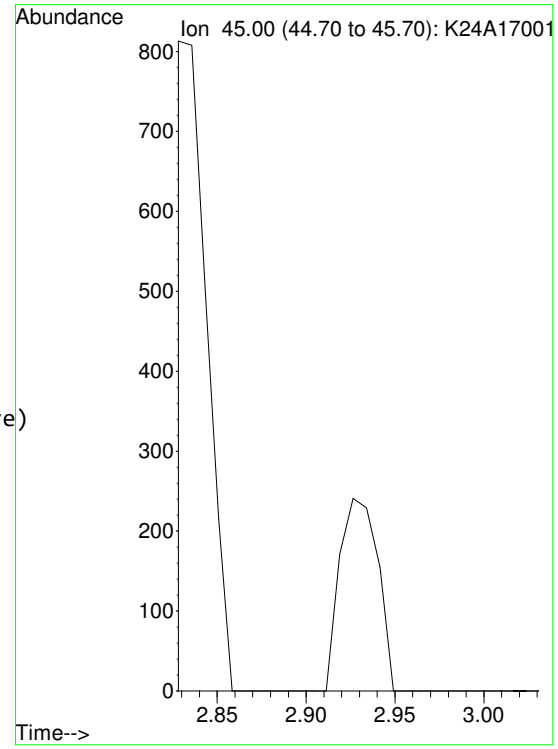
RT : 2.93
Area : 361
Amount: 0.174237

Manual Int. Results

Wed Jun 19 11:20:13 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

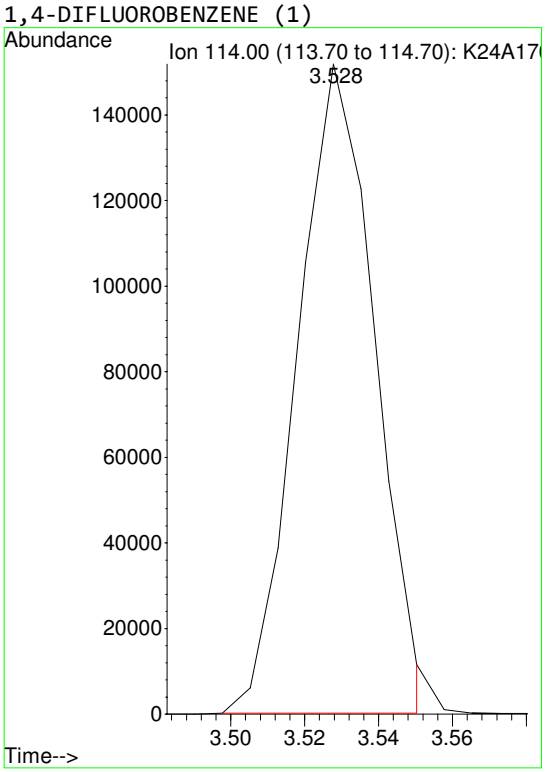
Manual Integration
ETHYL ACETATE



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170014.D
Acq On : 18 Jun 2024 05:18 pm
Operator : CMR
Sample : 24F1161-04 DUP 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Wed Jun 19 11:21:13 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
1,4-DIFLUOROBENZENE (1)



Original Int. Results

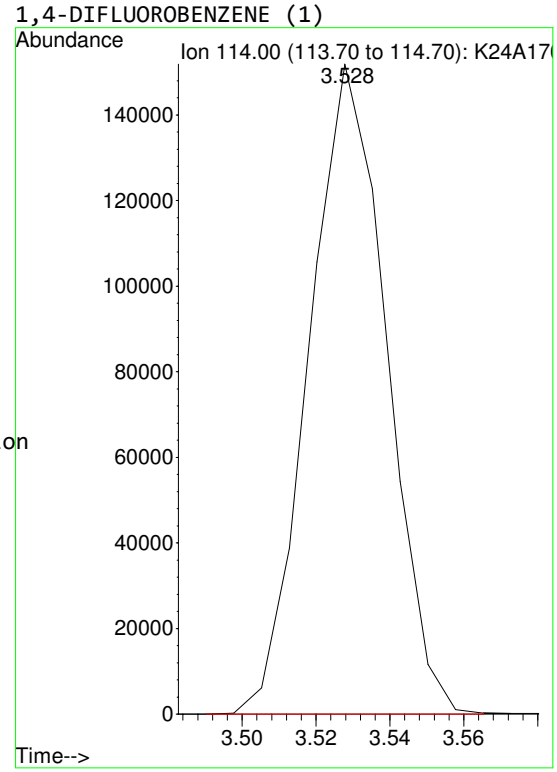
RT : 3.53
Area : 220374
Amount: 8

Manual Int. Results

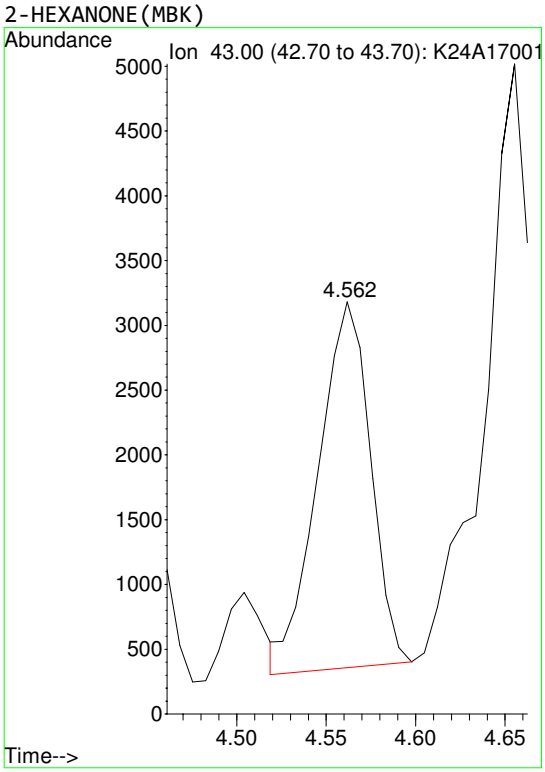
Wed Jun 19 11:20:19 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 3.53
Area : 221796
Amount: 8

Manual Integration
1,4-DIFLUOROBENZENE (1)



Original Integration
2-HEXANONE(MBK)



Original Int. Results

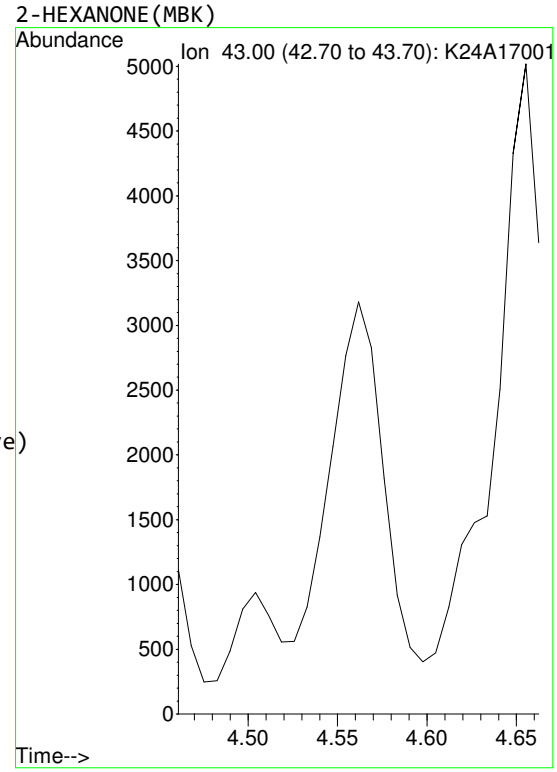
RT : 4.56
Area : 5770
Amount: 0.368667

Manual Int. Results

Wed Jun 19 11:20:38 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

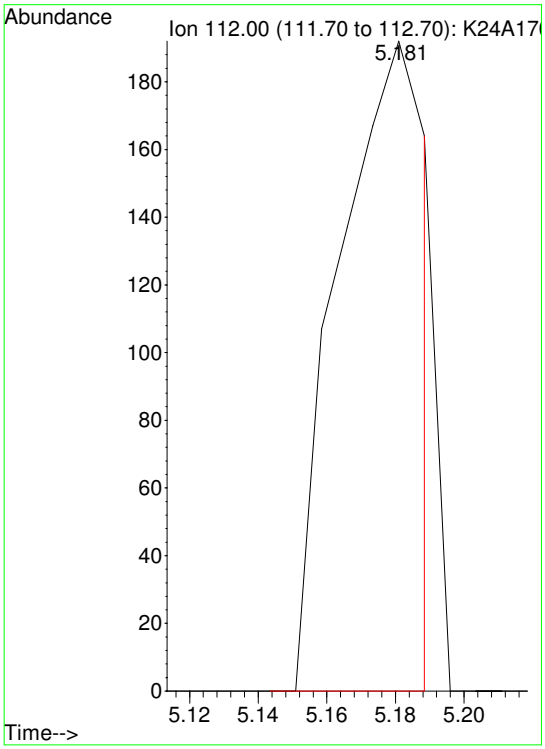
Manual Integration
2-HEXANONE(MBK)



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170014.D
Acq On : 18 Jun 2024 05:18 pm
Operator : CMR
Sample : 24F1161-04 DUP 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Wed Jun 19 11:21:13 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
CHLOROBENZENE



Original Int. Results

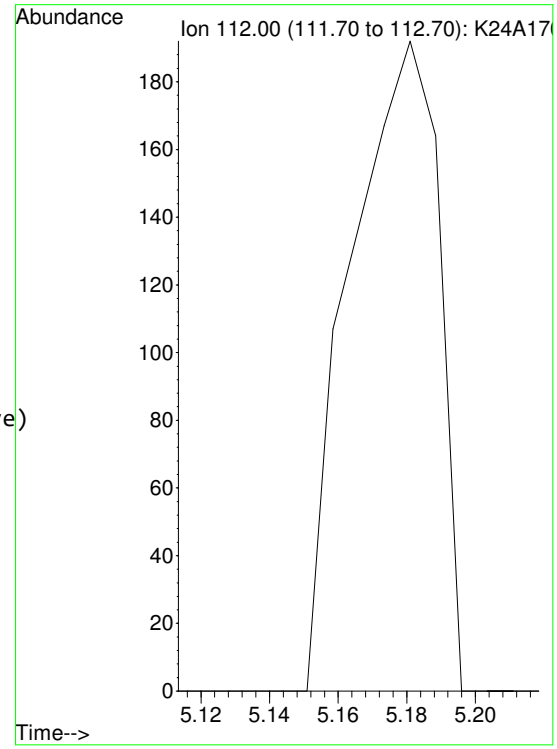
RT : 5.18
Area : 345
Amount: 0.0158997

Manual Int. Results

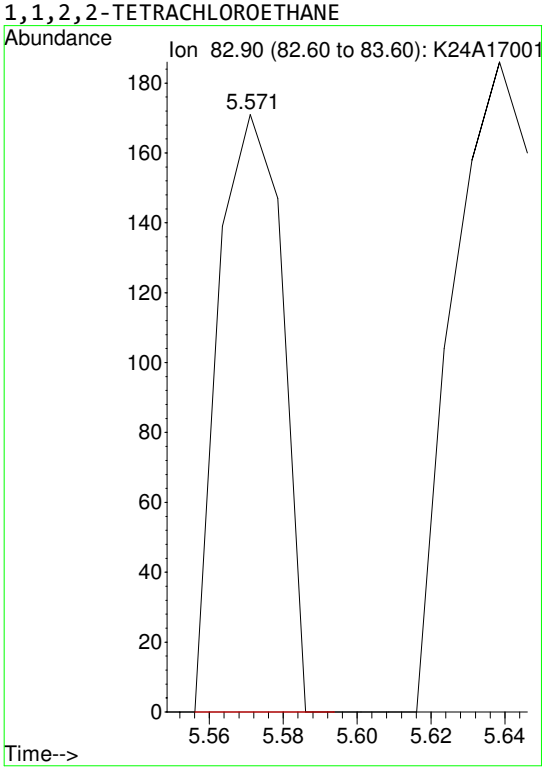
Wed Jun 19 11:20:41 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROBENZENE



Original Integration
1,1,2,2-TETRACHLOROETHANE



Original Int. Results

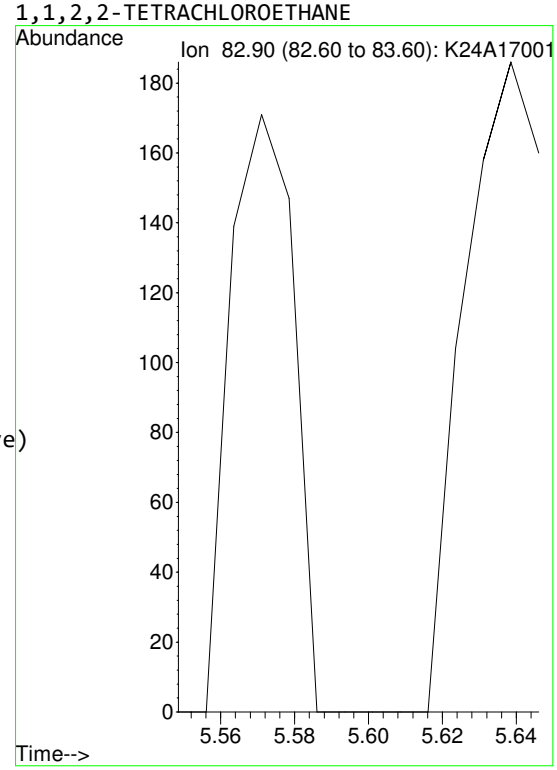
RT : 5.57
Area : 206
Amount: 0.0100758

Manual Int. Results

Wed Jun 19 11:20:46 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

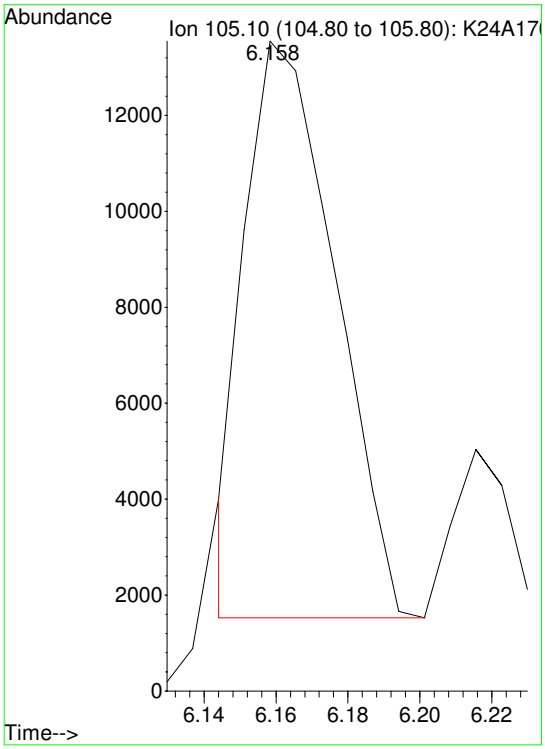
Manual Integration
1,1,2,2-TETRACHLOROETHANE



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170014.D
Acq On : 18 Jun 2024 05:18 pm
Operator : CMR
Sample : 24F1161-04 DUP 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Wed Jun 19 11:21:13 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
4-ETHYLTOLUENE



Original Int. Results

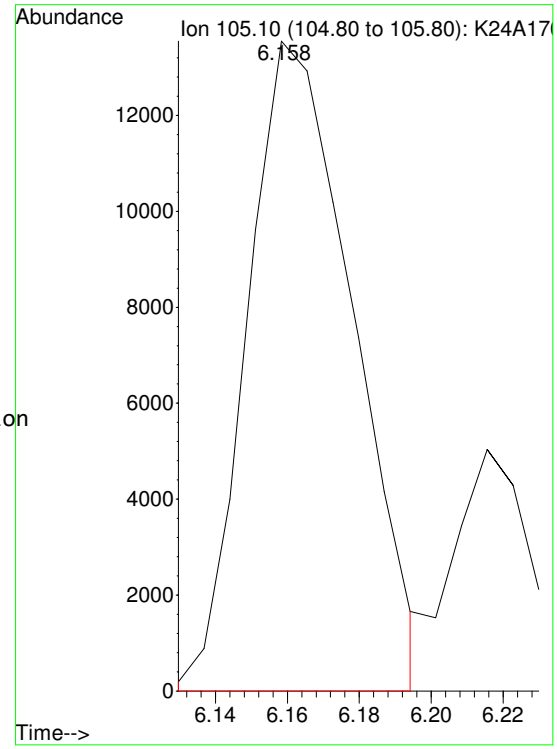
RT : 6.16
Area : 20949
Amount: 0.604823

Manual Int. Results

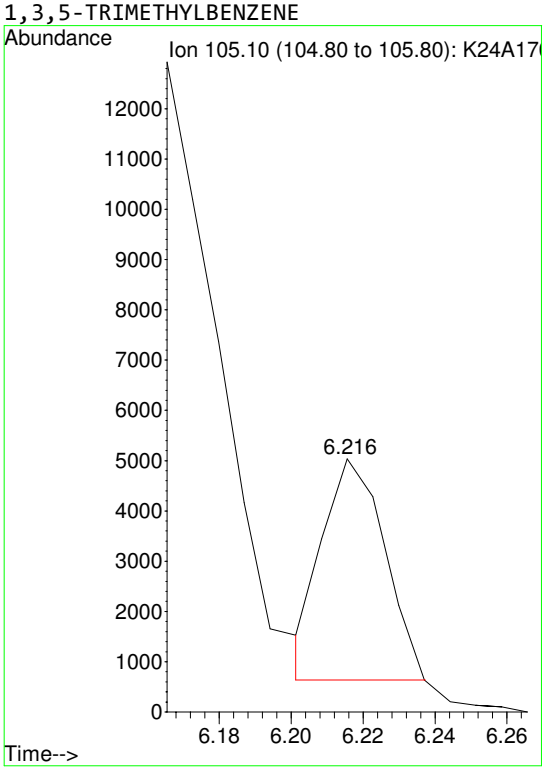
Wed Jun 19 11:20:49 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 6.16
Area : 27724
Amount: 0.800425

Manual Integration
4-ETHYLTOLUENE



Original Integration
1,3,5-TRIMETHYLBENZENE



Original Int. Results

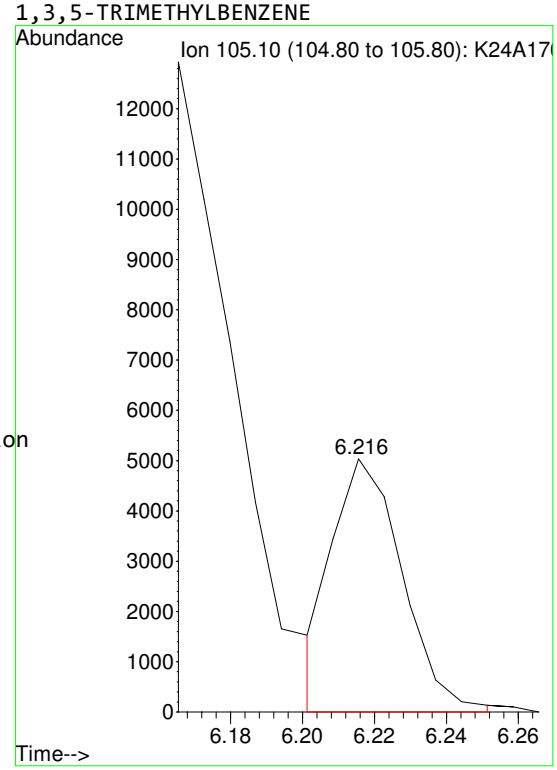
RT : 6.22
Area : 5301
Amount: 0.207712

Manual Int. Results

Wed Jun 19 11:20:53 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 6.22
Area : 6812
Amount: 0.266919

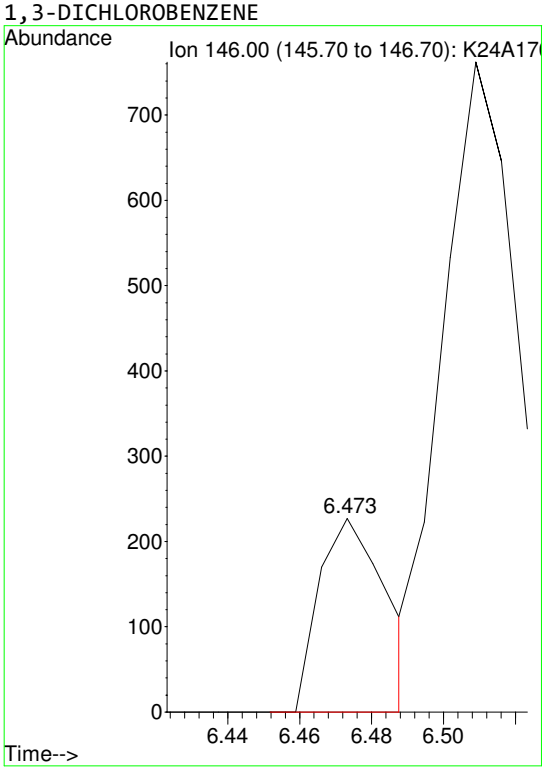
Manual Integration
1,3,5-TRIMETHYLBENZENE



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170014.D
Acq On : 18 Jun 2024 05:18 pm
Operator : CMR
Sample : 24F1161-04 DUP 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Wed Jun 19 11:21:13 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
1,3-DICHLOROBENZENE



Original Int. Results

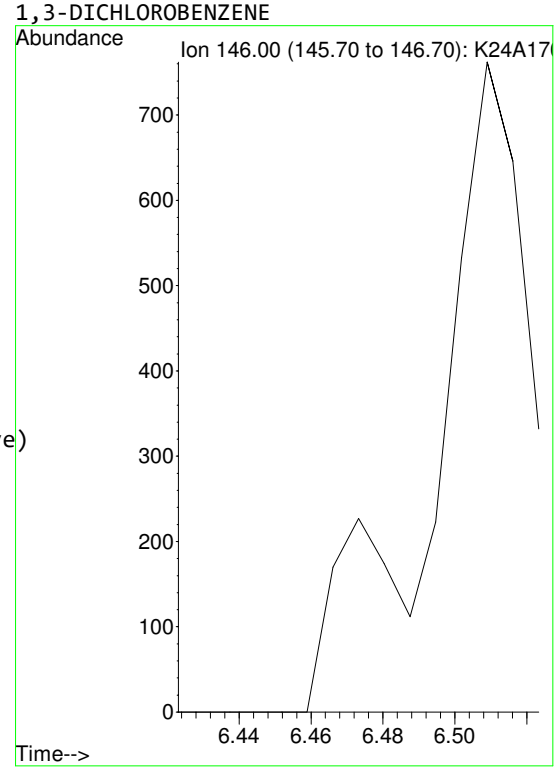
RT : 6.47
Area : 293
Amount: 0.0170837

Manual Int. Results

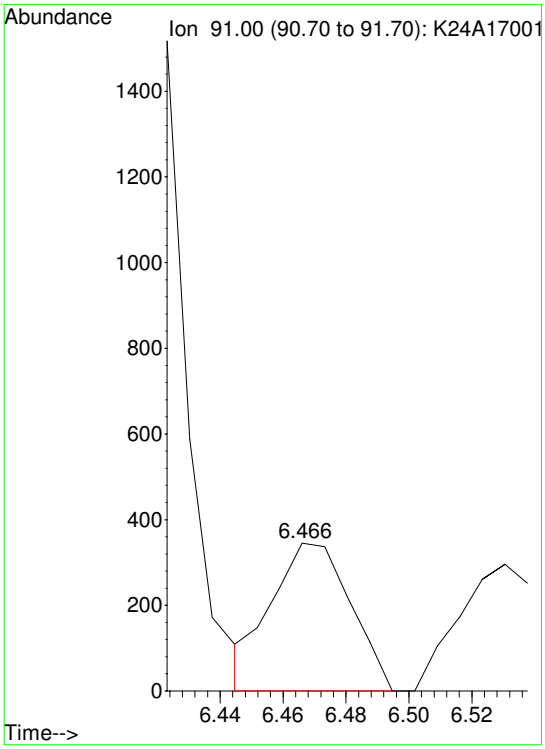
Wed Jun 19 11:20:56 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,3-DICHLOROBENZENE



Original Integration
BENZYL CHLORIDE



Original Int. Results

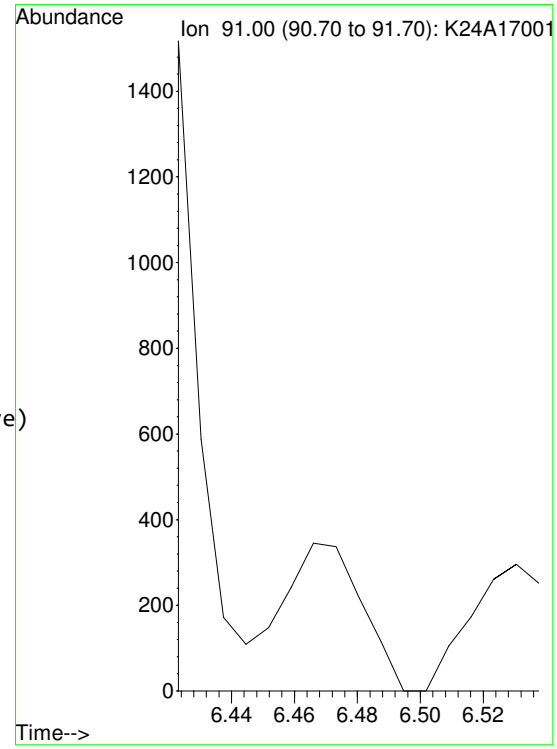
RT : 6.47
Area : 603
Amount: 0.0856628

Manual Int. Results

Wed Jun 19 11:20:58 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

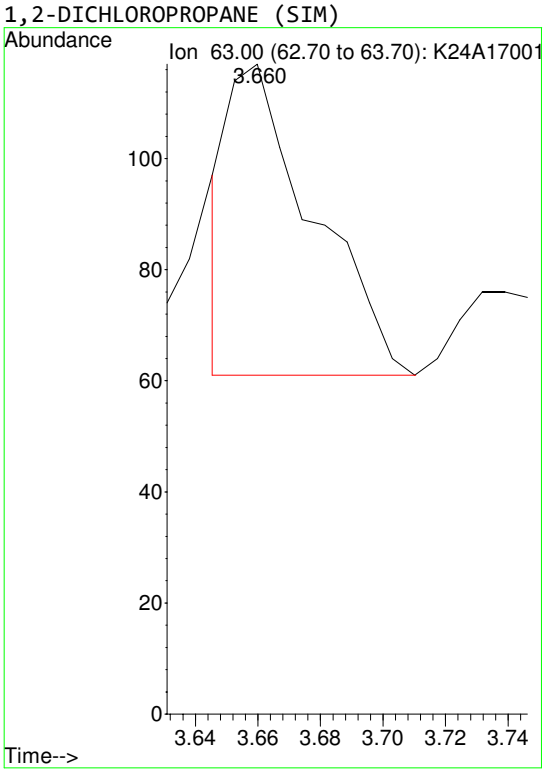
Manual Integration
BENZYL CHLORIDE



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170014.D
Acq On : 18 Jun 2024 05:18 pm
Operator : CMR
Sample : 24F1161-04 DUP 0.7X
Misc : 1.5,1,200,430,0.7X

Quant Time : Wed Jun 19 11:21:13 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
1,2-DICHLOROPROPANE (SIM)



Original Int. Results

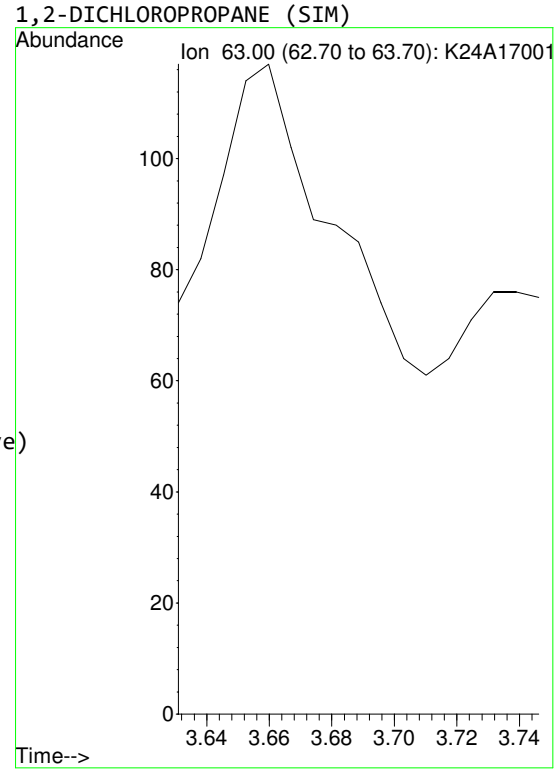
RT : 3.66
Area : 106
Amount: 0.00979089

Manual Int. Results

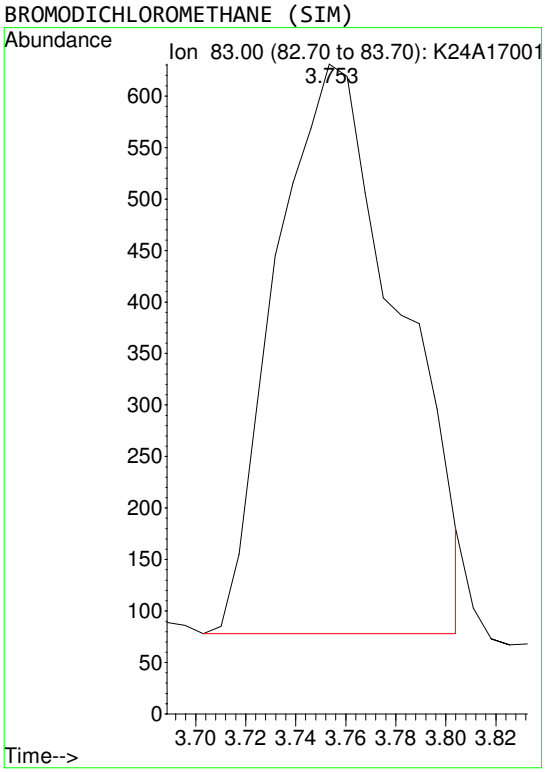
Wed Jun 19 11:21:11 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
1,2-DICHLOROPROPANE (SIM)



Original Integration
BROMODICHLOROMETHANE (SIM)



Original Int. Results

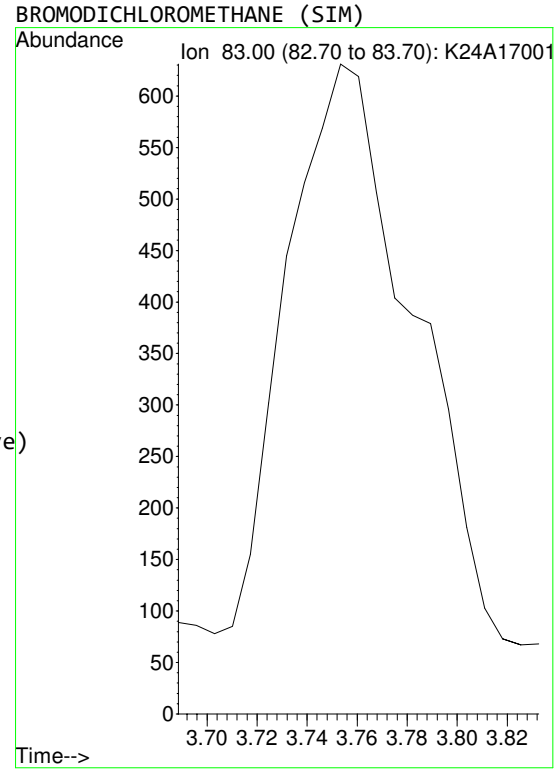
RT : 3.75
Area : 1894
Amount: 0.0969415

Manual Int. Results

Wed Jun 19 11:21:13 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMODICHLOROMETHANE (SIM)



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170014.D
Acq On : 18 Jun 2024 05:18 pm
Operator : CMR
Sample : 24F1161-04 DUP 0.7X Inst : SYSK
Misc : 1.5,1,200,430,0.7X
ALS Vial : 11 Sample Multiplier: 1
InstName : SYSK

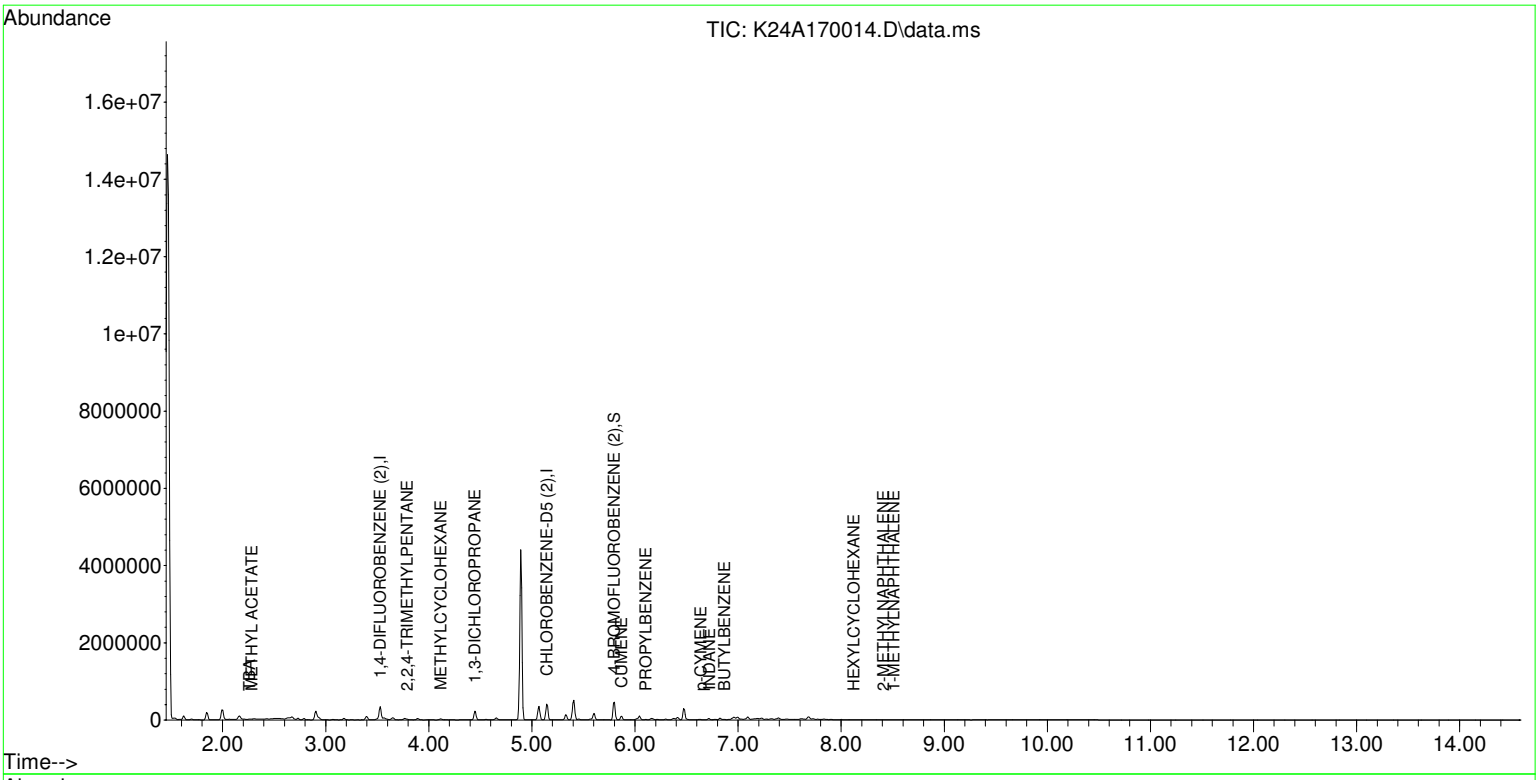
Quant Time: Jun 19 11:56:02 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX051524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed May 15 09:37:36 2024
Response via : Initial Calibration

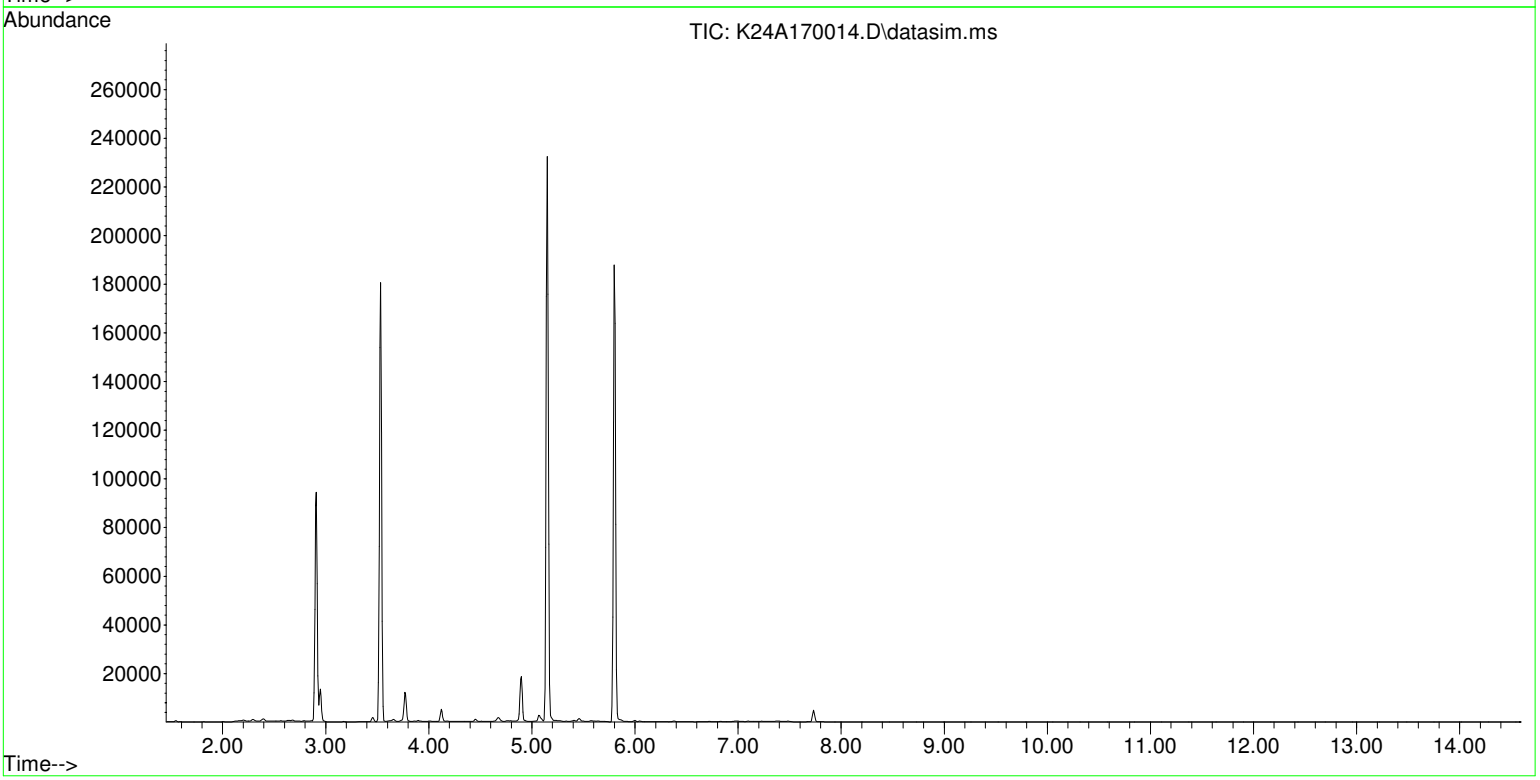
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-DIFLUOROBENZENE (2)	3.528	114	221791	8.000	PPBV		0.00
7) CHLOROBENZENE-D5 (2)	5.143	54	44073	8.000	PPBV		0.00
System Monitoring Compounds							
10) 4-BROMOFLUOROBENZENE (2)	5.800	174	120619	10.035	PPBV		0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 125.37%				
Target Compounds							Qvalue
3) METHYL ACETATE	2.283	43	2754	0.141	PPBV		89
4) TBA	2.261	59	3387	0.148	PPBV	#	69
5) 2,2,4-TRIMETHYLPENTANE	3.791	57	7496	0.135	PPBV	#	39
6) METHYLCYCLOHEXANE	4.116	83	7347	0.366	PPBV		87
8) 1,3-DICHLOROPROPANE	4.447	76	556	0.025	PPBV	#	1
11) CUMENE	5.872	105	54120	0.961	PPBV		95
12) PROPYLBENZENE	6.108	120	1608	0.131	PPBV	#	86
15) p-CYMENE	6.638	119	2862	0.061	PPBV	#	58
16) INDANE	6.724	117	2617	0.069	PPBV		88
18) BUTYLBENZENE	6.867	91	1931	0.036	PPBV	#	42
20) HEXYLCYCLOHEXANE	8.126	83	376	0.014	PPBV		95
21) 2-METHYLNAPHTHALENE	8.412	142	825	0.056	UG/L		86
22) 1-METHYLNAPHTHALENE	8.512	142	511	0.028	UG/L		85

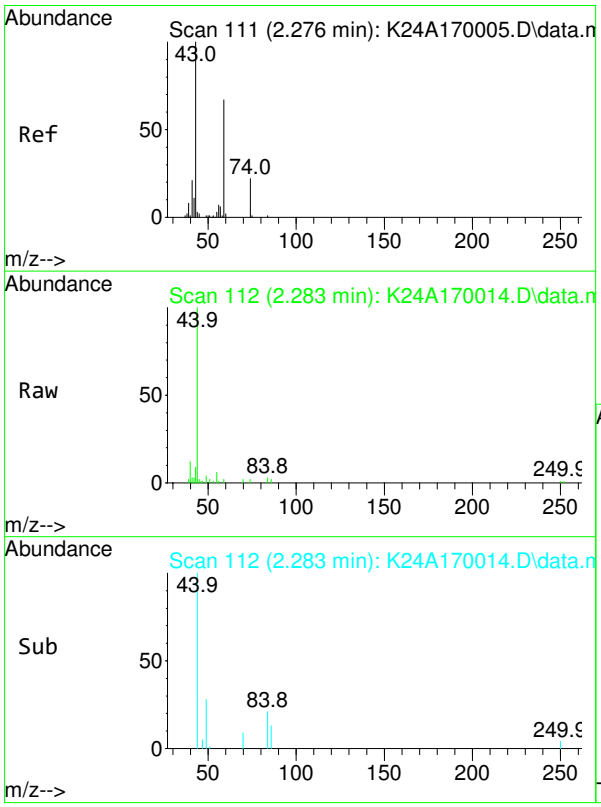
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170014.D
Acq On : 18 Jun 2024 05:18 pm
Operator : CMR
Sample : 24F1161-04 DUP 0.7X Inst : SYSK
Misc : 1.5,1,200,430,0.7X
ALS Vial : 11 Sample Multiplier: 1
InstName : SYSK

Quant Time: Jun 19 11:56:02 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX051524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed May 15 09:37:36 2024
Response via : Initial Calibration



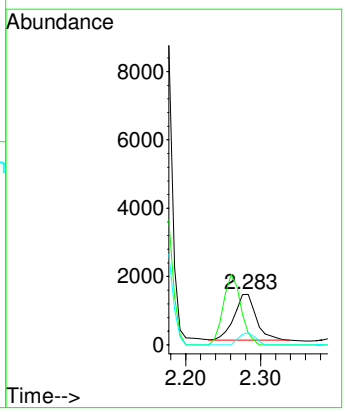


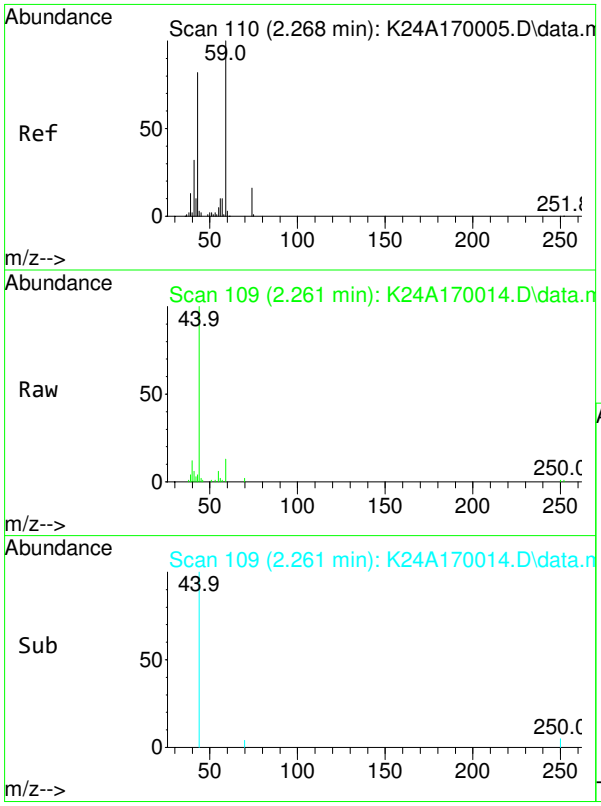


#3
METHYL ACETATE
Concen: 0.14 PPBV
RT: 2.283 min Scan# 112
Delta R.T. 0.015 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion: 43 Resp: 2754

Ion	Ratio	Lower	Upper
43	100		
59	123.0	91.3	131.3
74	19.6	0.0	33.8

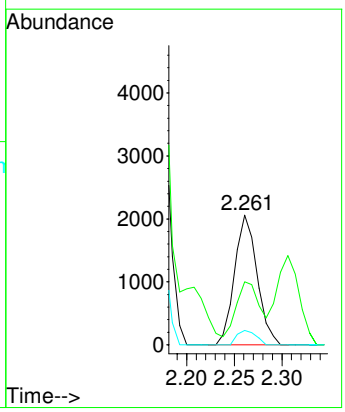


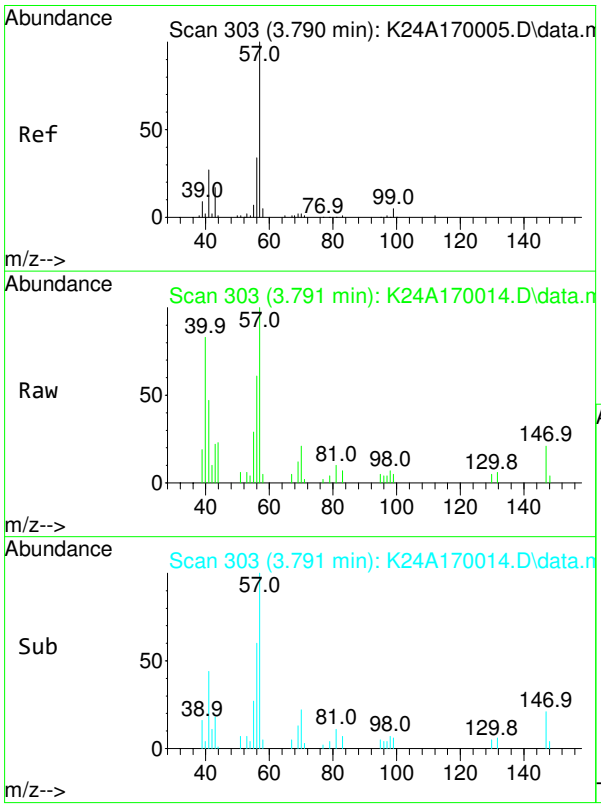


#4
TBA
Concen: 0.15 PPBV
RT: 2.261 min Scan# 109
Delta R.T. 0.000 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion: 59 Resp: 3387

Ion	Ratio	Lower	Upper
59	100		
41	43.2	2.2	42.2#
57	9.4	0.0	30.9

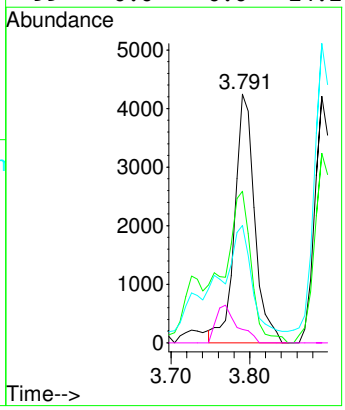


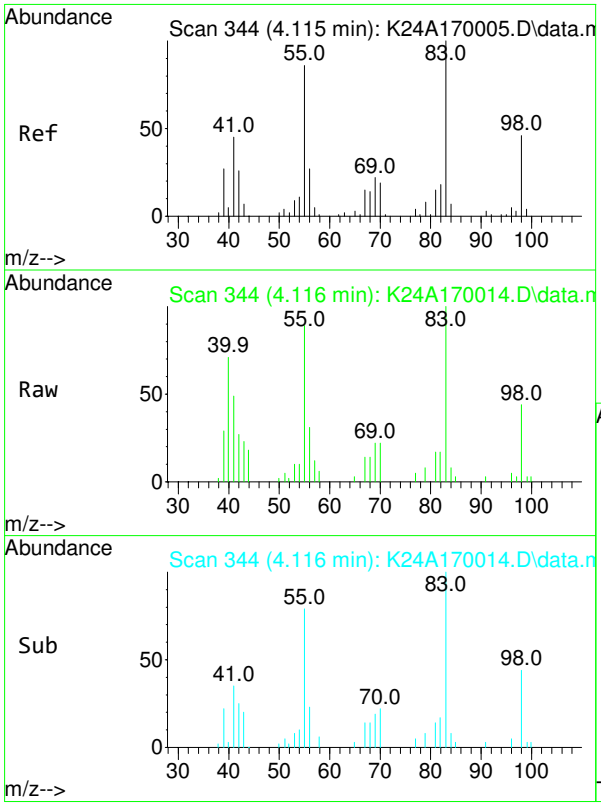


#5
2,2,4-TRIMETHYLPENTANE
Concen: 0.14 PPBV
RT: 3.791 min Scan# 303
Delta R.T. 0.001 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion: 57 Resp: 7496

Ion	Ratio	Lower	Upper
57	100		
56	59.5	13.0	53.0#
41	73.5	8.8	48.8#
99	0.0	0.0	24.2

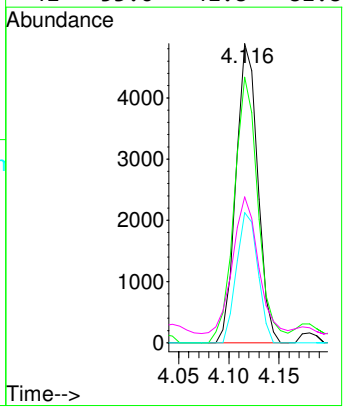


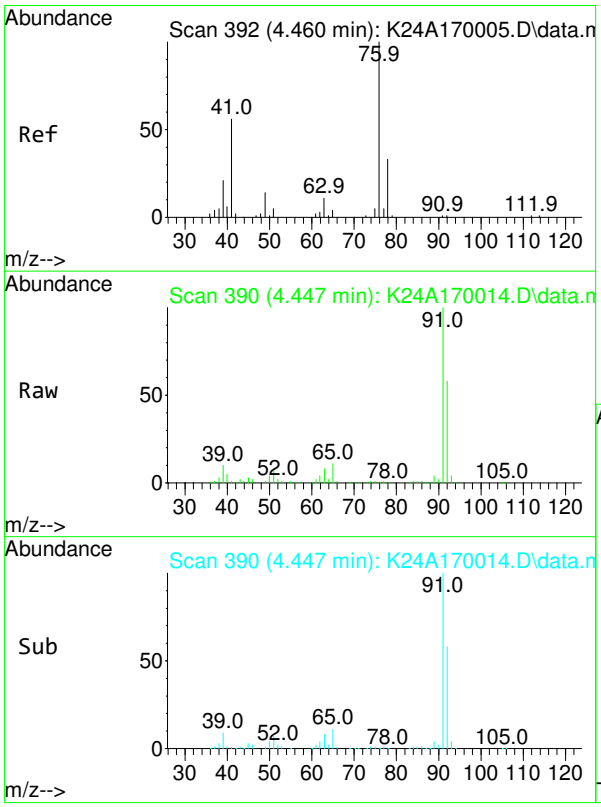


#6
METHYLCYCLOHEXANE
Concen: 0.37 PPBV
RT: 4.116 min Scan# 344
Delta R.T. 0.001 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion: 83 Resp: 7347

Ion	Ratio	Lower	Upper
83	100		
55	98.3	96.7	136.7
98	42.9	27.9	67.9
41	53.6	41.8	81.8

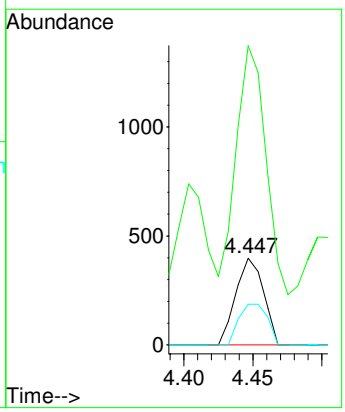


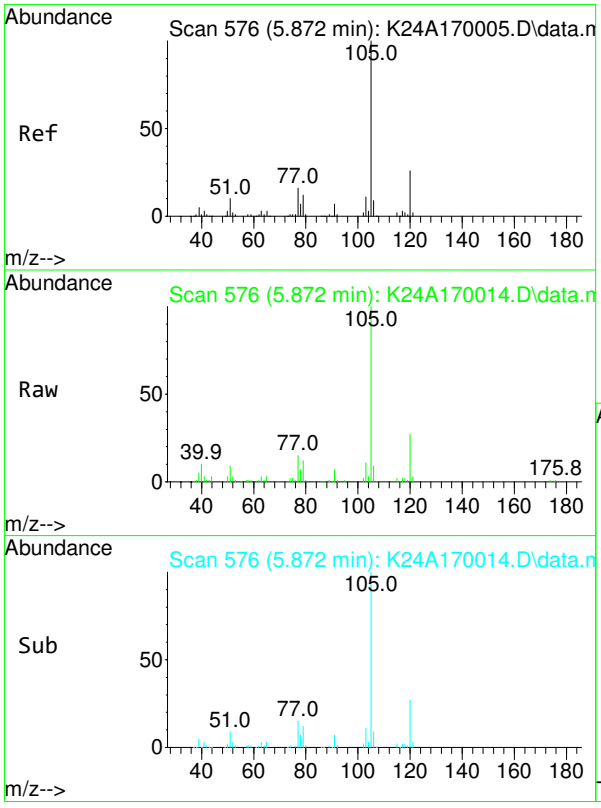


#8
1,3-DICHLOROPROPANE
Concen: 0.02 PPBV
RT: 4.447 min Scan# 390
Delta R.T. -0.007 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion: 76 Resp: 556

Ion	Ratio	Lower	Upper
76	100		
41	303.6	71.7	111.7#
78	48.0	12.7	52.7

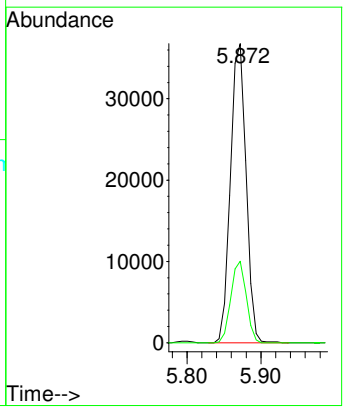


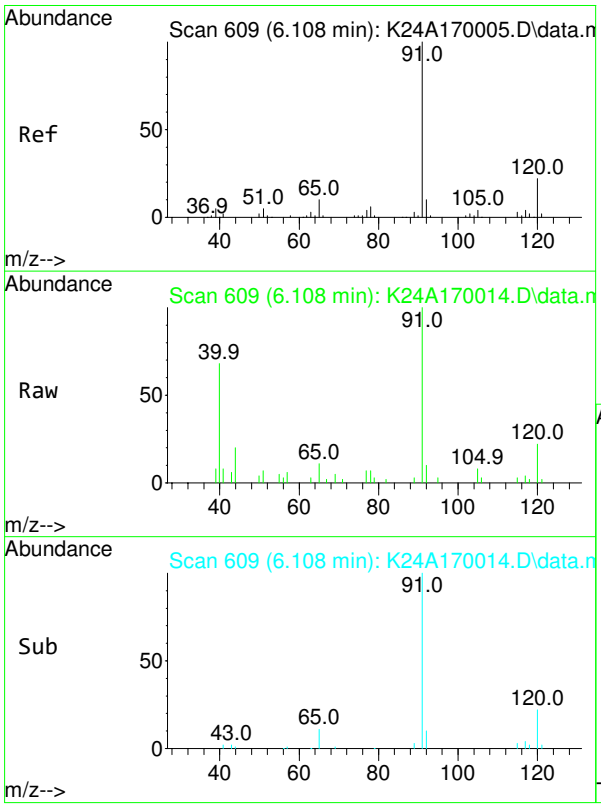


#11
CUMENE
Concen: 0.96 PPBV
RT: 5.872 min Scan# 576
Delta R.T. 0.000 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion:105 Resp: 54120

Ion	Ratio	Lower	Upper
105	100		
120	26.8	4.3	44.3

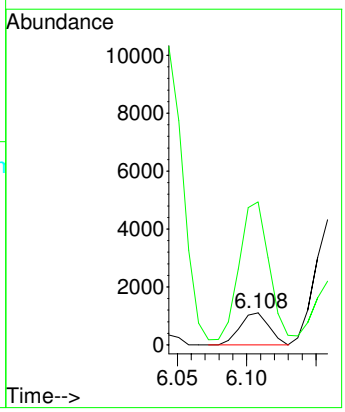


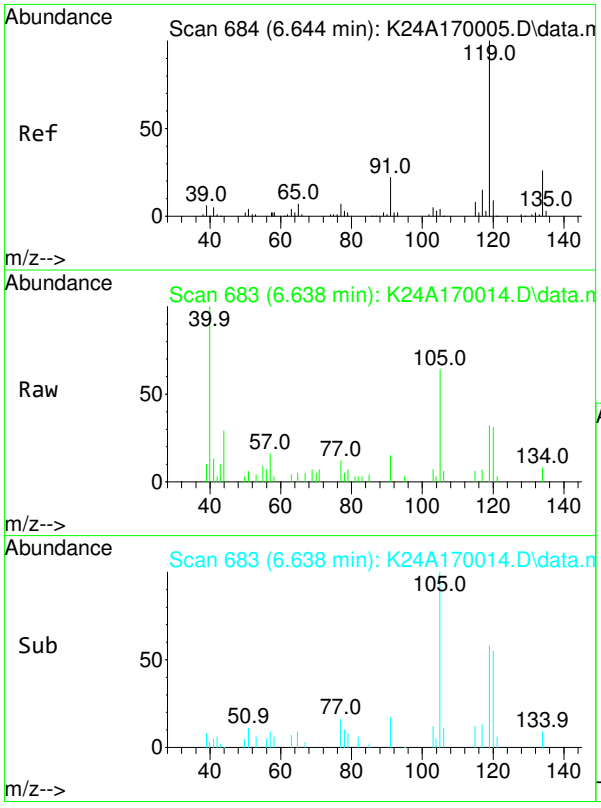


#12
PROPYLBENZENE
Concen: 0.13 PPBV
RT: 6.108 min Scan# 609
Delta R.T. 0.000 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion:120 Resp: 1608

Ion	Ratio	Lower	Upper
120	100		
91	438.6	455.0	495.0#

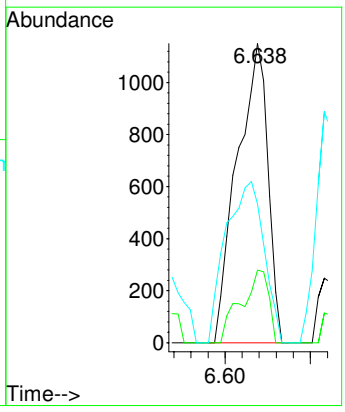


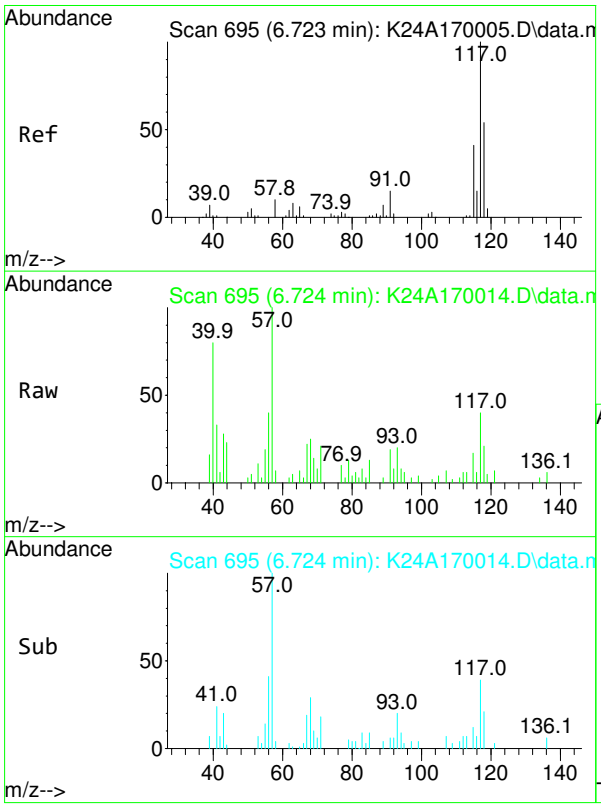


#15
p-CYMENE
Concen: 0.06 PPBV
RT: 6.638 min Scan# 683
Delta R.T. -0.007 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion:119 Resp: 2862

Ion	Ratio	Lower	Upper
119	100		
134	21.9	4.1	44.1
91	66.9	7.7	47.7#

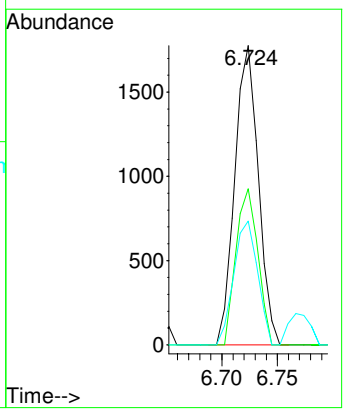


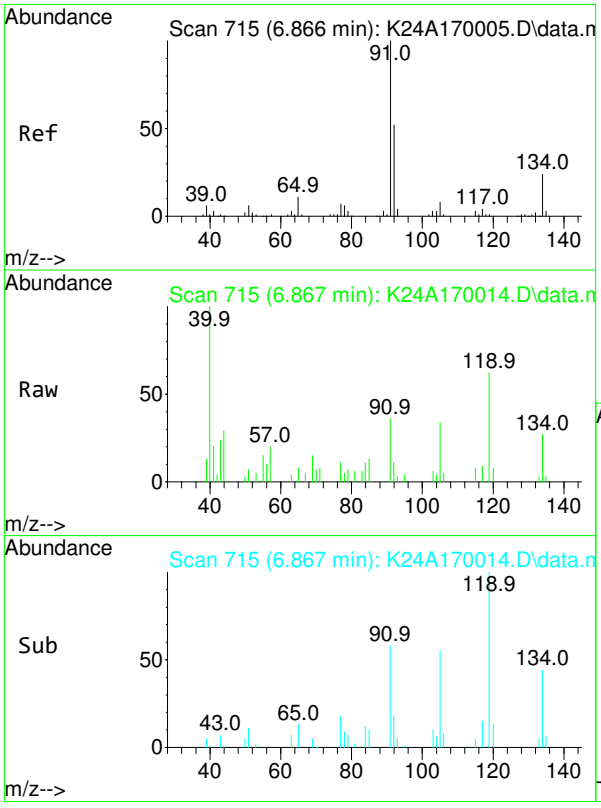


#16
INDANE
Concen: 0.07 PPBV
RT: 6.724 min Scan# 695
Delta R.T. 0.000 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion:117 Resp: 2617

Ion	Ratio	Lower	Upper
117	100		
118	48.3	36.9	76.9
115	41.9	14.5	54.5

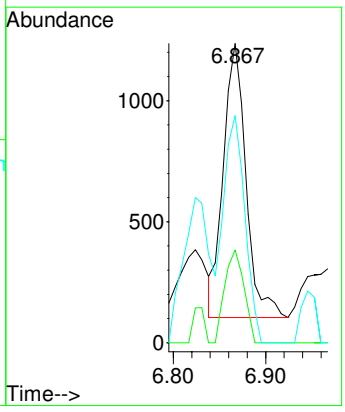


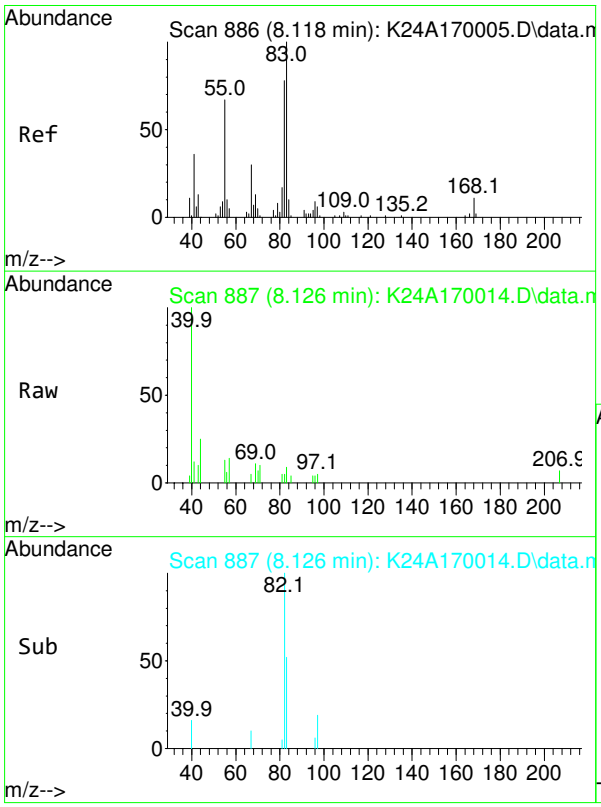


#18
BUTYLBENZENE
Concen: 0.04 PPBV
RT: 6.867 min Scan# 715
Delta R.T. 0.000 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion: 91 Resp: 1931

Ion	Ratio	Lower	Upper
91	100		
92	28.7	34.3	74.3#
134	77.0	3.6	43.6#

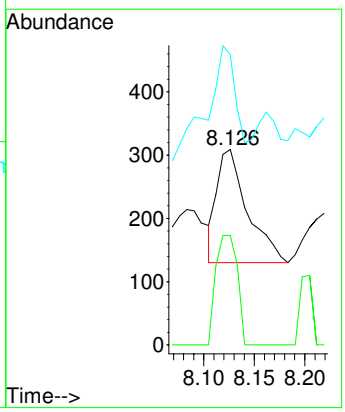


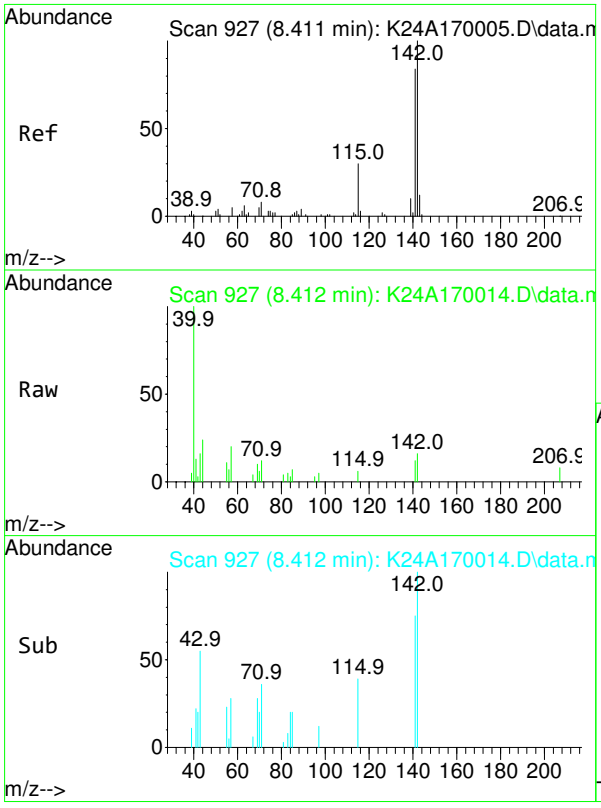


#20
HEXYLCYCLOHEXANE
Concen: 0.01 PPBV
RT: 8.126 min Scan# 887
Delta R.T. 0.008 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion: 83 Resp: 376

Ion	Ratio	Lower	Upper
83	100		
82	68.1	55.0	95.0
55	103.7	80.5	120.5

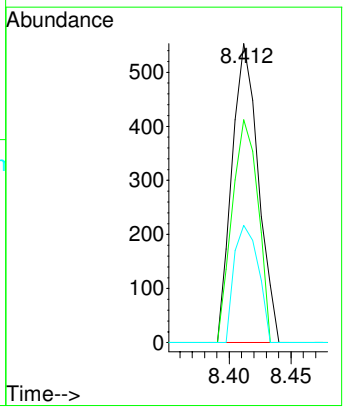


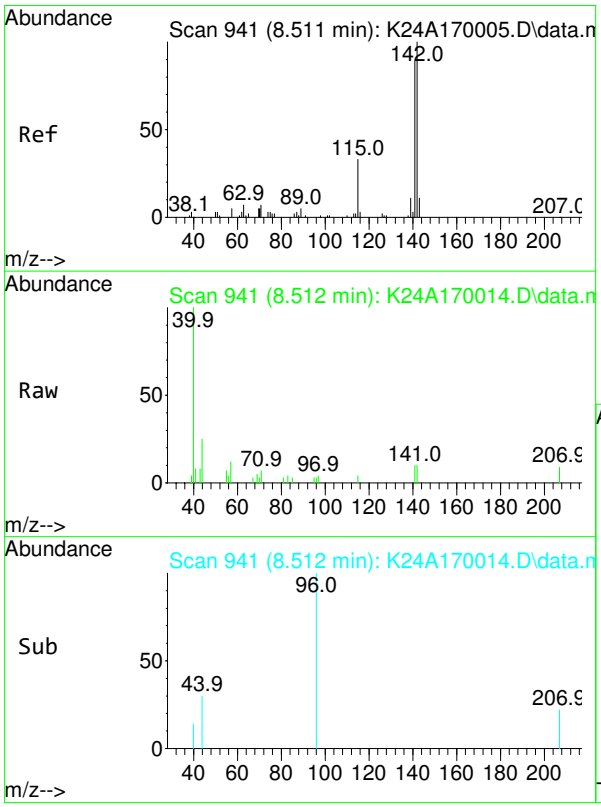


#21
2-METHYLNAPHTHALENE
Concen: 0.06 UG/L
RT: 8.412 min Scan# 927
Delta R.T. 0.000 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion:142 Resp: 825

Ion	Ratio	Lower	Upper
142	100		
141	73.0	67.9	107.9
115	35.9	21.5	61.5

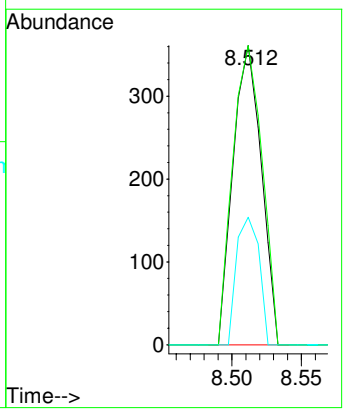




#22
1-METHYLNAPHTHALENE
Concen: 0.03 UG/L
RT: 8.512 min Scan# 941
Delta R.T. 0.000 min
Lab File: K24A170014.D
Acq: 18 Jun 2024 05:18 pm

Tgt Ion:142 Resp: 511

Ion	Ratio	Lower	Upper
142	100		
141	104.1	69.2	109.2
115	34.1	22.3	62.3



1 - FORM I
ANALYSIS DATA SHEET

Duplicate

Laboratory:	Pace New England			Work Order:	24F1161
Client:	NYDEC_GES - Amherst, NY		Project:	DW_Carriage Cleaners, 2101 Monroe Ave - CO 1	
Matrix:	Air	Laboratory ID:	B377758-DUP2	File ID:	K24A170031.D
Sampled:		Prepared:	06/18/24 00:00	Analyzed:	06/19/24 09:20
Solids:		Preparation:	TO-15 Prep	Dilution:	
Initial/Final:	400 mL / 400 mL				
Batch:	B377758	Sequence:	S106148	Calibration:	2400609
Column:	1				

CAS NO.	COMPOUND	CONC. (ppbv)	MDL	RL	Q
64-17-5	Ethanol	81	13	20	
127-18-4	Tetrachloroethylene	66	0.43	0.50	

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170031.D
Acq On : 19 Jun 2024 09:20 am
Operator : CMR
Sample : 24F1161-04DUP 10X Inst : SYSK
Misc : 1.5,1,200,30,10XDUP
ALS Vial : 11 Sample Multiplier: 1
InstName : SYSK

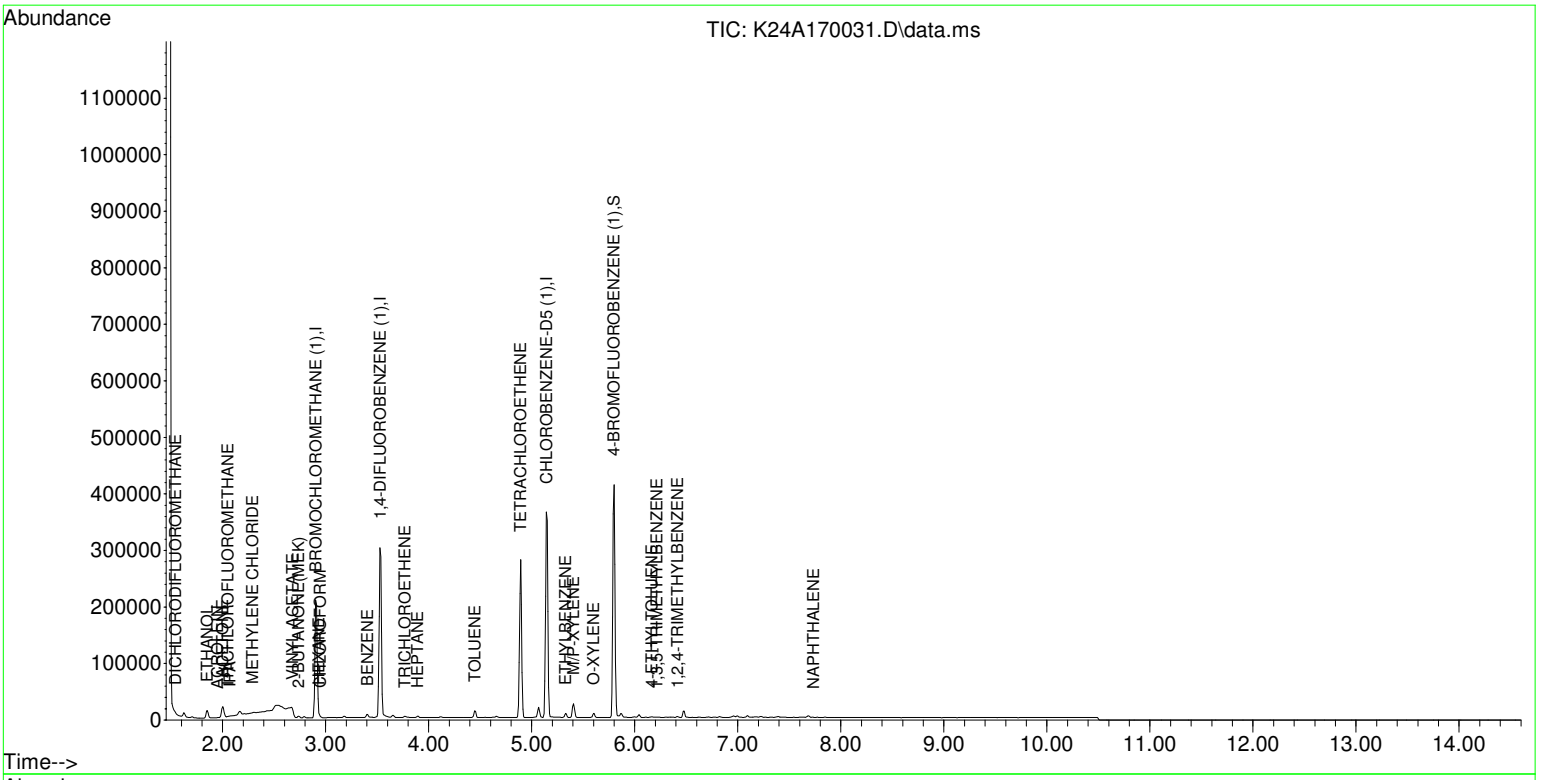
Quant Time: Jun 19 11:05:30 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Apr 23 10:16:53 2024
Response via : Initial Calibration

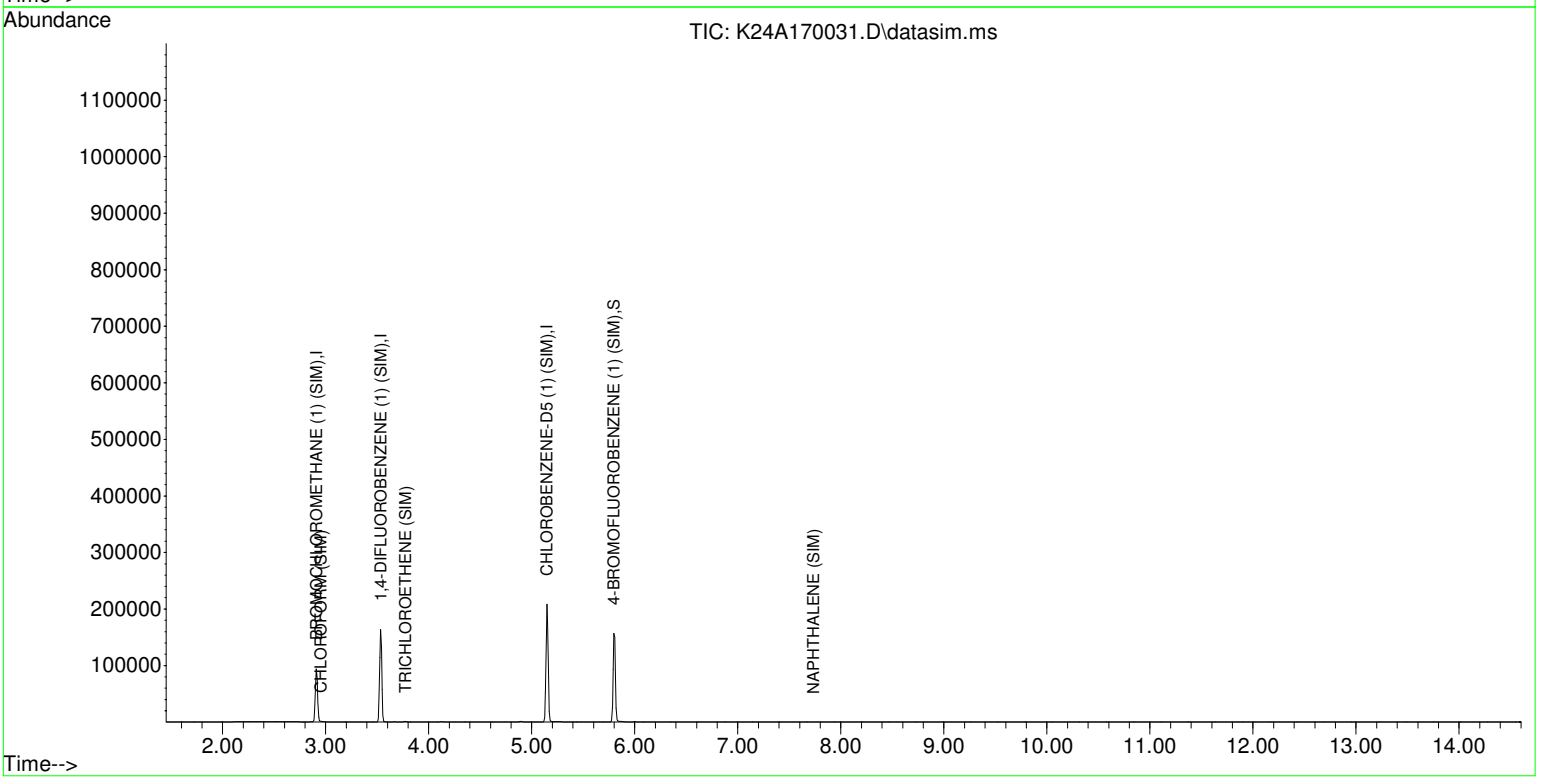
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE (1)	2.903	49	78368	8.000	PPBV	# 0.00
30) 1,4-DIFLUOROBENZENE (1)	3.527	114	198074m	8.000	PPBV	0.00
44) CHLOROBENZENE-D5 (1)	5.142	117	189447	8.000	PPBV	0.00
69) BROMOCHLOROMETHANE (1)...	2.909	49	79775	8.000	PPBV	# 0.00
77) 1,4-DIFLUOROBENZENE (1...	3.533	114	206641	8.000	PPBV	0.00
84) CHLOROBENZENE-D5 (1) (...	5.148	117	194561	8.000	PPBV	0.00
System Monitoring Compounds						
58) 4-BROMOFLUOROBENZENE (1)	5.799	174	103837	8.239	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 103.00%			
88) 4-BROMOFLUOROBENZENE (...	5.798	174	108251	8.478	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 106.00%			
Target Compounds						Qvalue
3) DICHLORODIFLUOROMETHANE	1.545	85	790	0.046	PPBV	89
10) ACROLEIN	1.951	56	264	0.089	PPBV	99
11) ACETONE	2.001	43	13876	1.434	PPBV	98
12) TRICHLOROFLUOROMETHANE	2.051	101	296	0.018	PPBV	97
13) ETHANOL	1.851	45	11947	8.073	PPBV	99
15) METHYLENE CHLORIDE	2.291	49	258	0.030	PPBV #	75
21) IPA	2.072	45	1184	0.086	PPBV #	56
22) 2-BUTANONE(MEK)	2.737	43	2581	0.183	PPBV	79
24) VINYL ACETATE	2.677	43	3790m	0.218	PPBV	
25) HEXANE	2.934	41	1103	0.141	PPBV	96
27) CHLOROFORM	2.949	83	692	0.047	PPBV	94
32) BENZENE	3.407	78	1283	0.064	PPBV	82
37) TRICHLOROETHENE	3.769	95	561	0.059	PPBV #	65
40) HEPTANE	3.891	57	363	0.050	PPBV #	81
46) TOLUENE	4.446	91	7782	0.309	PPBV	96
50) TETRACHLOROETHENE	4.892	166	68348	6.569	PPBV	92
52) ETHYLBENZENE	5.330	91	4622	0.146	PPBV	92
53) M/P-XYLENE	5.405	91	13492	0.527	PPBV	93
56) O-XYLENE	5.600	91	4145	0.168	PPBV	95
59) 4-ETHYLTOLUENE	6.164	105	1375m	0.043	PPBV	
60) 1,3,5-TRIMETHYLBENZENE	6.214	105	425	0.018	PPBV #	70
61) 1,2,4-TRIMETHYLBENZENE	6.415	105	1114	0.044	PPBV #	94
67) NAPHTHALENE	7.732	128	204	0.011	PPBV #	74
75] CHLOROFORM (SIM)	2.955	83	707	0.051	PPBV	92
81] TRICHLOROETHENE (SIM)	3.775	95	619	0.061	PPBV	84
89] NAPHTHALENE (SIM)	7.738	128	283	0.014	PPBV	99

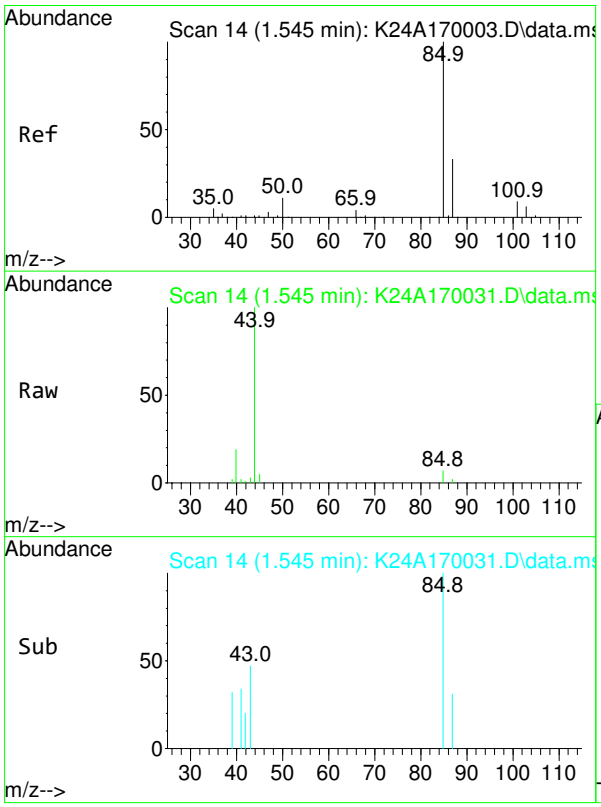
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K061824\ 452
Data File : K24A170031.D
Acq On : 19 Jun 2024 09:20 am
Operator : CMR
Sample : 24F1161-04DUP 10X Inst : SYSK
Misc : 1.5,1,200,30,10XDUP
ALS Vial : 11 Sample Multiplier: 1
InstName : SYSK

Quant Time: Jun 19 11:05:30 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Tue Apr 23 10:16:53 2024
Response via : Initial Calibration



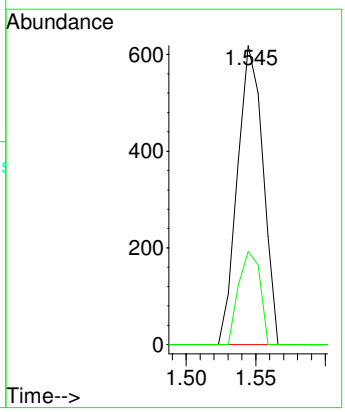


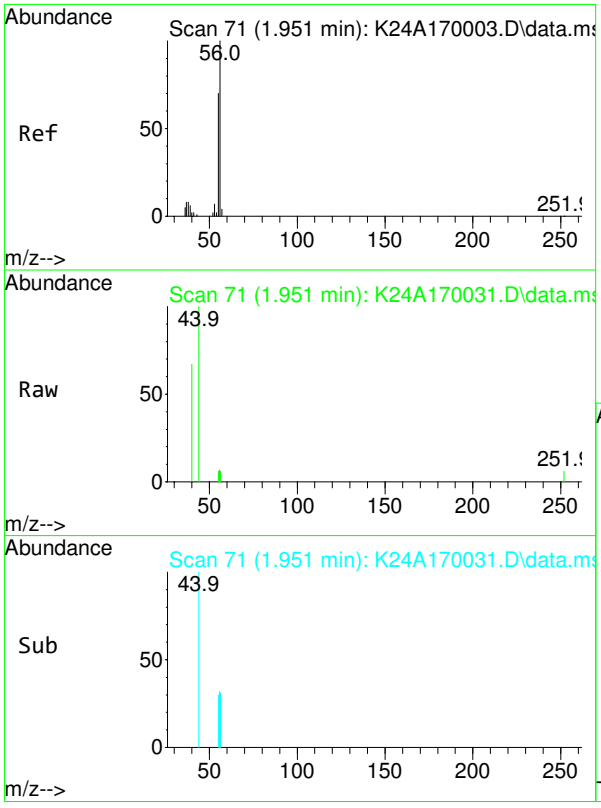


#3
DICHLORODIFLUOROMETHANE
Concen: 0.05 PPBV
RT: 1.545 min Scan# 14
Delta R.T. -0.002 min
Lab File: K24A170031.D
Acq: 19 Jun 2024 09:20 am

Tgt Ion: 85 Resp: 790

Ion	Ratio	Lower	Upper
85	100		
87	26.1	12.3	52.3

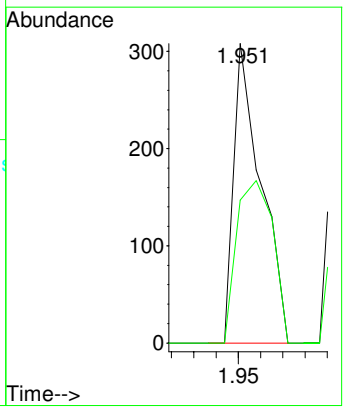


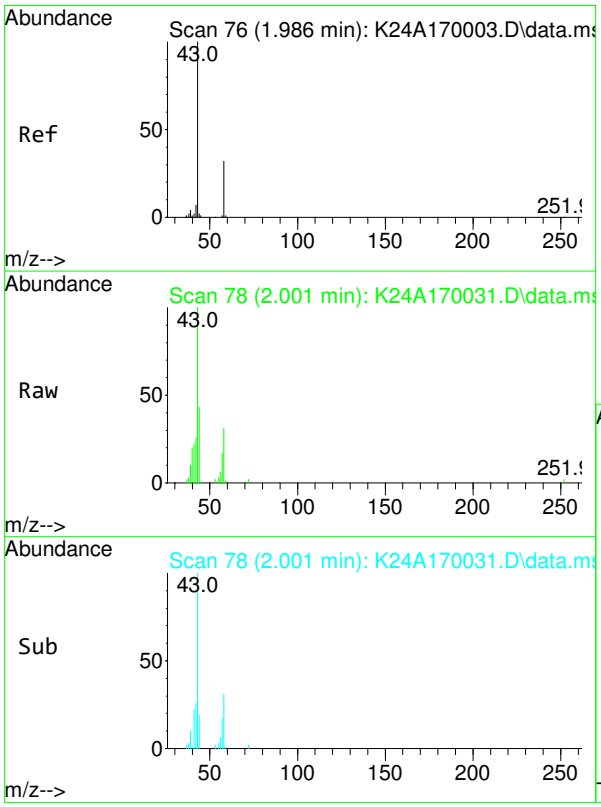


#10
ACROLEIN
Concen: 0.09 PPBV
RT: 1.951 min Scan# 71
Delta R.T. -0.000 min
Lab File: K24A170031.D
Acq: 19 Jun 2024 09:20 am

Tgt Ion: 56 Resp: 264

Ion	Ratio	Lower	Upper
56	100		
55	72.0	58.6	87.8

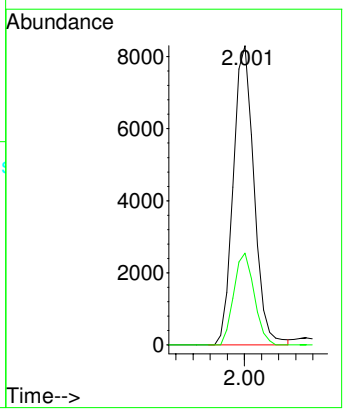


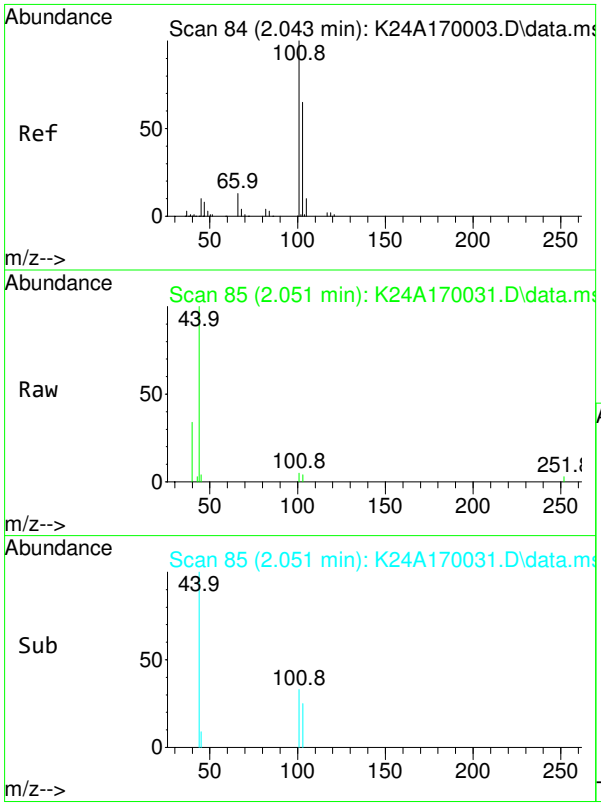


#11
ACETONE
Concen: 1.43 PPBV
RT: 2.001 min Scan# 78
Delta R.T. 0.015 min
Lab File: K24A170031.D
Acq: 19 Jun 2024 09:20 am

Tgt Ion: 43 Resp: 13876

Ion	Ratio	Lower	Upper
43	100		
58	30.1	9.1	49.1

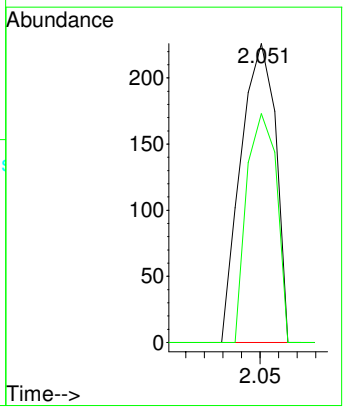


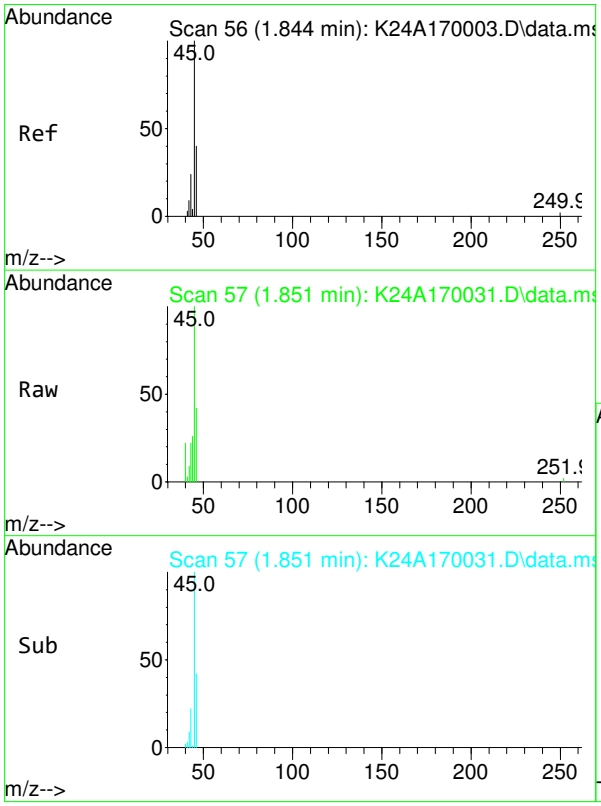


#12
TRICHLOROFLUOROMETHANE
Concen: 0.02 PPBV
RT: 2.051 min Scan# 85
Delta R.T. 0.003 min
Lab File: K24A170031.D
Acq: 19 Jun 2024 09:20 am

Tgt Ion:101 Resp: 296

Ion	Ratio	Lower	Upper
101	100		
103	65.5	43.0	83.0

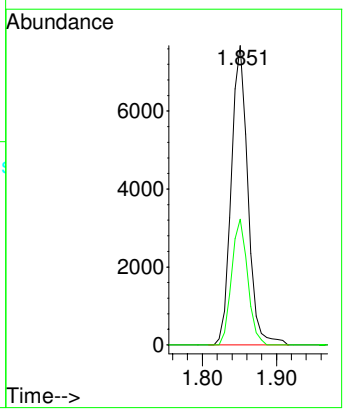


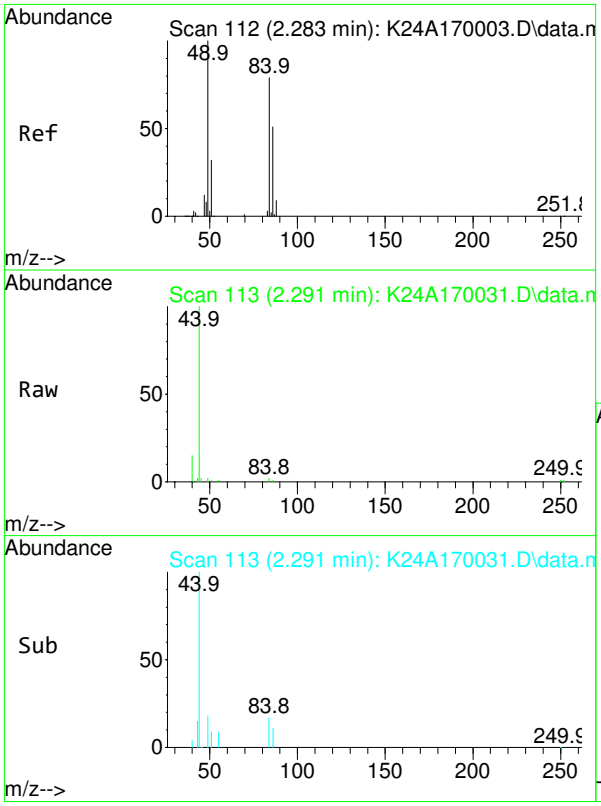


#13
ETHANOL
Concen: 8.07 PPBV
RT: 1.851 min Scan# 57
Delta R.T. 0.008 min
Lab File: K24A170031.D
Acq: 19 Jun 2024 09:20 am

Tgt Ion: 45 Resp: 11947

Ion	Ratio	Lower	Upper
45	100		
46	40.4	19.9	59.9

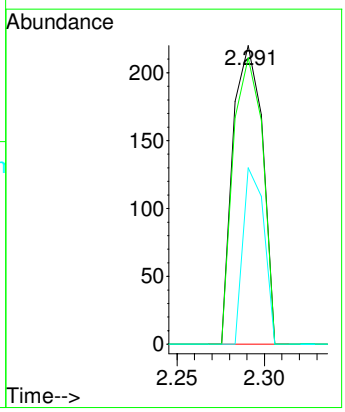


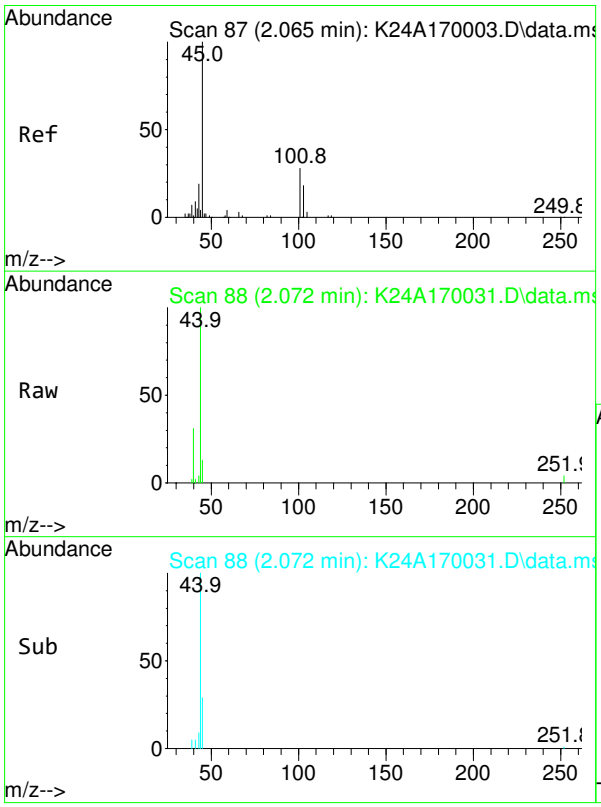


#15
METHYLENE CHLORIDE
Concen: 0.03 PPBV
RT: 2.291 min Scan# 113
Delta R.T. 0.008 min
Lab File: K24A170031.D
Acq: 19 Jun 2024 09:20 am

Tgt Ion: 49 Resp: 258

Ion	Ratio	Lower	Upper
49	100		
84	95.7	44.5	84.5#
86	42.2	21.1	61.1

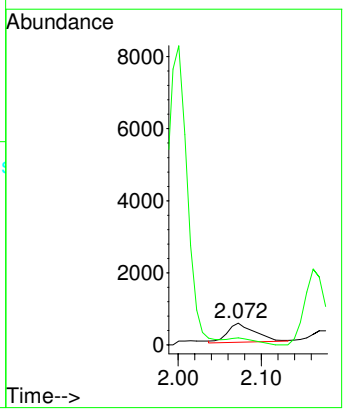


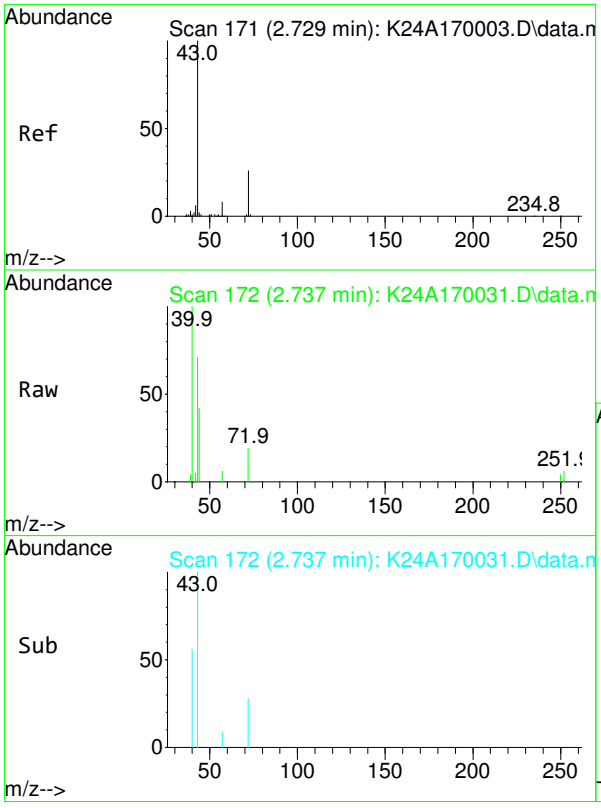


#21
IPA
Concen: 0.09 PPBV
RT: 2.072 min Scan# 88
Delta R.T. 0.009 min
Lab File: K24A170031.D
Acq: 19 Jun 2024 09:20 am

Tgt Ion: 45 Resp: 1184

Ion	Ratio	Lower	Upper
45	100		
43	0.0	0.2	40.2#

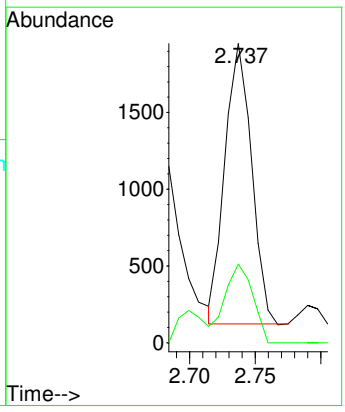


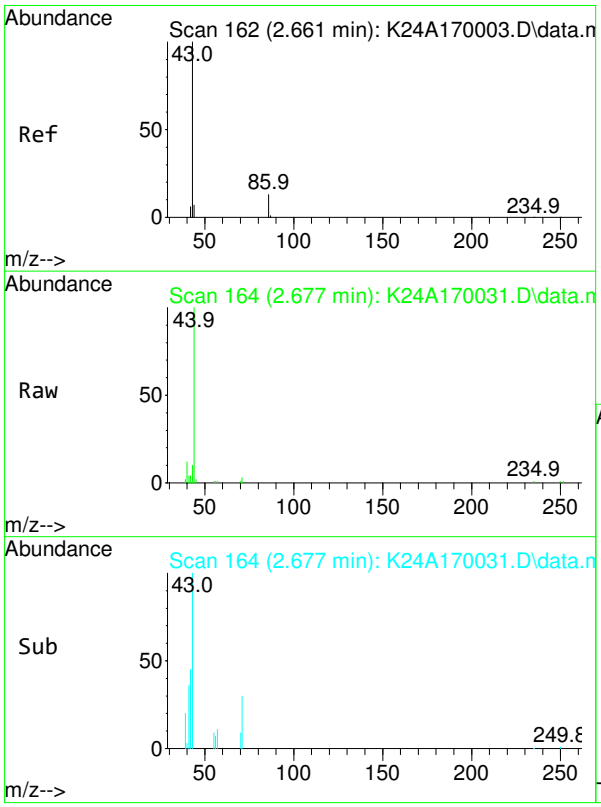


#22
2-BUTANONE(MEK)
Concen: 0.18 PPBV
RT: 2.737 min Scan# 172
Delta R.T. 0.009 min
Lab File: K24A170031.D
Acq: 19 Jun 2024 09:20 am

Tgt Ion: 43 Resp: 2581

Ion	Ratio	Lower	Upper
43	100		
72	29.3	0.0	39.8

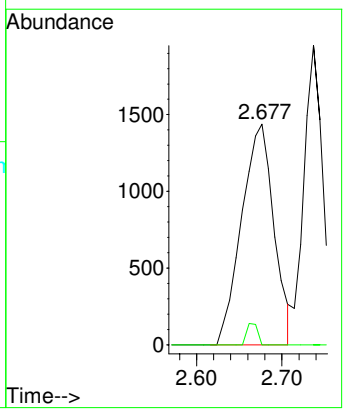


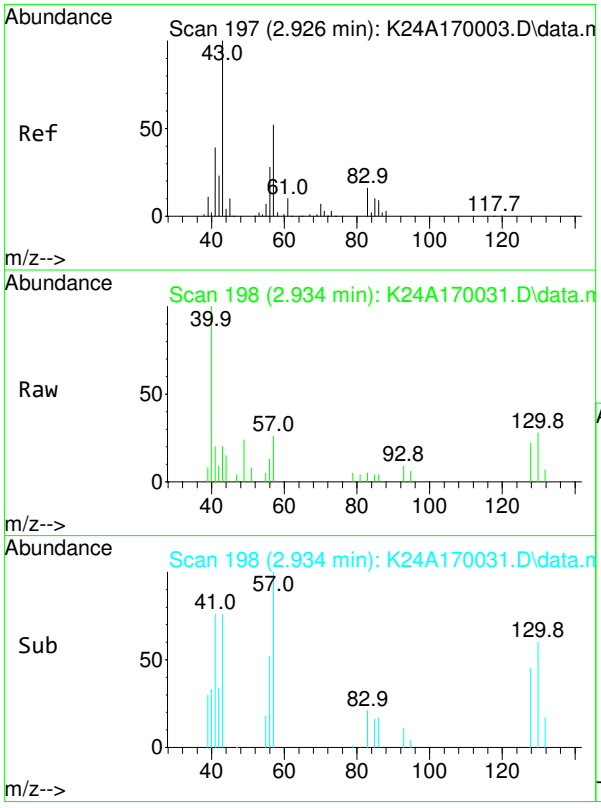


#24
VINYL ACETATE
Concen: 0.22 PPBV m
RT: 2.677 min Scan# 164
Delta R.T. 0.012 min
Lab File: K24A170031.D
Acq: 19 Jun 2024 09:20 am

Tgt Ion: 43 Resp: 3790

Ion	Ratio	Lower	Upper
43	100		
86	3.3	0.0	16.9

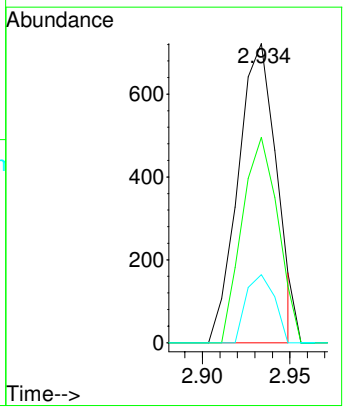


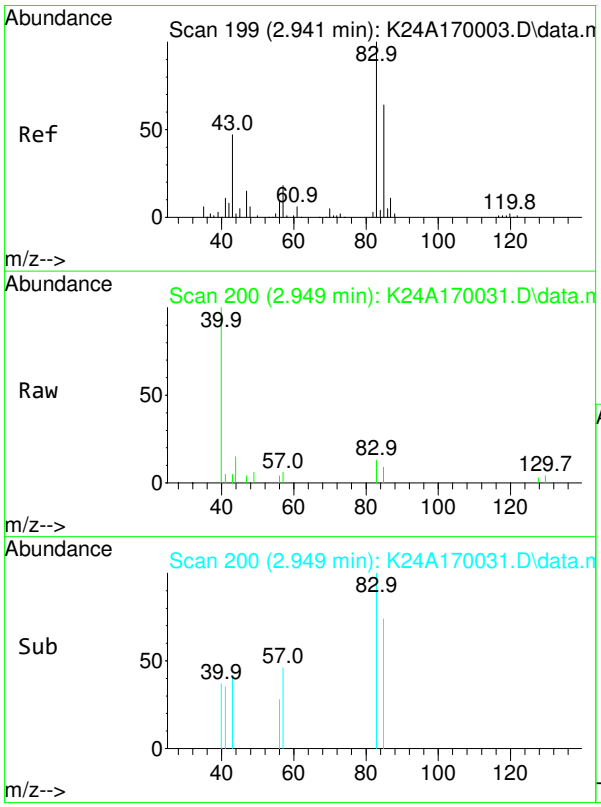


#25
HEXANE
Concen: 0.14 PPBV
RT: 2.934 min Scan# 198
Delta R.T. 0.004 min
Lab File: K24A170031.D
Acq: 19 Jun 2024 09:20 am

Tgt Ion: 41 Resp: 1103

Ion	Ratio	Lower	Upper
41	100		
56	64.3	46.2	86.2
86	16.8	10.7	30.7

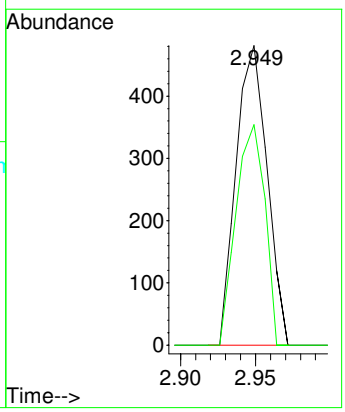


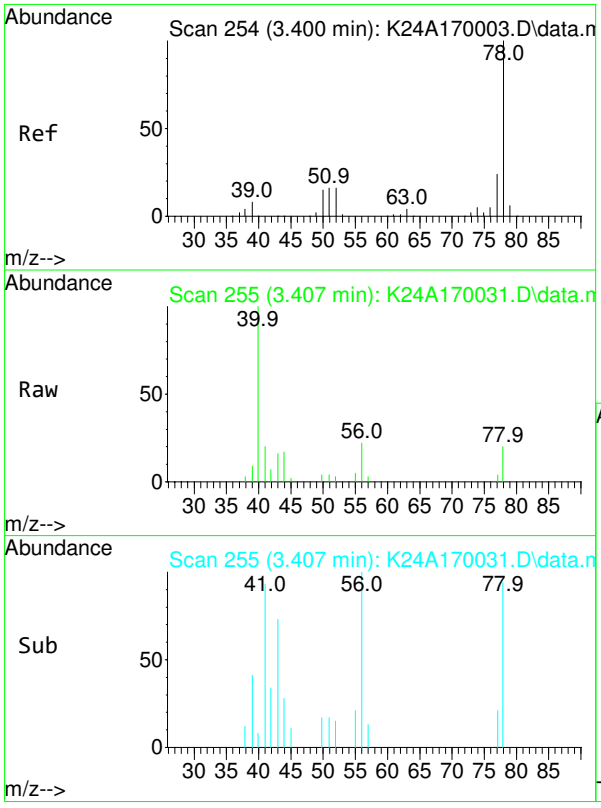


#27
CHLOROFORM
Concen: 0.05 PPBV
RT: 2.949 min Scan# 200
Delta R.T. 0.004 min
Lab File: K24A170031.D
Acq: 19 Jun 2024 09:20 am

Tgt Ion: 83 Resp: 692

Ion	Ratio	Lower	Upper
83	100		
85	68.2	43.6	83.6

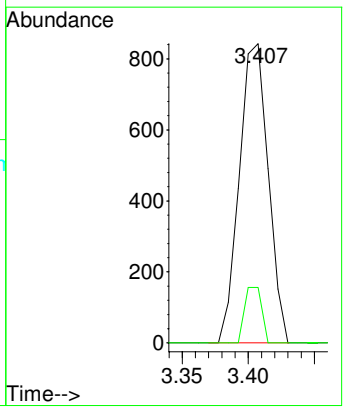


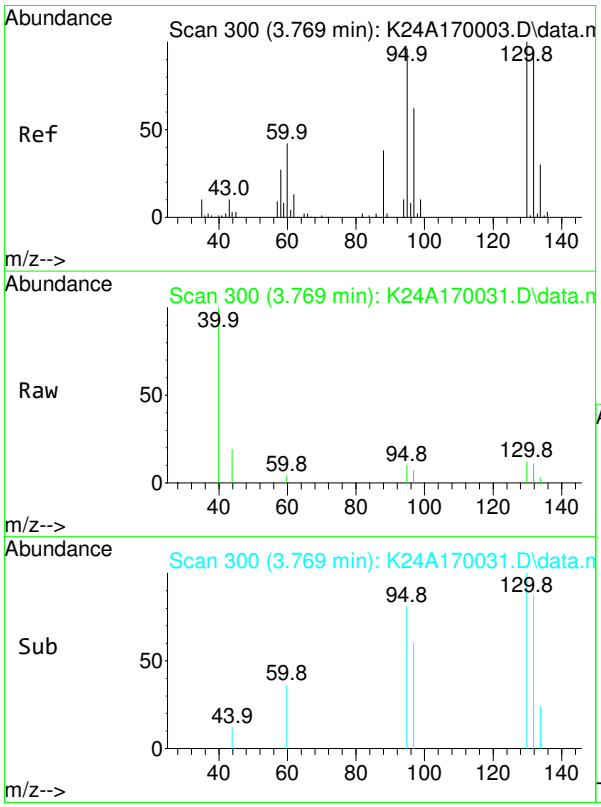


#32
BENZENE
Concen: 0.06 PPBV
RT: 3.407 min Scan# 255
Delta R.T. 0.004 min
Lab File: K24A170031.D
Acq: 19 Jun 2024 09:20 am

Tgt Ion: 78 Resp: 1283

Ion	Ratio	Lower	Upper
78	100		
51	10.9	0.0	39.1

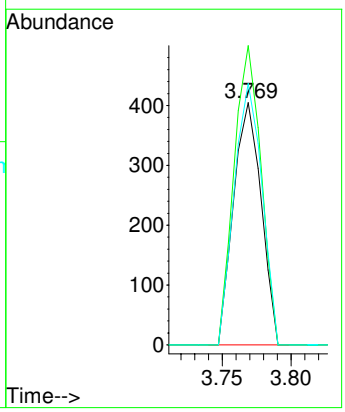


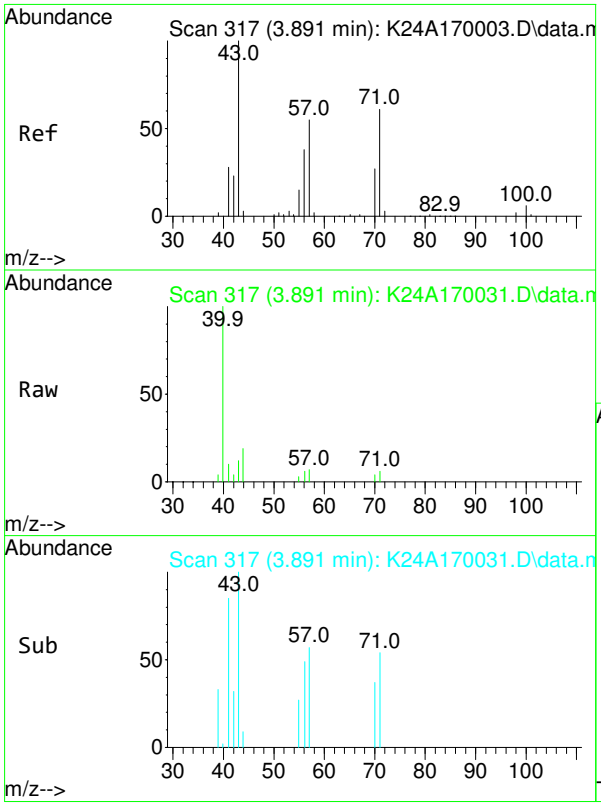


#37
TRICHLOROETHENE
Concen: 0.06 PPBV
RT: 3.769 min Scan# 300
Delta R.T. 0.002 min
Lab File: K24A170031.D
Acq: 19 Jun 2024 09:20 am

Tgt Ion: 95 Resp: 561

Ion	Ratio	Lower	Upper
95	100		
130	121.0	65.4	105.4#
132	108.9	61.7	101.7#

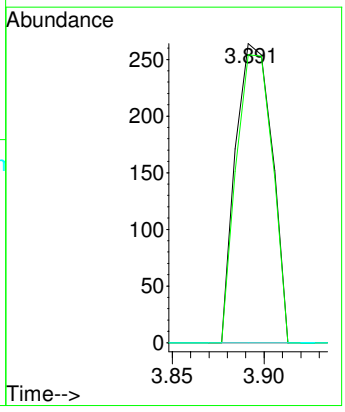


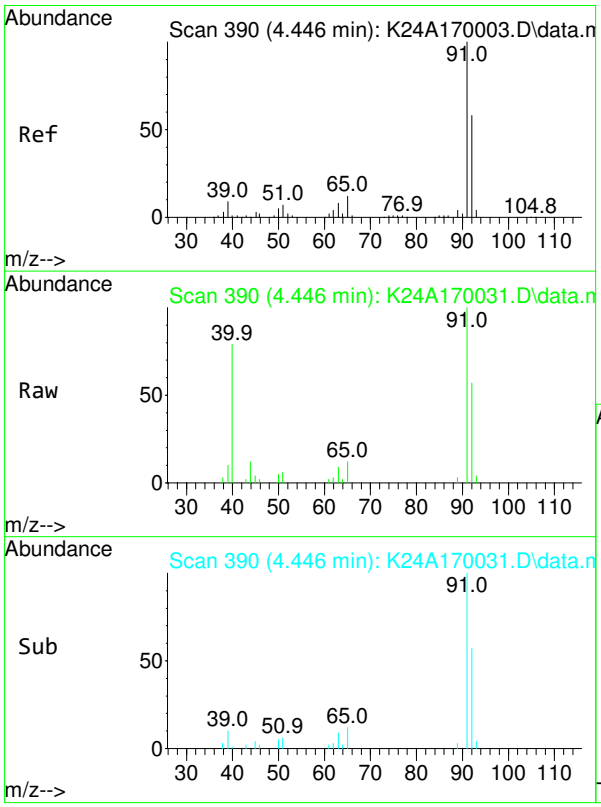


#40
HEPTANE
Concen: 0.05 PPBV
RT: 3.891 min Scan# 317
Delta R.T. -0.004 min
Lab File: K24A170031.D
Acq: 19 Jun 2024 09:20 am

Tgt Ion: 57 Resp: 363

Ion	Ratio	Lower	Upper
57	100		
71	95.6	86.0	126.0
100	0.0	8.8	48.8#

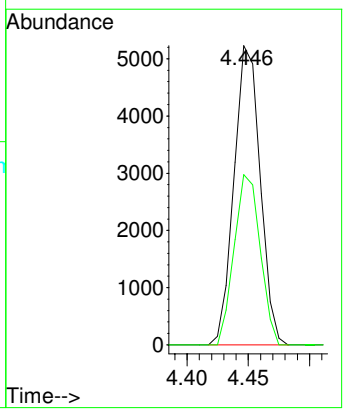


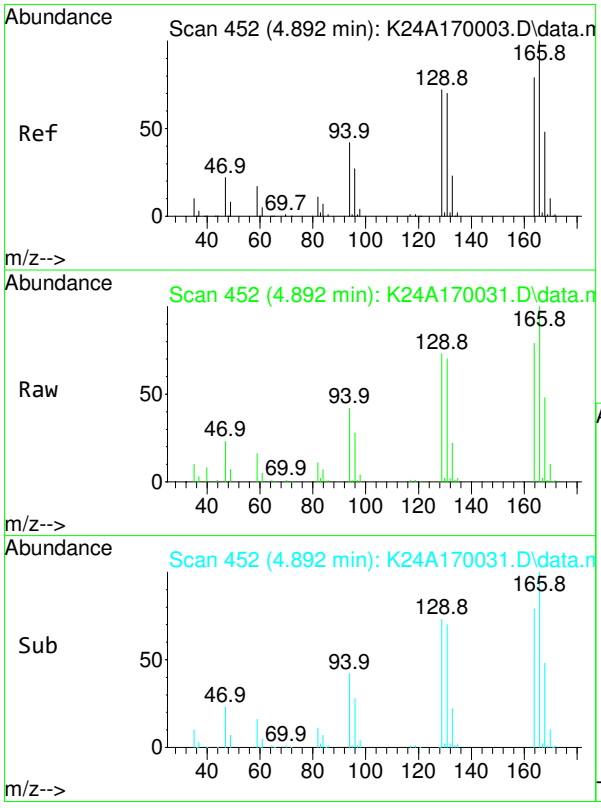


#46
TOLUENE
Concen: 0.31 PPBV
RT: 4.446 min Scan# 390
Delta R.T. -0.005 min
Lab File: K24A170031.D
Acq: 19 Jun 2024 09:20 am

Tgt Ion: 91 Resp: 7782

Ion	Ratio	Lower	Upper
91	100		
92	56.5	39.3	79.3

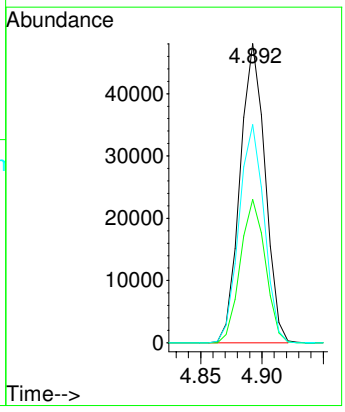


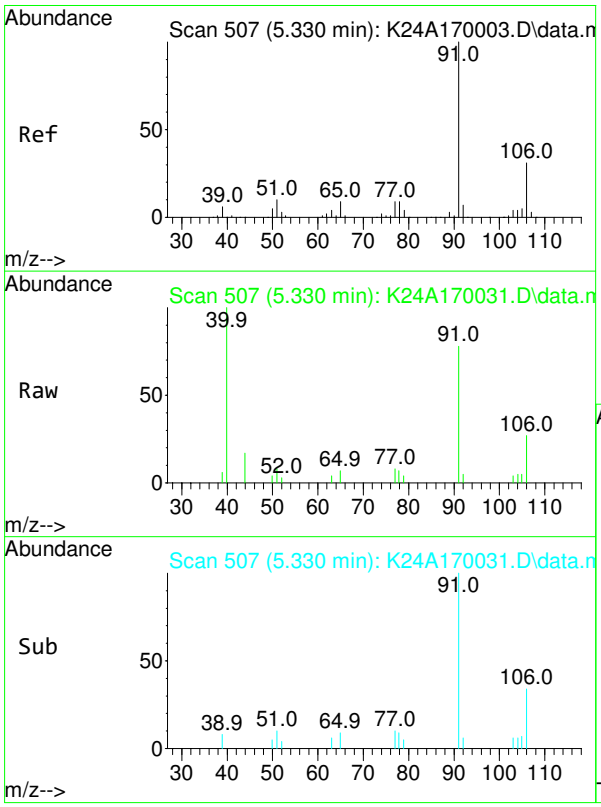


#50
TETRACHLOROETHENE
Concen: 6.57 PPBV
RT: 4.892 min Scan# 452
Delta R.T. 0.001 min
Lab File: K24A170031.D
Acq: 19 Jun 2024 09:20 am

Tgt Ion:166 Resp: 68348

Ion	Ratio	Lower	Upper
166	100		
168	47.7	27.6	67.6
129	73.2	63.9	103.9

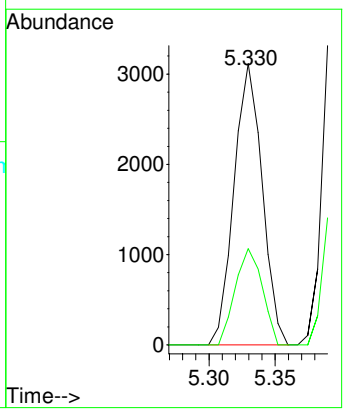


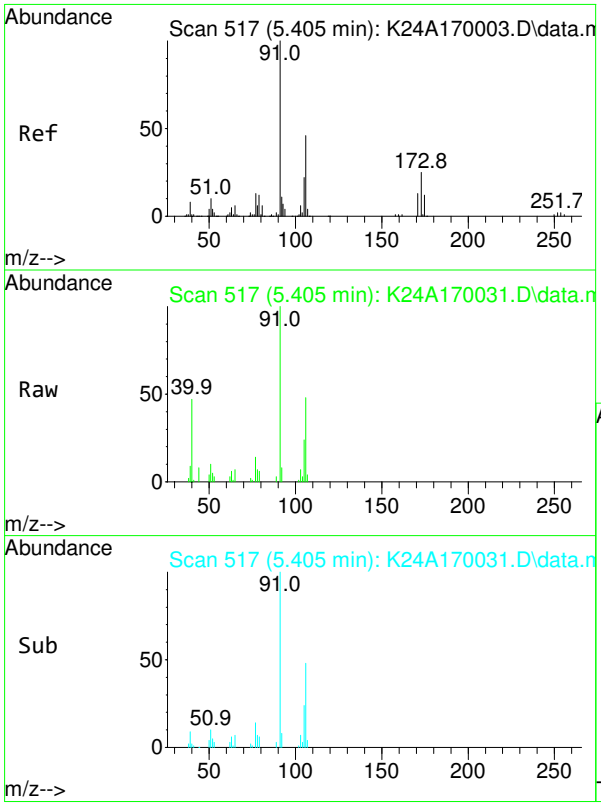


#52
ETHYLBENZENE
Concen: 0.15 PPBV
RT: 5.330 min Scan# 507
Delta R.T. -0.000 min
Lab File: K24A170031.D
Acq: 19 Jun 2024 09:20 am

Tgt Ion: 91 Resp: 4622

Ion	Ratio	Lower	Upper
91	100		
106	32.8	8.7	48.7

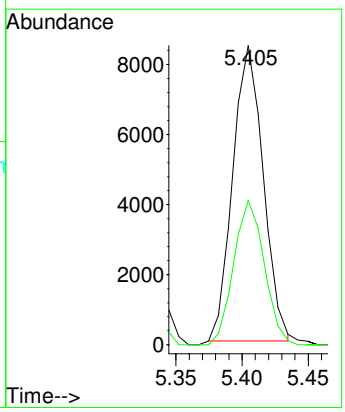


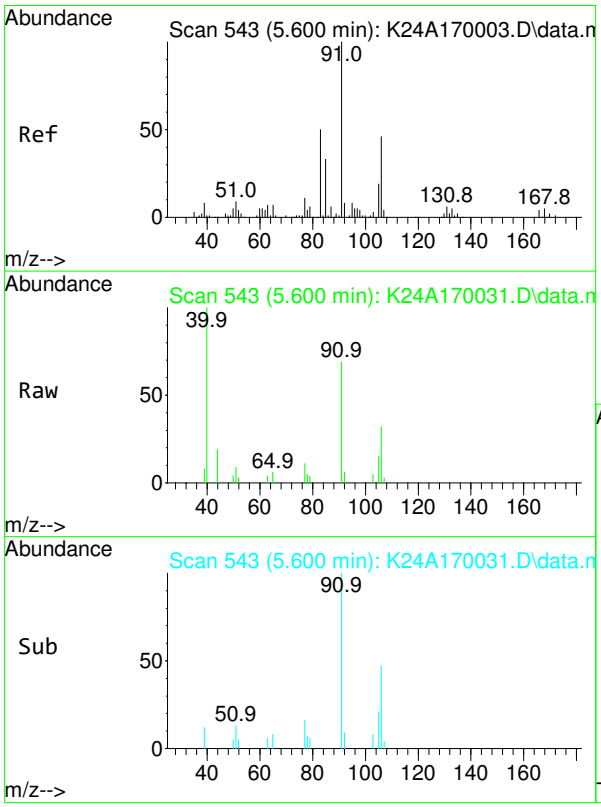


#53
M/P-XYLENE
Concen: 0.53 PPBV
RT: 5.405 min Scan# 517
Delta R.T. -0.004 min
Lab File: K24A170031.D
Acq: 19 Jun 2024 09:20 am

Tgt Ion: 91 Resp: 13492

Ion	Ratio	Lower	Upper
91	100		
106	49.0	24.2	64.2

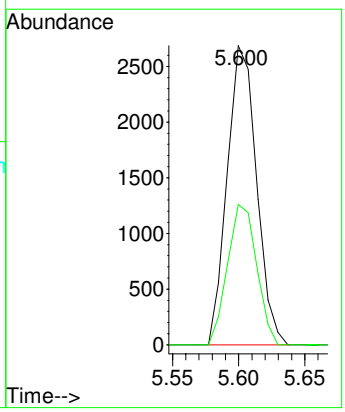


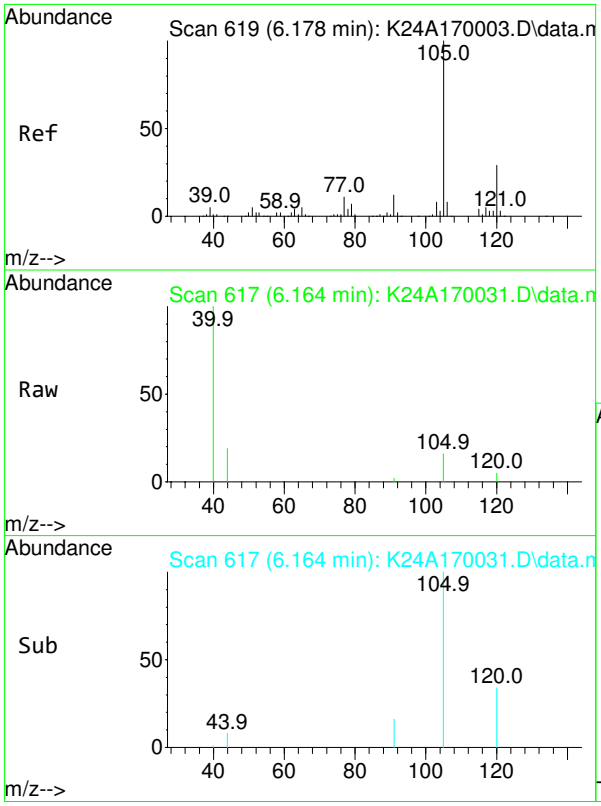


#56
O-XYLENE
Concen: 0.17 PPBV
RT: 5.600 min Scan# 543
Delta R.T. -0.006 min
Lab File: K24A170031.D
Acq: 19 Jun 2024 09:20 am

Tgt Ion: 91 Resp: 4145

Ion	Ratio	Lower	Upper
91	100		
106	46.5	23.5	63.5

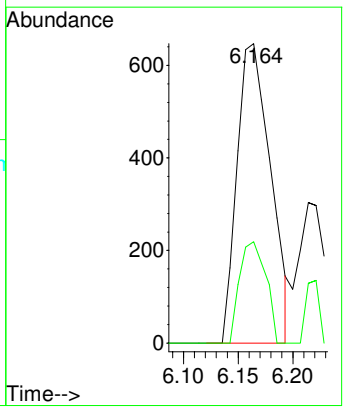


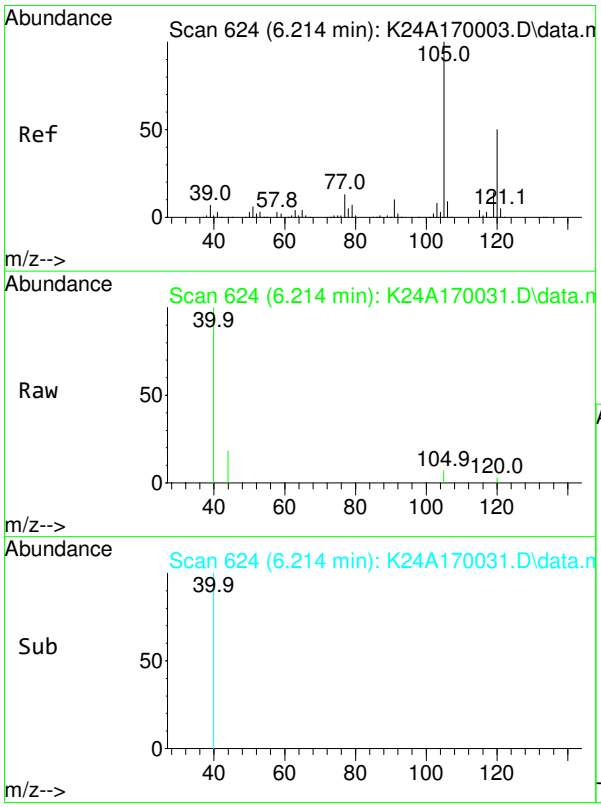


#59
4-ETHYLTOLUENE
Concen: 0.04 PPBV m
RT: 6.164 min Scan# 617
Delta R.T. -0.017 min
Lab File: K24A170031.D
Acq: 19 Jun 2024 09:20 am

Tgt Ion:105 Resp: 1375

Ion	Ratio	Lower	Upper
105	100		
120	26.5	7.3	47.3

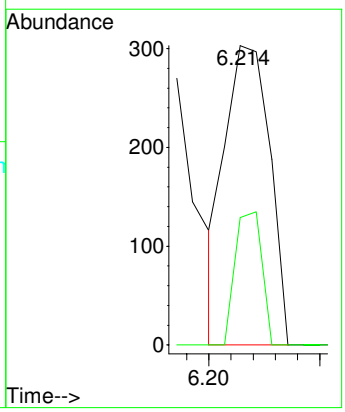


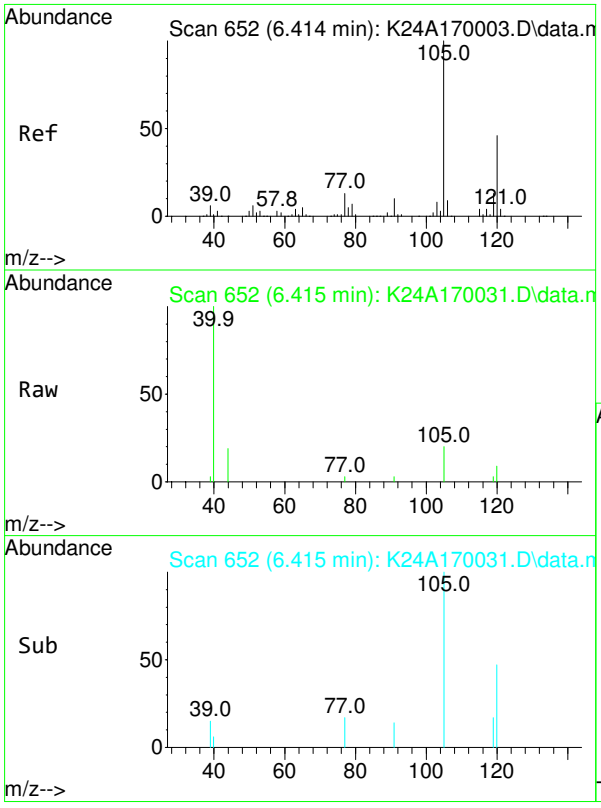


#60
1,3,5-TRIMETHYLBENZENE
Concen: 0.02 PPBV
RT: 6.214 min Scan# 624
Delta R.T. -0.003 min
Lab File: K24A170031.D
Acq: 19 Jun 2024 09:20 am

Tgt Ion:105 Resp: 425

Ion	Ratio	Lower	Upper
105	100		
120	26.6	26.9	66.9#

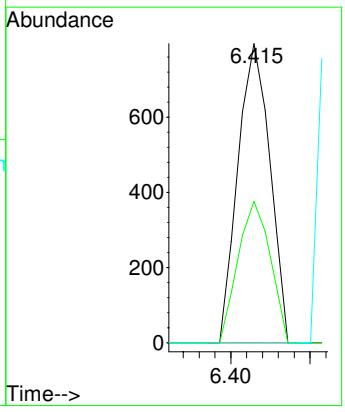


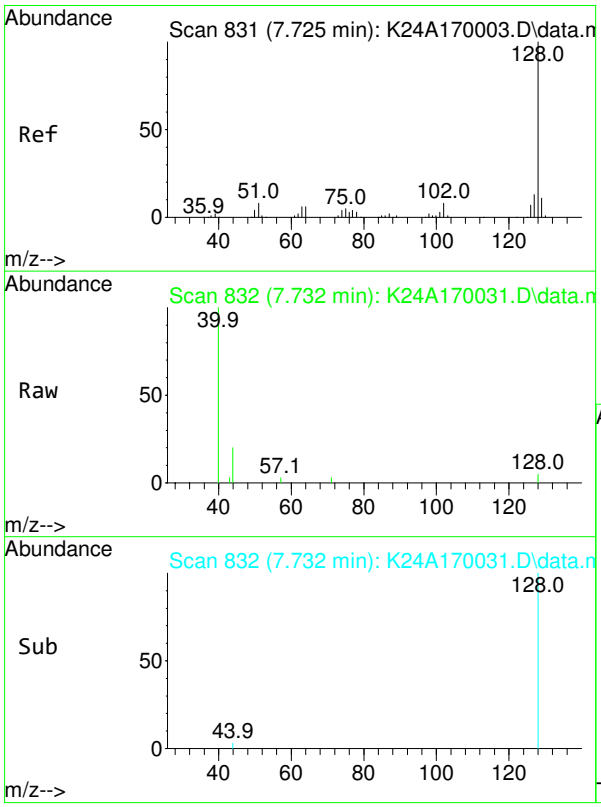


#61
1,2,4-TRIMETHYLBENZENE
Concen: 0.04 PPBV
RT: 6.415 min Scan# 652
Delta R.T. -0.001 min
Lab File: K24A170031.D
Acq: 19 Jun 2024 09:20 am

Tgt Ion:105 Resp: 1114

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.6	63.6
281	0.0	0.0	20.0

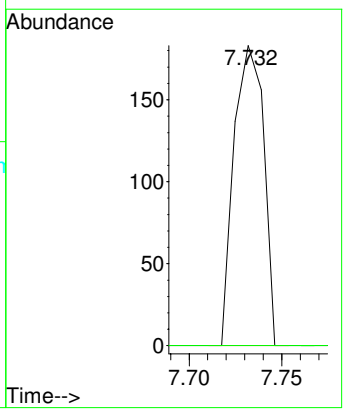


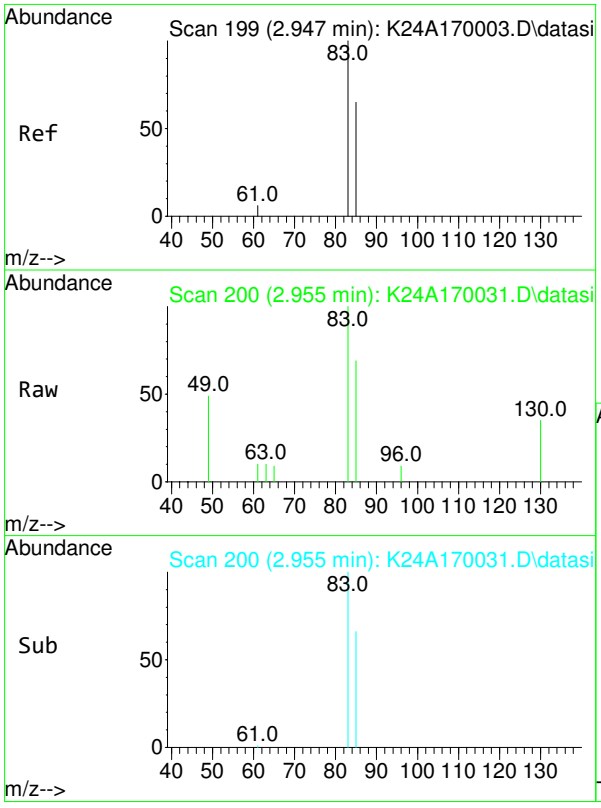


#67
NAPHTHALENE
Concen: 0.01 PPBV
RT: 7.732 min Scan# 832
Delta R.T. 0.004 min
Lab File: K24A170031.D
Acq: 19 Jun 2024 09:20 am

Tgt Ion:128 Resp: 204

Ion	Ratio	Lower	Upper
128	100		
102	0.0	7.4	11.2#

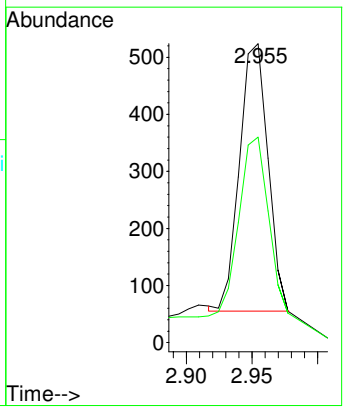


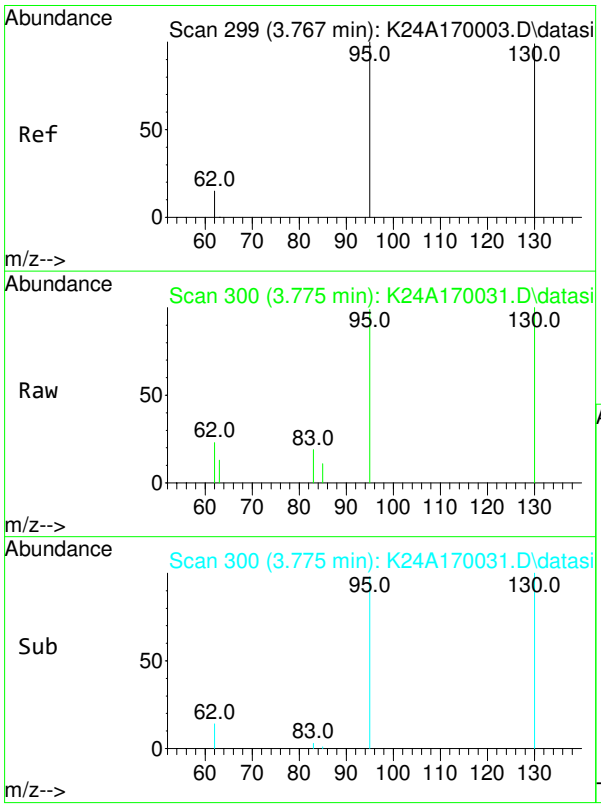


#75
CHLOROFORM (SIM)
Concen: 0.05 PPBV
RT: 2.955 min Scan# 200
Delta R.T. 0.012 min
Lab File: K24A170031.D
Acq: 19 Jun 2024 09:20 am

Tgt Ion: 83 Resp: 707

Ion	Ratio	Lower	Upper
83	100		
85	70.0	43.9	83.9

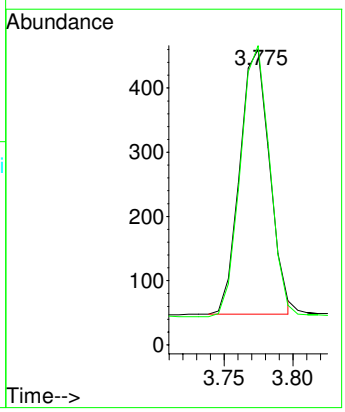


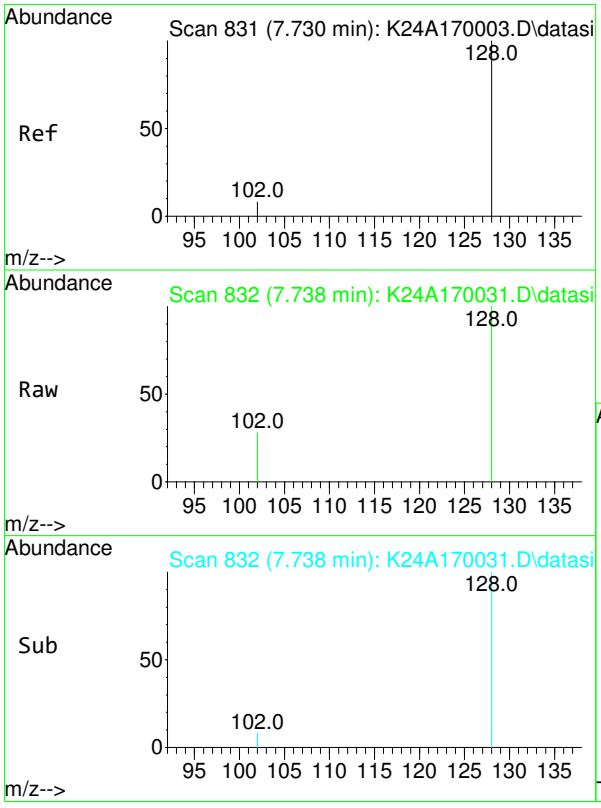


#81
TRICHLOROETHENE (SIM)
Concen: 0.06 PPBV
RT: 3.775 min Scan# 300
Delta R.T. 0.005 min
Lab File: K24A170031.D
Acq: 19 Jun 2024 09:20 am

Tgt Ion: 95 Resp: 619

Ion	Ratio	Lower	Upper
95	100		
130	100.5	66.1	106.1

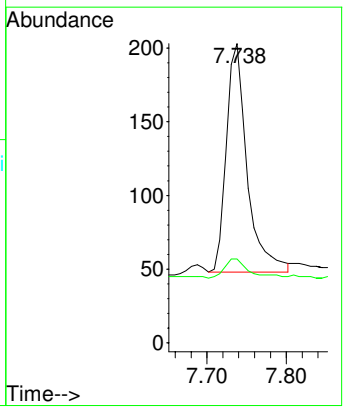




#89
NAPHTHALENE (SIM)
Concen: 0.01 PPBV
RT: 7.738 min Scan# 832
Delta R.T. 0.007 min
Lab File: K24A170031.D
Acq: 19 Jun 2024 09:20 am

Tgt Ion:128 Resp: 283

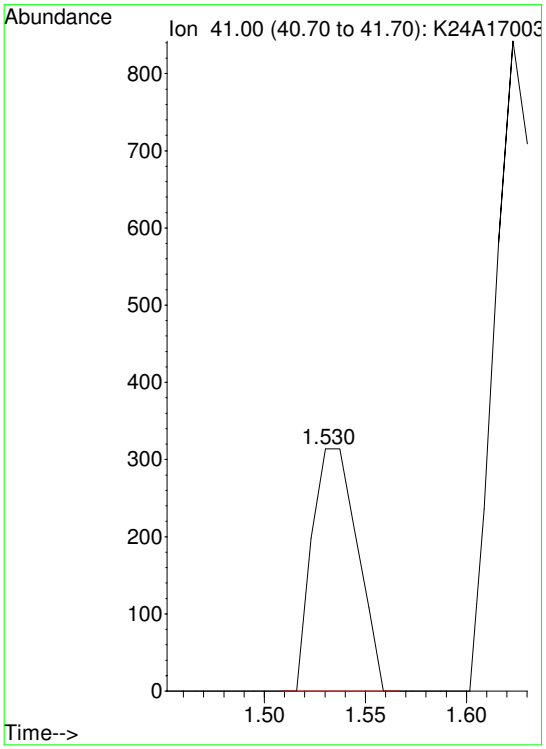
Ion	Ratio	Lower	Upper
128	100		
102	9.5	0.0	29.2



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170031.D
Acq On : 19 Jun 2024 09:20 am
Operator : CMR
Sample : 24F1161-04DUP 10X
Misc : 1.5,1,200,30,10XDUP

Quant Time : Wed Jun 19 11:54:31 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
PROPENE



Original Int. Results

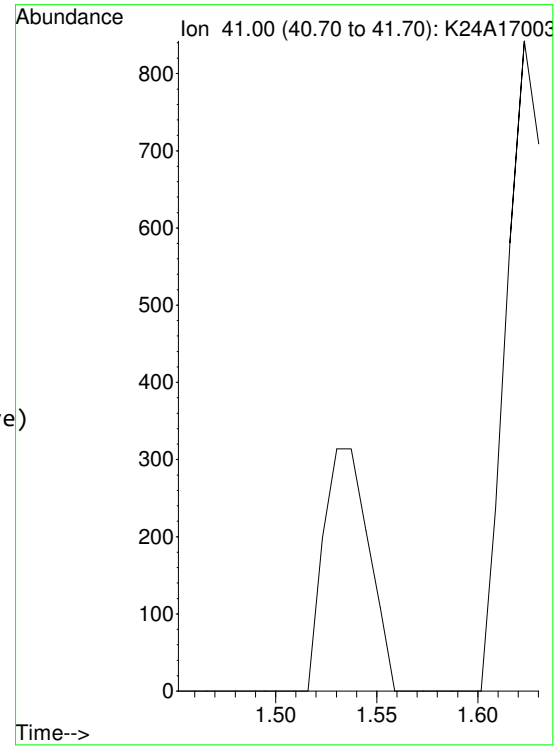
RT : 1.53
Area : 488
Amount: 0.127119

Manual Int. Results

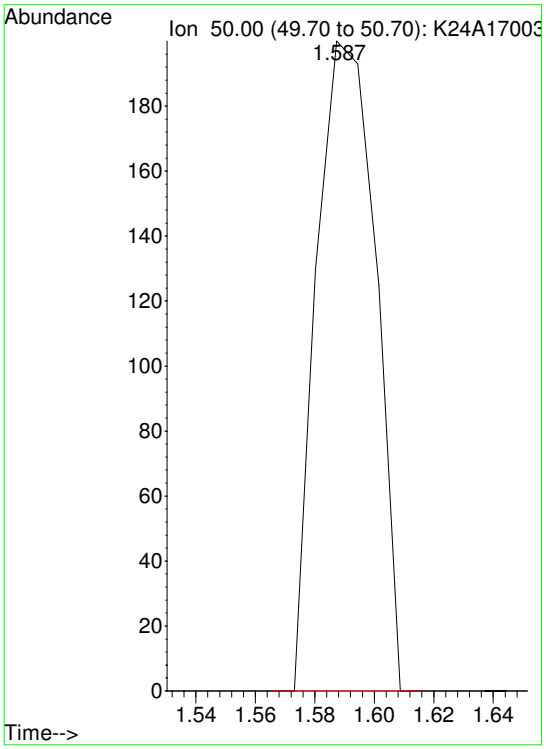
Wed Jun 19 11:53:56 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
PROPENE



Original Integration
CHLOROMETHANE



Original Int. Results

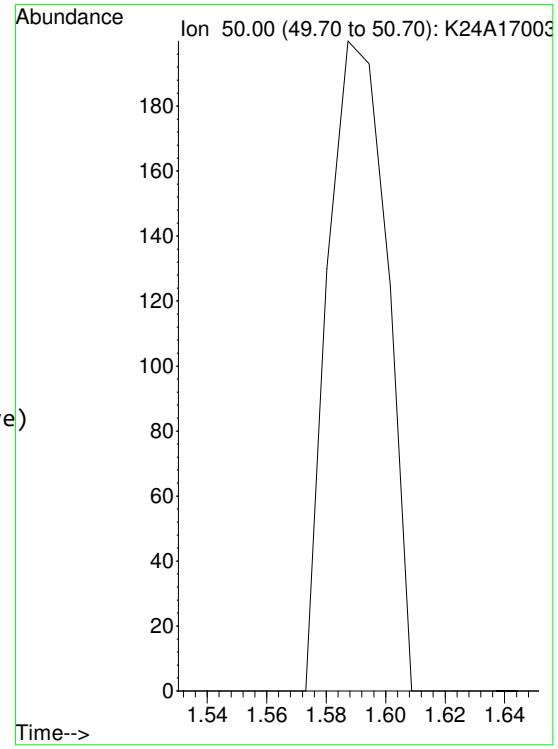
RT : 1.59
Area : 277
Amount: 0.0368673

Manual Int. Results

Wed Jun 19 11:53:58 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

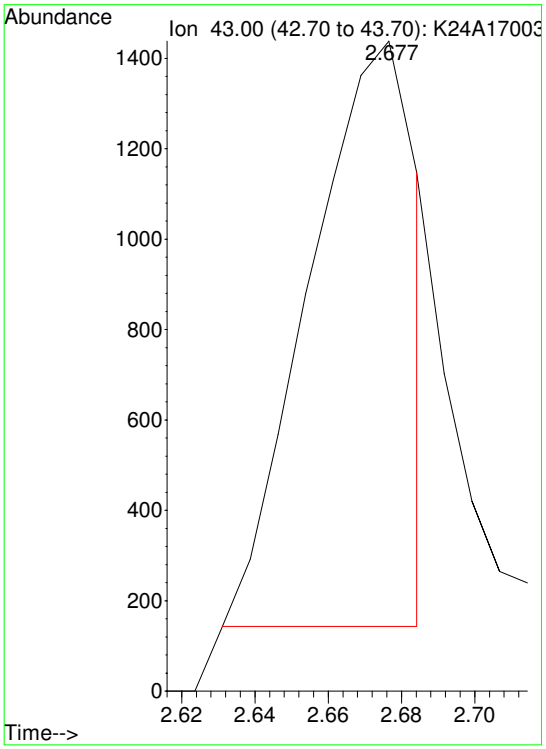
Manual Integration
CHLOROMETHANE



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170031.D
Acq On : 19 Jun 2024 09:20 am
Operator : CMR
Sample : 24F1161-04DUP 10X
Misc : 1.5,1,200,30,10XDUP

Quant Time : Wed Jun 19 11:54:31 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
VINYL ACETATE



Original Int. Results

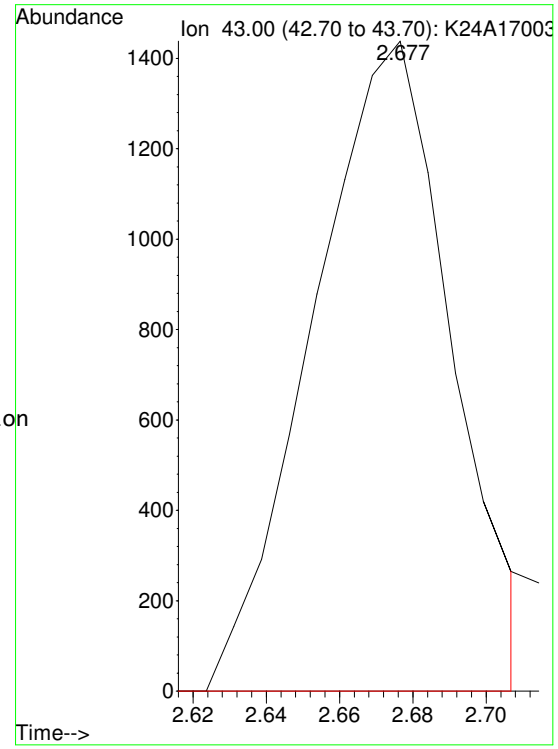
RT : 2.68
Area : 2641
Amount: 0.1521

Manual Int. Results

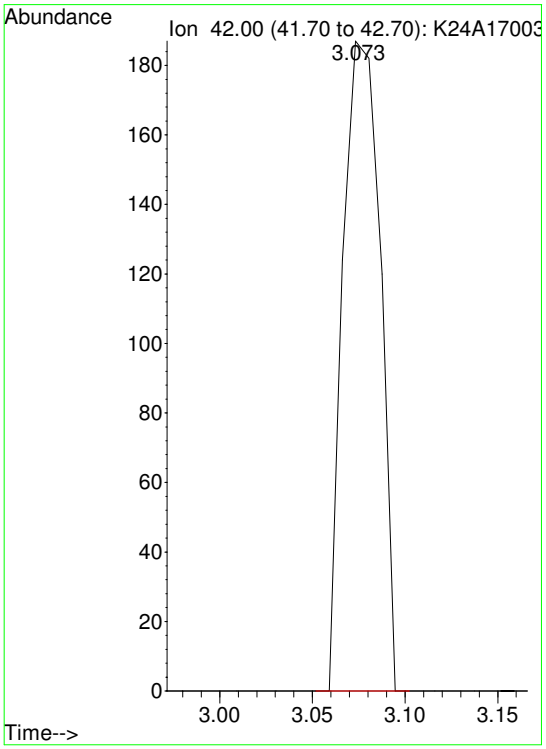
Wed Jun 19 11:54:08 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 2.68
Area : 3790
Amount: 0.218273

Manual Integration
VINYL ACETATE



Original Integration
TETRAHYDROFURAN



Original Int. Results

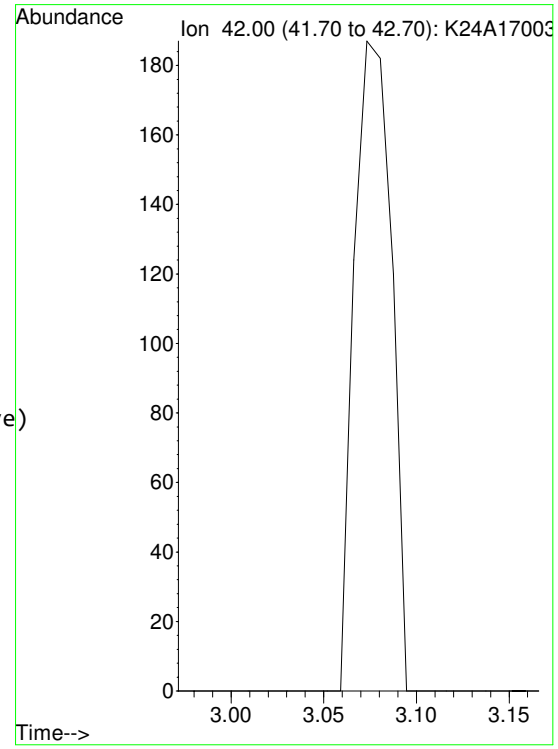
RT : 3.07
Area : 262
Amount: 0.0460156

Manual Int. Results

Wed Jun 19 11:54:13 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

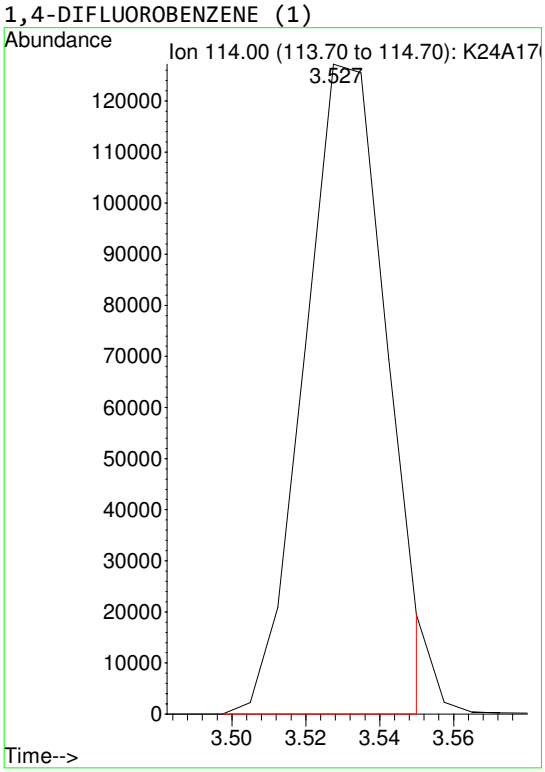
Manual Integration
TETRAHYDROFURAN



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170031.D
Acq On : 19 Jun 2024 09:20 am
Operator : CMR
Sample : 24F1161-04DUP 10X
Misc : 1.5,1,200,30,10XDUP

Quant Time : Wed Jun 19 11:54:31 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
1,4-DIFLUOROBENZENE (1)



Original Int. Results

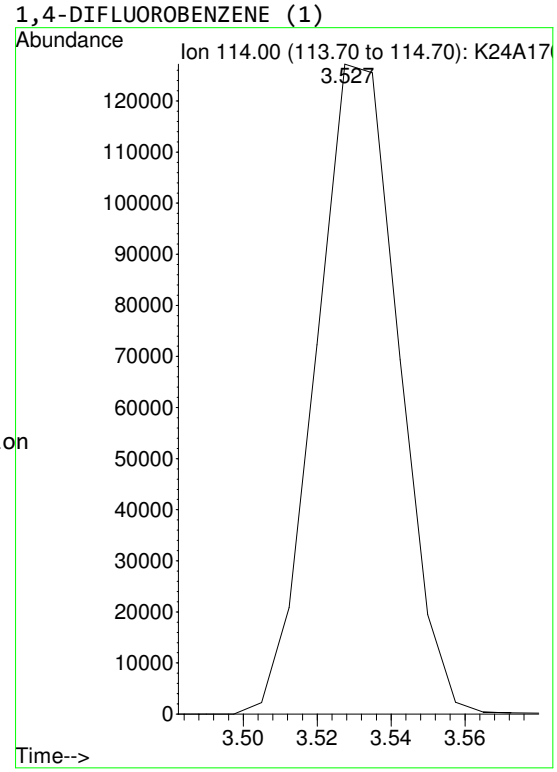
RT : 3.53
Area : 196610
Amount: 8

Manual Int. Results

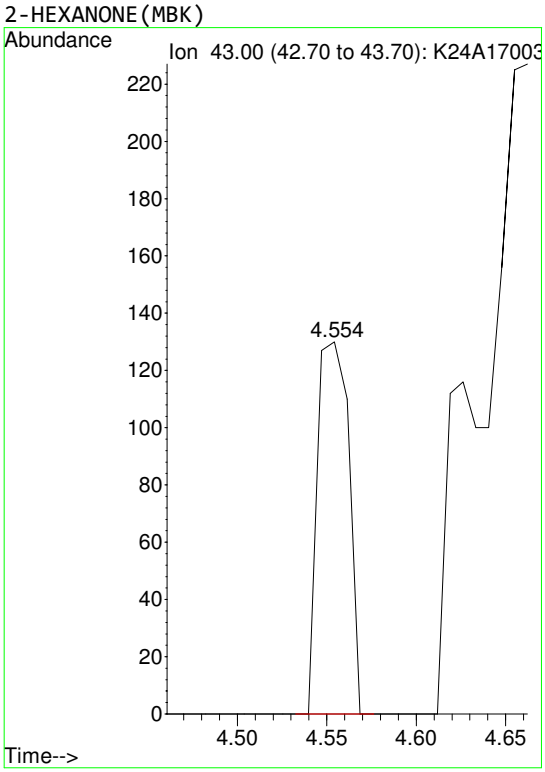
Wed Jun 19 11:54:15 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 3.53
Area : 198074
Amount: 8

Manual Integration
1,4-DIFLUOROBENZENE (1)



Original Integration
2-HEXANONE(MBK)



Original Int. Results

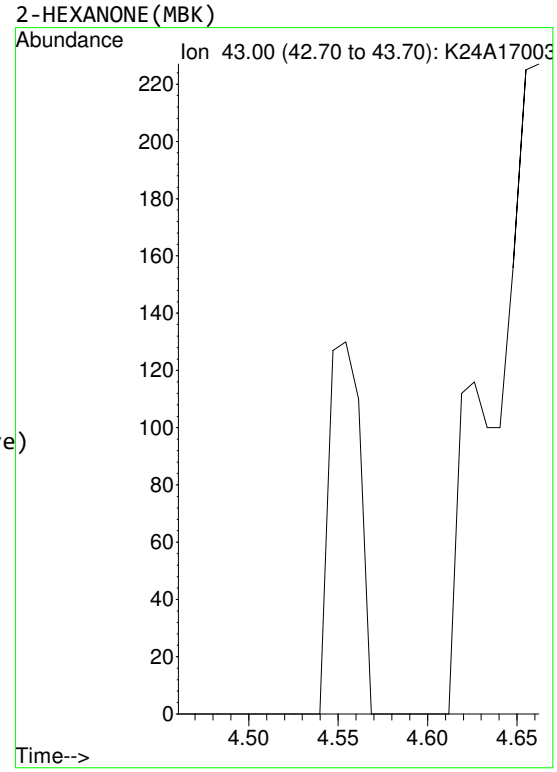
RT : 4.55
Area : 158
Amount: 0.0109632

Manual Int. Results

Wed Jun 19 11:54:24 2024

MIuser: CMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

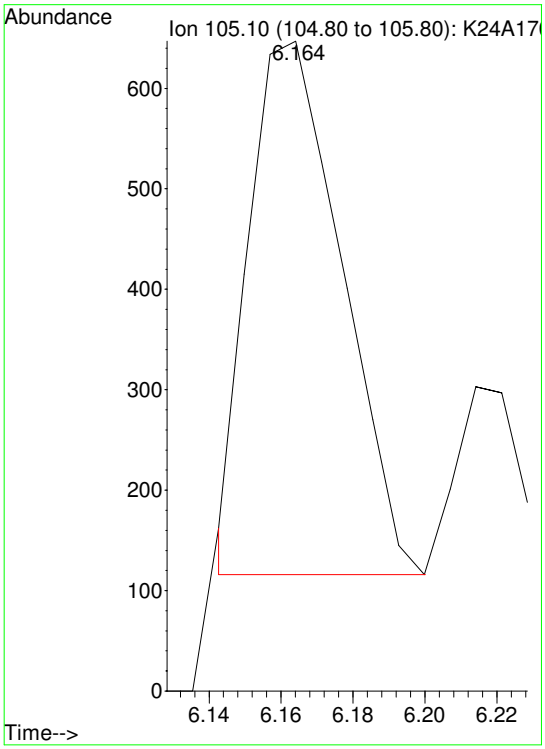
Manual Integration
2-HEXANONE(MBK)



Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170031.D
Acq On : 19 Jun 2024 09:20 am
Operator : CMR
Sample : 24F1161-04DUP 10X
Misc : 1.5,1,200,30,10XDUP

Quant Time : Wed Jun 19 11:54:31 2024
Quant Method : D:\MassHunter\GCMS\1\methods\K041524SIM.M
QLast Update : Tue Apr 23 10:16:53 2024

Original Integration
4-ETHYLTOLUENE



Original Int. Results

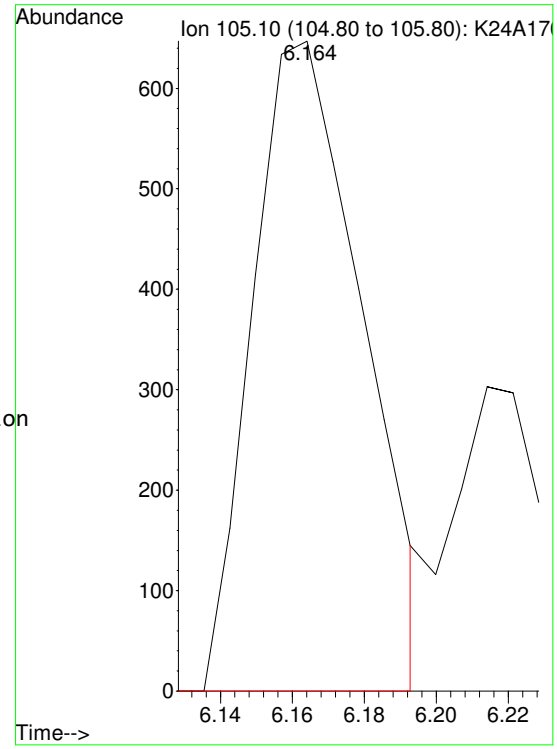
RT : 6.16
Area : 956
Amount: 0.029974

Manual Int. Results

Wed Jun 19 11:54:31 2024

MIuser: CMR
Reason: Incorrect Integration
RT : 6.16
Area : 1375
Amount: 0.0431112

Manual Integration
4-ETHYLTOLUENE



Data Path : D:\MassHunter\GCMS\1\data\K061824\ 470
Data File : K24A170031.D
Acq On : 19 Jun 2024 09:20 am
Operator : CMR
Sample : 24F1161-04DUP 10X Inst : SYSK
Misc : 1.5,1,200,30,10XDUP
ALS Vial : 11 Sample Multiplier: 1
InstName : SYSK

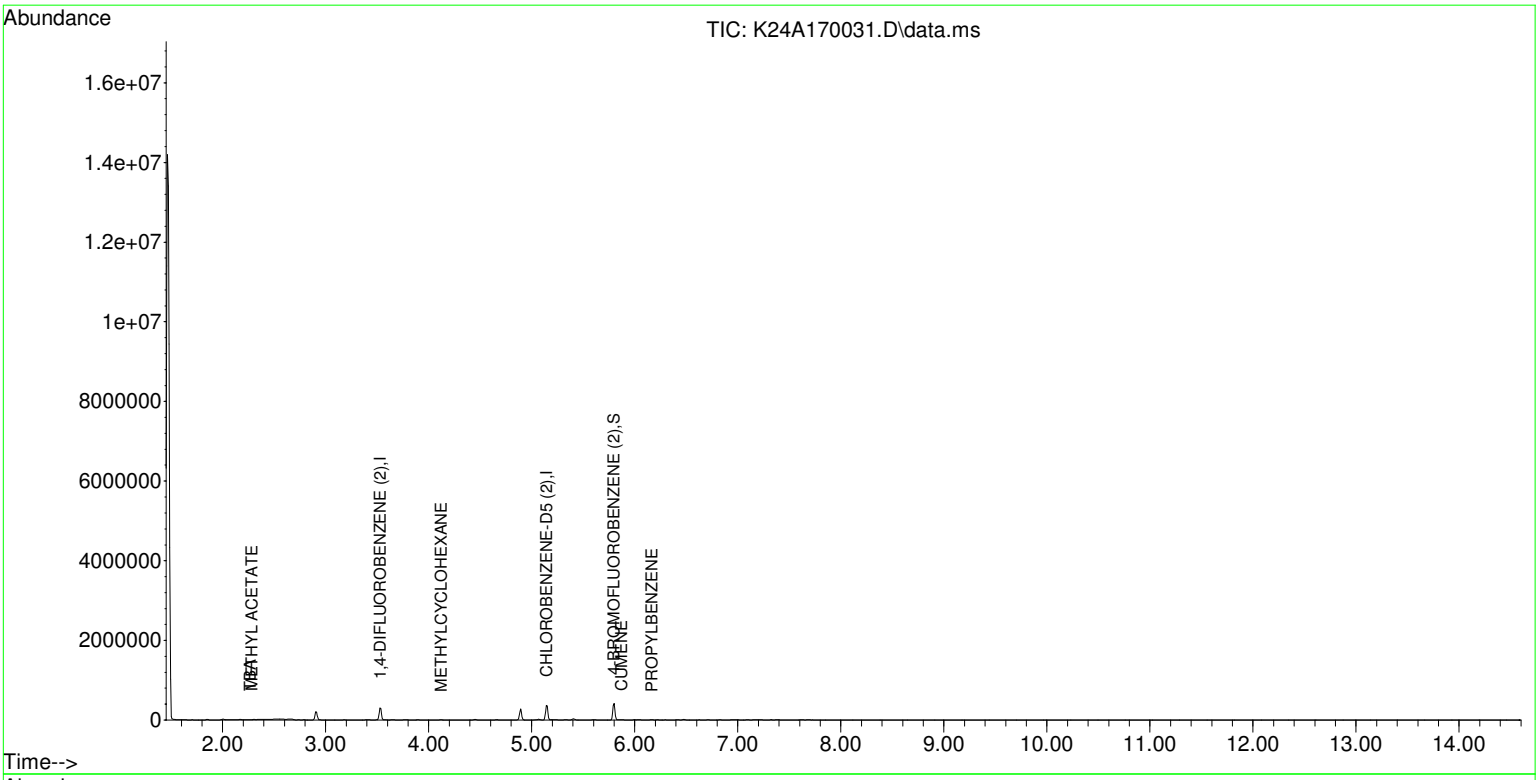
Quant Time: Jun 19 11:56:06 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX051524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed May 15 09:37:36 2024
Response via : Initial Calibration

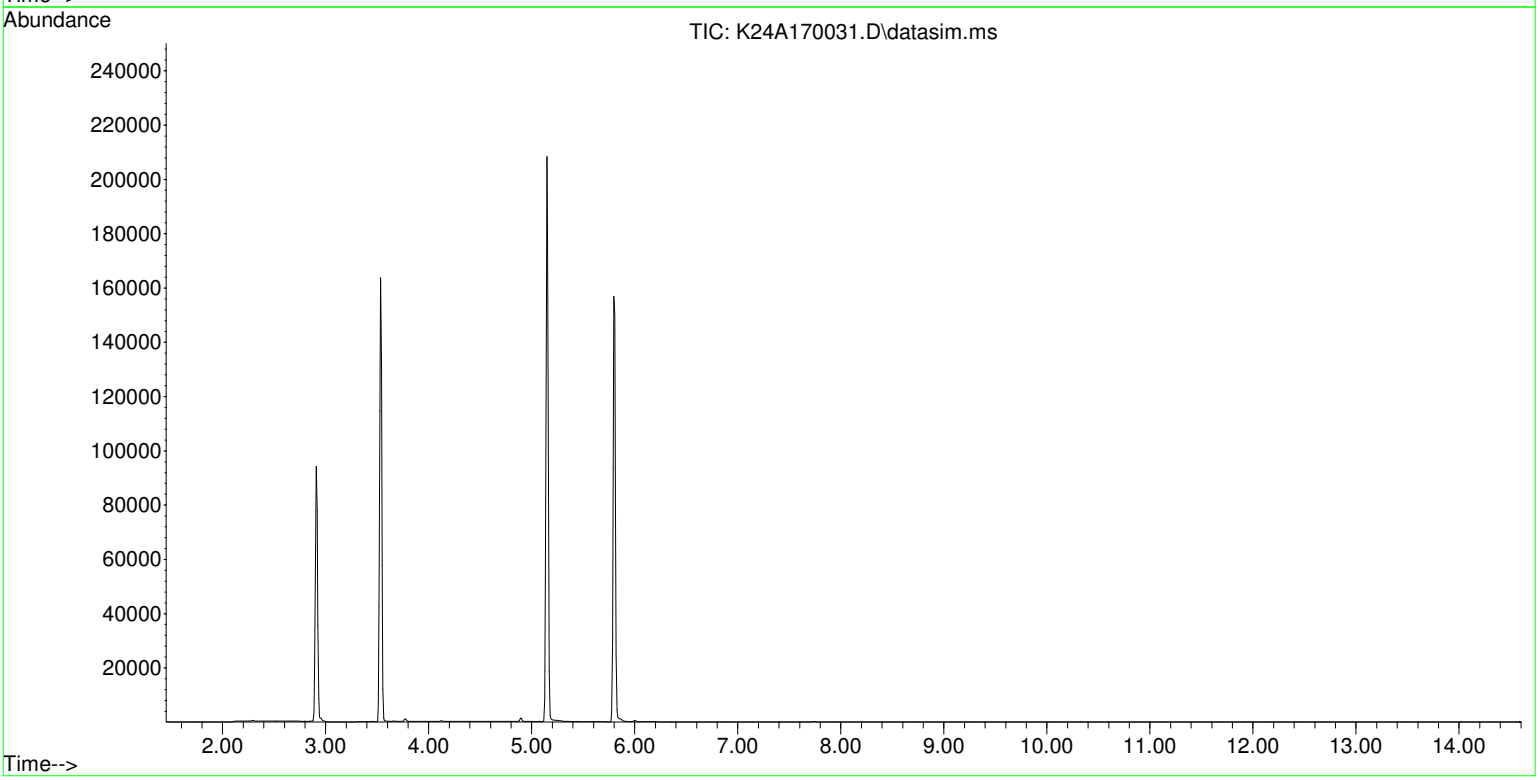
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-DIFLUOROBENZENE (2)	3.527	114	197881	8.000	PPBV	0.00
7) CHLOROBENZENE-D5 (2)	5.142	54	38827	8.000	PPBV	0.00
System Monitoring Compounds						
10) 4-BROMOFLUOROBENZENE (2)	5.799	174	105299	9.944	PPBV	0.00
Spiked Amount 8.00	Range 70 - 130		Recovery = 124.25%			
Target Compounds						Qvalue
3) METHYL ACETATE	2.283	43	365	0.021	PPBV #	53
4) TBA	2.268	59	218	0.011	PPBV #	25
6) METHYLCYCLOHEXANE	4.123	83	396	0.022	PPBV #	82
11) CUMENE	5.871	105	3406	0.069	PPBV	99
12) PROPYLBENZENE	6.164	120	365	0.034	PPBV #	1

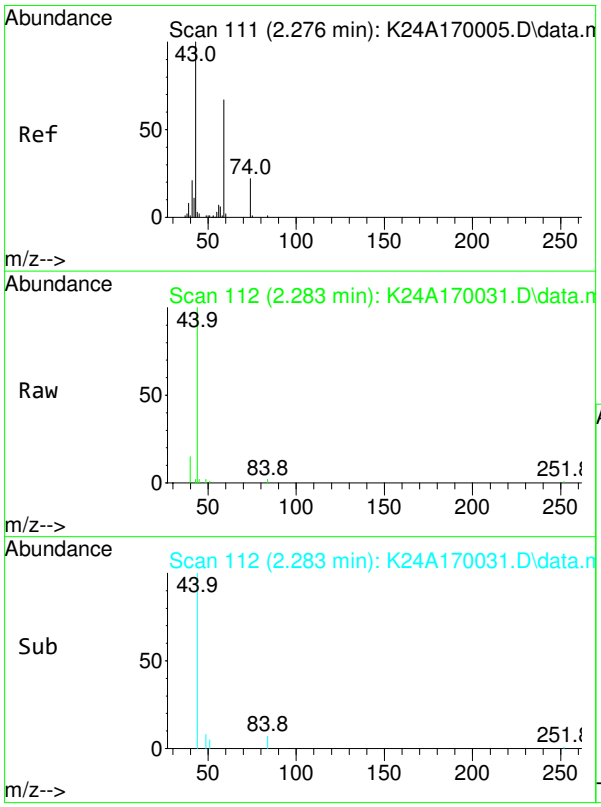
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\MassHunter\GCMS\1\data\K061824\
Data File : K24A170031.D
Acq On : 19 Jun 2024 09:20 am
Operator : CMR
Sample : 24F1161-04DUP 10X Inst : SYSK
Misc : 1.5,1,200,30,10XDUP
ALS Vial : 11 Sample Multiplier: 1
InstName : SYSK

Quant Time: Jun 19 11:56:06 2024
Quant Method : D:\MassHunter\GCMS\1\methods\EX051524.M
Quant Title : QUANT METHOD FOR TO-14/TO-15
QLast Update : Wed May 15 09:37:36 2024
Response via : Initial Calibration



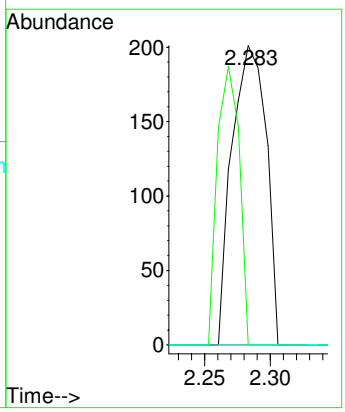


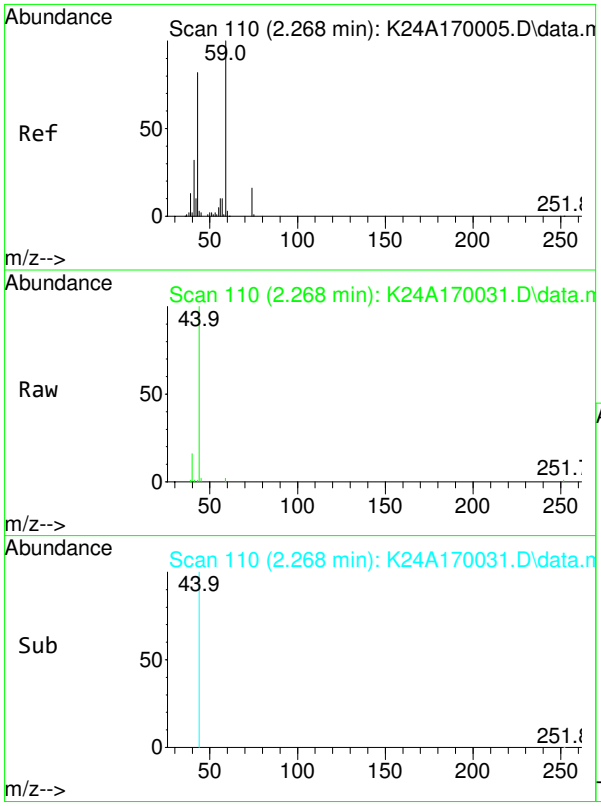


#3
METHYL ACETATE
Concen: 0.02 PPBV
RT: 2.283 min Scan# 112
Delta R.T. 0.015 min
Lab File: K24A170031.D
Acq: 19 Jun 2024 09:20 am

Tgt Ion: 43 Resp: 365

Ion	Ratio	Lower	Upper
43	100		
59	59.7	91.3	131.3#
74	0.0	0.0	33.8

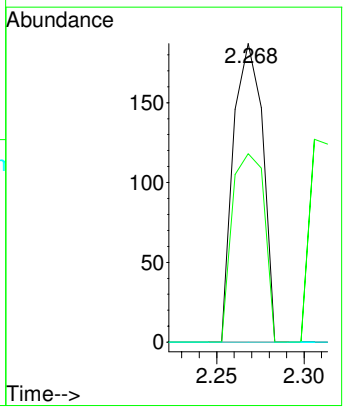


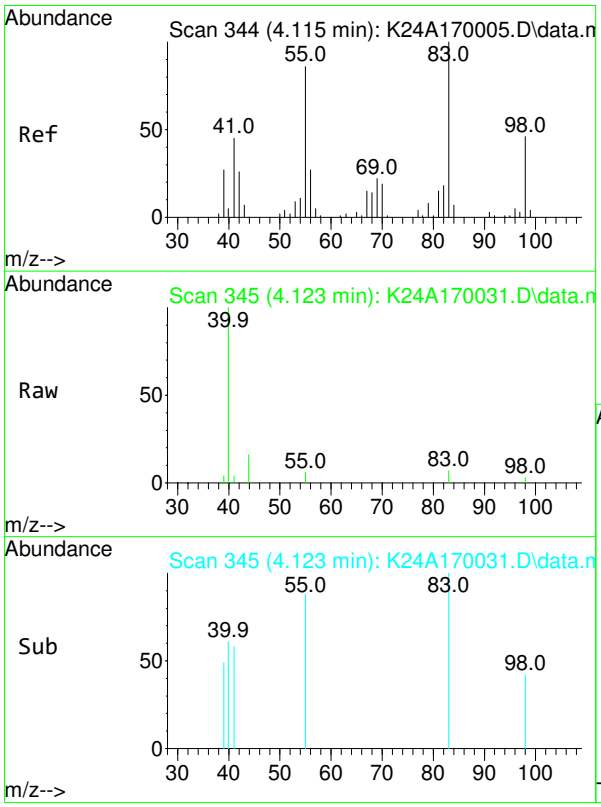


#4
TBA
Concen: 0.01 PPBV
RT: 2.268 min Scan# 110
Delta R.T. 0.007 min
Lab File: K24A170031.D
Acq: 19 Jun 2024 09:20 am

Tgt Ion: 59 Resp: 218

Ion	Ratio	Lower	Upper
59	100		
41	69.3	2.2	42.2#
57	0.0	0.0	30.9

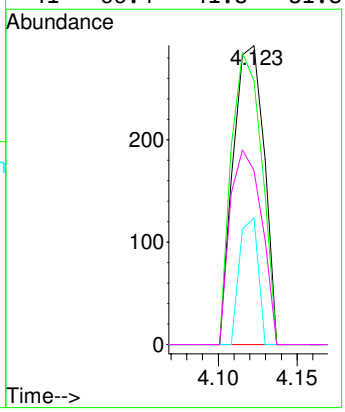


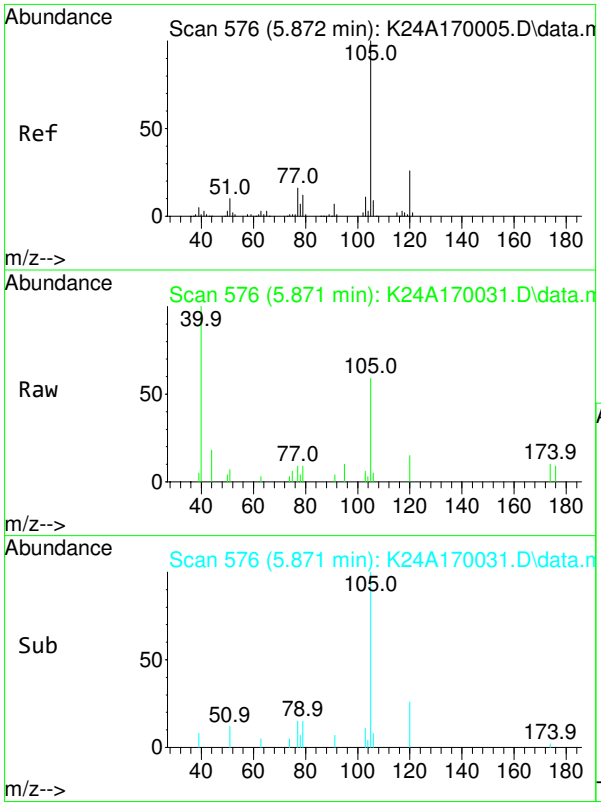


#6
METHYLCYCLOHEXANE
Concen: 0.02 PPBV
RT: 4.123 min Scan# 345
Delta R.T. 0.007 min
Lab File: K24A170031.D
Acq: 19 Jun 2024 09:20 am

Tgt Ion: 83 Resp: 396

Ion	Ratio	Lower	Upper
83	100		
55	96.2	96.7	136.7#
98	25.8	27.9	67.9#
41	66.4	41.8	81.8

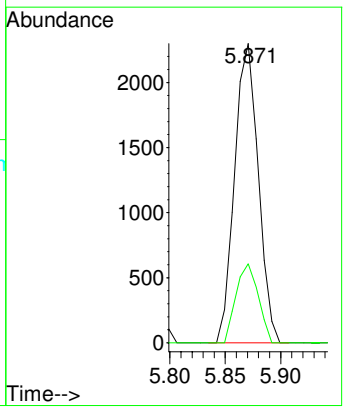


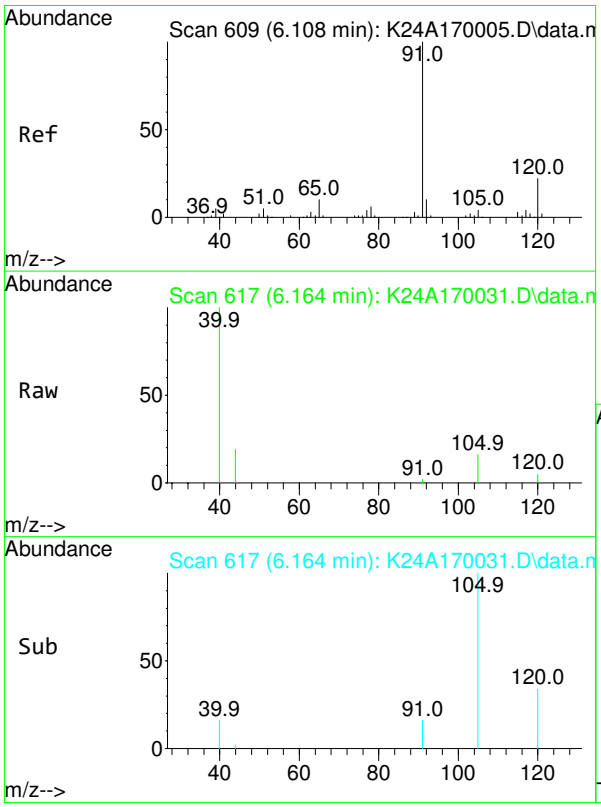


#11
CUMENE
Concen: 0.07 PPBV
RT: 5.871 min Scan# 576
Delta R.T. -0.001 min
Lab File: K24A170031.D
Acq: 19 Jun 2024 09:20 am

Tgt Ion:105 Resp: 3406

Ion	Ratio	Lower	Upper
105	100		
120	24.7	4.3	44.3

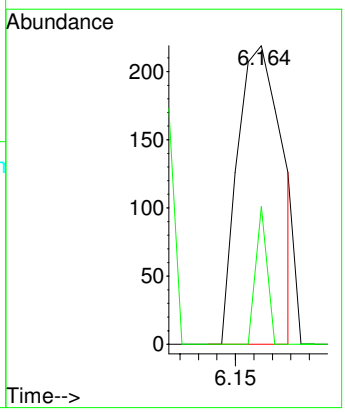




#12
PROPYLBENZENE
Concen: 0.03 PPBV
RT: 6.164 min Scan# 617
Delta R.T. 0.056 min
Lab File: K24A170031.D
Acq: 19 Jun 2024 09:20 am

Tgt Ion:120 Resp: 365

Ion	Ratio	Lower	Upper
120	100		
91	69.3	455.0	495.0#



D:\MassHunter\GCMS\1\data\K061824\

Date	Filename	Lab ID	Sample Info
18 Jun 2024 10:02 am	K24A170001.D	CLUP	
18 Jun 2024 10:35 am	K24A170002.D	BFB	CTIS-620-1800
18 Jun 2024 11:05 am	K24A170003.D	5.0PPBv CCV	CTWS-4214-2475 07/17
18 Jun 2024 11:34 am	K24A170004.D	5.0PPBv LCS	CTWS-4208-2153 06/23
18 Jun 2024 12:04 pm	K24A170005.D	6.25ug-m3 CCV	CTWS-4209-2055 07/05
18 Jun 2024 12:33 pm	K24A170006.D	6.25ug-m3 LCS	CTWS-4210-1812 07/05
18 Jun 2024 01:01 pm	K24A170007.D	CLUP	
18 Jun 2024 01:38 pm	K24A170008.D	CLUP	1,1,200,290,0.69X
18 Jun 2024 02:13 pm	K24A170009.D	MBL 0.69X	1,1,200,290,0.69X
18 Jun 2024 02:50 pm	K24A170010.D	24F1161-01 0.8X	2,1,200,500,0.8X
18 Jun 2024 03:27 pm	K24A170011.D	24F1161-02 0.8X	2,1,200,500,0.8X
18 Jun 2024 04:04 pm	K24A170012.D	24F1161-03 0.7X	1.5,1,200,430,0.7X
18 Jun 2024 04:42 pm	K24A170013.D	24F1161-04 0.7X	1.5,1,200,430,0.7X
18 Jun 2024 05:18 pm	K24A170014.D	24F1161-04 DUP 0.7X	1.5,1,200,430,0.7X
18 Jun 2024 05:47 pm	K24A170015.D	CLUP	
18 Jun 2024 06:24 pm	K24A170016.D	24F1838-05 0.7X	1.74,1,200,500,0.7X
18 Jun 2024 06:56 pm	K24A170017.D	24F1838-01 2X	1.5,1,200,150,2X
18 Jun 2024 07:29 pm	K24A170018.D	24F1838-02 2X	2,1,200,200,2X
18 Jun 2024 08:01 pm	K24A170019.D	24F1838-03 2X	2,1,200,200,2X
18 Jun 2024 08:32 pm	K24A170020.D	24F1838-04 2X	2,1,200,200,2X
18 Jun 2024 09:02 pm	K24A170021.D	24F2193-01 30X	1.5,1,200,10,30X
18 Jun 2024 09:32 pm	K24A170022.D	24F2193-02 30X	1.5,1,200,10,30X
18 Jun 2024 10:03 pm	K24A170023.D	24F2193-03 30X	1.5,1,200,10,30X
18 Jun 2024 10:33 pm	K24A170024.D	24F2193-04 30X	1.5,1,200,10,30X
18 Jun 2024 11:04 pm	K24A170025.D	24F2193-05 30X	1.5,1,200,10,30X
18 Jun 2024 11:34 pm	K24A170026.D	24F2193-06 30X	1.5,1,200,10,30X
19 Jun 2024 12:03 am	K24A170027.D	24F2193-07 30X	1.5,1,200,10,30X
19 Jun 2024 12:34 am	K24A170028.D	CLUP	
19 Jun 2024 08:11 am	K24A170029.D	CLUP	
19 Jun 2024 08:41 am	K24A170030.D	24F1161-04 10X	1.5,1,200,30,10X
19 Jun 2024 09:20 am	K24A170031.D	24F1161-04DUP 10X	1.5,1,200,30,10XDUP

Sequence Report

6/19/2024 9:44:58 AM

ID	Name	Inlet	Pos.	Int Std	Cal Std	Sample	Method	Inject	Status	Error	Notes
	CLUP	One	T3	50	0	50	TW07072 0.7200A.CTD	6/18/2024 10:02:47 AM	Completed		
	BFB	One	T2	50	0	50	TW07072 0.7200A.CTD	6/18/2024 10:35:00 AM	Completed		
	5.0PPBv CCV	One	T2	50	0	50	TW07072 0.7200A.CTD	6/18/2024 11:05:10 AM	Completed		
	5.0PPBv LCS	One	T3	50	0	50	TW07072 0.7200A.CTD	6/18/2024 11:34:32 AM	Completed		
	6.25ug-m3 CCV	One	T4	50	0	50	TW07072 0.7200A.CTD	6/18/2024 12:04:42 PM	Completed		
	6.25ug-m3 LCS	One	T5	50	0	50	TW07072 0.7200A.CTD	6/18/2024 12:33:14 PM	Completed		
	CLUP	One	T6	50	0	10	TW07072 0.7200A.CTD	6/18/2024 1:01:47 PM	Completed		
	CLUP	One	T6	50	0	290	TW07072 0.7200A.CTD	6/18/2024 1:38:45 PM	Completed		
	MBL 0.69X	One	T7	50	0	290	TW07072 0.7200A.CTD	6/18/2024 2:13:12 PM	Completed		
	24F1161-01 0.8X	One	T8	50	0	500	TW07072 0.7200A.CTD	6/18/2024 2:50:16 PM	Completed		
	24F1161-02 0.8X	One	T9	50	0	500	TW07072 0.7200A.CTD	6/18/2024 3:27:28 PM	Completed		
	24F1161-03 0.7X	One	T10	50	0	430	TW07072 0.7200A.CTD	6/18/2024 4:04:28 PM	Completed		
	24F1161-04 0.7X	One	T11	50	0	430	TW07072 0.7200A.CTD	6/18/2024 4:42:04 PM	Completed		
	24F1161-04 DUP0.7X	One	T11	50	0	430	TW07072 0.7200A.CTD	6/18/2024 5:18:12 PM	Completed		
	CLUP	Two	T1	50	0	100	TW07072 0.7200A.CTD	6/18/2024 5:47:57 PM	Completed		

Sequence Report

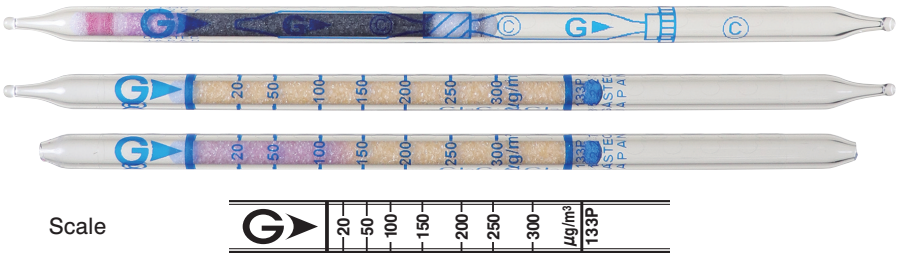
6/19/2024 9:44:58 AM

	24F1838-05 0.7X	Two	T2	50	0	500	TW07072 0.7200A.CTD	6/18/2024 6:24:40 PM	Completed		
	24F1838-01 2X	Two	T3	50	0	150	TW07072 0.7200A.CTD	6/18/2024 6:56:19 PM	Completed		
	24F1838-02 2X	Two	T4	50	0	200	TW07072 0.7200A.CTD	6/18/2024 7:29:37 PM	Completed		
	24F1838-03 2X	Two	T5	50	0	200	TW07072 0.7200A.CTD	6/18/2024 8:01:09 PM	Completed		
	24F1838-04 2X	Two	T6	50	0	200	TW07072 0.7200A.CTD	6/18/2024 8:32:51 PM	Completed		
	24F2193-01 30X	Two	T7	50	0	10	TW07072 0.7200A.CTD	6/18/2024 9:02:35 PM	Completed		
	24F2193-02 30X	Two	T8	50	0	10	TW07072 0.7200A.CTD	6/18/2024 9:32:44 PM	Completed		
	24F2193-03 30X	Two	T9	50	0	10	TW07072 0.7200A.CTD	6/18/2024 10:03:14 PM	Completed		
	24F2193-04 30X	Two	T10	50	0	10	TW07072 0.7200A.CTD	6/18/2024 10:33:43 PM	Completed		
	24F2193-05 30X	Two	T11	50	0	10	TW07072 0.7200A.CTD	6/18/2024 11:04:36 PM	Completed		
	24F2193-06 30X	Two	T12	50	0	10	TW07072 0.7200A.CTD	6/18/2024 11:34:19 PM	Completed		
	24F2193-07 30X	Two	T13	50	0	10	TW07072 0.7200A.CTD	6/19/2024 12:03:58 AM	Completed		
	CLUP	Two	T14	50	0	10	TW07072 0.7200A.CTD	6/19/2024 12:34:40 AM	Completed		
	CLUP	One	T6	50	0	10	TW07072 0.7200A.CTD	6/19/2024 8:11:05 AM	Completed		
	24F1161-04 10X	One	T11	50	0	30	TW07072 0.7200A.CTD	6/19/2024 8:41:20 AM	Completed		
	24F1161-04DUP 10X	One	T11	50	0	30	TW07072 0.7200A.CTD	6/19/2024 9:20:26 AM	Completed		

Appendix B – Gastec Sampler Details

Detector tube

Tetrachloroethylene $Cl_2C{:}CCl_2$ No.133P



Scale

Performance

When used, these tubes are to be connected.

Measuring range	20 to 300 $\mu g/m^3$	300 to 720 $\mu g/m^3$
Sampling rate	100 mL/min (3000 mL)	100 mL/min (1500 mL)
Correction factor	1	2.4
Sampling time	30 min	15 min

Detecting limit : 5 $\mu g/m^3$ (3000 mL)
Colour change : Yellow → Purple
Operating conditions : Temperature 5 to 40 °C (41 to 104 °F) correction used
Relative humidity 20 to 80 % correction not used
Relative standard deviation : 10 % (for 20 to 100 $\mu g/m^3$), 5 % (for 100 to 300 $\mu g/m^3$)
Tube quantity and number of tests per box : 10 tubes for 5 tests
Shelf life : 24 months

Reaction principle

$Cl_2C{:}CCl_2 + PbO_2 + H_2SO_4 \rightarrow HCl$
$HCl + Base \rightarrow Chloride$

Possible coexisting substances and their interferences

Substance	Interference	Changes colour by itself to
Hydrogen chloride, Chlorine	No	No
Vinyl chloride	+	Purple
1,2-Dichloroethylene	+	Purple
Trichloroethylene	+	Purple
1,1,1-Trichloroethane	No	No
Toluene	No	No
Xylene	No	No

Calibration gas generation

Permeation tube method

Special note

In case of outdoor measurement, keep the tube out of direct sunlight.

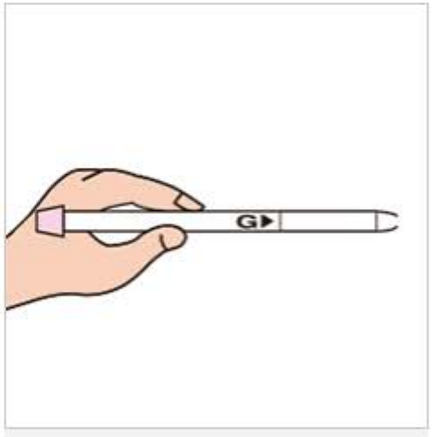
Detector tubes for Automatic air sampling pump

A detector tube that performs measurements using an automatic air sampling pump.
The automatic air sampling pump samples the air sample for a set duration of time and at a set speed via the detector tube. This allows for measurements of malodorous substances, and of the working/indoor environment.

Measuring Procedure

1. Break tips off the detector tube using the tube tip holder.

2. Insert the detector tube to the inlet of the rubber tube holder. Turn the power switch ON. Adjust the flow rate, confirm that the timer of the air sampling pump is set, then push the start button.



3. After sampling, remove the detector tube from the rubber tube holder and read the concentration of the tube.

GASTEC No.133P Instructions for Tetrachloroethylene Detector Tube

FOR SAFE OPERATION :

Carefully read this manual and the instruction manual of your Air Sampling Pump.

⚠ CAUTION : If you do not observe the following precautions, you may suffer injuries or damage the product.

1. When breaking the tube ends, keep away from eyes.
2. Do not touch the broken glass tubes, pieces or reagent with bare hand(s).

⚠NOTES : For maintaining performance and reliability of the test results, observe the following.

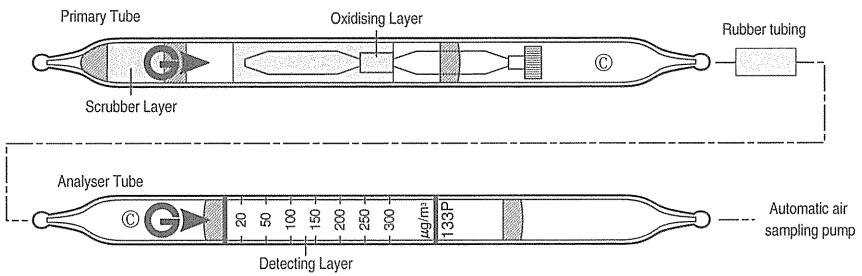
1. Recommend to use Gastec Gas Sampling device Model GSP-300FT-2 (if not available use the air sampling pump of equivalent to sample for 100mL/min) together with Gastec Detector Tubes only for the purposes specified in the instruction manual of the detector tube.
2. Use this tube within the temperature range of 5 - 40℃ (41 - 104℉).
3. Use this tube within the relative humidity range of 20 - 80%.
4. This tube may be interfered by the coexisting gases. Please refer to the table "INTERFERENCES" below.
5. Shelf life and storage condition of the tube are marked on the label of the box of tube.
6. During the measurement, keep tubes out of direct sunlight.

APPLICATION OF THE TUBE :

Use this tube for detecting Tetrachloroethylene in the air or in industrial areas and for determining the environmental atmospheric condition.

SPECIFICATION :

(Because of Gastec's commitment to continued improvement, specifications are subject to change without notice.)



Measuring Range	20 - 300 μg/m³	300 - 720 μg/m³
Sampling Rate	100 mL/min	100 mL/min
Correction Factor	1	2.4
Sampling Time	30 minutes	15 minutes
Detecting Limit	5 μg/m³ (3000 mL)	
Colour Change	Yellow → Purple	
Reaction Principle	Tetrachloroethylene reacts with oxidising agent to produce intermediate products to produce purple stain.	

Coefficient of Variation : 10% (for 20 to 100 μg/m³), 5% (for 100 to 300 μg/m³)
****Shelf Life : Please refer to the validity date printed on the box of tubes.**
****Store the tubes in a cool and dark place.**

CORRECTION FOR TEMPERATURE, HUMIDITY AND PRESSURE :

Temperature : Correct for temperature by the table below :

Tube Reading (μg/m³)	True Concentration (μg/m³)							
	5℃ (41℉)	10℃ (50℉)	15℃ (59℉)	20℃ (68℉)	25℃ (77℉)	30℃ (86℉)	35℃ (95℉)	40℃ (104℉)
300	450	355	325	300	250	200	185	65
250	385	300	275	250	210	165	140	50
200	305	235	215	200	160	125	105	30
150	235	175	165	150	120	95	75	20
100	160	125	110	100	80	60	45	10
50	80	65	55	50	40	25	20	5
20	35	30	25	20	15	10	5	3

Humidity : No correction is required between 20 - 80% R.H.

Pressure : To correct for pressure, multiply the tube reading by

$$\frac{\text{Tube Reading}^{*}\ (\mu g/m^3) \times 1013\ (hPa)}{\text{Atmospheric Pressure (hPa)}}$$

* This value is after other correction(s), if applied any.

MEASUREMENT PROCEDURE :

If automatic air sampling pump Model GSP-300FT-2 is used

1. Prior to operation please confirm if black colour inlet rubber tube holder is equipped with the pump.
2. Break tips off a fresh primary tube and an analyser tube with the tube tip holder supplied.
3. Connect Ⓒ marked ends with rubber tubing after breaking each end.
4. Insert the analyser tube into the pump inlet with arrow (G►) on the tube pointing toward pump.
5. Set the flow metre at 100 mL/min and timer to “30 minutes” of the pump. Press the start switch of the pump to start the sampling.
6. After the sampling, remove the detector tube from the pump.
7. Read concentration level at the interface where the stained reagent meets the unstained reagent.
8. For measurements higher than 300 μg/m³, prepare a pair of fresh tubes. Set the flow metre at 100 mL/min and timer to “15 minutes” of the pump and start the sampling again.

9. If temperature correction is necessary, obtain the true concentration by using the temperature correction table. Afterwards multiply the correction factor of sampling time if necessary.
10. If pressure correction is necessary, use the pressure correction formula.

INTERFERENCES :

Substance	Interference	Changes colour by itself to
Hydrogen chloride, Chlorine	No	No discolouration
Vinyl chloride	+	Purple
1,2-Dichloroethylene	+	Purple
Trichloroethylene	+	Purple
1,1,1-Trichloroethane	No	No discolouration
Toluene, Xylene	No	No discolouration

This table of interference gases primarily expresses the interference of each coexisting gas in the gas concentration range, that is equivalent to the gas concentration. Therefore, the test result may give a positive result from other substances not listed in the table. If more information is needed, please contact us or your Gastec representatives.

INSTRUCTIONS ON DISPOSAL :

The reagent of the primary tube uses a small amount of lead. The reagent of the analyser tube does not use toxic substances. When disposing the tube regardless of whether it has been used or not, follow the rules and regulations of your local government.

WARRANTY :

If you have any questions regarding gas detection and quality of the tubes, please feel free to contact your Gastec representatives.

Manufacturer : Gastec Corporation
8-8-6 Fukayanaka, Ayase-City, Kanagawa 252-1195, Japan
https://www.gastec.co.jp/
Telephone +81-467-79-3910 Facsimile +81-467-79-3979

IM01133PE2
Printed in Japan
19E1Z

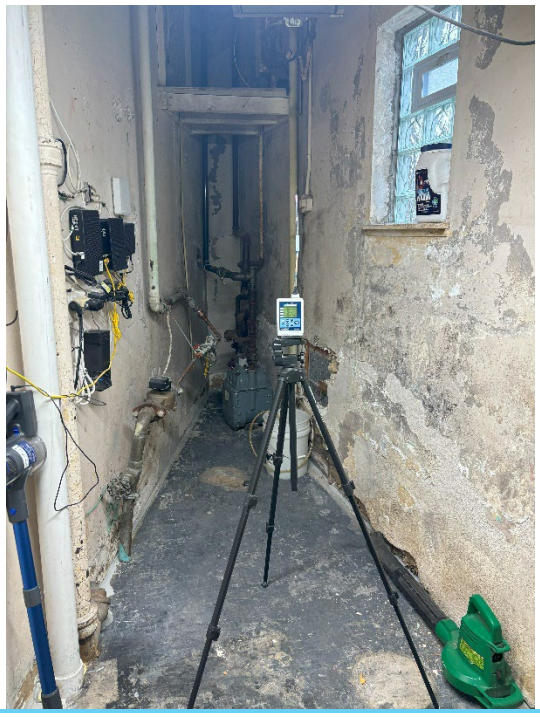
Appendix C – Gastec Sampling Photograph Log

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	1
Date:	11/15/2024
Direction:	

Comments:

Sample Location: IA-TP-1A



Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	2
Date:	11/15/2024
Direction:	

Comments:

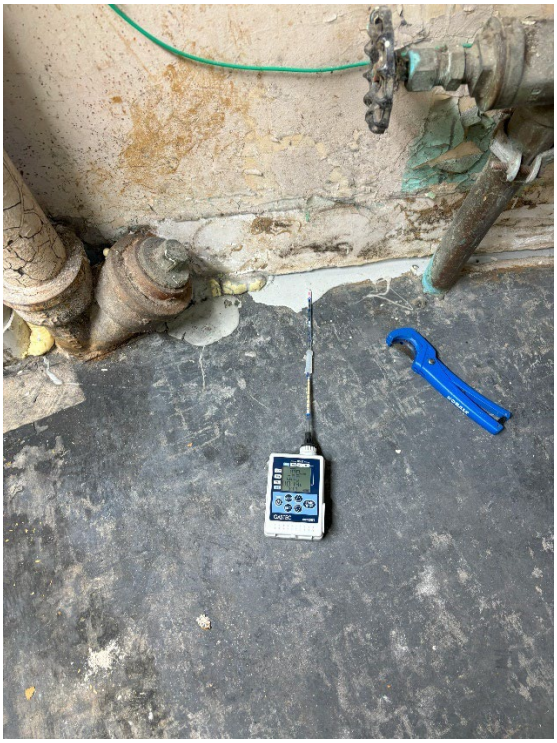
Sample IA-TP-1A Result: Non-Detect (ND). Yellow is the default color of the reagent. When Tetrachloroethylene reacts with the reagent it turns purple. The measuring range of the tube is 20-300 micrograms per cubic meter ($\mu g/m^3$).

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	3
Date:	11/15/2024
Direction:	W

Comments:

Sample Location: IA-TP-2A

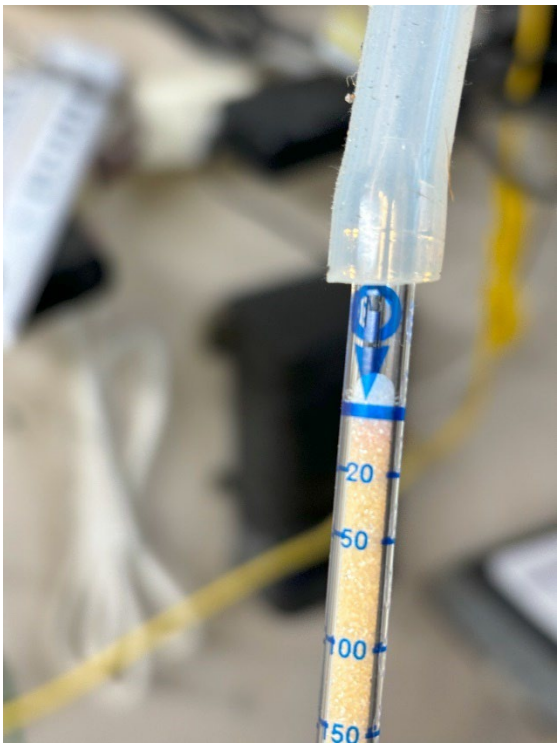


Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	4
Date:	11/15/2024
Direction:	

Comments:

Sample IA-TP-2A Result: ND



Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	5
Date:	11/15/2024
Direction:	

Comments:

Sample Location: IA-TP-3A

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	6
Date:	11/15/2024
Direction:	

Comments:

Sample IA-TP-3A Result: ND

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	7
Date:	11/15/2024
Direction:	

Comments:

Sample Location: IA-TP-4A

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	8
Date:	11/15/2024
Direction:	

Comments:

Sample IA-TP-4A Result: ND

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	9
Date:	11/15/2024
Direction:	

Comments:

Drums located in back utility room. Left to right: 2 x unused 20-Gal drum, 1 x 55-Gal drum containing dry cleaning filters, 1 x 15-Gal drum containing Streets Textile supplement, 1 x 55-Gal drum containing Streets Textile supplement, and 3 x 20-Gal Lab Pack Drums containing residual waste.

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	10
Date:	11/15/2024
Direction:	

Comments:

55-Gal Granular Activated Carbon (GAC) drum in back utility room.

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	11
Date:	11/15/2024
Direction:	

Comments:

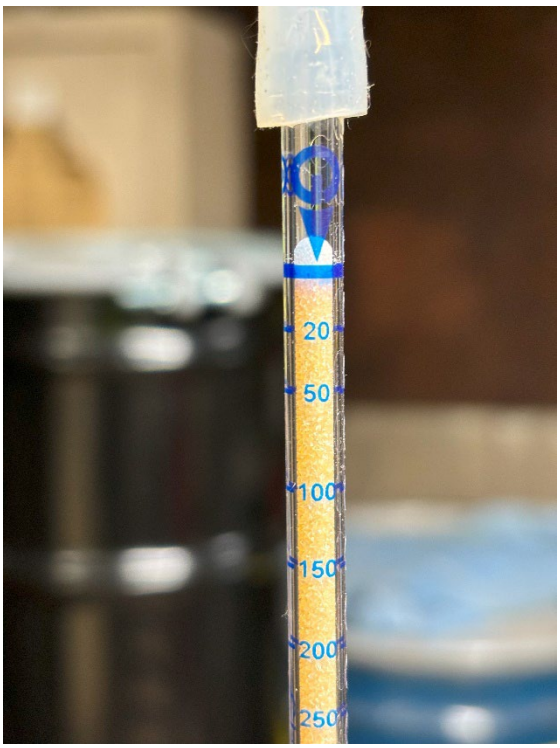
Sample Location: IA-TP-5A

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	12
Date:	11/15/2024
Direction:	

Comments:

Sample IA-TP-5A Result: ND



Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	13
Date:	11/15/2024
Direction:	

Comments:

Sample Location: IA-TP-1B

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	14
Date:	11/15/2024
Direction:	

Comments:

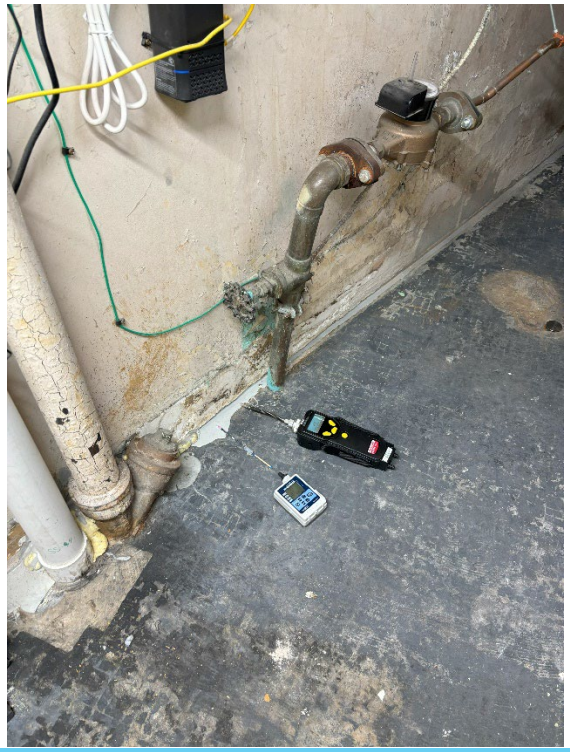
Sample IA-TP-1B Result: ND

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	15
Date:	11/15/2024
Direction:	

Comments:

Sample Location: IA-TP-2B



Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	16
Date:	11/15/2024
Direction:	

Comments:

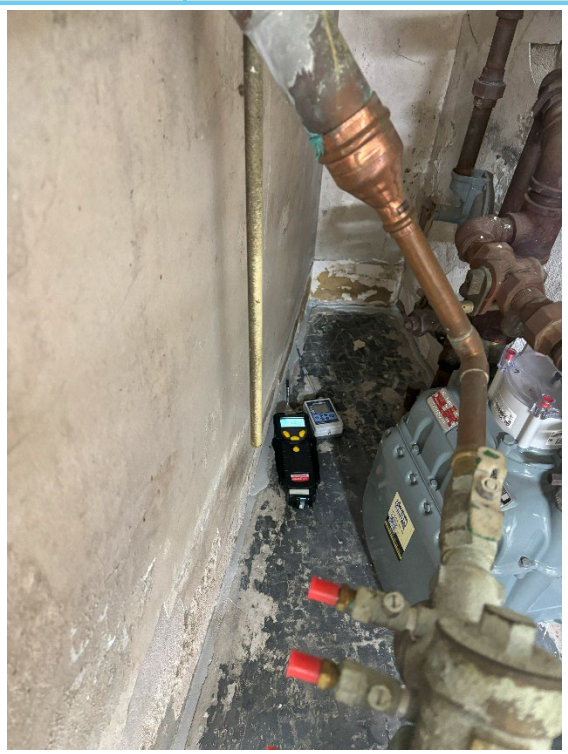
Sample IA-TP-2B Result: ND

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	17
Date:	11/15/2024
Direction:	

Comments:

Sample Location: IA-TP-3B



Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	18
Date:	11/15/2024
Direction:	

Comments:

Sample IA-TP-3B Result: ND

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	19
Date:	11/15/2024
Direction:	

Comments:

Sample Location: IA-TP-4B

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	20
Date:	11/15/2024
Direction:	

Comments:

Sample IA-TP-4B Result: ND

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	21
Date:	11/15/2024
Direction:	

Comments:

Sample IA-TP-5B Result: ND.
No location photo taken.
Same location as IA-TP-5A.

Groundwater & Environmental Services, Inc.
6010 North Bailey Avenue, Suite 1
Amherst, NY 14226
T. 800.287.7857

April 2, 2025

Mr. Charles Gregory
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

Re: Sub Slab Depressurization System (SSDS)
Post Conversion Sampling Results Letter
NYSDEC Site 828120
Carriage Cleaners - Brighton
2101 Monroe Avenue
Brighton, New York

Dear Mr. Gregory:

Groundwater & Environmental Services, Inc. (GES) has prepared this Sub Slab Depressurization System (SSDS) Post Conversion Sampling Results Letter under contract to the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER), and by request of the engineer, Earth Environment Engineering and Geology, P.C. (EEEG), for remedial activities at the subject site #818120 addressed at 2101 Monroe Avenue in Brighton, New York (the Site). A sub-slab depressurization system was installed, monitored and optimized from October 2023 to May 2024, the details of which will be completed in a subsequent report that will report the system commissioning. Following the installation of the system and the post conversion sampling and PCE testing documented in the December 6, 2024 SSDS Post Conversion Sampling Results Letter, GES conducted another round of indoor air sampling on January 14, 2025. The tasks completed during the aforementioned sampling events are detailed below.

Indoor Air Sampling

On January 14, 2025, GES conducted indoor air sampling as described herein. Upon arrival onsite, GES found that the chemical drums that were stored in the back utility room where sample IA-3 was collected were not removed as promised by the building owner. GES confirmed with EEEG and NYSDEC that the sampling event would still be completed despite the presence of the drums. GES completed the New York State Department of Health (NYSDOH) Indoor Air Quality Questionnaire and Building Inventory and set up the SUMMA canisters for collecting the air

samples. The questionnaire is attached as **Appendix A**. The onsite GES personnel then collected indoor air samples as follows:

- One indoor air sample near VP-4, relatively central in the building (IA-1).
- One indoor air sample in the front utility room behind the service desk area (IA-2).
- One indoor air sample in the back utility room (IA-3).
- One outdoor ambient air sample (Outdoor).
- One grab sample from the system exhaust (Exhaust Grab).

In addition to the above, a duplicate sample was collected at indoor air location IA-1. All samples were collected using a batch certified 6-Liter stainless steel Summa canister provided by ConTest Laboratories (ConTest), a Pace Analytical Laboratory, of East Longmeadow, Massachusetts. ConTest is a New York State Environmental Laboratory Approved Program (NYSELAP) certified laboratory. With the exception of the grab sample from the system, all samples were collected with an eight-hour regulator. A photographic log of the sample locations is attached as **Appendix B**. The sample locations with respect to the site layout are illustrated on **Figure 1**.

Upon collection of the sample canisters, the samples were submitted to ConTest under chain of custody (CoC) for laboratory analysis of the contents of the Summa cannisters utilizing Method TO-15. ConTest was also instructed to prepare a NYSDEC Analytical Services Protocol (ASP) Category B laboratory data package, which is included as **Appendix C**. Field data collected during the indoor air sample event conducted January 14, 2025 are tabulated in **Table 1**. The laboratory analytical results were tabulated in **Table 2**.

Data Usability Summary Report (DUSR)

A third-party data validator, Environmental Data Quality, Inc. (EDQI) of Exton, Pennsylvania, was contracted to prepare a DUSR for the laboratory results in accordance with NYSDEC Division of Environmental Remediation (DER)-10 Technical Guidance for Site Investigation and Remediation (May 2010). The DUSR reports and associated validated laboratory analytical reports are provided in **Appendix D**. The DUSR found the results and reporting to be qualitatively and quantitatively valid as reported by the laboratory except as noted below:

The laboratory control sample result did not meet the acceptable limit for Chloromethane in all samples. Results for this compound are considered biased low quantitative estimates and may be higher than reported. Positive results have been marked with the appropriate qualifier.

Conclusions:

- The drums that are in the utility room at the back of the building need to be addressed by the property owner.
- Based on a discussion with EEEG and DEC during the February 5, 2025 site status meeting following this sampling event, GES and EEEG conclude that another round of indoor air sampling is not recommended as part of commissioning; however, additional indoor air sampling may be conducted as part of future OM&M of the SSDS.

- GES will abandon wells VE-1 through VE-6. This work is scheduled for March 2025. The well abandonment activities will be detailed in the forthcoming report to document the system commissioning.

If you have any questions, please contact Nicole Lindner at (800) 287-7857 (ext. 4342).

Sincerely,

Groundwater & Environmental Services, Inc.

Nicole A. Lindner
Project Geologist

Owen Ogiony
Staff Geologist

Figures

STATE RTE. 31 – MONROE AVENUE
(66' WIDE)

GRANITE CURB

CONCRETE SIDEWALK

RGE 23

RGE 24

RIM 487.46
NE 483.96

10"ø

MW–HA–102

BROOKLAWN DRIVE
(60' WIDE)

SIGN

ASPHALT PARKING

MIJ ENTERPRISES, INC.
(REPUTED OWNER)
T.M. 137.14–1–36
L. 9910 P. 496
AREA: 12,269± SF
0.282± AC.

J & S PROPERTIES, LLC
(REPUTED OWNER)

12" MAPLE

14" MAPLE

14" MAPLE

43.8'

MW–1111

MW–111

MW–OW1

MW–EW1

RIM=488.91
SUMP=487.11

ASPHALT

SIAMESE FIRE
HOSE CONNECTION

OVERHANG

CONCRETE SLAB

DP–4

MW–5

DP–5

DP–1

DP–2

MW–3

DP–3

TMP–12

IA–2

OFFICE

SS–4

TMP–6

WATER
SERVICE

SANITARY
SEWER C/O

TMP–1

CLOTHES
STAGING

CONCRETE SIDEWALK

Clothes staging
conveyor belt
actual footprint

TMP–13

DP–9

Machinery

OVERHANG

MW–1

DP–8

CLOTHES
RACKS

CONCRETE SIDEWALK

DP–7

Outdoor

DP–6

MW–6
DP–10

2 BOLE
12" ELM

Exhaust Grab

SS–5

TMP–11

OVERHEAD
CLOTHES
RACK

SVE/GETS
SHIPPING
CONTAINER

Approximate
location of SSDS
system housing.

PCE AST

VE–2

VP–5

TMP–3

VE–3

TMP–4
OFFICE

RESTROOM

RESTROOM

TMP–7

TMP–8

IA–3

SS–2

SUPPORT

VE–4

VP–4

IA–1/
Dup

VP–7

SS–1

VP–8

VE–6

TMP–5

SS–3

TMP–2

VP–3

VE–5

CARRIAGE CLEANERS
#2101

VP–6

KITCHEN

OFFICE
TMP–10

STORAGE RM

12"ELM

TMP–9

GUY
WIRE

BUILDING
#2113

REAGENT INJECTION POINT AND
INFILTRATION PIPING

MW–HA–104

MW–4

VP–2

VE–1

VP–1

MW–2

DRY CLEANING UNIT

PRESSING STATION
(TYP OF 6)

ASPHALT DRIVE

CONC SIDWALK

MW–108–I

GRASS

RICHARD J. SLOTNICK AND EDNA SLOTNICK
(REPUTED OWNERS)

BUILDING
#30

NOTES:

1. INTERNAL BUILDING EQUIPMENT MAY HAVE BEEN REMOVED.
2. ALL EXISTING SVE EXTRACTION POINTS SHALL BE ABANDONED IN–PLACE.
3. SVE/GETS EQUIPMENT CONTAINER LOCATION NEXT TO THE SITE BUILDING IS APPROXIMATE AND THE ACTUAL LOCATION WILL BE SURVEYED AS PART OF THE FINAL RECORD DRAWING.

LEGEND:

DP–4	EXISTING DIRECT PUSH BORING
MW–5	EXISTING MONITORING WELL
VE–3	EXISTING VAPOR EXTRACTION BORING
VP–7	EXISTING VAPOR EXTRACTION POINT
SS–1	EXISTING EXTRACTION POINT
SS–4	NEWLY INSTALLED EXTRACTION POINT
TMP–6	EXISTING MONITORING POINT (≷ –0.004 IW VACUUM INFLUENCE)
TMP–12	NEWLY INSTALLED MONITORING POINT (–0.004 IW VACUUM INFLUENCE)

0 5 10 20
SCALE IN FEET

Prepared/Date: WJW 4/25/23
Checked/Date: CK 4/25/23

SOURCE:

BASE SURVEY ADAPTED FROM FILE CARRIAGE_3DM.DWG BY POPLI CONSULTING ENGINEERS & SURVEYORS DATED MARCH 30, 2009.

MACTEC Engineering and Consulting, Inc.
P.O. Box 7050, 511 Congress Street
Portland, Maine 04112–7050
(207) 775–5401

CARRIAGE CLEANERS
BRIGHTON, NEW YORK

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Figure 1
Indoor Air Sampling Locations

C:\Users\william.whitten\OneDrive – WSP\Documents\Projects\Carriage Cleaners\PRSV\Fig 2.1 SSDS.dwg Tue, 25 Apr 2023 – 8:12am william.whitten

Tables

Table 1
Air Quality Sampling Field Data
January 14, 2025
NYSDEC Carriage Cleaners
Brighton, New York
NYSDEC Site #828120

Sample ID	Sample Type	Location	Canister Number	Regulator Number	Date Start	Time Start	Pressure Start ("Hg)	Date End	Time End	Pressure End ("Hg)	Comments
IA-1	Indoor Air	Main room, central	2686	0436	1/14/2025	8:38	-30.14	1/14/2025	16:38	-4.40	NA
IA-2	Indoor Air	Triangle Room near front desk	3753	0842	1/14/2025	8:37	-30.57	1/14/2025	16:37	-5.35	NA
IA-3	Indoor Air	Back utility room	116	02047	1/14/2025	8:39	-30.07	1/14/2025	16:39	-4.70	NA
Outdoor	Outdoor Air	East	3188	02659	1/14/2025	8:47	-30.54	1/14/2025	16:47	-5.75	NA
Exhaust Grab	System Grab	System Exhaust	100	GR80069	1/14/2025	13:03	-29.58	1/14/2025	13:04	-1.95	NA
DUP (IA-1)	Indoor Air	Main room, central	2021	02071	1/14/2025	8:38	-29.54	1/14/2025	16:38	-5.32	NA

Notes:
NA = not applicable
"Hg = inches of mercury
*Back overhead door was open for a delivery at 0910-0914

Table 2
Air Analytical Summary - Method TO-15
January 14, 2025
NYSDEC Carriage Cleaners
Brighton New York
NYSDEC Site #828120

Sample ID		IA-1	IA-2	IA-3	Outdoor	Exhaust Grab	DUP (Indoor)
Sample Location		Main room, central	Main room, central	Main room, central	East	System Exhaust	Main room, central
Sample Type		Indoor Air	Indoor Air	Indoor Air	Outdoor Air	System Grab	Indoor Air
Sample Pickup Date		1/14/2025	1/14/2025	1/14/2025	1/14/2025	1/14/2025	1/14/2025
CAS #	COMPOUND (µg/m^3)						
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon-113)	0.567	0.621	0.537	0.590	0.583	0.583
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.187	0.098	0.226	0.103	0.098	0.290
106-93-4	1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	0.101	0.081	0.077 J	0.077 J	0.057 J	0.089
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon-114)	0.105 J	0.126 J	0.105 J	0.119 J	0.105 J	0.112 J
108-67-8	1,3,5-Trimethylbenzene	ND	ND	0.054 J	ND	ND	0.074 J
541-73-1	1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	ND	0.38	ND	ND	ND	ND
123-91-1	1,4-Dioxane	ND	ND	0.133 J	ND	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.224 J	0.173 J	0.243 J	ND	ND	0.257 J
78-93-3	2-Butanone (MEK)	0.392 J	0.404 J	0.389 J	ND	0.404 J	ND
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ND	ND	ND	ND	ND
71-43-2	Benzene	0.473	0.463	0.498	0.415	0.310 J	0.553
100-44-7	Benzyl chloride	ND	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND	ND
74-83-9	Bromomethane	0.039 J	0.043 J	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	0.541	0.535	0.541	0.572	0.503	0.535
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND	ND
67-66-3	Chloroform	0.410	0.308	0.342	0.410	0.381	0.366
74-87-3	Chloromethane	0.971	0.902	0.983	0.973	0.613	0.987
156-59-2	cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND
110-82-7	Cyclohexane	0.165 J	0.141 J	0.186 J	ND	ND	0.213 J
124-48-1	Dibromochloromethane	ND	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoromethane	2.72	2.79	2.70	2.90	2.78	2.68
64-17-5	Ethanol	42.6	51.3	43.9	ND	8.25 J	40.5
100-41-4	Ethylbenzene	0.109	0.091	0.135	0.117	0.070 J	0.161
142-82-5	Heptane	0.225 J	0.193 J	0.311 J	ND	ND	0.221 J
87-68-3	Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
110-54-3	n-Hexane	0.529 J	0.472 J	0.652 J	0.233 J	0.243 J	0.719
1634-04-4	Methyl tert-butyl ether	ND	ND	ND	ND	ND	ND
75-09-2	Methylene chloride	0.497 J	0.511 J	0.518 J	0.532 J	0.400 J	0.545 J
91-20-3	Naphthalene	ND	ND	ND	ND	ND	ND
136777-61-2	m-Xylene & p-Xylene	0.343	0.235	0.426	0.304	0.230	0.530
95-47-6	o-Xylene	0.152	0.10	0.187	0.152	0.096	0.261
100-42-5	Styrene	ND	ND	ND	ND	ND	0.064 J
75-65-0	tert-Butyl alcohol	ND	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	5.65	4.58	10.4	0.339	165	5.11
108-88-3	Toluene	0.528	0.422	0.614	0.328 J	0.230 J	0.754
156-60-5	trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.091
10061-02-6	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND	1.12	ND
75-69-4	Trichlorofluoromethane	1.26	1.31	1.25	1.38	1.30	1.28
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND	ND

ND = not detected at or above laboratory reporting limit.

µg/m^3 = micrograms per cubic meter.

J = Detected but below reporting limit (lowest calibration standard); therefore result is an estimated concentration.

Appendix A – NYS DOH Questionnaire

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

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

Preparer's Name Owen Ogiony Date/Time Prepared 1/14/24

Preparer's Affiliation GES Phone No. 716-796-3827

Purpose of Investigation _____

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

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

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

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

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

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

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

X

If multiple units, how many? _____

X

If the property is commercial, type?

Business Type(s) Dry Cleaner

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

Other characteristics:

Number of floors 1 Building age Unk

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

4. AIRFLOW

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

Airflow between floors

_____

_____

_____

Airflow near source

_____

_____

_____

Outdoor air infiltration

_____

_____

_____

Infiltration into air ducts

_____

_____

_____

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

a. Above grade construction:	wood frame	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other None
c. Basement floor:	concrete	dirt	stone	other X
d. Basement floor:	uncovered	covered	covered with X	
e. Concrete floor:	unsealed	sealed	sealed with unk.	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with _____	
h. The basement is:	wet	damp	dry	moldy X
i. The basement is:	finished	unfinished	partially finished X	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: +1 (feet)

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

Floor cracks

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

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

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

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: _____

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

Are there air distribution ducts present? Y / N

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

7. OCCUPANCY

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

Level	General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)
Basement	X
1st Floor	full time business
2nd Floor	X
3rd Floor	X
4th Floor	X

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / N

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

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

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

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

f. Is there a workshop or hobby/craft area? Y / N Where & Type? _____

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

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

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

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

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

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

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

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

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

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

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

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

If yes, what types of solvents are used? _____

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

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

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

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

9. WATER AND SEWAGE

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

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

10. RELOCATION INFORMATION (for oil spill residential emergency) X

a. Provide reasons why relocation is recommended: _____

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

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

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

11. FLOOR PLANS

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

Basement:

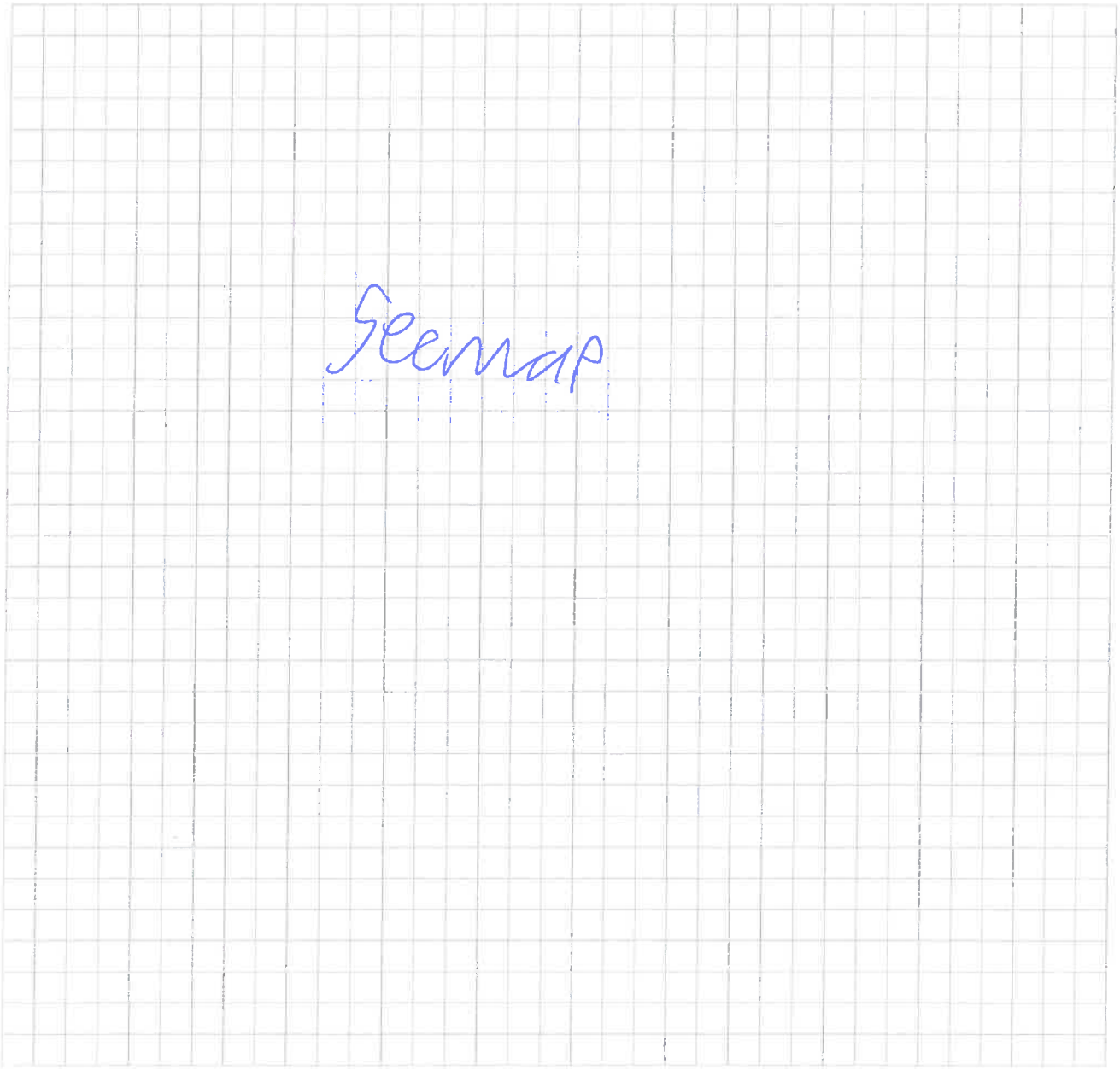
See map

First Floor:

12. OUTDOOR PLOT

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

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



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: ppbRAE 3000

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

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N

See Attached

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

Product Inventory Addendum

Location	Product Description	Size	Condition	Chemical Ingrediants	Field Instrument Reading (ppb)	Photo Y/N
Back Utility Room	Zep Glass and Surface Cleaner	19 oz can	U	Ethanol, Butane, propan-2-ol	40	Y
	Great Stuff Gaps & Cracks	12 oz can	U	Diphenylmethane Diisocyanate, 4,4' - Methylenediphenyl diisocyanate, Polymethylenepolyphenylisocyanate, propoxylated glycerin polymer, Polymethylenepolyphenyl polyisocyanate, polypropyleneglycol copolymer, Isobutane, Paraffin waxes and Hydrocarbon waxes, Tris(1-chloro-2-propyl) phosphate, methyl ether, propoane	0	Y
	HENRY 430 ClearPro Clear VCT Floor Adhesive	4 Gal	U	No hazardous ingrediants	25	Y
	Drum labeled "GAC"	55 Gal	U	Unkown	0	Y
	Stacked empty drums, residue	3 x 20 Gal	U	Unkown	2050	Y
	Unused Drums	2 x 20 Gal	UO	Unkown	100	Y
	Streets Textile Supplement	1 x 15 Gal	U	Unkown	100	Y
	Streets Textile Supplement	1 x 55 Gal	U	Unkown	100	Y
	Dry Cleaning Filters	1 x 55 Gal	U	Tetrachloroethylene	100 ppm	Y
Kitchen	PB Penetreating Catalyst	19 oz can	U	Petroleum distillates, hydrotreated light; Solvent naphtha, petroleum, heavy aromatic; Distillates, petroleum, hydrotreated heavy naphthenic; carbon dioxide; Poly(oxy-1,2-ethanediyl), .alpha.-(dinonylphenyl)-.omega.-hydroxy-, phosphate; methyl salicylate	10	Y
	Ettore Squeegee Off Concentrate	2 x 32 fl oz	UO	Oxirane, methyl-, polymer with oxirane, mono(2-propylheptyl) ether; Alcohol ethoxylate	0	Y
	Resolve Carpet Cleaner	22 fl oz	U	Sodium Lauryl Sulfate	10	Y
	Tap Magic Cutting Fluid	4 fl oz	U	Distillates (petroleum), hydrotreated light naphthenic; Distillates (petroleum), hydrotreated heavy paraffinic; Tetradecane, chloro derivs; Pentene, 2,4,4-trimethyl-, sulfurized	50	Y
	Rustoleum spray paint and primer	12 oz can	U	Acetone, Propane, n-butane,n-butyl acetate, barium sulfate, xylenes, dimethyl carbonate, naptha, ethylbenzene, n-heptane, octane	20	Y
	Dap Easy Silicone	8 fl oz	U	Dipropylene glycol dibenzoate, Lubricating petroleum oil, Quartz, Titanium dioxide	10	Y
	Ortho Groundclear Vegetation Killer	32 fl oz	U	Caustic potash, nonanoic acid	10	Y
	Pro Dope Pipe Joint compound	8 oz	U	calcium carbonate, parraffinic distillate, kaolin, fish oil, silica,solvent naptha, mica, titanium dioxide, methanol, cristolbalite	0	Y
	Lion Laundry detergent	1 Gal	U	Sodium carbonate	0	Y
	LA's Totally Awesome Cleaner Concentrate	1 Gal	U	Hydroxy sodium, tetra sodium EDTA, Disodium salt, ethoxylated alcohol, orange oil blend	0	Y
	Lysol All Purpose Cleaner	32 fl oz	U	quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides; Dodecyldimethylamine oxide	0	Y
	Excelon Floor Polish	1 Gal	U	Dipropylene Glycol, methyl ether	0	Y
	Ortho Home Defense Max	1 Gal	U	Bifenthrin	0	Y

Appendix B – Photographic Log

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	1
Date:	1/14/2025
Direction:	E

Comments:

View of sample location: IA-1 and DUP

Client: New York State DEC	**Project:** 0924006-05-220
Site Name: NYSDEC/BrightonNY/MonroeAve2101	**Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	2
Date:	1/14/2025
Direction:	SW

Comments:

View of sample location: IA-2

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	3
Date:	1/14/2025
Direction:	SE

Comments:

View of sample location: IA-3

Client: New York State DEC **Site Name:** NYSDEC/BrightonNY/MonroeAve2101	**Project:** 0924006-05-220 **Site Location:** 2101 Monroe Ave, Brighton, NY

Photo #:	4
Date:	1/14/2025
Direction:	SE

Comments:

View of sample location: Outdoor

Appendix C – Laboratory Analytical Data Package

ANALYTICAL REPORT

Lab Number:	L2502630
Client:	NYDEC_GES 6010 North Bailey Ave., Suite 1 Amherst, NY 14226
ATTN:	Charles T Gregory
Phone:	(800) 287-7857
Project Name:	CARRIAGE CLEANERS BRIGHTON
Project Number:	C152650/DEC828120
Report Date:	01/29/25

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NH ELAP (2249).

120 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.pacelabs.com

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120

Lab Number: L2502630
Report Date: 01/29/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2502630-01	IA-1	AIR	2101 MONROE AVENUE, BRIGHTON, NY	01/14/25 16:38	01/15/25
L2502630-02	IA-2	AIR	2101 MONROE AVENUE, BRIGHTON, NY	01/14/25 16:37	01/15/25
L2502630-03	IA-3	AIR	2101 MONROE AVENUE, BRIGHTON, NY	01/14/25 16:39	01/15/25
L2502630-04	OUTDOOR	AIR	2101 MONROE AVENUE, BRIGHTON, NY	01/14/25 16:47	01/15/25
L2502630-05	DUP	AIR	2101 MONROE AVENUE, BRIGHTON, NY	01/14/25 16:38	01/15/25
L2502630-06	EXHAUST GRAB	SOIL_VAPOR	2101 MONROE AVENUE, BRIGHTON, NY	01/14/25 13:04	01/15/25
L2502630-07	UNUSED CAN #2577	AIR	2101 MONROE AVENUE, BRIGHTON, NY		01/15/25

Project Name:	CARRIAGE CLEANERS BRIGHTON	**Lab Number:**	L2502630
Project Number:	C152650/DEC828120	**Report Date:**	01/29/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	CARRIAGE CLEANERS BRIGHTON	**Lab Number:**	L2502630
Project Number:	C152650/DEC828120	**Report Date:**	01/29/25

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on December 31, 2024. The canister certification data is provided as an addendum.

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

The WG2024447-3 LCS recovery associated with L2502630-01 through -06 is below the lower 70% acceptance limit for chloromethane (65%). All samples associated with this LCS this compound is being reportable low bias.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 01/29/25

AIR

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120
Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-01
Client ID: IA-1
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 16:38
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/28/25 18:10
Analyst: TPH

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab								
Dichlorodifluoromethane	0.550	0.200	0.050	2.72	0.989	0.247		1
Chloromethane	0.470	0.200	0.076	0.971	0.413	0.156		1
Freon-114	0.015	0.050	0.006	0.105	0.349	0.045	J	1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
Bromomethane	0.010	0.020	0.009	0.039	0.078	0.037	J	1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Ethanol	22.6	5.00	1.35	42.6	9.42	2.54		1
Trichlorofluoromethane	0.224	0.050	0.009	1.26	0.281	0.052		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406		1
Methylene chloride	0.143	0.500	0.110	0.497	1.74	0.382	J	1
Freon-113	0.074	0.050	0.008	0.567	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	0.133	0.500	0.132	0.392	1.47	0.389	J	1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	0.084	0.020	0.007	0.410	0.098	0.035		1
1,2-Dichloroethane	0.025	0.020	0.008	0.101	0.081	0.034		1
n-Hexane	0.150	0.200	0.047	0.529	0.705	0.166	J	1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	0.148	0.100	0.030	0.473	0.319	0.095		1
Carbon tetrachloride	0.086	0.020	0.011	0.541	0.126	0.069		1

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120
Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-01
Client ID: IA-1
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 16:38
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab								
Cyclohexane	0.048	0.200	0.031	0.165	0.688	0.108	J	1
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
2,2,4-Trimethylpentane	0.048	0.200	0.037	0.224	0.934	0.173	J	1
Heptane	0.055	0.200	0.031	0.225	0.820	0.128	J	1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	0.140	0.100	0.017	0.528	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	0.833	0.020	0.007	5.65	0.136	0.050		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	0.025	0.020	0.009	0.109	0.087	0.037		1
p/m-Xylene	0.079	0.040	0.018	0.343	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	0.035	0.020	0.009	0.152	0.087	0.038		1
1,3,5-Trimethylbenzene	ND	0.020	0.010	ND	0.098	0.047		1
1,2,4-Trimethylbenzene	0.038	0.020	0.008	0.187	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120

Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-01
Client ID: IA-1
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 16:38
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab								
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	96		60-140

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120
Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-02
Client ID: IA-2
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 16:37
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/28/25 18:47
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Dichlorodifluoromethane	0.564	0.200	0.050	2.79	0.989	0.247		1
Chloromethane	0.437	0.200	0.076	0.902	0.413	0.156		1
Freon-114	0.018	0.050	0.006	0.126	0.349	0.045	J	1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
Bromomethane	0.011	0.020	0.009	0.043	0.078	0.037	J	1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Ethanol	27.2	5.00	1.35	51.3	9.42	2.54		1
Trichlorofluoromethane	0.233	0.050	0.009	1.31	0.281	0.052		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406		1
Methylene chloride	0.147	0.500	0.110	0.511	1.74	0.382	J	1
Freon-113	0.081	0.050	0.008	0.621	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	0.137	0.500	0.132	0.404	1.47	0.389	J	1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	0.063	0.020	0.007	0.308	0.098	0.035		1
1,2-Dichloroethane	0.020	0.020	0.008	0.081	0.081	0.034		1
n-Hexane	0.134	0.200	0.047	0.472	0.705	0.166	J	1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	0.145	0.100	0.030	0.463	0.319	0.095		1
Carbon tetrachloride	0.085	0.020	0.011	0.535	0.126	0.069		1

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120
Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-02
Client ID: IA-2
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 16:37
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab								
Cyclohexane	0.041	0.200	0.031	0.141	0.688	0.108	J	1
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
2,2,4-Trimethylpentane	0.037	0.200	0.037	0.173	0.934	0.173	J	1
Heptane	0.047	0.200	0.031	0.193	0.820	0.128	J	1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	0.112	0.100	0.017	0.422	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	0.676	0.020	0.007	4.58	0.136	0.050		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	0.021	0.020	0.009	0.091	0.087	0.037		1
p/m-Xylene	0.054	0.040	0.018	0.235	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	0.023	0.020	0.009	0.10	0.087	0.038		1
1,3,5-Trimethylbenzene	ND	0.020	0.010	ND	0.098	0.047		1
1,2,4-Trimethylbenzene	0.020	0.020	0.008	0.098	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120

Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-02
Client ID: IA-2
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 16:37
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab								
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	94		60-140

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120
Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-03
Client ID: IA-3
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 16:39
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/28/25 19:25
Analyst: TPH

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab								
Dichlorodifluoromethane	0.546	0.200	0.050	2.70	0.989	0.247		1
Chloromethane	0.476	0.200	0.076	0.983	0.413	0.156		1
Freon-114	0.015	0.050	0.006	0.105	0.349	0.045	J	1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Ethanol	23.3	5.00	1.35	43.9	9.42	2.54		1
Trichlorofluoromethane	0.222	0.050	0.009	1.25	0.281	0.052		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406		1
Methylene chloride	0.149	0.500	0.110	0.518	1.74	0.382	J	1
Freon-113	0.070	0.050	0.008	0.537	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	0.132	0.500	0.132	0.389	1.47	0.389	J	1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	0.070	0.020	0.007	0.342	0.098	0.035		1
1,2-Dichloroethane	0.019	0.020	0.008	0.077	0.081	0.034	J	1
n-Hexane	0.185	0.200	0.047	0.652	0.705	0.166	J	1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	0.156	0.100	0.030	0.498	0.319	0.095		1
Carbon tetrachloride	0.086	0.020	0.011	0.541	0.126	0.069		1

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120

Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-03
Client ID: IA-3
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 16:39
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab								
Cyclohexane	0.054	0.200	0.031	0.186	0.688	0.108	J	1
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	0.037	0.100	0.034	0.133	0.360	0.124	J	1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
2,2,4-Trimethylpentane	0.052	0.200	0.037	0.243	0.934	0.173	J	1
Heptane	0.076	0.200	0.031	0.311	0.820	0.128	J	1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	0.163	0.100	0.017	0.614	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	1.54	0.020	0.007	10.4	0.136	0.050		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	0.031	0.020	0.009	0.135	0.087	0.037		1
p/m-Xylene	0.098	0.040	0.018	0.426	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	0.043	0.020	0.009	0.187	0.087	0.038		1
1,3,5-Trimethylbenzene	0.011	0.020	0.010	0.054	0.098	0.047	J	1
1,2,4-Trimethylbenzene	0.046	0.020	0.008	0.226	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120

Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-03
Client ID: IA-3
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 16:39
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab								
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	97		60-140

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120
Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-04
Client ID: OUTDOOR
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 16:47
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/28/25 16:53
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Dichlorodifluoromethane	0.587	0.200	0.050	2.90	0.989	0.247		1
Chloromethane	0.471	0.200	0.076	0.973	0.413	0.156		1
Freon-114	0.017	0.050	0.006	0.119	0.349	0.045	J	1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Ethanol	ND	5.00	1.35	ND	9.42	2.54		1
Trichlorofluoromethane	0.246	0.050	0.009	1.38	0.281	0.052		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406		1
Methylene chloride	0.153	0.500	0.110	0.532	1.74	0.382	J	1
Freon-113	0.077	0.050	0.008	0.590	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	ND	0.500	0.132	ND	1.47	0.389		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	0.084	0.020	0.007	0.410	0.098	0.035		1
1,2-Dichloroethane	0.019	0.020	0.008	0.077	0.081	0.034	J	1
n-Hexane	0.066	0.200	0.047	0.233	0.705	0.166	J	1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	0.130	0.100	0.030	0.415	0.319	0.095		1
Carbon tetrachloride	0.091	0.020	0.011	0.572	0.126	0.069		1

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120
Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-04
Client ID: OUTDOOR
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 16:47
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab								
Cyclohexane	ND	0.200	0.031	ND	0.688	0.108		1
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
2,2,4-Trimethylpentane	ND	0.200	0.037	ND	0.934	0.173		1
Heptane	ND	0.200	0.031	ND	0.820	0.128		1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	0.087	0.100	0.017	0.328	0.377	0.063	J	1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	0.050	0.020	0.007	0.339	0.136	0.050		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	0.027	0.020	0.009	0.117	0.087	0.037		1
p/m-Xylene	0.070	0.040	0.018	0.304	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	0.035	0.020	0.009	0.152	0.087	0.038		1
1,3,5-Trimethylbenzene	ND	0.020	0.010	ND	0.098	0.047		1
1,2,4-Trimethylbenzene	0.021	0.020	0.008	0.103	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120

Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-04
Client ID: OUTDOOR
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 16:47
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab								
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	89		60-140

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120
Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-05
Client ID: DUP
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 16:38
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/28/25 20:03
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Dichlorodifluoromethane	0.541	0.200	0.050	2.68	0.989	0.247		1
Chloromethane	0.478	0.200	0.076	0.987	0.413	0.156		1
Freon-114	0.016	0.050	0.006	0.112	0.349	0.045	J	1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Ethanol	21.5	5.00	1.35	40.5	9.42	2.54		1
Trichlorofluoromethane	0.228	0.050	0.009	1.28	0.281	0.052		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406		1
Methylene chloride	0.157	0.500	0.110	0.545	1.74	0.382	J	1
Freon-113	0.076	0.050	0.008	0.583	0.383	0.064		1
trans-1,2-Dichloroethene	0.023	0.020	0.009	0.091	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	ND	0.500	0.132	ND	1.47	0.389		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	0.075	0.020	0.007	0.366	0.098	0.035		1
1,2-Dichloroethane	0.022	0.020	0.008	0.089	0.081	0.034		1
n-Hexane	0.204	0.200	0.047	0.719	0.705	0.166		1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	0.173	0.100	0.030	0.553	0.319	0.095		1
Carbon tetrachloride	0.085	0.020	0.011	0.535	0.126	0.069		1

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120
Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-05
Client ID: DUP
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 16:38
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab								
Cyclohexane	0.062	0.200	0.031	0.213	0.688	0.108	J	1
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
2,2,4-Trimethylpentane	0.055	0.200	0.037	0.257	0.934	0.173	J	1
Heptane	0.054	0.200	0.031	0.221	0.820	0.128	J	1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	0.200	0.100	0.017	0.754	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	0.754	0.020	0.007	5.11	0.136	0.050		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	0.037	0.020	0.009	0.161	0.087	0.037		1
p/m-Xylene	0.122	0.040	0.018	0.530	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	0.015	0.020	0.008	0.064	0.085	0.034	J	1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	0.060	0.020	0.009	0.261	0.087	0.038		1
1,3,5-Trimethylbenzene	0.015	0.020	0.010	0.074	0.098	0.047	J	1
1,2,4-Trimethylbenzene	0.059	0.020	0.008	0.290	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120

Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-05
Client ID: DUP
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 16:38
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab								
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	96		60-140

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120
Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-06
Client ID: EXHAUST GRAB
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 13:04
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/29/25 04:13
Analyst: TPH

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab								
Dichlorodifluoromethane	0.562	0.200	0.050	2.78	0.989	0.247		1
Chloromethane	0.297	0.200	0.076	0.613	0.413	0.156		1
Freon-114	0.015	0.050	0.006	0.105	0.349	0.045	J	1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Ethanol	4.38	5.00	1.35	8.25	9.42	2.54	J	1
Trichlorofluoromethane	0.232	0.050	0.009	1.30	0.281	0.052		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406		1
Methylene chloride	0.115	0.500	0.110	0.400	1.74	0.382	J	1
Freon-113	0.076	0.050	0.008	0.583	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	0.137	0.500	0.132	0.404	1.47	0.389	J	1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	0.078	0.020	0.007	0.381	0.098	0.035		1
1,2-Dichloroethane	0.014	0.020	0.008	0.057	0.081	0.034	J	1
n-Hexane	0.069	0.200	0.047	0.243	0.705	0.166	J	1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	0.097	0.100	0.030	0.310	0.319	0.095	J	1
Carbon tetrachloride	0.080	0.020	0.011	0.503	0.126	0.069		1

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120
Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-06
Client ID: EXHAUST GRAB
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 13:04
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab								
Cyclohexane	ND	0.200	0.031	ND	0.688	0.108		1
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	0.209	0.020	0.006	1.12	0.107	0.032		1
2,2,4-Trimethylpentane	ND	0.200	0.037	ND	0.934	0.173		1
Heptane	ND	0.200	0.031	ND	0.820	0.128		1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	0.061	0.100	0.017	0.230	0.377	0.063	J	1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	24.3	0.020	0.007	165	0.136	0.050		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	0.016	0.020	0.009	0.070	0.087	0.037	J	1
p/m-Xylene	0.053	0.040	0.018	0.230	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	0.022	0.020	0.009	0.096	0.087	0.038		1
1,3,5-Trimethylbenzene	ND	0.020	0.010	ND	0.098	0.047		1
1,2,4-Trimethylbenzene	0.020	0.020	0.008	0.098	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120

Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-06
Client ID: EXHAUST GRAB
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 13:04
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	99		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	100		60-140

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120
Lab Number: L2502630
Report Date: 01/29/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 01/28/25 15:30

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab for sample(s): 01-06 Batch: WG2024447-4								
Dichlorodifluoromethane	ND	0.200	0.050	ND	0.989	0.247		1
Chloromethane	ND	0.200	0.076	ND	0.413	0.156		1
Freon-114	ND	0.050	0.006	ND	0.349	0.045		1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Ethanol	ND	5.00	1.35	ND	9.42	2.54		1
Trichlorofluoromethane	ND	0.050	0.009	ND	0.281	0.052		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406		1
Methylene chloride	ND	0.500	0.110	ND	1.74	0.382		1
Freon-113	ND	0.050	0.008	ND	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	ND	0.500	0.132	ND	1.47	0.389		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	ND	0.020	0.007	ND	0.098	0.035		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.034		1
n-Hexane	ND	0.200	0.047	ND	0.705	0.166		1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	ND	0.100	0.030	ND	0.319	0.095		1
Carbon tetrachloride	ND	0.020	0.011	ND	0.126	0.069		1
Cyclohexane	ND	0.200	0.031	ND	0.688	0.108		1
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1

Project Name: CARRIAGE CLEANERS BRIGHTON **Lab Number:** L2502630

Project Number: C152650/DEC828120 **Report Date:** 01/29/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 01/28/25 15:30

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab for sample(s): 01-06 Batch: WG2024447-4								
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
2,2,4-Trimethylpentane	ND	0.200	0.037	ND	0.934	0.173		1
Heptane	ND	0.200	0.031	ND	0.820	0.128		1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	ND	0.100	0.017	ND	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	ND	0.020	0.009	ND	0.087	0.037		1
p/m-Xylene	ND	0.040	0.018	ND	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	ND	0.020	0.009	ND	0.087	0.038		1
1,3,5-Trimethylbenzene	ND	0.020	0.010	ND	0.098	0.047		1
1,2,4-Trimethylbenzene	ND	0.020	0.008	ND	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120
Lab Number: L2502630
Report Date: 01/29/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 01/28/25 15:30

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab for sample(s): 01-06 Batch: WG2024447-4								
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120

Lab Number: L2502630
Report Date: 01/29/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Air Lab Associated sample(s): 01-06 Batch: WG2024447-3								
Dichlorodifluoromethane	70		-		70-130	-		25
Chloromethane	**65**	Q	-		70-130	-		25
Freon-114	71		-		70-130	-		25
Vinyl chloride	79		-		70-130	-		25
Bromomethane	88		-		70-130	-		25
Chloroethane	86		-		70-130	-		25
Ethanol	78		-		40-160	-		25
Trichlorofluoromethane	96		-		70-130	-		25
1,1-Dichloroethene	102		-		70-130	-		25
Tert-Butyl Alcohol[1]	112		-		70-130	-		25
Methylene chloride	100		-		70-130	-		25
Freon-113	97		-		70-130	-		25
trans-1,2-Dichloroethene	103		-		70-130	-		25
1,1-Dichloroethane	97		-		70-130	-		25
Methyl tert butyl ether	92		-		70-130	-		25
2-Butanone	97		-		70-130	-		25
cis-1,2-Dichloroethene	101		-		70-130	-		25
Chloroform	103		-		70-130	-		25
1,2-Dichloroethane	102		-		70-130	-		25
n-Hexane	112		-		70-130	-		25
1,1,1-Trichloroethane	98		-		70-130	-		25
Benzene	95		-		70-130	-		25
Carbon tetrachloride	111		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120

Lab Number: L2502630
Report Date: 01/29/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Air Lab Associated sample(s): 01-06 Batch: WG2024447-3								
Cyclohexane	111		-		70-130	-		25
1,2-Dichloropropane	94		-		70-130	-		25
Bromodichloromethane	120		-		70-130	-		25
1,4-Dioxane	107		-		70-130	-		25
Trichloroethene	92		-		70-130	-		25
2,2,4-Trimethylpentane	113		-		70-130	-		25
Heptane	94		-		70-130	-		25
cis-1,3-Dichloropropene	107		-		70-130	-		25
4-Methyl-2-pentanone	95		-		70-130	-		25
trans-1,3-Dichloropropene	115		-		70-130	-		25
1,1,2-Trichloroethane	96		-		70-130	-		25
Toluene	85		-		70-130	-		25
Dibromochloromethane	113		-		70-130	-		25
1,2-Dibromoethane	94		-		70-130	-		25
Tetrachloroethene	84		-		70-130	-		25
Chlorobenzene	86		-		70-130	-		25
Ethylbenzene	84		-		70-130	-		25
p/m-Xylene	89		-		70-130	-		25
Bromoform	116		-		70-130	-		25
Styrene	90		-		70-130	-		25
1,1,2,2-Tetrachloroethane	99		-		70-130	-		25
o-Xylene	90		-		70-130	-		25
1,3,5-Trimethylbenzene	96		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120

Lab Number: L2502630
Report Date: 01/29/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Air Lab Associated sample(s): 01-06 Batch: WG2024447-3								
1,2,4-Trimethylbenzene	97		-		70-130	-		25
Benzyl chloride	106		-		70-130	-		25
1,3-Dichlorobenzene	101		-		70-130	-		25
1,4-Dichlorobenzene	99		-		70-130	-		25
1,2-Dichlorobenzene	94		-		70-130	-		25
1,2,4-Trichlorobenzene	92		-		70-130	-		25
Naphthalene	125		-		70-130	-		25
Hexachlorobutadiene	96		-		70-130	-		25

Project Name: CARRIAGE CLEANERS BRIGHTON

Lab Number: L2502630

Project Number: C152650/DEC828120

Report Date: 01/29/25

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt	Flow Controler Leak Chk	Flow Out mL/min	Flow In	% RPD
L2502630-01	IA-1	0436	Flow 5	12/31/24	499832		-	-	-	Pass	4.5	4.7	4
L2502630-01	IA-1	2686	2.7L Can	12/31/24	499832	L2475866-02	Pass	-29.4	-5.5	-	-	-	-
L2502630-02	IA-2	02071	Flow 5	12/31/24	499832		-	-	-	Pass	4.5	4.8	6
L2502630-02	IA-2	3753	2.7L Can	12/31/24	499832	L2475866-02	Pass	-29.4	-4.5	-	-	-	-
L2502630-03	IA-3	0842	Flow 5	12/31/24	499832		-	-	-	Pass	4.5	5.2	14
L2502630-03	IA-3	116	2.7L Can	12/31/24	499832	L2475866-02	Pass	-29.4	-3.8	-	-	-	-
L2502630-04	OUTDOOR	02047	Flow 5	12/31/24	499832		-	-	-	Pass	4.5	4.9	9
L2502630-04	OUTDOOR	3188	2.7L Can	12/31/24	499832	L2475866-02	Pass	-29.3	-3.7	-	-	-	-
L2502630-05	DUP	02659	Flow 4	12/31/24	499832		-	-	-	Pass	4.5	4.8	6
L2502630-05	DUP	2021	2.7L Can	12/31/24	499832	L2475866-02	Pass	-29.4	-5.5	-	-	-	-
L2502630-06	EXHAUST GRAB	106	2.7L Can	12/31/24	499832	L2475866-02	Pass	-29.4	0.0	-	-	-	-
L2502630-07	UNUSED CAN #2577	01295	Flow 5	12/31/24	499832		-	-	-	Pass	4.5	5.0	11
L2502630-07	UNUSED CAN #2577	2577	2.7L Can	12/31/24	499832	L2475866-02	Pass	-29.4	-29.6	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2475866
Report Date: 01/29/25

Air Canister Certification Results

Lab ID: L2475866-02
Client ID: CAN 383 SHELF 9
Sample Location:

Date Collected: 12/23/24 16:00
Date Received: 12/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/24/24 17:07
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	0.046	ND	0.707	0.164		1
Propylene	ND	0.500	0.135	ND	0.861	0.232		1
Propane	ND	0.500	0.152	ND	0.902	0.274		1
Dichlorodifluoromethane	ND	0.200	0.076	ND	0.989	0.374		1
Chloromethane	ND	0.200	0.058	ND	0.413	0.119		1
Freon-114	ND	0.200	0.050	ND	1.40	0.352		1
Methanol	ND	5.00	3.03	ND	6.55	3.97		1
Vinyl chloride	ND	0.200	0.058	ND	0.511	0.149		1
1,3-Butadiene	ND	0.200	0.062	ND	0.442	0.137		1
Butane	ND	0.200	0.080	ND	0.475	0.190		1
Bromomethane	ND	0.200	0.055	ND	0.777	0.212		1
Chloroethane	ND	0.200	0.065	ND	0.528	0.171		1
Ethanol	ND	5.00	1.74	ND	9.42	3.28		1
Dichlorofluoromethane	ND	0.200	0.112	ND	0.842	0.471		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.316		1
Acrolein	ND	0.500	0.149	ND	1.15	0.342		1
Acetone	ND	1.00	0.515	ND	2.38	1.22		1
Acetonitrile	ND	0.200	0.101	ND	0.336	0.170		1
Trichlorofluoromethane	ND	0.200	0.079	ND	1.12	0.442		1
Isopropanol	ND	1.00	0.272	ND	2.46	0.669		1
Acrylonitrile	ND	0.500	0.089	ND	1.09	0.194		1
Pentane	ND	0.200	0.113	ND	0.590	0.333		1
Ethyl ether	ND	0.200	0.085	ND	0.606	0.259		1
1,1-Dichloroethene	ND	0.200	0.057	ND	0.793	0.225		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2475866
Report Date: 01/29/25

Air Canister Certification Results

Lab ID: L2475866-02
Client ID: CAN 383 SHELF 9
Sample Location:

Date Collected: 12/23/24 16:00
Date Received: 12/24/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	0.132	ND	1.52	0.400		1
Methylene chloride	ND	0.500	0.125	ND	1.74	0.434		1
3-Chloropropene	ND	0.200	0.086	ND	0.626	0.269		1
Carbon disulfide	ND	0.200	0.047	ND	0.623	0.145		1
Freon-113	ND	0.200	0.051	ND	1.53	0.388		1
trans-1,2-Dichloroethene	ND	0.200	0.076	ND	0.793	0.299		1
1,1-Dichloroethane	ND	0.200	0.057	ND	0.809	0.230		1
Methyl tert butyl ether	ND	0.200	0.045	ND	0.721	0.162		1
Vinyl acetate	ND	1.00	0.323	ND	3.52	1.14		1
2-Butanone	ND	0.500	0.099	ND	1.47	0.292		1
Xylenes, total	ND	0.600	0.062	ND	0.869	0.270		1
cis-1,2-Dichloroethene	ND	0.200	0.060	ND	0.793	0.236		1
Ethyl Acetate	ND	0.500	0.297	ND	1.80	1.07		1
Chloroform	ND	0.200	0.055	ND	0.977	0.270		1
Tetrahydrofuran	ND	0.500	0.117	ND	1.47	0.345		1
2,2-Dichloropropane	ND	0.200	0.043	ND	0.924	0.198		1
1,2-Dichloroethane	ND	0.200	0.079	ND	0.809	0.319		1
n-Hexane	ND	0.200	0.074	ND	0.705	0.262		1
Diisopropyl ether	ND	0.200	0.063	ND	0.836	0.264		1
tert-Butyl Ethyl Ether	ND	0.200	0.073	ND	0.836	0.306		1
1,2-Dichloroethene (total)	ND	1.00	0.060	ND	1.00	0.236		1
1,1,1-Trichloroethane	ND	0.200	0.061	ND	1.09	0.335		1
1,1-Dichloropropene	ND	0.200	0.059	ND	0.908	0.269		1
Benzene	ND	0.200	0.064	ND	0.639	0.205		1
Carbon tetrachloride	ND	0.200	0.069	ND	1.26	0.432		1
Cyclohexane	ND	0.200	0.073	ND	0.688	0.251		1
tert-Amyl Methyl Ether	ND	0.200	0.067	ND	0.836	0.281		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2475866
Report Date: 01/29/25

Air Canister Certification Results

Lab ID: L2475866-02
Client ID: CAN 383 SHELF 9
Sample Location:

Date Collected: 12/23/24 16:00
Date Received: 12/24/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	0.060	ND	1.42	0.425		1
1,2-Dichloropropane	ND	0.200	0.063	ND	0.924	0.292		1
Bromodichloromethane	ND	0.200	0.069	ND	1.34	0.462		1
1,4-Dioxane	ND	0.200	0.054	ND	0.721	0.194		1
Trichloroethene	ND	0.200	0.055	ND	1.07	0.295		1
2,2,4-Trimethylpentane	ND	0.200	0.069	ND	0.934	0.323		1
Methyl Methacrylate	ND	0.500	0.226	ND	2.05	0.925		1
Heptane	ND	0.200	0.083	ND	0.820	0.339		1
cis-1,3-Dichloropropene	ND	0.200	0.067	ND	0.908	0.306		1
4-Methyl-2-pentanone	ND	0.500	0.190	ND	2.05	0.779		1
trans-1,3-Dichloropropene	ND	0.200	0.078	ND	0.908	0.355		1
1,1,2-Trichloroethane	ND	0.200	0.058	ND	1.09	0.318		1
Toluene	ND	0.200	0.087	ND	0.754	0.327		1
1,3-Dichloropropane	ND	0.200	0.054	ND	0.924	0.248		1
2-Hexanone	ND	0.200	0.091	ND	0.820	0.374		1
Dibromochloromethane	ND	0.200	0.057	ND	1.70	0.482		1
1,2-Dibromoethane	ND	0.200	0.054	ND	1.54	0.418		1
Butyl acetate	ND	0.500	0.208	ND	2.38	0.989		1
Octane	ND	0.200	0.068	ND	0.934	0.316		1
Tetrachloroethene	ND	0.200	0.063	ND	1.36	0.425		1
1,1,1,2-Tetrachloroethane	ND	0.200	0.051	ND	1.37	0.349		1
Chlorobenzene	ND	0.200	0.052	ND	0.921	0.238		1
Ethylbenzene	ND	0.200	0.058	ND	0.869	0.250		1
p/m-Xylene	ND	0.400	0.125	ND	1.74	0.543		1
Bromoform	ND	0.200	0.060	ND	2.07	0.616		1
Styrene	ND	0.200	0.060	ND	0.852	0.254		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.052	ND	1.37	0.357		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2475866
Report Date: 01/29/25

Air Canister Certification Results

Lab ID: L2475866-02
Client ID: CAN 383 SHELF 9
Sample Location:

Date Collected: 12/23/24 16:00
Date Received: 12/24/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	0.062	ND	0.869	0.270		1
1,2,3-Trichloropropane	ND	0.200	0.058	ND	1.21	0.347		1
Nonane	ND	0.200	0.074	ND	1.05	0.387		1
Isopropylbenzene	ND	0.200	0.062	ND	0.983	0.305		1
Bromobenzene	ND	0.200	0.058	ND	0.793	0.230		1
2-Chlorotoluene	ND	0.200	0.076	ND	1.04	0.394		1
n-Propylbenzene	ND	0.200	0.063	ND	0.983	0.311		1
4-Chlorotoluene	ND	0.200	0.077	ND	1.04	0.396		1
4-Ethyltoluene	ND	0.200	0.055	ND	0.983	0.272		1
1,3,5-Trimethylbenzene	ND	0.200	0.060	ND	0.983	0.295		1
tert-Butylbenzene	ND	0.200	0.055	ND	1.10	0.302		1
1,2,4-Trimethylbenzene	ND	0.200	0.058	ND	0.983	0.284		1
Decane	ND	0.200	0.070	ND	1.16	0.406		1
Benzyl chloride	ND	0.200	0.094	ND	1.04	0.486		1
1,3-Dichlorobenzene	ND	0.200	0.078	ND	1.20	0.467		1
1,4-Dichlorobenzene	ND	0.200	0.083	ND	1.20	0.497		1
sec-Butylbenzene	ND	0.200	0.055	ND	1.10	0.300		1
p-Isopropyltoluene	ND	0.200	0.057	ND	1.10	0.311		1
1,2-Dichlorobenzene	ND	0.200	0.062	ND	1.20	0.372		1
n-Butylbenzene	ND	0.200	0.054	ND	1.10	0.294		1
1,2-Dibromo-3-chloropropane	ND	0.200	0.062	ND	1.93	0.603		1
Undecane	ND	0.200	0.071	ND	1.28	0.453		1
Dodecane	ND	0.200	0.089	ND	1.39	0.621		1
1,2,4-Trichlorobenzene	ND	0.200	0.100	ND	1.48	0.742		1
Naphthalene	ND	0.200	0.078	ND	1.05	0.409		1
1,2,3-Trichlorobenzene	ND	0.200	0.074	ND	1.48	0.548		1
Hexachlorobutadiene	ND	0.200	0.061	ND	2.13	0.647		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2475866
Report Date: 01/29/25

Air Canister Certification Results

Lab ID: L2475866-02
Client ID: CAN 383 SHELF 9
Sample Location:

Date Collected: 12/23/24 16:00
Date Received: 12/24/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	96		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2475866
Report Date: 01/29/25

Air Canister Certification Results

Lab ID: L2475866-02
Client ID: CAN 383 SHELF 9
Sample Location:

Date Collected: 12/23/24 16:00
Date Received: 12/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/24/24 17:07
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	0.050	ND	0.989	0.247		1
Chloromethane	ND	0.200	0.076	ND	0.413	0.156		1
Freon-114	ND	0.050	0.006	ND	0.349	0.045		1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
1,3-Butadiene	ND	0.020	0.011	ND	0.044	0.024		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Acrolein	ND	0.050	0.039	ND	0.115	0.089		1
Acetone	ND	1.00	0.539	ND	2.38	1.28		1
Trichlorofluoromethane	ND	0.050	0.009	ND	0.281	0.052		1
Acrylonitrile	ND	0.500	0.162	ND	1.09	0.352		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Methylene chloride	ND	0.500	0.110	ND	1.74	0.382		1
Freon-113	ND	0.050	0.008	ND	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	ND	0.500	0.132	ND	1.47	0.389		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	ND	0.020	0.007	ND	0.098	0.035		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.034		1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	ND	0.100	0.030	ND	0.319	0.095		1
Carbon tetrachloride	ND	0.020	0.011	ND	0.126	0.069		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2475866
Report Date: 01/29/25

Air Canister Certification Results

Lab ID: L2475866-02
Client ID: CAN 383 SHELF 9
Sample Location:

Date Collected: 12/23/24 16:00
Date Received: 12/24/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	ND	0.100	0.017	ND	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.010	ND	0.137	0.069		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	ND	0.020	0.009	ND	0.087	0.037		1
p/m-Xylene	ND	0.040	0.018	ND	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	ND	0.020	0.009	ND	0.087	0.038		1
Isopropylbenzene	ND	0.200	0.030	ND	0.983	0.147		1
4-Ethyltoluene	ND	0.020	0.010	ND	0.098	0.049		1
1,3,5-Trimethybenzene	ND	0.020	0.010	ND	0.098	0.047		1
1,2,4-Trimethylbenzene	ND	0.020	0.008	ND	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2475866
Report Date: 01/29/25

Air Canister Certification Results

Lab ID: L2475866-02
Client ID: CAN 383 SHELF 9
Sample Location:

Date Collected: 12/23/24 16:00
Date Received: 12/24/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	0.027	ND	1.10	0.146		1
p-Isopropyltoluene	ND	0.200	0.037	ND	1.10	0.201		1
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
n-Butylbenzene	ND	0.200	0.032	ND	1.10	0.175		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
1,2,3-Trichlorobenzene	ND	0.050	0.022	ND	0.371	0.166		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	97		60-140

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120

Lab Number: L2502630
Report Date: 01/29/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2502630-01A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		NYDEC-TO15-SIM(30)
L2502630-02A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		NYDEC-TO15-SIM(30)
L2502630-03A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		NYDEC-TO15-SIM(30)
L2502630-04A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		NYDEC-TO15-SIM(30)
L2502630-05A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		NYDEC-TO15-SIM(30)
L2502630-06A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		NYDEC-TO15-SIM(30)
L2502630-07A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		CLEAN-FEE()

*Values in parentheses indicate holding time in days

Project Name:	CARRIAGE CLEANERS BRIGHTON	**Lab Number:**	L2502630
Project Number:	C152650/DEC828120	**Report Date:**	01/29/25

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CARRIAGE CLEANERS BRIGHTON	**Lab Number:**	L2502630
Project Number:	C152650/DEC828120	**Report Date:**	01/29/25

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	CARRIAGE CLEANERS BRIGHTON	**Lab Number:**	L2502630
Project Number:	C152650/DEC828120	**Report Date:**	01/29/25

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: CARRIAGE CLEANERS BRIGHTON **Lab Number:** L2502630

Project Number: C152650/DEC828120 **Report Date:** 01/29/25

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
MADEP-APH.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

Pace Analytical®
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39 Spruce St
East Longmeadow, MA 01028

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CHAIN OF CUSTODY RECORD (New York) 1/16/25 L2502630

Page 1 of 1

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: NYS DEC | Consultant: Charles Gregory
Consultant Address: 625 Broadway, Albany, NY 12233
Consultant Phone:
Callout Project Name: Site #828120, Carriage Cleaners, Brighton
Project Location: 2101 Monroe Avenue, Brighton, NY
Callout Number: 152650
Site/Spill Number: Site # 828120
Project Manager: Kyle Murray
Pace Analytical Quote Name/Number:
Invoice Recipient:
Sampled By:

Requested Turnaround Time
DEC Standard 30-calendar day ☐
Due Date:

Rush (Prior Approval Required)
1-Day ☐ 2-Day ☐ 3-Day ☐
4-Day ☐ 5-Day ☐ 10-Day ☑

Data Delivery
Format: PDF ☒ EXCEL ☐
Other: Cat. B Report
CLP Like (Level 4) Data Pkg Required: ☐
Email To:
Fax To #:

ANALYSIS REQUESTED (Circle Requested Analyses/Reporting List)

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	8260: DER TCL / Oxygenates / CP-51	8270: DER TCL / CP-51	1,4-Dioxane SIM | 8082 PCBs	8081 Pesticide | 8151 Herbicide	TAL Total Metals | TCLP RCRA 8 Metals	PFAS 1633 | PFAS 537 ID	TO-15 DER TCL	Start Pressure		End Pressure	
														1				# of Containers
														2				[2] Preservation Code
														3				[3] Container Code
02630-01	IA-1	1/14/25 0834	1/14 1638		X	A	U							X	-30.1		-4.40	
02	IA-2	0832	1637		X	A	U							X	-30.6		-5.25	
03	IA-3	0839	1639		X	A	U							X	-30.1		-4.70	
04	Outdoor	0847	1647		X	A	U							X	-30.5		-5.75	
05	DUP	0838	1638		X	A	U							X	-29.5		-5.32	
06	Exhaust Grab	1303	1304		X	A	U							X	-29.6		-1.15	

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:

Start: Interior VTK Pressure (in. of Hg) Ambient 30.04
Stop: Interior VTK Ambient 30.02

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
	1/15/25 0830
Received by: (signature) GES Pace	1/15/25 0830
Relinquished by: (signature) / Pace	1-15-25/1241
Received by: (signature) Buffalo Service Center	1-15-25/1241
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time: 1/16/25 0725

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Serial_No:01292517:46

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CHAIN OF CUSTODY RECORD (New York)

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: NYS DEC | Consultant: Charles Gregory

Consultant Address: 625 Broadway, Albany, NY 12233

Consultant Phone:

Callout Project Name: Site #828120, Carriage Cleaners, Brighton

Project Location: 2101 Monroe Avenue, Brighton, NY

Callout Number: 152650

Site/Spill Number: Site # 828120

Project Manager: Kyle Murray

Pace Analytical Quote Name/Number:

Invoice Recipient:

Sampled By:

Requested Turnaround Time
- DEC Standard 30-calendar day ☐
- Due Date:

Rush (Prior Approval Required)
- 1-Day ☐ 2-Day ☐ 3-Day ☐
- 4-Day ☐ 5-Day ☐ 10-Day ☑

Data Delivery
- Format: PDF ☒ EXCEL ☐
- Other: Cat. B Report
- CLP Like (Level 4) Data Pkg Required: ☐
- Email To:
- Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	TO-15 DER TCL	Start Pressure	End Pressure
	IA-1	1/14/25 0834	1/14 1638		X	A	U	X	-30.1	-4.40
	IA-2	0832	1637		X	A	U	X	-30.6	-5.25
	IA-3	0839	1639		X	A	U	X	-30.1	-4.70
	Outdoor	0847	1647		X	A	U	X	-30.5	-5.75
	DUP	0838	1638		X	A	U	X	-21.5	-5.32
	Exhaust Grab	1303	1304		X	A	U	X	-21.6	-1.95

ANALYSIS REQUESTED (Circle Requested Analyses/Reporting List)

8260: DER TCL / Oxygenates / CP-51 | 8270: DER TCL / CP-51 | 1,4-Dioxane SIM | 8082 PCBs | 8081 Pesticide | 8151 Herbicide | TAL Total Metals | TCLP RCRA 8 Metals | PFAS 1633 | PFAS 537 ID | TO-15 DER TCL | Start Pressure | End Pressure

| | | |

Appendix D – Data Usability Summary Report

Project: Carriage Cleaners #828120,
Brighton, New York
Laboratory: Alpha Analytical, Inc.
Laboratory No: L2502630
Fraction: Organic
Matrix: Indoor/ Outdoor Air
Report Date: 2/18/2025

This data usability summary report is based upon a review of analytical data generated for indoor and outdoor air samples. One field duplicate sample was submitted with the samples for this Sample Delivery Group. The sample locations, laboratory identification numbers, sample collection dates, sample matrix, and analyses performed are presented in Table 1.

The sample was analyzed for volatile organic compounds. The sample analyses were performed in accordance with the procedures outlined in EPA Method TO-15 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", Second Edition, EPA/625/R-96/010b, January 1999.

All sample analyses have undergone an analytical quality assurance review to ensure adherence to the required protocols. Results have been validated or qualified according to general guidance provided in the USEPA Region II "Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15", SOP No. HW-31, revision 6, June 2014. The quality control requirements specified in the analysis method and associated acceptance criteria were also used to evaluate the data. The following parameters were evaluated.

X	•	Data Completeness
X	•	Chain of Custody Documentation/Sample Receipt
X	•	Holding Times
X	•	Instrument Performance
X	•	Initial and Continuing Calibrations
X	•	Laboratory and Field Blank Analysis Results
	•	Surrogate Compound Recoveries
NA	•	Matrix Spike/Matrix Spike Duplicate Recoveries and Reproducibility
X	•	Field Duplicate Analysis Results
X	•	Laboratory Control Sample Results
X	•	Internal Standard Performance
X	•	Canister Certification
X	•	Qualitative Identification
X	•	Quantitation/Reporting Limits

X - Denotes parameter evaluated.

It is recommended that the data only be used according to the qualifiers presented, and discussed in this report. All other data should be considered qualitatively and quantitatively valid as reported by the laboratory, based on the items evaluated.

Report Approved By:

Shawne M. Rodgers
President

February 18, 2025
Date

1.0 DATA COMPLETENESS

The NYSDEC ASP Category B deliverable data were provided by the laboratory.

2.0 CHAIN OF CUSTODY DOCUMENTATION/SAMPLE RECEIPT

The chain of custody was complete. No problems were noted at sample receipt.

3.0 HOLDING TIMES

All criteria were met. No qualifiers were applied.

4.0 INSTRUMENT PERFORMANCE

All criteria were met. No qualifiers were applied.

5.0 INITIAL AND CONTINUING CALIBRATIONS

All criteria were met. No qualifiers were applied.

6.0 LABORATORY AND FIELD BLANK ANALYSIS RESULTS

No compounds were detected in the associated laboratory method blank.

7.0 SURROGATE COMPOUNDS

This parameter is not applicable to the analyses completed.

8.0 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES AND REPRODUCIBILITY

This parameter is not applicable to the analyses completed.

9.0 FIELD DUPLICATE RESULTS

Duplicate samples IA-1 and DUP were submitted to the laboratory to evaluate sampling and analytical precision for those organic compounds determined to be present. Results for these duplicate samples are presented in Table 2.

10.0 LABORATORY CONTROL SAMPLE RESULTS

The following table summarizes the volatile organic compounds laboratory control sample (LCS) results that did not meet the indicated acceptance limits:

Compound	LCS WG2024447-3 %REC	QC Limits
Chloromethane	65	70-130

The unacceptable recovery suggests inefficiencies with the analytical processes. Results for the compound for associated samples are considered biased low quantitative estimates and may be higher than reported. All samples were associated with the LCS. The positive results for chloromethane for the samples have been marked with "J-" qualifiers to indicate it they are biased low quantitative estimates.

11.0 INTERNAL STANDARD PERFORMANCE

All criteria were met. No qualifiers were applied.

12.0 CANISTER CERTIFICATION

All criteria were met. No qualifiers were applied.

13.0 QUALITATIVE IDENTIFICATION

All criteria were met. No qualifiers were applied.

14.0 QUANTITATION/REPORTING LIMITS

As required by USEPA protocol, all compounds, which were qualitatively identified at concentrations below their respective RLs, have been marked with "J" qualifiers to indicate that they are quantitative estimates.

METHODOLOGY REFERENCES

Analysis	Reference
Volatile Organic Compounds	Method TO-15, "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", Second Edition, EPA/625/R-96/010b, January 1999

Table 1 Data Usability Summary Report
NYSDEC Carriage Cleaners #828120
Indoor/Outdoor Air Sampling
Alpha Analytical Laboratory Report No. L2502630

				Analyses Performed
Sample ID	Lab ID	Collection Date	Matrix	TO-15
IA-1	L2502630-01	01/14/2025 00:00	Air	X
IA-2	L2502630-02	01/14/2025 00:00	Air	X
IA-3	L2502630-03	01/14/2025 00:00	Air	X
OUTDOOR	L2502630-04	01/14/2025 00:00	Air	X
DUP	L2502630-05	01/14/2025 00:00	Air	X
EXHAUST GRAB	L2502630-06	01/14/2025 00:00	Air	X

Table 2 **Field Duplicate Sample Results for Organic Analyses**
Soil Vapor Samples IA-1 and DUP

Compound	Sample Result ($\mu g/m^3$)		Field Duplicate Result ($\mu g/m^3$)		RPD
1,2,4-TRIMETHYLBENZENE	0.187		0.059		104
1,2-DICHLOROETHANE	0.101		0.089		13
2,2,4-TRIMETHYLPENTANE	0.224	J	0.257	J	14
2-BUTANONE	0.392	J	ND		NC
BENZENE	0.473		0.553		16
BROMOMETHANE	0.039	J	ND		NC
CARBON TETRACHLORIDE	0.541		0.535		1
CHLOROFORM	0.41		0.366		11
CHLOROMETHANE	0.971	J-	0.987	J-	2
CYCLOHEXANE	0.165	J	0.213	J	25
DICHLORODIFLUOROMETHAN	2.72		2.68		1
ETHYL ALCOHOL	42.6		40.5		5
ETHYLBENZENE	0.109		0.161		39
1,1,2-TRICHLORO-1,2,2-TRIFLUOROE	0.567		0.583		3
1,2-DICHLORO-1,1,2,2-TETRAFLUOROI	0.105	J	0.112	J	6
HEPTANE	0.225	J	0.221	J	2
METHYLENE CHLORIDE	0.497	J	0.545		9
TETRACHLOROETHENE	5.65		5.11		10
TOLUENE	0.528		0.754		35
TRICHLOROFLUOROMETHAN	1.26		1.28		2
N-HEXANE	0.529	J	0.719		30
O-XYLENE	0.152		0.261		53
P/M-XYLENE	0.343		0.530		43
TRANS-1,2-DICHLOROETHENI	ND		0.091		NC
STYRENE	ND		0.064	J	NC
1,3,5-TRIMETHYLBENZENE	ND		0.074	J	NC

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120
Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-01
Client ID: IA-1
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 16:38
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/28/25 18:10
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Dichlorodifluoromethane	0.550	0.200	0.050	2.72	0.989	0.247		1
Chloromethane	0.470	0.200	0.076	0.971	0.413	J 0.156		1
Freon-114	0.015	0.050	0.006	0.105	0.349	0.045	J	1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
Bromomethane	0.010	0.020	0.009	0.039	0.078	0.037	J	1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Ethanol	22.6	5.00	1.35	42.6	9.42	2.54		1
Trichlorofluoromethane	0.224	0.050	0.009	1.26	0.281	0.052		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406		1
Methylene chloride	0.143	0.500	0.110	0.497	1.74	0.382	J	1
Freon-113	0.074	0.050	0.008	0.567	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	0.133	0.500	0.132	0.392	1.47	0.389	J	1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	0.084	0.020	0.007	0.410	0.098	0.035		1
1,2-Dichloroethane	0.025	0.020	0.008	0.101	0.081	0.034		1
n-Hexane	0.150	0.200	0.047	0.529	0.705	0.166	J	1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	0.148	0.100	0.030	0.473	0.319	0.095		1
Carbon tetrachloride	0.086	0.020	0.011	0.541	0.126	0.069		1

RSL

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120
Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-01
Client ID: IA-1
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 16:38
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab								
Cyclohexane	0.048	0.200	0.031	0.165	0.688	0.108	J	1
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
2,2,4-Trimethylpentane	0.048	0.200	0.037	0.224	0.934	0.173	J	1
Heptane	0.055	0.200	0.031	0.225	0.820	0.128	J	1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	0.140	0.100	0.017	0.528	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	0.833	0.020	0.007	5.65	0.136	0.050		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	0.025	0.020	0.009	0.109	0.087	0.037		1
p/m-Xylene	0.079	0.040	0.018	0.343	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	0.035	0.020	0.009	0.152	0.087	0.038		1
1,3,5-Trimethylbenzene	ND	0.020	0.010	ND	0.098	0.047		1
1,2,4-Trimethylbenzene	0.038	0.020	0.008	0.187	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120
Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-01
Client ID: IA-1
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 16:38
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab								
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	96		60-140

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120
Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-02
Client ID: IA-2
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 16:37
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/28/25 18:47
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Dichlorodifluoromethane	0.564	0.200	0.050	2.79	0.989	0.247		1
Chloromethane	0.437	0.200	0.076	0.902	0.413	0.156		1
Freon-114	0.018	0.050	0.006	0.126	0.349	0.045	J	1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
Bromomethane	0.011	0.020	0.009	0.043	0.078	0.037	J	1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Ethanol	27.2	5.00	1.35	51.3	9.42	2.54		1
Trichlorofluoromethane	0.233	0.050	0.009	1.31	0.281	0.052		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406		1
Methylene chloride	0.147	0.500	0.110	0.511	1.74	0.382	J	1
Freon-113	0.081	0.050	0.008	0.621	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	0.137	0.500	0.132	0.404	1.47	0.389	J	1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	0.063	0.020	0.007	0.308	0.098	0.035		1
1,2-Dichloroethane	0.020	0.020	0.008	0.081	0.081	0.034		1
n-Hexane	0.134	0.200	0.047	0.472	0.705	0.166	J	1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	0.145	0.100	0.030	0.463	0.319	0.095		1
Carbon tetrachloride	0.085	0.020	0.011	0.535	0.126	0.069		1

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120
Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-02
Client ID: IA-2
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 16:37
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab								
Cyclohexane	0.041	0.200	0.031	0.141	0.688	0.108	J	1
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
2,2,4-Trimethylpentane	0.037	0.200	0.037	0.173	0.934	0.173	J	1
Heptane	0.047	0.200	0.031	0.193	0.820	0.128	J	1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	0.112	0.100	0.017	0.422	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	0.676	0.020	0.007	4.58	0.136	0.050		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	0.021	0.020	0.009	0.091	0.087	0.037		1
p/m-Xylene	0.054	0.040	0.018	0.235	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	0.023	0.020	0.009	0.10	0.087	0.038		1
1,3,5-Trimethylbenzene	ND	0.020	0.010	ND	0.098	0.047		1
1,2,4-Trimethylbenzene	0.020	0.020	0.008	0.098	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120

Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

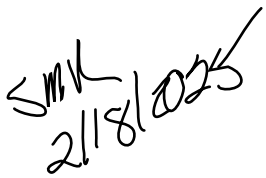
Lab ID: L2502630-02
Client ID: IA-2
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 16:37
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab								
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	94		60-140



Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120
Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-03
Client ID: IA-3
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 16:39
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/28/25 19:25
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Dichlorodifluoromethane	0.546	0.200	0.050	2.70	0.989	0.247		1
Chloromethane	0.476	0.200	0.076	0.983	J 0.413	0.156		1 RSL
Freon-114	0.015	0.050	0.006	0.105	0.349	0.045	J	1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Ethanol	23.3	5.00	1.35	43.9	9.42	2.54		1
Trichlorofluoromethane	0.222	0.050	0.009	1.25	0.281	0.052		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406		1
Methylene chloride	0.149	0.500	0.110	0.518	1.74	0.382	J	1
Freon-113	0.070	0.050	0.008	0.537	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	0.132	0.500	0.132	0.389	1.47	0.389	J	1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	0.070	0.020	0.007	0.342	0.098	0.035		1
1,2-Dichloroethane	0.019	0.020	0.008	0.077	0.081	0.034	J	1
n-Hexane	0.185	0.200	0.047	0.652	0.705	0.166	J	1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	0.156	0.100	0.030	0.498	0.319	0.095		1
Carbon tetrachloride	0.086	0.020	0.011	0.541	0.126	0.069		1

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120

Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-03
Client ID: IA-3
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 16:39
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab								
Cyclohexane	0.054	0.200	0.031	0.186	0.688	0.108	J	1
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	0.037	0.100	0.034	0.133	0.360	0.124	J	1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
2,2,4-Trimethylpentane	0.052	0.200	0.037	0.243	0.934	0.173	J	1
Heptane	0.076	0.200	0.031	0.311	0.820	0.128	J	1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	0.163	0.100	0.017	0.614	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	1.54	0.020	0.007	10.4	0.136	0.050		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	0.031	0.020	0.009	0.135	0.087	0.037		1
p/m-Xylene	0.098	0.040	0.018	0.426	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	0.043	0.020	0.009	0.187	0.087	0.038		1
1,3,5-Trimethylbenzene	0.011	0.020	0.010	0.054	0.098	0.047	J	1
1,2,4-Trimethylbenzene	0.046	0.020	0.008	0.226	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120

Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-03
Client ID: IA-3
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 16:39
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab								
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	97		60-140

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120
Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-04
Client ID: OUTDOOR
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 16:47
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/28/25 16:53
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Dichlorodifluoromethane	0.587	0.200	0.050	2.90	0.989	0.247		1
Chloromethane	0.471	0.200	0.076	0.973	0.413	0.156		1
Freon-114	0.017	0.050	0.006	0.119	0.349	0.045	J	1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Ethanol	ND	5.00	1.35	ND	9.42	2.54		1
Trichlorofluoromethane	0.246	0.050	0.009	1.38	0.281	0.052		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406		1
Methylene chloride	0.153	0.500	0.110	0.532	1.74	0.382	J	1
Freon-113	0.077	0.050	0.008	0.590	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	ND	0.500	0.132	ND	1.47	0.389		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	0.084	0.020	0.007	0.410	0.098	0.035		1
1,2-Dichloroethane	0.019	0.020	0.008	0.077	0.081	0.034	J	1
n-Hexane	0.066	0.200	0.047	0.233	0.705	0.166	J	1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	0.130	0.100	0.030	0.415	0.319	0.095		1
Carbon tetrachloride	0.091	0.020	0.011	0.572	0.126	0.069		1

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120
Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-04
Client ID: OUTDOOR
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 16:47
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab								
Cyclohexane	ND	0.200	0.031	ND	0.688	0.108		1
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
2,2,4-Trimethylpentane	ND	0.200	0.037	ND	0.934	0.173		1
Heptane	ND	0.200	0.031	ND	0.820	0.128		1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	0.087	0.100	0.017	0.328	0.377	0.063	J	1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	0.050	0.020	0.007	0.339	0.136	0.050		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	0.027	0.020	0.009	0.117	0.087	0.037		1
p/m-Xylene	0.070	0.040	0.018	0.304	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	0.035	0.020	0.009	0.152	0.087	0.038		1
1,3,5-Trimethylbenzene	ND	0.020	0.010	ND	0.098	0.047		1
1,2,4-Trimethylbenzene	0.021	0.020	0.008	0.103	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120

Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-04
Client ID: OUTDOOR
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 16:47
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab								
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	89		60-140

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120
Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-05
Client ID: DUP
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 16:38
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/28/25 20:03
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Dichlorodifluoromethane	0.541	0.200	0.050	2.68	0.989	0.247		1
Chloromethane	0.478	0.200	0.076	0.987	0.413	0.156		1
Freon-114	0.016	0.050	0.006	0.112	0.349	0.045	J	1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Ethanol	21.5	5.00	1.35	40.5	9.42	2.54		1
Trichlorofluoromethane	0.228	0.050	0.009	1.28	0.281	0.052		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406		1
Methylene chloride	0.157	0.500	0.110	0.545	1.74	0.382	J	1
Freon-113	0.076	0.050	0.008	0.583	0.383	0.064		1
trans-1,2-Dichloroethene	0.023	0.020	0.009	0.091	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	ND	0.500	0.132	ND	1.47	0.389		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	0.075	0.020	0.007	0.366	0.098	0.035		1
1,2-Dichloroethane	0.022	0.020	0.008	0.089	0.081	0.034		1
n-Hexane	0.204	0.200	0.047	0.719	0.705	0.166		1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	0.173	0.100	0.030	0.553	0.319	0.095		1
Carbon tetrachloride	0.085	0.020	0.011	0.535	0.126	0.069		1

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120
Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-05
Client ID: DUP
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 16:38
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab								
Cyclohexane	0.062	0.200	0.031	0.213	0.688	0.108	J	1
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
2,2,4-Trimethylpentane	0.055	0.200	0.037	0.257	0.934	0.173	J	1
Heptane	0.054	0.200	0.031	0.221	0.820	0.128	J	1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	0.200	0.100	0.017	0.754	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	0.754	0.020	0.007	5.11	0.136	0.050		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	0.037	0.020	0.009	0.161	0.087	0.037		1
p/m-Xylene	0.122	0.040	0.018	0.530	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	0.015	0.020	0.008	0.064	0.085	0.034	J	1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	0.060	0.020	0.009	0.261	0.087	0.038		1
1,3,5-Trimethylbenzene	0.015	0.020	0.010	0.074	0.098	0.047	J	1
1,2,4-Trimethylbenzene	0.059	0.020	0.008	0.290	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120

Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-05
Client ID: DUP
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 16:38
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab								
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	96		60-140

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120
Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-06
Client ID: EXHAUST GRAB
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 13:04
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/29/25 04:13
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Dichlorodifluoromethane	0.562	0.200	0.050	2.78	0.989	0.247		1
Chloromethane	0.297	0.200	0.076	0.613	0.413 J-	0.156		1 BSL
Freon-114	0.015	0.050	0.006	0.105	0.349	0.045	J	1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Ethanol	4.38	5.00	1.35	8.25	9.42	2.54	J	1
Trichlorofluoromethane	0.232	0.050	0.009	1.30	0.281	0.052		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406		1
Methylene chloride	0.115	0.500	0.110	0.400	1.74	0.382	J	1
Freon-113	0.076	0.050	0.008	0.583	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	0.137	0.500	0.132	0.404	1.47	0.389	J	1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	0.078	0.020	0.007	0.381	0.098	0.035		1
1,2-Dichloroethane	0.014	0.020	0.008	0.057	0.081	0.034	J	1
n-Hexane	0.069	0.200	0.047	0.243	0.705	0.166	J	1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	0.097	0.100	0.030	0.310	0.319	0.095	J	1
Carbon tetrachloride	0.080	0.020	0.011	0.503	0.126	0.069		1

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120
Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-06
Client ID: EXHAUST GRAB
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 13:04
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab								
Cyclohexane	ND	0.200	0.031	ND	0.688	0.108		1
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	0.209	0.020	0.006	1.12	0.107	0.032		1
2,2,4-Trimethylpentane	ND	0.200	0.037	ND	0.934	0.173		1
Heptane	ND	0.200	0.031	ND	0.820	0.128		1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	0.061	0.100	0.017	0.230	0.377	0.063	J	1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	24.3	0.020	0.007	165	0.136	0.050		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	0.016	0.020	0.009	0.070	0.087	0.037	J	1
p/m-Xylene	0.053	0.040	0.018	0.230	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	0.022	0.020	0.009	0.096	0.087	0.038		1
1,3,5-Trimethylbenzene	ND	0.020	0.010	ND	0.098	0.047		1
1,2,4-Trimethylbenzene	0.020	0.020	0.008	0.098	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1

Project Name: CARRIAGE CLEANERS BRIGHTON
Project Number: C152650/DEC828120

Lab Number: L2502630
Report Date: 01/29/25

SAMPLE RESULTS

Lab ID: L2502630-06
Client ID: EXHAUST GRAB
Sample Location: 2101 MONROE AVENUE, BRIGHTON, NY

Date Collected: 01/14/25 13:04
Date Received: 01/15/25
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab								
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	99		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	100		60-140

Appendix I – Approved Materials

C/S GRANULAR™

30-50 MESH GRANULAR BENTONITE

CETCO® CRUMBLES # 8

8-20 MESH GRANULAR BENTONITE

Certified to NSF/ANSI 60

DESCRIPTION

C/S GRANULAR and CETCO CRUMBLES are granular bentonite products composed of polymer-free, dried bentonite in various mesh sizes. CETCO CRUMBLES are coarser in size than C/S GRANULAR. C/S GRANULAR and CETCO CRUMBLES are certified to NSF/ANSI Standard 60, Drinking Water Treatment Chemicals -Health Effects.

RECOMMENDED USE

May be used as casing seal, hole abandonment material, and for sealing earthen structures.

CHARACTERISTICS

- Less than 10% moisture
- Provide a positive seal
- Re-hydrates
- Will not shrink or crack

MIXING AND APPLICATION	
Grouting Material	One bag CETCO Crumbles to 24 gallons (91 liters) water or 24 gallons water and 8 ounces (0.25 liters) ACCU-VIS
Dry Shallow Abandonment	Pour required amount directly down borehole; hydrate with freshwater
Earthen Structure Seal	Normal treatment is 3-5 pounds per ft^2 (48-80 kg per m2) depending on soil type

BULK DENSITY

65 lbs/ft^3 (1.04 kg/L)

PACKAGING

50 lb (22.7 kg) bag, 48 per pallet. All pallets are plastic-wrapped.

North America: 847.851.1800 | 800.527.9948 | www.CETCO.com

UPDATED: JULY 2015

© 2015 CETCO. IMPORTANT: The information contained herein supersedes all previous printed versions, and is believed to be accurate and reliable. For the most up-to-date information, please visit www.CETCO.com. CETCO accepts no responsibility for the results obtained through application of this product. All products are sold on the understanding that the user is solely responsible for determining their suitability for the intended use and for proper use and disposal of the product. CETCO MAKES NO WARRANTY OF MERCHANTABILITY OR SUITABILITY FOR ANY PARTICULAR PURPOSE IN CONNECTION WITH ANY SALE OF THE PRODUCTS DESCRIBED HEREIN. CETCO reserves the right to update information without notice.

FORM: TDS_CS_GRANULAR_CETCO_CRUMBLES_AM_EN_201507

SAFETY DATA SHEET

1. Identification

Product identifier **C/S GRANULAR™**

Other means of identification

Synonyms SMECTITE CLAY * BENTONITE

Recommended use Not available.

Recommended restrictions None known. Workers (and your customers or users in the case of resale) should be informed of the potential presence of respirable dust and respirable crystalline silica as well as their potential hazards. Appropriate training in the proper use and handling of this material should be provided as required under applicable regulations.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name CETCO, an MTI Company

Address 2870 Forbs Avenue
Hoffman Estates, IL 60192
United States

Telephone General Information 800 527-9948

Website http://www.cetco.com/

E-mail safetydata@amcol.com

Emergency phone number .

Americas 1.866.519.4752 (US, Canada, Mexico) 1 760 476 3962 Access Code 333562, (Available 24 hours a day. SDS/Product information may not be available for the Emergency Services.)

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Not classified.

Environmental hazards Not classified.

OSHA defined hazards Not classified.

Label elements

Hazard symbol None.

Signal word None.

Hazard statement The substance does not meet the criteria for classification.

Precautionary statement

Prevention Observe good industrial hygiene practices.

Response Wash hands after handling.

Storage Store away from incompatible materials.

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

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

Supplemental information Not applicable.

3. Composition/information on ingredients

Substances

Chemical name	Common name and synonyms	CAS number	%
BENTONITE	SMECTITE CLAY BENTONITE	1302-78-9	100

Constituents

Chemical name	CAS number	%
CALCIUM CARBONATE	471-34-1	
SMECTITE GROUP MINERALS	1318-93-0	
QUARTZ	14808-60-7	<= 8
CRISTOBALITE	14464-46-1	<= 2

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret. Bentonite is a UVCB substance sub-type 4. The purity of the product is 100 % w/w. Bentonite is composed mainly of smectite group minerals but the composition is varied, as expected for a UVCB substance, and other mineral constituents will be present in small and varying amounts. These minor constituents are not relevant for classification and labelling.

Composition comments Occupational Exposure Limits for constituents are listed in Section 8. Bentonite is composed mainly of smectite group minerals but the composition is varied, as expected for a UVCB substance, and other mineral constituents will be present in small and varying amounts. These minor constituents are not relevant for classification and labelling. The purity of the product is 100% w/w. Impurities are not applicable for a UVCB substance.

4. First-aid measures

Inhalation If dust from the material is inhaled, remove the affected person immediately to fresh air. Call a physician if symptoms develop or persist. No specific first aid measures noted.

Skin contact Get medical attention if irritation develops and persists. No specific first aid measures noted. Wash skin with soap and water.

Eye contact No specific first aid measures noted. Flush thoroughly with water. If irritation occurs, get medical assistance.

Ingestion No specific first aid measures noted. Rinse mouth thoroughly. Get medical attention if any discomfort occurs.

Most important symptoms/effects, acute and delayed Dust in the eyes will cause irritation.

Indication of immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically.

General information No hazards which require special first aid measures. Provide general supportive measures and treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Use any media suitable for the surrounding fires.

Unsuitable extinguishing media Not applicable, non-combustible.

Specific hazards arising from the chemical None known. The product itself does not burn.

Special protective equipment and precautions for firefighters Material can be slippery when wet.

Fire fighting equipment/instructions In the event of fire, cool tanks with water spray. Material can be slippery when wet.

Specific methods Cool containers exposed to flames with water until well after the fire is out.

General fire hazards No unusual fire or explosion hazards noted. This material will not burn.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Material can be slippery when wet. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Avoid inhalation of dust from the spilled material. For personal protection, see section 8 of the SDS. No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection advice when handling this product.

Methods and materials for containment and cleaning up If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Sweep up or vacuum up spillage and collect in suitable container for disposal. Collect dust using a vacuum cleaner equipped with HEPA filter. Minimize dust generation and accumulation. Avoid the generation of dusts during clean-up. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS. Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into closed container.

Environmental precautions Prevent further leakage or spillage if safe to do so. No special environmental precautions required.

7. Handling and storage

Precautions for safe handling
Minimize dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. Avoid breathing dust. Avoid contact with skin and eyes. In case of insufficient ventilation, wear suitable respiratory equipment. Practice good housekeeping.

Conditions for safe storage, including any incompatibilities
No special restrictions on storage with other products. Store in a dry area. Store in original tightly closed container. Keep the container dry. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Guard against dust accumulation of this material.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-3 (29 CFR 1910.1000)

Constituents	Type	Value	Form
INERT OR NUISANCE DUSTS	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.

Biological limit values
No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls
Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing. If engineering measures are not sufficient to maintain concentrations of dust particulates below the OEL, suitable respiratory protection must be worn.

Individual protection measures, such as personal protective equipment

Eye/face protection
Use tight fitting goggles if dust is generated. Wear dust-resistant safety goggles where there is danger of eye contact.

Skin protection

Hand protection
No protection is ordinarily required under normal conditions of use.

Other
Normal work clothing (long sleeved shirts and long pants) is recommended.

Respiratory protection
Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.

Thermal hazards
Not applicable.

General hygiene considerations
Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Use good industrial hygiene practices in handling this material.

9. Physical and chemical properties

Appearance
Lump, granular or fine powder.

Physical state
Solid.

Form
Powder. Various.

Color
Various.

Odor
None.

Odor threshold
Not applicable.

pH
8.5 - 11

Melting point/freezing point
> 842 °F (> 450 °C) / Not applicable.

Initial boiling point and boiling range
Not applicable.

Flash point
Not applicable.

Evaporation rate
Not available.

Flammability (solid, gas)
This product is not flammable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)
Not applicable.

Flammability limit - upper (%)
Not applicable.

Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not applicable.
Vapor density	Not applicable.
Relative density	2.6 g/cm³
Solubility(ies)	
Solubility (water)	< 0.9 mg/l
Partition coefficient (n-octanol/water)	Not applicable. Not applicable.
Auto-ignition temperature	Not applicable.
Decomposition temperature	> 932 °F (> 500 °C)
Viscosity	Not applicable.
Viscosity temperature	Not applicable.
Other information	
Bulk density	0.9 - 1.4 g/cm³
Explosive limit	Not applicable.
Explosive properties	Not explosive
Explosivity	Not applicable.
Flame extension	Not applicable.
Flammability	Not applicable.
Flammability (flash back)	Not applicable.
Flammability (Heat of combustion)	Not applicable.
Flammability (Train fire)	Not applicable.
Flammability class	Not applicable.
Flash point class	Not flammable
Molecular formula	UVCB Substance
Molecular weight	Not applicable.
Oxidizing properties	None.
Percent volatile	0 %
pH in aqueous solution	8.5 - 11
Specific gravity	Not applicable.
VOC (Weight %)	CARB 0 %

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Stable at normal conditions.
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	Moisture. Avoid temperatures exceeding the decomposition temperature. Contact with incompatible materials. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).
Incompatible materials	None known.
Hazardous decomposition products	Irritating and/or toxic fumes and gases may be emitted upon the products decomposition.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Inhalation of dusts may cause respiratory irritation.
Skin contact	Not classified.
Eye contact	Dust in the eyes will cause irritation.

Ingestion Not classified.

Symptoms related to the physical, chemical and toxicological characteristics None known.

Information on toxicological effects

Product	Species	Test Results
C/S GRANULAR™ (CAS 1302-78-9)		
Acute		
Inhalation		
Dust		
LC50	Rat	> 5.27 mg/l, 4 hr OECD 436
Oral		
Dust		
LD50	Rat	> 2000 mg/kg OECD 425

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation Not classified.

Serious eye damage/eye irritation Dust in the eyes will cause irritation. Mild irritant to eyes (according to the modified Kay & Calandra criteria)

Respiratory or skin sensitization

Respiratory sensitization Not classified.

Skin sensitization Not classified.

Germ cell mutagenicity Not classified.

Carcinogenicity In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk..." (SCOEL SUM Doc 94-final, June 2003) According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled. The product does not meet the criteria for classification as hazardous according to EC Regulation 1272/2008 and Directive 67/548/EC as amended. The product contains less than 1% w/w RCS (respirable crystalline silica).

IARC Monographs. Overall Evaluation of Carcinogenicity

Not available.

US. National Toxicology Program (NTP) Report on Carcinogens

Not available.

Reproductive toxicity Not classified.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not available.

12. Ecological information

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

Product		Species	Test Results
BENTONITE (CAS 1302-78-9)			
Aquatic			
Algae	EC50	Freshwater algae	> 100 mg/l, 72 hours
Crustacea	EC50	Coon stripe shrimp (Pandalus danae)	24.8 mg/l, 96 hours
		Daphnia	> 100 mg/l, 48 hours
		Dungeness or edible crab (Cancer magister)	81.6 mg/l, 96 hours

Product		Species	Test Results
Fish	LC50	Freshwater fish	16000 mg/l, 96 hours
		Marine water fish	2800 - 3200 mg/l, 24 hours

* Estimates for product may be based on additional component data not shown.

Persistence and degradability Not relevant for inorganic substances

Bioaccumulative potential Will not bio-accumulate.

Mobility in soil Bentonite is almost insoluble and thus presents a low mobility in most soils.

Mobility in general The product has poor water-solubility.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose in accordance with all applicable regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

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

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Store containers and offer for recycling of material when in accordance with the local regulations.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

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

15. Regulatory information

US federal regulations

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

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

Not regulated.

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

Not regulated.

Safe Drinking Water Act (SDWA)	Not regulated.
Food and Drug Administration (FDA)	Total food additive Direct food additive GRAS food additive

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

US. Massachusetts RTK - Substance List

Not regulated.

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

Not regulated.

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

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

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

Issue date	03-October-2013
Revision date	04-January-2016
Version #	22
Further information	This safety datasheet only contains information relating to safety and does not replace any product information or product specification.
HMIS® ratings	Health: 1 Flammability: 0 Physical hazard: 0
NFPA ratings	Health: 1 Flammability: 0 Instability: 0

List of abbreviations

SWERF = Size-Weighted Relevant Fine Fraction methodology is a scientific method developed to quantify the content of respirable particles within a bulk product. All details about the SWERF method are available at www.crystallinesilica.eu.

	UVCB = a substance of Unknown or Variable composition, Complex reaction products or Biological materials
References	For any information on literature references or toxicity/ecotoxicity studies, please contact the supplier.
Disclaimer	The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The manufacturer expressly does not make any representations, warranties, or guarantees as to its accuracy, reliability or completeness nor assumes any liability, for its use. It is the user's responsibility to verify the suitability and completeness of such information for each particular use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information in the sheet was written based on the best knowledge and experience currently available.
Revision Information	Product and Company Identification: Alternate Trade Names

LESCO : 28-59-170

LESCO NYDOT General Roadside Seed Mixture 50 lb.

- High-quality, durable seed mixture for use on general roadside areas
- Specifically formulated by LESCO to meet NYDOT standards
- 50 lb. bag provides ample coverage for large areas

In Stock at Clifton Park NY #266. **Check Other Stores**

Check Other Stores

Description

Ensure a beautiful and thriving landscape with LESCO NYDOT General Roadside Seed Mixture. Designed specifically for the harsh conditions of roadside areas, this 50 lb. bag of seeds is perfect for creating a lush and healthy environment along highways, walkways, and busy roads. Formulated to meet the stringent standards set by the New York Department of Transportation, this seed mixture contains a variety of fast-growing annual and perennial grasses, along with hardy legumes and forbs. These hardworking plants work together to quickly establish a dense and resilient turf that can withstand heavy traffic, extreme temperatures, and other environmental stressors. With its high germination rate and superior seed quality, LESCO NYDOT General Roadside Seed Mixture is easy to plant and maintain, providing a cost-effective solution for your landscaping needs. With just one bag, you can cover up to 10,000 square feet, making it ideal for large-scale projects. Whether you're a DOT contractor, landscaping professional, or home gardener, LESCO NYDOT General Roadside Seed Mixture is the reliable choice for creating a visually appealing and durable landscape. Trust in LESCO's 30+ years of experience in the industry and make your roadside areas stand out with this powerful seed mixture.

Add to List

People Who Viewed This Item Also Viewed

LESCO All Pro Tea

Lc

Specifications

Suggest an edit

Type	Turf	Sun Tolerance	Sun & Shade
Recommended Use	Roadside	Item	Seed Blend
Light Requirements	Sun & Shade	Container Size	50 lb.
Container Type	Bag	Coverage Area	6,000 sq. ft.
Regulated	No	Brand Name	LESCO

Top Products in Blends & Mixtures

LESCO Conservation Seed Mixture 50 lb.

Log in to See Your Price

Log in to Buy

LESCO Dimension 0.15% 19-0-6 3(
OPTI45 Pre-Emergent Plus Fertil

RETAIL PRICE

$56.10 / Bag

Log in to See Your Price

Add to Cart

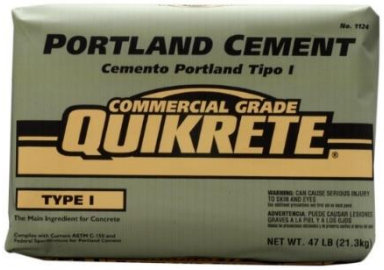
Use of this site is subject to certain Terms and Conditions. Local branch prices may vary from those displayed and inventory levels cannot be guaranteed.

PORTLAND CEMENT

PRODUCT NO. 1124-31, -42, -47, -94
1125-47, -94

DIVISION **3**

03 05 00 Cement



PRODUCT DESCRIPTION

QUIKRETE® Portland Cement is a high quality portland cement meeting ASTM C150 or ASTM C595 specifications.

PRODUCT USE

QUIKRETE® Portland Cement is used for making high strength repair mortars, concretes and for any other applications requiring portland cement meeting ASTM specifications. Consult your supplying plant to confirm compliance with ASTM C150 or ASTM C595.

SIZES

- 31 lb (14 kg) bags
- 40 kg (88 lb) bags
- 47 lb (21.3 kg) bags
- 42 kg (92.5 lb) bags
- 94 lb (42.6 kg) bags
- Available in Bulk, contact local plant for details

YIELD

Yield depends on application. For concrete mixes, five to six 94 lb (42.6 kg) bags of QUIKRETE® Portland Cement is typically used with appropriate proportions of sand and gravel to produce 1 yd^3 (0.76 m^3) of concrete.

TECHNICAL DATA

APPLICABLE STANDARDS

- ASTM C33 Standard Specification for Concrete Aggregates
- ASTM C91 Standard Specification for Masonry Cement
- ASTM C144 Standard Specification for Aggregate for Masonry Mortar
- ASTM C150 Standard Specification for Portland Cement
- ASTM C207 Standard Specification for Hydrated Lime for Masonry Purposes
- ASTM C595 Standard Specification for Blended Hydraulic Cements
- ASTM C897 Standard Specification for Aggregate for Job-Mixed Portland Cement-Based Plasters

TYPICAL MIX DESIGNS

QUIKRETE® Portland Cement can be used as a component of a variety of construction materials. Typical mix designs (by volume) for some applications are listed below:

Concrete Mix
1 Part QUIKRETE® Portland Cement
2 Parts QUIKRETE® All-Purpose Sand (ASTM C33)
3 Parts QUIKRETE® All-Purpose Gravel (ASTM C33)

Mortar Mix (Type S, per ASTM C270)
1 Part QUIKRETE® Portland Cement
1/2 Part Hydrated Lime Type S (ASTM C207)
3-1/2 to 4-1/2 Parts Masonry Sand (ASTM C144)

Mortar Mix (Type N, per ASTM C270)
1 Part QUIKRETE® Portland Cement
1 Part Hydrated Lime Type S (ASTM C207)
4-3/4 to 5-3/4 Parts Masonry Sand (ASTM C144)

Scratch and Brown Coat Stucco Mix Blend I (per ASTM C926)
1 Part QUIKRETE® Portland Cement
1/2 Part Hydrated Lime Type S (ASTM C207)
4-1/2 to 6 Parts Plaster Sand (ASTM C897)

Scratch and Brown Coat Stucco Mix Blend II (per ASTM C926)
1 Part QUIKRETE® Portland Cement
1 Part QUIKRETE® Masonry Cement Type N (ASTM C91)
6 to 8 Parts Plaster Sand (ASTM C897)

PRECAUTIONS

- Proper curing techniques should be utilized for each specific application type.
- Protect concrete, mortar, or stucco from freezing for a minimum of 24 hours.
- If color is important, addition rates from batch to batch should be established, and consistency maintained throughout the project.
- For each application type, use the minimum amount of water necessary to achieve the desired consistency. Adding too much water may weaken the product and potentially cause durability issues.

SAFETY

IMPORTANT: Read Safety Data Sheet carefully before using. **WEAR IMPERVIOUS GLOVES**, such as nitrile, mask, and eye protection.
DANGER: Causes sever skin burns and serious eye damage. Prolonged or repeated inhalation of dust may cause lung damage or cancer.
KEEP OUT OF REACH OF CHILDREN

WARRANTY

NOTICE: Obtain the applicable **LIMITED WARRANTY** at www.quikrete.com/product-warranty or send a written request to The Quikrete Companies, LLC, Five Concourse Parkway, Atlanta, GA 30328, USA. Manufactured by or under the authority of The Quikrete Companies, LLC. © 2022 Quikrete International, Inc.

CEMENT & CONCRETE PRODUCTS™

D1: Packaged Raw Materials

SAFETY DATA SHEET
(Complies with OSHA 29 CFR 1910.1200)

SECTION I: PRODUCT IDENTIFICATION

The QUIKRETE® Companies
5 Concourse Parkway, Suite 1900
Atlanta, GA 30328

Emergency Telephone Number
INFOTRAC (800) 535-5053
Information Telephone Number
(800) 282-5828

SDS D1
Revision: Feb-23

QUIKRETE® Product Name	Code #
QUIKRETE® PORTLAND CEMENT (GRAY OR WHITE)	1124/1231
PORTLAND/POZZOLAN CEMENT	1118-35
QUIKRETE® PORTLAND T-I AND T-III CEMENT	2126-53
QUIKRETE® PORTLAND T-I/II OR IL	1124-08
QUIKRETE® PORTLAND T-10 AND T-30 CEMENT	2126-54
QUIKRETE® PORTLAND T-III W FLY ASH	1125-22
QUIKRETE® PORTLAND T-II/V	1124-87
ALL-STAR PORTLAND CEMENT TYPE-I	1121-94
ZIA PORTLAND CEMENT	2124-97
CONCRETE ACCELERATOR	9800
HIGH PERFORMANCE CEMENT (GRAY &WHITE)	1247-87
HIGH PERFORMANCE PRE-CAST GRAY CEMENT	1247-88
HIGH PERFORMANCE PRE-CAST WHITE CEMENT	1247-89
CEMENT, TYPE HS (TYPE 50) 40 KG BAG	9994005

PRODUCT USE: HYDRAULIC CEMENTS FOR GENERAL CONSTRUCTION AND REPAIR

SEE MOST CURRENT REVISION OF THIS DOCUMENT AT WWW.QUIKRETE.COM.

SECTION II - HAZARD IDENTIFICATION

Hazard-determining components of labeling: Silica, Portland cement

2.1 Classification of the substance or mixture

Carcinogen – Category 1A
Skin Corrosion – Category 1B
Skin Sensitization – Category 1B
Specific Target Organ Toxicity Repeat Exposure – Category 1

Specific Target Organ Toxicity: Single Exposure – Category 3

2.2a Signal word DANGER!

2.2b Hazard Statements
May cause cancer through chronic inhalation
Causes severe skin burns and serious eye damage
May cause an allergic skin reaction
Causes damage to lungs through prolonged or repeated inhalation
May cause respiratory irritation

2.2c Pictograms

2.2d Precautionary statements
Do not handle until all safety precautions have been read and understood.
Wear impervious gloves, such as nitrile. Wear eye protection, protective clothing and rubber boots.
Do not eat, drink or smoke when using this product.
Wash thoroughly after handling.
Use only in a well-ventilated area.
Do not breathe dust.

If swallowed: Rinse mouth. Do NOT induce vomiting.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If on skin (or hair): Remove immediately all contaminated clothing and wash before re-use. Rinse skin or hair with water.
If significant skin irritation or rash occurs: get medical advice or attention.

Immediately seek medical advice or attention if symptoms are significant or persist.

Store in a well-ventilated place. Keep container tightly closed.
Dispose of contents/containers in accordance with all regulations.

2.3 Additional Information

The Portland cement in this product can cause serious, potentially irreversible damage to skin, eye, respiratory and digestive tracts due to chemical (caustic) burns, including third degree burns.
Burns from Portland cement may not cause immediate pain or discomfort. You cannot rely on pain to alert you to cement burns. Portland cement can cause dermatitis or sensitization. Therefore precautions must be taken to prevent all contact with Portland cement. Cement burns can become worse even after contact has ended. If there is contact with this product, immediately remove all product from body and thoroughly rinse with water. If you experience or suspect a cement burn or inflammation you should immediately see a health care professional.

Skin burns and irritation may be caused by brief exposure, though often are caused by extended exposure of 15 minutes, an hour, or longer. Interaction of Portland cement with water or sweat releases a caustic solution which produces the burns or irritation. Any extended exposure should be treated as though a burn has occurred until determined otherwise.

Skin contact with Portland cement can also cause inflammation of the skin, referred to as dermatitis. Signs and symptoms of dermatitis can include itching, redness, swelling, blisters, scaling, and other changes in the normal condition of the skin. Signs and symptoms of burns include the above and whitening, yellowing, blackening, peeling or cracking of skin.

The Portland cement in this product may cause allergic contact dermatitis in sensitized individuals. This overreaction of the immune system can lead to severe inflammation. Sensitization may result from a single exposure to the low levels of Cr (VI) in Portland cement or repeated exposures over months or years. Sensitization is long lasting and, after sensitization, even very small quantities can trigger the dermatitis. Sensitization is uncommon. Individuals who experience skin problems, including seemingly minor ones, are advised to seek medical attention.

2.3a HNOC – Hazards not otherwise classified: Not applicable

2.3b Unknown Acute Toxicity: None

SECTION III - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components	CAS No.	% by Weight
Portland Cement	65997 15 1	99-100
Sand, Silica, Quartz	14808-60-7	<1

*Trace silica may be present as a contaminant.
None of the constituents of this material are of unknown toxicity.

SECTION IV – FIRST AID MEASURES

4.1 Description of the first-aid measures

General information:
After inhalation: Remove person to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. In case of unconsciousness, place patient stably in side position for transportation.
After skin contact: Wash skin with cool water and pH-neutral soap or a mild detergent. If significant skin irritation or rash occurs: get medical advice or attention.
After eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
After swallowing: Do not induce vomiting. If conscious, have the victim drink plenty of water and call a physician immediately. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms/effects, acute and delayed
Inhalation: May cause respiratory tract irritation. Causes damage to organs through prolonged or repeated inhalation. This product contains crystalline silica. Prolonged or repeated inhalation of respirable silica from this product can cause silicosis.

Skin contact: The Portland cement in this product can cause serious, potentially irreversible damage to skin, eye, respiratory and digestive tracts due to chemical (caustic) burns, including third degree burns.
Burns from Portland cement may not cause immediate pain or discomfort. You cannot rely on pain to alert you to cement burns. Portland cement can cause dermatitis or sensitization. Therefore precautions must be taken to prevent all contact with Portland cement. Cement burns can become worse even after contact has ended. If there is contact with this product, immediately remove all product from body and thoroughly rinse with water. If you experience or suspect a cement burn or inflammation you should immediately see a health care professional.

Skin burns and irritation may be caused by brief exposure, though often are caused by extended exposure of 15 minutes, an hour, or longer. Interaction of Portland cement with water or sweat releases a caustic solution which produces the burns or irritation. Any extended exposure should be treated as though a burn has occurred until determined otherwise.

Skin contact with Portland cement can also cause inflammation of the skin, referred to as dermatitis. Signs and symptoms of dermatitis can include itching, redness, swelling, blisters, scaling, and other changes in the normal condition of the skin. Signs and symptoms of burns include the above and whitening, yellowing, blackening, peeling or cracking of skin.

The Portland cement in this product may cause allergic contact dermatitis in sensitized individuals. This overreaction of the immune system can lead to severe inflammation. Sensitization may result from a single exposure to the low levels of Cr (VI) in Portland cement or repeated exposures over months or years. Sensitization is long lasting and, after sensitization, even very small quantities can

trigger the dermatitis. Sensitization is uncommon. Individuals who experience skin problems, including seemingly minor ones, are advised to seek medical attention.

Eye Contact: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Ingestion: May be harmful if swallowed. Ingestion may cause discomfort and/or distress, nausea or vomiting.

4.3 Indication of immediate medical attention and special treatment needed:
Immediately seek medical advice or attention if symptoms are significant or persist.

SECTION V - FIRE FIGHTING MEASURES

5.1 Flammability of the Product: Non-flammable and non-combustible
5.2 Suitable extinguishing agents: Treat for surrounding material
5.3 Special hazards arising from the substance or mixture: None
5.3a Products of Combustion: None
5.3b Explosion Hazards in Presence of Various Substances: Non-explosive in presence of shocks

SECTION VI – ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures: Wear personal protective equipment (See section VIII). Keep unprotected persons away.

6.2 Methods and material for containment and cleaning up:
Do not allow to enter sewers/ surface or ground water. Dispose of unwanted materials and containers properly in accordance with all regulations.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND STORAGE

7.1 Handling
Precautions for safe handling: Ensure good ventilation/exhaustion at the workplace. DO NOT BREATHE DUST. In dusty environments, the use of an OSHA, MSHA or NIOSH approved respirator and tight fitting goggles is recommended. Wear appropriate PPE (See section 8).Do not mix with other chemical products, except as indicated by the manufacturer. Do not get in eyes, on skin or clothing. Good housekeeping is important to prevent accumulation of dust.

7.2 Storage
Requirements to be met by storerooms and receptacles: No special requirements.
Information about storage in one common storage facility: Not required.
Further information about storage conditions: Keep out of the reach of children. Keep container tightly closed and prevent exposure to humidity. Do not allow water to contact the product until time of use to preserve product utility.

SECTION VIII – EXPOSURE CONTROL MEASURES / PERSONAL PROTECTION

8.1 Components with limit values that require monitoring at the workplace:

Hazardous Components	CAS No.	PEL (OSHA) mg/M^3	TLV (ACGIH) mg/M^3
Silica Sand, crystalline	14808-60-7	0.05	0.025 (resp)
Portland Cement	65997-15-1	5 (resp) 15 (total)	10 (resp)

8.2 Exposure Controls
Use ventilation adequate to keep exposures below recommended exposure limits.

8.3 General protective and hygienic measures
Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

8.3a Personal protective equipment
Protection of hands and feet:
Wear gloves of adequate length to offer appropriate skin protection from splashes. Nitrile, Butyl and PVC gloves have been found to offer adequate protection for incidental contact. Wear rubber boots when stepping in concrete. You cannot rely on pain to alert you to cement burns. Portland cement can cause dermatitis or sensitization.

Eye protection:
Wear approved eye protection (properly fitted dust- or splash-proof chemical safety glasses.

Respiratory protection:
A NIOSH-approved dust mask or filtering face piece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional, following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

General Information

Appearance	Form: Granular Solid Color: Gray to gray-brown colored Odor: None
pH-value at 20°C (68 °F):	13 (10%)
Boiling point/Boiling range:	Not applicable
Flash point:	Not applicable
Auto igniting:	Product is not self-igniting
Vapor pressure at 21°C (70°F)	Not available
Density at 25°C (77 °F):	3.15
Solubility in / Miscibility with Water:	Insoluble
VOC content:	0 g/L VOC

SECTION X – STABILITY AND REACTIVITY

10.1 Reactivity
No dangerous reaction known under conditions of normal use.
10.2 Chemical stability
Stable under normal storage conditions. Keep in dry storage.
10.3 Possibility of hazardous reaction
No dangerous reaction known under conditions of normal use.
10.4 Thermal decomposition / conditions to be avoided
No decomposition if used according to specifications.
10.5 Incompatible materials
Contact of silica with powerful oxidizing agents such as fluorine, chlorine trifluoride, manganese trioxide, or oxygen difluoride may cause fires
10.6 Hazardous Decomposition or By-products
Silica will dissolve in Hydrofluoric Acid and produce a corrosive gas – silicon tetrafluoride.

SECTION XI – TOXICOLOGICAL INFORMATION

11.1 Exposure Routes: Skin contact, skin adsorption, eye contact, inhalation, or ingestion.

11.2 Symptoms related to physical/chemical/toxicological characteristics:

Inhalation: May cause respiratory tract irritation. Causes damage to organs through prolonged or repeated exposure. This product contains crystalline silica. Prolonged or repeated inhalation of respirable silica from this product can cause silicosis.

Skin contact: Causes skin irritation. Handling can cause dry skin, discomfort, irritation, and dermatitis. May cause sensitization by skin contact. Product becomes extremely alkaline when exposed to moisture, and can cause alkali burns and affect the mucous membranes.

Eye Contact: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Ingestion: Harmful if swallowed. Ingestion may cause discomfort and/or distress, nausea or vomiting.

11.3 Delayed, immediate and chronic effects of short-term and long-term exposure

Short Term

Skin Corrosion/Irritation: Causes severe skin burns.
Serious Eye Damage/Irritation: Causes severe eye damage.
Respiratory Sensitization: Not available
Skin Sensitization: May cause an allergic skin reaction.
Specific Target Organ Toxicity-Single Exposure: (Category 3) May cause respiratory irritation.
Aspiration Hazard: Not available

Long Term

Carcinogenicity: May cause cancer through chronic inhalation.
Germ Cell Mutagenicity: Not available
Reproductive Toxicity: Not available
Specific Target Organ Toxicity- Repeated Exposure: (Category 1) Causes damage to lungs through prolonged/repeated exposure
Synergistic/Antagonistic Effects: Not available.

SECTION XII – ECOLOGICAL INFORMATION

12.1 Ecotoxicity

May cause long-term adverse effects to the aquatic environment. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Must not reach bodies of water or drainage ditch undiluted or un-neutralized

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential:

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 Other Adverse Effects
No further relevant information available.

SECTION XIII – DISPOSAL CONSIDERATIONS

13.1 Waste Disposal Method
The packaging and material may be land filled; however, material should be covered to minimize generation of airborne dust. This product is not classified as a hazardous waste under the authority of the RCRA (40CFR 261) or CERCLA (40CFR 117&302). Disposal must be made in accordance with local, state and federal regulations.

13.2 Other disposal considerations
Uncleaned packaging
Recommendation: Disposal must be made in accordance with local, state and federal regulations.
Recommended cleansing agent: Water, if necessary with cleansing agents.

SECTION XIV – TRANSPORT INFORMATION

	DOT (U.S.)	TDG (Canada)
UN-Number	Not Regulated	Not Regulated
UN proper shipping name	Not Regulated	Not Regulated
Transport Hazard Class(es)	Not Regulated	Not Regulated
Packing Group (if applicable)	Not Regulated	Not Regulated

14.1 Environmental hazards:
Not Available

14.2 Transport in bulk according to Annex II of Marpol 73/78 and the IBC Code
Not available

14.3 Special precautions for user
Do not handle until all safety precautions have been read and understood.

SECTION XV – OTHER REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislations specific for the chemical

Canada

WHMIS Classification: Considered to be a hazardous material under the Hazardous Products Act as defined by the Controlled Products Regulations and subject to the requirements of Health Canada's Workplace Hazardous Material Information (WHMIS). This document complies with the WHMIS requirements of the Hazardous Products Act (HPA) and the CPR.

15.2 US Federal Information

SARA 302/311/312/313 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302, 311, 312 or 313.
RCRA: Crystalline silica (quartz) is not classified as a hazardous waste under the Resource Conservation and Recovery Act, or its regulations, 40 CFR §261 et seq.
CERCLA: Crystalline silica (quartz) is not classified as a hazardous substance under regulations of the Comprehensive Environmental Response Compensation and Liability Act (CERCLA), 40 CFR §302.
Emergency Planning and Community Right to Know Act (SARA Title III): Crystalline silica (quartz) is not an extremely hazardous substance under Section 302 and is not a toxic chemical subject to the requirements of Section 313.
FDA: Silica is included in the list of substances that may be included in coatings used in food contact surfaces, 21 CFR §175.300(b)(3)(xxvi).
NTP: Respirable crystalline silica, primarily quartz dusts occurring in industrial and occupational settings, is classified as Known to be a Human Carcinogen.
OSHA Carcinogen: Crystalline silica (quartz) is not listed.

15.3 State Right to Know Laws

California Prop. 65 Components

WARNING: This product can expose you to chemicals including crystalline silica which is known to the State of California to cause cancer and Portland cement which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.
California Inhalation Reference Exposure Level (REL): California established a chronic REL of 3 µg for silica (crystalline, respirable). A chronic REL is an airborne level of a substance at or below which no adverse health effects are anticipated in individuals indefinitely exposed to the substance at that level.
Massachusetts Toxic Use Reduction Act: Silica, crystalline (respirable size, <10 microns) is "toxic" for purposes of the Massachusetts Toxic Use Reduction Act.

15.4 Global Inventories

DSL All components of this product are on the Canadian DSL list.

TSCA No.: Crystalline silica (quartz) appears on the EPA TSCA inventory under the CAS No. 14808-60-7. All constituents are listed in the TSCA inventory.

SECTION XVI – OTHER INFORMATION

Last Updated: February 13, 2023

NOTE: The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to silica contained in our products.

Prepared by The QUIKRETE Companies, LLC

End of SDS

Sakrete Cement Mix Accelerator

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.
Issue date: 3/29/2022 Revision date: 3/29/2022 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : Sakrete Cement Mix Accelerator

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Cement Accelerator

1.3. Supplier

Manufacturer
Sakrete of North America
625 Griffith Rd., Ste 100
Charlotte, NC 28217
T 866-725-7383

1.4. Emergency telephone number

Emergency number : CHEMTREC (800) 424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Eye Irrit. 2A — Causes serious eye irritation

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :

Signal word (GHS US) : Warning
Hazard statements (GHS US) : Causes serious eye irritation
Precautionary statements (GHS US) : Wash hands, forearms and face thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Calcium chloride	CAS-No.: 10043-52-4	20 – 45

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact : If skin irritation occurs: Wash skin with plenty of water. Obtain medical attention if irritation persists.

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

First-aid measures after ingestion : Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : May cause irritation to the respiratory tract.

Symptoms/effects after skin contact : May cause skin irritation. Repeated exposure may cause skin dryness or cracking.

Symptoms/effects after eye contact : Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Symptoms/effects after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

4.3. Immediate medical attention and special treatment, if necessary

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media : Do not use water jet.

5.2. Specific hazards arising from the chemical

Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon. irritating vapors.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment : Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.

Methods for cleaning up : Scoop up material and place in a disposal container. Provide ventilation.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.

Hygiene measures : Wash contaminated clothing before reuse. Wash hands, forearms and face thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated place.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Sakrete Cement Mix Accelerator

No additional information available

Calcium chloride (10043-52-4)

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Provide readily accessible eye wash stations and safety showers.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:
Wear suitable waterproof gloves
Eye protection:
Wear approved eye (properly fitted dust- or splash-proof chemical safety goggles) / face (face shield) protection.
Skin and body protection:
Wear suitable waterproof protective clothing
Respiratory protection:
A NIOSH approved dust mask or filtering facepiece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).

Other information:

Handle according to established industrial hygiene and safety practices. Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	No data available.
Color	:	Amber color
Odor	:	Odorless
Odor threshold	:	No data available
pH	:	3.8-9.0
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	105-125 °C (221-257 °F)
Flash point	:	No data available
Relative evaporation rate (butyl acetate=1)	:	No data available
Flammability (solid, gas)	:	Not flammable.
Vapor pressure	:	No data available
Relative vapor density at 20 °C	:	No data available
Relative density	:	1.19-1.49 at 27 °C (80.6 °F)
Solubility	:	No data available
Partition coefficient n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosion limits	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available

9.2. Other information

VOC content	:	10 g/L

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Incompatible materials.

10.5. Incompatible materials

Oxidizing agents.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Calcium chloride (10043-52-4)	
LD50 oral rat	1000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified
Viscosity, kinematic : No data available
Symptoms/effects after inhalation : May cause irritation to the respiratory tract.
Symptoms/effects after skin contact : May cause skin irritation. Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact : Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Symptoms/effects after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Other information : Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

Calcium chloride (10043-52-4)	
LC50 - Fish [1]	10650 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 - Crustacea [1]	2280000 – 3948000 µg/l (Exposure time: 48 h - Species: Daphnia magna)
LOEC (chronic)	240 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	481 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	230 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '25 d'

12.2. Persistence and degradability

Sakrete Cement Mix Accelerator	
Persistence and degradability	Not established.

Calcium chloride (10043-52-4)	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Sakrete Cement Mix Accelerator	
Bioaccumulative potential	Not established.

Calcium chloride (10043-52-4)	
BCF - Fish [1]	(no bioaccumulation)
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : No other effects known.

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with DOT

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not applicable

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : Not applicable

14.4. Packing group

Packing group (DOT) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

Special transport precautions : Do not handle until all safety precautions have been read and understood.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

15.2. International regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Issue date : 03/29/2022

Revision date : 03/29/2022

Other information : None.

Prepared by : Nexreg Compliance Inc.
www.Nexreg.com

Safety Data Sheet (SDS), USA

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

CEMENT MIX ACCELERATOR

♦ The Pro's Choice Since 1936

Sakrete® Cement Mix Accelerator is a calcium chloride based product designed to accelerate concrete, mortar or any portland cement based product. Cement Mix Accelerator can be used when a rapid set is desired or when freezing temperatures are anticipated. When used in winter it is not an anti-freeze but works to accelerate the set before the product has a chance to freeze.

Features:

- Accelerates set time of portland based products
- Provides faster set time
- Does not impact portland cement based products performance
- Can be mixed with concrete mixes, mortar Mixes and sand mixes

Yield/Coverage:

Container Size	Yield	32°F (0°C)	25°F (-4°C)
1 gal (3.8 L)	80 lb (36.3 kg) Concrete Mix or Sand Mix	4 fl. oz (0.12 L)	8 fl. oz (0.24 L)
	60 lb (27.2 kg) Concrete Mix	3 fl. oz (0.09 L)	6 fl. oz (0.18 L)
	80 lb (36.3 kg) Mortar Mix	2 fl. oz (0.06 L)	4 fl. oz (0.12 L)

NOTE: The yield is approximate and does not allow for waste and spillage.

Technical Data:

Contains calcium chloride. Caution should be taken when using around metal or concrete with rebar.

Sakrete Cement Mix Accelerator is not an anti-freeze. Cold protective measures are still required.

DIVISION 3
Additives & Admixtures – 03 06 00

Preparation/Application:

Concrete Mix Accelerator is used in conjunction with other cementitious products. For preparation and application instructions following those on the packaging of the cement product to be used.

Refer to:
- ACI 302.1 Guide for Concrete Flooring and Slab Construction
- ACI 304.1 Guide for Measuring, Mixing, Transportation and Placing Concrete

1. READ ALL DIRECTIONS BEFORE STARTING WORK
2. Prepare the substrate as required following the cement products technical data sheet under the preparation section.

Mixing:

1. Always mix Sakrete Cement Mix Accelerator with water prior to mixing into the cement product.
2. Do not add accelerator directly to any cement product. Accelerator can be added directly to the mixing water in the proportions listed above.
3. In cold temperatures use warm water and keep bagged material in warm area until just prior to using.

NOTE: Proper application and installation of all Sakrete products are the responsibility of the end user.

Safety:

READ and UNDERSTAND the Safety Data Sheet (SDS) before using this product. WARNING: Wear protective clothing and equipment. For emergency information, call CHEMTREC at 800-424-9300 or 703-527-3887 (outside USA).
KEEP OUT OF REACH OF CHILDREN.

Limited Product Warranty:

The manufacturer warrants that this product shall be of merchantable quality when used or applied in accordance with the manufacturer's instructions. This product is not warranted as suitable for any purpose other than the general purpose for which it is intended. This warranty runs for one (1) year from the dates the product is purchased. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE DURATION OF THIS WARRANTY. Liability under this warranty is limited to replacement or defective products or, at the manufacturer's option, refund of the purchase price. CONSEQUENTIAL AND INCIDENTAL DAMAGES ARE NOT RECOVERABLE UNDER THIS WARRANTY.

SAKRETE® and the background design are registered trademarks of SAKRETE of North America LLC, Charlotte, NC 28217 • ©2006. SAKRETE® is manufactured under license from SAKRETE of North America LLC.
For current and complete product information, contact SAKRETE Technical Services toll-free at 866-725-7383 or visit Sakrete.com.

Latest revision date: 12/04/2015
Version: 1.3

United States

Safety Data Sheet

The Scotts Company
14111 Scottslawn Road
Marysville, Ohio 43041
United States

24 h. EMERGENCY TELEPHONE NUMBER
CHEMTREC (U.S.) 1-800-424-9300
CHEMTREC (International) 1-703-527-3887
Non-Emergency Calls
1-937-644-0011

SCOTTS PREMIUM TOPSOIL

Section 1. Identification

GHS product identifier : SCOTTS PREMIUM TOPSOIL
Product type : Growing Media
SDS # : 320000000563

Relevant identified uses of the substance or mixture and uses advised against
Use only in accordance with label directions.

Section 2. Hazards identification

This product is regulated by the Consumer Product Safety Commission (CPSC) for label precautionary text see Section 15.

OSHA/HCS status : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture : Not classified.

GHS label elements

Signal word : None

Hazard statements : No known significant effects or critical hazards.

Precautionary statements

General : Read label before use. If medical advice is needed, have product container or label at hand.
Prevention : Not applicable.
Response : Not applicable.

1000266818-04 | Released - 12/04/2015 by , Workflow

Storage	:	Not applicable.
Disposal	:	Not applicable.
Supplemental label elements	:	None known.
Hazards not otherwise classified	:	None known.

Section 3. Composition/information on ingredients

Substance/mixture	:	Mixture
Chemical name	:	Not available.
Other means of identification	:	Not available.

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

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

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

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	:	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	:	No known significant effects or critical hazards.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	:	No known significant effects or critical hazards.
Ingestion	:	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	:	No specific data.
Inhalation	:	No specific data.

Skin contact	:	No specific data.
Ingestion	:	No specific data.

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

Notes to physician	:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	:	No specific treatment.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	:	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	:	None known.
Specific hazards arising from the chemical	:	No specific fire or explosion hazard.
Hazardous thermal decomposition products	:	No specific data.
Special protective actions for fire-fighters	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
For emergency responders	:	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil

or air).

Methods and materials for containment and cleaning up

Spill	:	Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures	:	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	:	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Occupational exposure limits

None.

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

Individual protection measures

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

showers are close to the workstation location.

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

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

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

Respiratory protection : Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

Appearance

Physical state : solid

Color : Not available.

Odor : Not available.

Odor threshold : Not available.

pH : Not applicable.

Melting point : Not available.

Boiling point : Not available.

Flash point : Not available.

Evaporation rate : Not available.

Flammability (solid, gas) : Not available.

Lower and upper explosive (flammable) limits : **Lower:** Not available. **Upper:** Not available.

Vapor pressure : Not available.

Vapor density : Not available.

Relative density : Not available.

Solubility : Not available.

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

Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
Viscosity	:	**Dynamic:** Not available. **Kinematic:** Not available.

Section 10. Stability and reactivity

Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	The product is stable.
Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	:	No specific data.
Incompatible materials	:	No specific data.
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
	LD50 Oral	Rat	> 5,000 mg/kg	-
	LC50 Inhalation	Rat	> 5 mg/l	4 h
	LD50 Dermal	Rat	> 5,000 mg/kg	-

Conclusion/Summary : No known significant effects or critical hazards.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
	Eyes - Redness of the conjunctivae	Rabbit	1.0		-
	Skin - Erythema/Eschar	Rabbit	1.0		-

Conclusion/Summary

Skin	:	Non-irritating
Eyes	:	May cause eye irritation.
Respiratory	:	May cause respiratory irritation

Sensitization

Product/ingredient name	Route of exposure	Species	Result
	Skin	Guinea pig	Not sensitizing

Conclusion/Summary
Skin : Not sensitizing - based on the individual components.
Respiratory : Not sensitizing - based on the individual components.

Mutagenicity

Conclusion/Summary : No known significant effects or critical hazards.

Carcinogenicity

Conclusion/Summary : No known significant effects or critical hazards.

Reproductive toxicity

Conclusion/Summary : No known significant effects or critical hazards.

Teratogenicity

Conclusion/Summary : No known significant effects or critical hazards.

Specific target organ toxicity (single exposure)

Specific target organ toxicity (repeated exposure)
Aspiration hazard

Information on the likely routes of exposure : Not available.

Potential chronic health effects

Conclusion/Summary : No known significant effects or critical hazards.

General : No known significant effects or critical hazards.
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.

Section 12. Ecological information

Toxicity

Conclusion/Summary : Not available.

Persistence and degradability

Conclusion/Summary : No known significant effects or critical hazards.

Mobility in soil

Soil/water partition coefficient (KOC) : Not available.

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

Section 13. Disposal considerations

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

Section 14. Transport information

Regulatory information	UN no.	Proper shipping name	Class	PG*	Note
DOT		Not Regulated			
IATA (C)		Not Regulated			
IATA (P)					
IMDG		Not Regulated			
TDG		Not Regulated			

PG* : Packing group

Section 15. Regulatory information

Precautionary statements

Signal word : No signal word.

Emergency Overview : No harmful effects expected.

U.S. Federal regulations : **United States inventory (TSCA 8b):**

All components are listed or exempted.

State regulations

California Prop. 65
Not available.

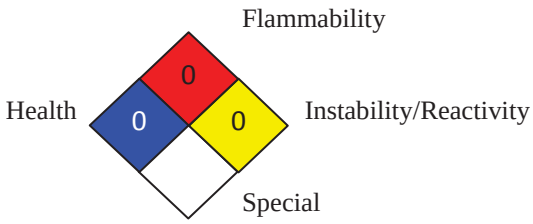
International lists

National inventory

Australia	:	At least one component is not listed.
Canada	:	At least one component is not listed.
China	:	At least one component is not listed.
Europe	:	At least one component is not listed.
Japan	:	At least one component is not listed.
Malaysia	:	Not determined.
New Zealand	:	At least one component is not listed.
Philippines	:	At least one component is not listed.
Republic of Korea	:	At least one component is not listed.
Taiwan	:	Not determined.

Section 16. Other information

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



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

Procedure used to derive the classification

Classification	Justification

Not classified.	

History

Date of issue/Date of revision	**:**	Validity date***.
Version	**:**	1.3

Notice to reader

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

GREAT STUFF™ GAPS & CRACKS Insulating Foam Sealant

CRACK DOWN ON ENERGY LOSS. IMPROVE COMFORT.

The average home has a half mile of gaps and cracks[1] where air and moisture can enter. Air sealing and insulating projects around the home can typically save homeowners up to 30% on home energy costs, according to the Residential Energy Services Network (RESNET).

Seal out energy loss and improve comfort with GREAT STUFF™ Gaps & Cracks Insulating Foam Sealant.[2]

Reduces air leaks and energy costs.

GREAT STUFF™ Gaps & Cracks Insulating Foam Sealant is a ready-to-use, minimal expansion polyurethane insulating foam sealant that fills, seals and insulates gaps up to 1 inch. This specially formulated sealant:

- expands to take the shape of gaps, creating a long-lasting, airtight and water-resistant seal
- helps improve energy efficiency by forming an airtight seal in gaps and cracks
- is a simple way to minimize unwanted air flow and reduce condensation

GREAT STUFF™ Gaps & Cracks is a polyurethane foam gap/crack filler for use all around the home.

Features and benefits at a glance

- Fills, seals and insulates gaps up to 1 inch
- Ready-to-use (straw applicator)
- Forms a long-lasting weathertight seal to minimize drafts
- Forms airtight, water-resistant seal
- All-direction dispensing
- Interior/exterior use[3]
- Adheres to wood, metal, masonry, glass and most plastics
- Tack free in 10–15 minutes[4]; Trims in one hour
- Cures rigid
- Paintable, stainable and sandable
- Cream colored foam
- UL Classified
- CCMC 13074-L

[1] Source: www.energystar.gov
[2] Read all instructions and (Material) Safety Data Sheet ((M)SDS) carefully before use.
[3] Skin of cured foam can discolor if exposed to natural light. Paint or coat foam for best results.
[4] 70 ± 5°F and 50 ± 5 % RH, 1 inch bead diameter, 6 inch length.
Cure rate is dependent on temperature, humidity, and size of foam bead.

Where to Use GREAT STUFF™ Gaps & Cracks

Use GREAT STUFF™ Gaps & Cracks Insulating Foam Sealant to seal and insulate around common areas of energy loss such as rim joist/sill plate, outdoor fixtures, pipe penetrations, attic and more.

Rim joist/Sill plate

Attic penetrations

Dryer vents

Pipe penetrations

Rim joist

GREAT STUFF™ Gaps & Cracks Insulating Foam Sealant is Cost Effective

- One 12 oz. can = up to 22 tubes of caulk (= 7 quarts of caulk) †

†Calculated caulk equivalence based on estimated yields using ASTM C1536-3 Yield Results.

Greatness comes in many forms

Did you know that the average home has a 1/2 mile of gaps and cracks?** Seal them all with GREAT STUFF™.

Each GREAT STUFF™ Insulating Foam Sealant* is specially formulated to seal gaps, cracks and holes to block air, moisture and even pests. Our comprehensive line of ready-to-use sealants is a simple, inexpensive money-saving solution for any do-it-yourself homeowner.

- **GREAT STUFF™ Gaps & Cracks*** — Foam sealant that expands to seal and insulate gaps up to one inch.
- **GREAT STUFF™ Window & Door*** — Minimally expanding foam that seals between a window or door and its rough opening.
- **GREAT STUFF™ Fireblock*** — Impedes spread of fire and smoke through service penetrations.***
- **GREAT STUFF™ Big Gap Filler*** — Foam sealant that expands to seal and insulate gaps up to three inches.
- **GREAT STUFF™ Pestblock*** — Blocks pests out of the home by eliminating points of entry.

In the United States
The Dow Chemical Company
Dow Building Solutions
200 Larkin Center
Midland, MI 48674

For Technical Information:
1-866-583-BLUE (2583)

For Sales Information:
1-800-232-2436 (English)

dowgreatstuff.com
dowbuildingsolutions.com

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Dow Polyurethane Foam Insulation and Sealants

CAUTION: When cured, these products are combustible and will burn if exposed to open flame or sparks from high-energy sources. Do not expose to temperatures above 240°F (116°C). For more information, consult (Material) Safety Data Sheets ((M)SDS), call Dow at 1-866-583-BLUE (2583) or contact your local building inspector. In an emergency, call 1-989-636-4400 in the U.S. or 1-519-339-3711 in Canada. When air sealing buildings, ensure that combustion appliances, such as furnaces, water heaters, wood burning stoves, gas stoves and gas dryers are properly vented to the outside. See website: http://www.epa.gov/iaq/homes/hip-ventilation.html. In Canada visit: http://archive.nrc-cnrc.gc.ca/eng/ibp/irc/bsi/83-house-ventilation.html.

GREAT STUFF™ sealant and adhesive products contain isocyanate and a flammable blowing agent. Read all instructions and (M)SDS carefully before use. Eliminate all sources of ignition before use. Cover all skin. Wear long sleeves, gloves, and safety glasses or goggles. Provide adequate ventilation or wear proper respiratory protection. Contents under pressure. Not to be used for filling closed cavities or voids such as between walls and under tub surrounds.

Building and/or construction practices unrelated to building materials could greatly affect moisture and the potential for mold formation. No material supplier including Dow can give assurance that mold will not develop in any specific system.

* Read all instructions and (Material) Safety Data Sheet ((M)SDS carefully before use.
** www.energystar.gov
***Intended for use in residential application to maintain the continuity of an approved fire block material.

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Printed in the U.S.A.

Form No. 179-15217-0415 CDP

ADVANCED POLYMER CONCRETE CRACK SEALANT

PRODUCT NO. 8620-17

DIVISION 7

Joint Sealant
07 92 00

PRODUCT DESCRIPTION

QUIKRETE® Advanced Polymer Concrete Crack Sealant is a superior, textured, one-component, permanently flexible, multipurpose sealant.

PRODUCT USE

QUIKRETE® Advanced Polymer Concrete Crack Sealant is a non-shrink weather-resistant, high performance advanced polymer sealant formulated to fill cracks and joints in concrete, in interior or exterior areas up to 1 inch (25.4 mm) in width. QUIKRETE® Advanced Polymer Concrete Crack Sealant is UV resistant and adheres to concrete, brick, masonry, wood, glass, vinyl, and most plastics. QUIKRETE® Advanced Polymer Concrete Crack Sealant is ready-to-use and cures upon contact with the moisture in the air to form a durable flexible seal.

QUIKRETE® Advanced Polymer Concrete Crack Sealant may be used for:

- Sealing & Waterproofing horizontal or vertical control joints or expansion joints in sidewalks, driveways, industrial floors, parking decks, etc.
- Environmentally friendly – solvent & isocyanate-free

SIZES

QUIKRETE® Advanced Polymer Concrete Crack Sealant is available in gray 10 oz (295 mL) tubes.

YIELD

10 oz (295 mL) tube will fill approximately 12 linear feet (3.6 m) in 1/2 in (13 mm) wide by 1/4 in (6.3 mm) deep joint .

TECHNICAL DATA

QUIKRETE® Advanced Polymer Concrete Crack Sealant meets performance requirements of ASTM C 920, Type S, Grade NS, Class 25, Use T, NT, A, G, and M; Federal Specification TT-S-0230C, Type II, Class A; CSA CAN/CGSB 19.13-M87. Meets VOC requirements in all regions.

QUIKRETE® Advanced Polymer Concrete Crack Sealant, when tested in accordance with standard procedures, provides typical results as listed in Table 1.

TABLE 1 TYPICAL PHYSICAL PROPERTIES

Tack-Free Time at 77°F (25°C), 50% RH	60 minutes
Cure Rate at 77°F (25°C) , 50% RH	¼ in (6.3 mm) at 24 hours
Dynamic Joint Movement	+/- 25%
Durometer Hardness, Shore A	35 to 45
Ultimate Tensile Strength	225 psi (1.5 MPa)
Elongation	250 to 350%

INSTALLATION

NOTE: *It is recommended that impervious gloves – such as nitrile be worn during application. QUIKRETE® Advanced Polymer Concrete Crack Sealant is difficult to remove from skin and clothing. If sealant gets on skin, immediately wipe off with a dry cloth. Use only in well-ventilated, exterior areas. Before handling read Safety Data Sheet at www.quikrete.com.*

APPLICATION

SURFACE PREPARATION

The key to long-term sealant performance is proper substrate preparation. The substrate must be clean, frost free, sound and free of any oils, greases, or incompatible sealers, paints or coatings that may interfere with adhesion and good joint performance.

Porous surfaces should be cleaned of dirt, dust, loose debris and other potential bond breakers. Mechanical methods, such as wire brushes, grinders, etc. may be required to remove surface

contamination, debris and failed sealants such as in re-caulking applications. Make sure to wear proper personal protection equipment when sanding or grinding.

JOINT DESIGN
A thin bead of sealant will accommodate more movement than a thick bead. Working joint depths should never exceed ½ in (13 mm) or be thinner than 1/4 in (6.3 mm) For best results, the ratio of joint width to depth should be 2 to 1. Joints should be designed or cut to work well within the movement capability of the sealant allowing for erection and installation tolerances, time of year of installation and sealant movement capability. QUIKRETE® Backer Rod (No. 6917) should be used depending on application, to prevent three sided adhesion and to prevent joint depths from exceeding ½ in (13 mm). If joint depth does not allow for backer rod installation, use polyethylene bond breaker tape.

METHOD OF APPLICATION
Avoid applying sealants below 40 °F (4 °C) unless following specific instructions for cold weather caulking. Also avoid applying sealants in ambient conditions where threat of rain is imminent. If ambient temperatures exceed 85 °F (29 °C) and particularly when substrates will be exposed to direct sunlight, check surface temperatures to be sure they don't exceed the maximum application temperature of 95 °F (35 °C). Mask adjacent surfaces to be sealed if necessary to ensure neat sealant lines and minimize clean up. Avoid placing masking in areas to be sealed. Remove masking immediately after placing sealant. Remove nozzle by twisting counterclockwise. Cut the tip of the tube without removing any of the threads for the nozzle. Reattach the nozzle and cut the tip of the nozzle to the desired size. Using a caulk gun, dispense sealant with the nozzle near the bottom of the joint to avoid trapping air during placement.

VOC Content
14 g/L

CLEAN UP

Remove from skin or tools immediately.
Cured material is very difficult to remove. May use rubbing alcohol cautiously on skin. Uncured material can be removed from tools and surfaces with solvents such as alcohol, citrus removers or nail polish remover. Employ solvents cautiously; solvents are flammable; follow with soap and water as appropriate. Cured material may be removed mechanically. Avoid contact with strong acids and oxidizers.

CURING
Allow sealant to cure for a minimum of 2 hours before painting with a water-based latex paint and to cure for a minimum of 3 days before exposing to traffic. Allow 7 days to cure for temporary water immersion applications. Typical full cure in 3 to 7 days. Low humidity, cooler temperatures, and non-porous substrates will lengthen these times.

PRECAUTIONS

WEAR IMPERVIOUS GLOVES, such as nitrile, and eye protection.
Service Temperature: -90 °F (-68 °C) to 425 °F (218 °C)
Application Temperature: 40 °F (4 °C) to 95 °F (35 °C)
Storage Temperature: 40 °F (4 °C) to 75 °F (24 °C)
Do not apply over silicones or other existing sealants. Do not apply to frozen surfaces. Avoid contact with alcohol and solvents during cure. Avoid contact with strong acids and alkalis. Avoid joints that are too deep. Joints between non-porous substrates require slightly longer cure-through time depending on surface area. Do not apply if rain is expected before sealant has partially cured. Wash skin and hands after use. Not recommended for aquariums and marine applications. Read SDS @ www.quikrete.com.

WARRANTY

NOTICE: Obtain the applicable LIMITED WARRANTY: at www.quikrete.com/product-warranty or send a written request to The Quikrete Companies, LLC, Five Concourse Parkway, Atlanta, GA 30328, USA. Manufactured under the authority of The Quikrete Companies, LLC. © 2018 Quikrete International, Inc.

** Refer to www.quikrete.com for the most current technical data and SDS*

Revised 20 July 2018

BUILDING TRUST

PRODUCT DATA SHEET

Sikaflex® + Self Leveling Sealant

High performance, self-leveling, 1-part polyurethane sealant

PRODUCT DESCRIPTION

Sikaflex® + Self Leveling Sealant is a single component, self-leveling, premium-grade polyurethane sealant with an accelerated curing capacity. Meets Federal Specification TT-S-00230C, Type 1, Class A. Meets ASTM C-920, Type S, Grade P, Class 25.

USES

Sikaflex® + Self Leveling Sealant is used to seal horizontal expansion joints in concrete and cementitious slabs such as:

- Driveways
- Garages
- Sidewalks
- Balconies
- Pavements
- Terraces
- Warehouses
- Factories
- Civil Structures
- Plazas

CHARACTERISTICS / ADVANTAGES

- 1-component, no mixing
- Self-leveling, pourable
- Accelerated curing
- Permanently elastic
- High durability
- Resists aging, weathering
- Excellent adhesion
- Convenient, easy-to-use packaging
- Paintable with water-based, oil-based or rubber-based paints
- Can be applied to green/new concrete 24 hours after cure
- Can be applied on concrete that has been wet 1 hour after water source has stopped

PRODUCT INFORMATION

Packaging	10.1 fl. oz. (299 ml) moisture proof composite cartridge, 12/case 29 fl. oz. (858 ml) moisture-proof composite cartridges, 12/case
Color	Gray in 10.1 fl. oz. (299 ml) and 29 fl. oz. (858 ml) cartridges. Sandstone in only 29 fl. oz. (858 ml) cartridge
Shelf Life	12 months in original, unopened containers
Storage Conditions	Store at 40 to 95 °F (4 to 35 °C). Condition material to 65 to 75 °F (18 to 24 °C) before using

TECHNICAL INFORMATION

Testing	40 ±5 (21 days)	(ASTM D-2240) Tested at: 73 °F (23 °C) 50 % R.H.
Tensile Strength	150 psi (1 MPa) (21 days)	(ASTM D-412) Tested at: 73 °F (23 °C) 50 % R.H.
Tensile stress at specified elongation	110 psi at 100% (0.7 MPa) (21 days)	(ASTM D-412) Tested at: 73 °F (23 °C) 50 % R.H.
Elastic Recovery	> 90 %	
Elongation at Break	450 % (21 days)	(ASTM D-412) Tested at: 73 °F (23 °C) 50 % R.H.

Adhesion in peel	Substrate: Concrete	Peel Strength: > 28 pli	Adhesion Loss: 0 % Adhesion Loss	(ASTM C-794) Tested at: 73 °F (23 °C) 50 % R.H.

Movement Capability	± 25 %
Service Temperature	-40 to 170 °F (-40 to 76°C)

APPLICATION INFORMATION

Coverage

10.1 oz (299 ml) Cartridge: Yield in Linear Feet

Width	1/4" Depth	3/8" Depth	1/2" Depth
1/4"	24.3		
3/8"	16.2	10.8	
1/2"	12.1	8.1	6.1
3/4"	8.1	5.4	4.0
1"			3.0
1-1/4"			2.4
1-1/2"			2.0

29 oz (858 ml) Cartridge: Yield in Linear Feet

Width	1/4" Depth	3/8" Depth	1/2" Depth
1/4"	69.8		
3/8"	46.5	31.0	
1/2"	34.9	23.3	17.4
3/4"	23.2	15.5	11.6
1"			8.7
1-1/4"			7.0
1-1/2"			5.8

Ambient Air Temperature	40 to 100 °F (4 to 38 °C). Sealant should be installed when joint is at midrange of its anticipated movement
Substrate Temperature	40 to 100 °F (4 to 38 °C). Sealant should be installed when joint is at midrange of its anticipated movement
Cure Time	Final Cure: 3 to 5 days
Tack Free Time	1 to 2 hours

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

LIMITATIONS

- Allow 1 week cure at standard conditions when using Sikaflex® + Self Leveling Sealant in total water immersion and prior to painting.
- Maximum exposure level of chlorine is 5 ppm.
- In joints subject to movement - maximum depth of sealant must not exceed 1/2 in. (12.7 mm); minimum depth is 1/4 in. (6.3 mm).
- Minimum depth of sealant for horizontal joints subject to traffic is 1/2 in. (12.7 mm).
- Maximum expansion and contraction should not exceed 25 % of average joint width.
- Do not cure in the presence of curing silicone sealants.
- Avoid contact with alcohol and other solvent cleaners during cure.
- When using on green/new concrete, concrete must be good quality and strength, sealing poor or low strength concrete 24 hours after may impact the ability of the sealant to gain proper adhesion.
- On wet concrete, water source must be stopped 1 hour before application and concrete must be free of standing water.
- Do not apply when moisture-vapor-transmission condition exists from the substrate as this can cause bubbling within the sealant.
- Use opened cartridges the same day.
- To avoid bubbling, do not apply when ambient air and substrate temperatures exceed 100o F (38o C). In extreme summertime conditions, preferably install sealant when ambient air and substrate temperatures are falling.
- The ultimate performance of Sikaflex® + Self Leveling Sealant depends on good joint design and proper application with joint surfaces properly prepared.
- Do not use in contact with bituminous / asphaltic materials.
- When overcoating with water-based, oil-based or rubber-based paints, compatibility and adhesion testing of mock-up installations is essential.
- Do not use paints which are silicone based or have a high solvent content. Avoid solvent-based and alcohol-based primers, stains, sealers and coatings.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must

read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Clean all surfaces. Joint walls must be sound, clean, dry, frost-free, and free of oil and grease. Curing compound residues and any other foreign matter must be thoroughly removed. Install bond breaker tape or backer rod to prevent bond at base of joint.

Priming is not usually necessary. Substrates only require priming if testing indicates a need. **Consult Sikaflex Primer Technical Data Sheet** or Technical Service for additional information on priming.

APPLICATION METHOD / TOOLS

Recommended application temperatures: 40 to 100 °F (4 to 38 °C). Condition sealant to 65 to 75 °F (18 to 38 °C) before using. Cut plastic tip to desired size and puncture airtight seal at base of tip. **NOT FOR SLOPED SURFACES.** Maximum sealant depth is 1/2 in. (12.7 mm) and width is 1–1/2 in. (38.1 mm). Minimum depth is 1/4 in. (6.3 mm) and width is 1/4 in. (6.3 mm). Pour sealant into joint slot in one direction and allow sealant to flow and level out as necessary. Tool as required, although minimum tooling is necessary. Proper joint design is 2:1 width to depth ratio. Always use bond breaker tape or closed cell backer rod for support on horizontal joints. For green/new concrete application, 24 hours after concrete has cured. Concrete must be of good quality and strength. Note: Curing will vary depending on temperature and humidity.

- In formed joints, forms must be removed 6 hours before applying sealant.
- In control joints, concrete must be cut 8 hours before applying sealant.

For wet concrete application, water source must be stopped 1 hour before application and concrete must be free of standing water.

Uncured material can be removed with approved solvent. Cured material can only be removed mechanically. For spillage, collect, absorb, and dispose of in accordance with current, applicable local, state, and federal regulations.

OTHER RESTRICTIONS

See Legal Disclaimer.

LEGAL DISCLAIMER

- **KEEP CONTAINER TIGHTLY CLOSED**
- **KEEP OUT OF REACH OF CHILDREN**
- **NOT FOR INTERNAL CONSUMPTION**
- **FOR INDUSTRIAL USE ONLY**
- **FOR PROFESSIONAL USE ONLY**

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates (“SIKA”), the user must always read and follow the warnings and instructions on the product’s most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA’s Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product’s shelf life. User determines suitability of product for intended use and assumes all risks. User’s and/or buyer’s sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at https://usa.sika.com/en/about-us/terms-conditions-of-sale.html or by calling 1-800-933-7452.

Sika Corporation
201 Polito Avenue
Lyndhurst, NJ 07071
Phone: +1-800-933-7452
Fax: +1-201-933-6225
usa.sika.com

CLEANERS

ZEP CONCENTRATED DRIVEWAY AND CONCRETE CLEANER AND DEGREASER – REMOVES GREASE AND OIL STAINS - 1 GALLON

36 reviews

What Real Customers Say

"Been using Zep products for years. Great quality!"

Joe K.- verified buyer

SKU #ZUCON128

$59.92

Pay in 4 interest-free installments of **$14.98** with shop Pay Learn more

One-time $59.92

Save up to 5%

Subscribe & save ~~$59.92~~ $56.92

Size

CASE OF 4 | 2

Quantity: − 1 +

ADD TO CART

ABOUT THE PRODUCT

Zep Concentrated Driveway and Concrete Cleaner and Degreaser is a powerful solution designed to tackle tough oil, grease, and grime. This versatile concrete cleaner works effectively on concrete, asphalt driveways, pavers, and garage floors. It penetrates deep into surfaces to lift stubborn dirt and residues. Perfect for both residential and commercial use, it leaves your concrete looking clean and revitalized.

- Versatile Use: Effective on concrete, brick, masonry, asphalt driveways, quarry tile walkways, and slabs for comprehensive cleaning.
- Powerful Formula: Designed to lift tough oil, grease, and grime stains, providing a professional-grade clean
- Construction-Grade Degreaser: Trusted by pros to tackle oil and grease stains on driveways, sidewalks, and patios.
- Concentrated Formula: Provides powerful cleaning results while being highly economical, producing up to 20 gallons of cleaner
- Concrete Cleaner: Specialized formula for cleaning driveways and sidewalks, enhancing their appearance

INSTRUCTIONS

This concentrated product must be diluted as directed prior to use. Dilution Ratios: Light Soils: Mix 6 oz. cleaner per gallon of water. Heavy Soils:

Mix 12 oz. cleaner per gallon of water. Directions: Test the product for surface compatibility in an inconspicuous area, rinse, and allow to dry before proceeding. Saturate plants, shrubs, and grass around cleaning area with water before, during, and after cleaning. 1. Dilute the product according to ratios. 2. Apply with a mop or pump sprayer. Scrub in with a deck brush or floor scrubbing machine. 3. Do not allow contact time of more than 10 minutes to prevent damage. Do not allow it to dry. 4. Rinse thoroughly using a mop, hose, or pressure washer. For heavy rust stains or mineral deposits, a second application may be needed.

For Ingredient Disclosures and SDS Information *Click Here*

SHIPPING

SDS

FAQ

Have some questions? Why not take a look at some of the most frequently asked questions below to see if we have your answer.

Do I Have To Be A Business To Order From This Site?

How Long Does It Take Until My Order Ships?

Appendix J – Change Approvals

From:	McKeever, Kevin
To:	Nicole Lindner
Cc:	Dyber, Jeffrey (DEC); Whelan, Vincent; Owen Ogiony; Staples, Charles; Norvelle, Adam; Stelmack, Mark
Subject:	RE: NYSDEC/Carriage Cleaners - Scheduled Field Work
Date:	Thursday, May 8, 2025 1:48:23 PM
Attachments:	image002.png

Stop – Look – Think – Decide: This e-mail came from outside of GES. Adhere to the guidelines of our ongoing GES cybersecurity awareness and training presentations. Be Aware – Be Smart

Nicole,

EEEG recommends waiving the Proctor test.

Thanks,

Kev

Kevin J. McKeever
Vice President Environmental Engineering
PE, PG

T +1 610-828-8100
M +1 215-808-3672

From: Nicole Lindner <NLindner@gesonline.com>
Sent: Thursday, May 8, 2025 12:27 PM
To: McKeever, Kevin <kevin.mckeever@wsp.com>
Cc: Dyber, Jeffrey (DEC) <jeffrey.dyber@dec.ny.gov>; Whelan, Vincent <vincent.whelan@wsp.com>; Owen Ogiony <oogiony@gesonline.com>; Staples, Charles <charles.staples@wsp.com>; Norvelle, Adam <adam.norvelle@wsp.com>; Stelmack, Mark <mark.stelmack@wsp.com>
Subject: RE: NYSDEC/Carriage Cleaners - Scheduled Field Work

Kevin

Regarding the proctor test, are you asking that we do the test the day of pick up? In our experience, we have conducted these test; however the results would not be same day. We are concerned this may cause a delay. Can you confirm that you are requiring GES to arrange this, and that you are either OK with GES getting results a few days after the material is backfilled, or that you require us to have this sampled a few days ahead of pick up from the quarry that is anticipated to be used by Matrix for this material. We just want to make sure this is necessary before starting coordination with a lab.

Once this is clear, we will start coordinating for this sample.

Best,

Nicole A. Lindner
Project Manager

Office: 800.287.7857 ext. 4342
Mobile: 954.551.7218
Nlindner@GESonline.com

Plan for Safety, Plan for Success

From: McKeever, Kevin <kevin.mckeever@wsp.com>
Sent: Thursday, May 8, 2025 11:47 AM
To: Nicole Lindner <NLindner@gesonline.com>
Cc: Dyber, Jeffrey (DEC) <jeffrey.dyber@dec.ny.gov>; Whelan, Vincent <vincent.whelan@wsp.com>; Owen Ogiony <oogiony@gesonline.com>; Staples, Charles <charles.staples@wsp.com>; Norvelle, Adam <adam.norvelle@wsp.com>; Stelmack, Mark <mark.stelmack@wsp.com>
Subject: RE: NYSDEC/Carriage Cleaners - Scheduled Field Work

Stop – Look – Think – Decide: This e-mail came from outside of GES. Adhere to the guidelines of our ongoing GES cybersecurity awareness and training presentations. Be Aware – Be Smart

Nicole,

Below are EEEG responses to your emails from yesterday and this morning. Contact us with any questions.

EEEG Response to GES 05/07/25 Email

- Matrix requested a proctor for the DGA (1" crusher run) from Dolomite and any spec sheets that can be provided for the flowable fill. The flowable fill can be made to order and the NYSDOT spec allows for varying amounts of aggregate, fly ash, and chemical admixtures at the contractor's discretion. Is there a particular mixture you would like? There is no particular mixture EEEG prefers, and our approved work plan allows for contractor/supplier discretion.

- Matrix intended to order screened topsoil from a local landscaper (Greentech) due to the low volume required; however, there is no soil testing or spec sheets for that material. Is this going to be a problem? Our work plan does not include soil testing or a specification. On a larger NYSDEC remediation project EEEG would typically require a lot of testing (see Subsections 1.4 and 2.1 in the attached spec as an example), but this would be overkill for the small amount of topsoil to be used on this project. EEEG recommends waiving testing and rely on local supplier regarding the topsoil quality.

- EEEG approves the pdf attachments provided by GES associated with flowable fill composition and grass seed data sheet. Re-attached in this email.

EEEG Response to GES 05/08/25 Email

- This came in from Matrix's supplier yesterday evening:
  "We don't have specific proctor information as those tests need to be done by a third party at the respective quarry on or about the time of stone pickup to reflect current stone conditions i.e. moisture content and which quarry it is coming from. In general limestone crusher run density runs 142 +/- 2 pcf at 6-8% moisture."
  Please advise if this information is acceptable to approve the crusher run they plan to utilize for the EW-1 well abandonment. A Proctor test to determine optimum moisture content and density can be done on or about the time of stone pickup.

Thanks,

Kev

Kevin J. McKeever
Vice President Environmental Engineering
PE, PG

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From: Nicole Lindner <NLindner@gesonline.com>
Sent: Wednesday, May 7, 2025 12:14 PM
To: McKeever, Kevin <kevin.mckeever@wsp.com>
Cc: Dyber, Jeffrey (DEC) <jeffrey.dyber@dec.ny.gov>; Whelan, Vincent <vincent.whelan@wsp.com>; Owen Ogiony <oogiony@gesonline.com>; Staples, Charles <charles.staples@wsp.com>; Norvelle, Adam <adam.norvelle@wsp.com>
Subject: RE: NYSDEC/Carriage Cleaners - Scheduled Field Work

Kevin,

I just received the spec for some of the materials that Matrix is planning to use. Please see attached for your review and approval. Also, please see below:

- Matrix requested a proctor for the DGA (1" crusher run) from Dolomite and any spec sheets that can be provided for the flowable fill. The flowable fill can be made to order and the NYSDOT spec allows for varying amounts of aggregate, fly ash, and chemical admixtures at the contractor's discretion. Is there a particular mixture you would like?
- Matrix intended to order screened topsoil from a local landscaper (Greentech) due to the low volume required; however, there is no soil testing or spec sheets for that material. Is this going to be a problem?

Lastly, to address your inquiries below, GES will inform when the UDigNY utility mark-out has been completed and the confined space entry plan and documentation will also be submitted as soon as GES has it I hand.

Best,

Nicole A. Lindner
Project Manager

Office: 800.287.7857 ext. 4342
Mobile: 954.551.7218
Nlindner@GESonline.com

Plan for Safety, Plan for Success

Nicole Lindner

From: McKeever, Kevin <kevin.mckeever@wsp.com>
Sent: Tuesday, May 27, 2025 2:00 PM
To: Owen Ogiony; Nicole Lindner
Cc: Dyber, Jeffrey (DEC); Whelan, Vincent; Staples, Charles; Norvelle, Adam
Subject: RE: NYSDEC/Carriage Cleaners - Scheduled Field Work

Stop – Look – Think – Decide: This e-mail came from outside of GES. Adhere to the guidelines of our ongoing GES cybersecurity awareness and training presentations. Be Aware – Be Smart

Owen,

EEEG approves of this field change.

Kevin J. McKeever
Vice President Environmental Engineering
PE, PG

T +1 610-828-8100
M +1 215-808-3672

From: Owen Ogiony <oogiony@gesonline.com>
Sent: Tuesday, May 27, 2025 1:59 PM
To: McKeever, Kevin <kevin.mckeever@wsp.com>; Nicole Lindner <NLindner@gesonline.com>
Cc: Dyber, Jeffrey (DEC) <jeffrey.dyber@dec.ny.gov>; Whelan, Vincent <vincent.whelan@wsp.com>; Staples, Charles <charles.staples@wsp.com>; Norvelle, Adam <adam.norvelle@wsp.com>
Subject: Re: NYSDEC/Carriage Cleaners - Scheduled Field Work

Kevin,

We're requesting to remove the concrete vault to 20" bgs instead of 24" bgs. The concrete is stronger and more difficult to remove than anticipated. The 20" bgs depth would allow us to stay on schedule.

Thanks,

Owen G. Ogiony
Associate Geologist

Mobile: 716.796.3827
oogiony@GESonline.com

NEW ADDRESS
Groundwater & Environmental Services, Inc.
6010 North Bailey Ave., Suite 1
Amherst, NY 14226

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From: McKeever, Kevin <kevin.mckeever@wsp.com>
Sent: Tuesday, May 27, 2025 10:00:19 AM
To: Owen Ogiony <oogiony@gesonline.com>; Nicole Lindner <NLindner@gesonline.com>
Cc: Dyber, Jeffrey (DEC) <jeffrey.dyber@dec.ny.gov>; Whelan, Vincent <vincent.whelan@wsp.com>; Staples, Charles <charles.staples@wsp.com>; Norvelle, Adam <adam.norvelle@wsp.com>
Subject: RE: NYSDEC/Carriage Cleaners - Scheduled Field Work

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Owen,

EEEG approves of the use of the Scott's topsoil.

Kevin J. McKeever
Vice President Environmental Engineering
PE, PG

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M +1 215-808-3672

From: Owen Ogiony <oogiony@gesonline.com>
Sent: Friday, May 23, 2025 4:22 PM
To: McKeever, Kevin <kevin.mckeever@wsp.com>; Nicole Lindner <NLindner@gesonline.com>
Cc: Dyber, Jeffrey (DEC) <jeffrey.dyber@dec.ny.gov>; Whelan, Vincent <vincent.whelan@wsp.com>; Staples, Charles <charles.staples@wsp.com>; Norvelle, Adam <adam.norvelle@wsp.com>
Subject: RE: NYSDEC/Carriage Cleaners - Scheduled Field Work

Kevin,

Matrix informed me that their topsoil provider may be unable to deliver topsoil in the event of heavy rain.

Matrix has a backup plan to use bagged topsoil in the event that their topsoil provider is unable to deliver. This will allow us to stay on schedule. I have attached the SDS and here is a link to the product: Scotts Premium Topsoil | Scotts

Thanks,

Owen G. Ogiony
Staff Geologist
Mobile: 716.796.3827
oogiony@GESonline.com

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Amherst, NY 14226

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Nicole Lindner

From: McKeever, Kevin <kevin.mckeever@wsp.com>
Sent: Tuesday, May 27, 2025 3:20 PM
To: Owen Ogiony; Nicole Lindner
Cc: Dyber, Jeffrey (DEC); Whelan, Vincent; Staples, Charles; Norvelle, Adam
Subject: RE: NYSDEC/Carriage Cleaners - Scheduled Field Work

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Owen,

I was just discussing this with Adma Norvelle who called me from the site. Based on the overpour of flowable fill, EEEG would recommend that GES/Matrix use 6 inches of DGA then 6 inches of topsoil followed by seed/straw to complete the restoration.

Thanks,

Kevin J. McKeever
Vice President Environmental Engineering
PE, PG

T +1 610-828-8100
M +1 215-808-3672

From: Owen Ogiony <oogiony@gesonline.com>
Sent: Tuesday, May 27, 2025 3:11 PM
To: McKeever, Kevin <kevin.mckeever@wsp.com>; Nicole Lindner <NLindner@gesonline.com>
Cc: Dyber, Jeffrey (DEC) <jeffrey.dyber@dec.ny.gov>; Whelan, Vincent <vincent.whelan@wsp.com>; Staples, Charles <charles.staples@wsp.com>; Norvelle, Adam <adam.norvelle@wsp.com>
Subject: Re: NYSDEC/Carriage Cleaners - Scheduled Field Work

Kevin,

The flowable fill was placed into the hole ended up at 12” bgs. It is expected to settle some, but it is likely it will not reach 20” bgs. In the event that it doesn’t, would it be ok to skip the DGA altogether? And simply backfill with topsoil only?

Thanks,

Owen G. Ogiony
Associate Geologist

Mobile: 716.796.3827
oogiony@GESonline.com

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From: McKeever, Kevin <kevin.mckeever@wsp.com>
Sent: Tuesday, May 27, 2025 1:59:53 PM
To: Owen Ogiony <oogiony@gesonline.com>; Nicole Lindner <NLindner@gesonline.com>
Cc: Dyber, Jeffrey (DEC) <jeffrey.dyber@dec.ny.gov>; Whelan, Vincent <vincent.whelan@wsp.com>; Staples, Charles <charles.staples@wsp.com>; Norvelle, Adam <adam.norvelle@wsp.com>
Subject: RE: NYSDEC/Carriage Cleaners - Scheduled Field Work

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Owen,

EEEG approves of this field change.

Kevin J. McKeever
Vice President Environmental Engineering
PE, PG

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From: Owen Ogiony <oogiony@gesonline.com>
Sent: Tuesday, May 27, 2025 1:59 PM
To: McKeever, Kevin <kevin.mckeever@wsp.com>; Nicole Lindner <NLindner@gesonline.com>
Cc: Dyber, Jeffrey (DEC) <jeffrey.dyber@dec.ny.gov>; Whelan, Vincent <vincent.whelan@wsp.com>; Staples, Charles <charles.staples@wsp.com>; Norvelle, Adam <adam.norvelle@wsp.com>
Subject: Re: NYSDEC/Carriage Cleaners - Scheduled Field Work

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Thanks,

Owen G. Ogiony
Associate Geologist
Mobile: 716.796.3827
oogiony@GESonline.com

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From: McKeever, Kevin <kevin.mckeever@wsp.com>
Sent: Tuesday, May 27, 2025 10:00:19 AM
To: Owen Ogiony <oogiony@gesonline.com>; Nicole Lindner <NLindner@gesonline.com>
Cc: Dyber, Jeffrey (DEC) <jeffrey.dyber@dec.ny.gov>; Whelan, Vincent <vincent.whelan@wsp.com>; Staples, Charles <charles.staples@wsp.com>; Norvelle, Adam <adam.norvelle@wsp.com>
Subject: RE: NYSDEC/Carriage Cleaners - Scheduled Field Work

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Owen,

EEEG approves of the use of the Scott's topsoil.

Kevin J. McKeever
Vice President Environmental Engineering
PE, PG

T +1 610-828-8100
M +1 215-808-3672

From: Owen Ogiony <oogiony@gesonline.com>
Sent: Friday, May 23, 2025 4:22 PM
To: McKeever, Kevin <kevin.mckeever@wsp.com>; Nicole Lindner <NLindner@gesonline.com>
Cc: Dyber, Jeffrey (DEC) <jeffrey.dyber@dec.ny.gov>; Whelan, Vincent <vincent.whelan@wsp.com>; Staples, Charles <charles.staples@wsp.com>; Norvelle, Adam <adam.norvelle@wsp.com>
Subject: RE: NYSDEC/Carriage Cleaners - Scheduled Field Work

Kevin,

Matrix informed me that their topsoil provider may be unable to deliver topsoil in the event of heavy rain.

Matrix has a backup plan to use bagged topsoil in the event that their topsoil provider is unable to deliver. This will allow us to stay on schedule. I have attached the SDS and here is a link to the product: Scotts Premium Topsoil | Scotts

Thanks,

Owen G. Ogiony
Staff Geologist
Mobile: 716.796.3827
oogiony@GESonline.com

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Amherst, NY 14226

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Appendix K – Waste Disposal Documents

AMERICAN RECYCLERS COMPANY
Waste Profile Report (WPR)

177 Wales Avenue Tonawanda, New York 14151 *Phone (716) 695-6720 Fax (716) 695-0161*	**APPROVAL NUMBER:** H-27198T **EXPIRATION DATE:** 8/14/2027 **HANDLING CODE:** T

Generator: NYSDEC Carriage Cleaners EPA ID #: NYD020651139

Address: 2101 Monroe Avenue Contact: Nicole Linder

City Brighton STATE: NY ZIP: 14618 Phone: 800-287-7857 Fax:

Waste Name: Waste Water	Shipping Name: Non RCRA Non DOT Regulated
Generating Process: Water removed from well vault during abandonment	Rate of Generation: Once
	Container Type: 55 Gal Steel 1A1

Composition of Waste	%	%
Waste Water	100 - 100	
**Analytical Supplied	-	

Phase	%
Solids	
Liquid	
Sludge	
Debris	

Is the material RCRA listed or Characteristicly Hazardous?	☐ YES	☒ NO
Does the material contain Medical or Biological Wastes?	☐ YES	☒ NO
Does the material contain etiological waste?	☐ YES	☒ NO
Does the material contain, or has it come in contact with PCB's?	☐ YES	☒ NO
Is the material radioactive?	☐ YES	☒ NO
Does the material contain septic or domestic sewage?	☐ YES	☒ NO
Is the material Non-Hazardous as defined by RCRA Title 40?	☒ YES	☐ NO

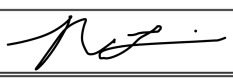
Check all below which apply:

Material is to be shipped and recycled as Universal Waste	☐ YES	☒ NO
Material is to be shipped and recycled under 6 NYCRR Part 371.1(g)(1)(ii)(b) *(ie Computer Equipment & monitors)*	☐ YES	☒ NO
Material is being shipped for disposal/recycle via facility transfer/consolidation permit	☒ YES	☐ NO
Material is a Labpack and all contents are CERTIFIED as Non-RCRA	☐ YES	☒ NO
List all Lab Pack Container Numbers: *(Attach packing slips to profile)*		

I certify that the above submitted information (including any attachments) is true, accurate and complete to the best of my knowledge and ability and that all known and suspected hazards have been disclosed. All material offered herein is deemed Non-RCRA.

Signer Title Project Manager

Company GES, Inc.

Signed:  **Print:** Nicole Lindner **Date:** 8/15/2025

ARC Presonel Reviewed and Approved by:

Approved by: **Print: Tom Martin** **Date:**

47298 Order #: 724381-01 (E)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
NYD020651139	1	800-807-7455	SUN-22381

GENERATOR

5. Generator's Name and Mailing Address
NYSDEC Carriage Cleaners
2101 Monroe Avenue
Brighton, NY 14618
Generator's Phone: 518-402-9706

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Sun Environmental Corp.
Ph#: 800-807-7455
State ID#: 7A-709
U.S. EPA ID Number: NYR000176958

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
American Recyclers, Inc.
177 Wales Avenue
Tonawanda, NY 14160
Facility's Phone: 716-695-6720
State ID#: NY-
U.S. EPA ID Number: NYR000030809

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	NONRCRA / NONDOT REGULATED MATERIAL (WASTE WATER) 27198	2	DM	450	P
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
01: (H-27198T) Waste water 2 drums 55 OH one over Pack
J005418 / PO075650 / SUN-22381

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: On behalf of NYSDEC Peter C. Lyon
Signature:
Month 08 Day 22 Year 25

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Adam Davies
Signature:
Month 8 Day 22 Year 25
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

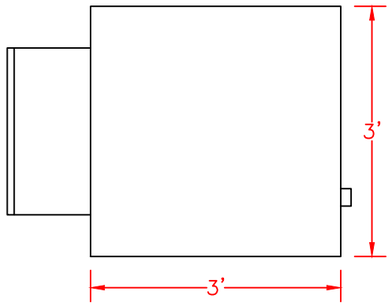
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

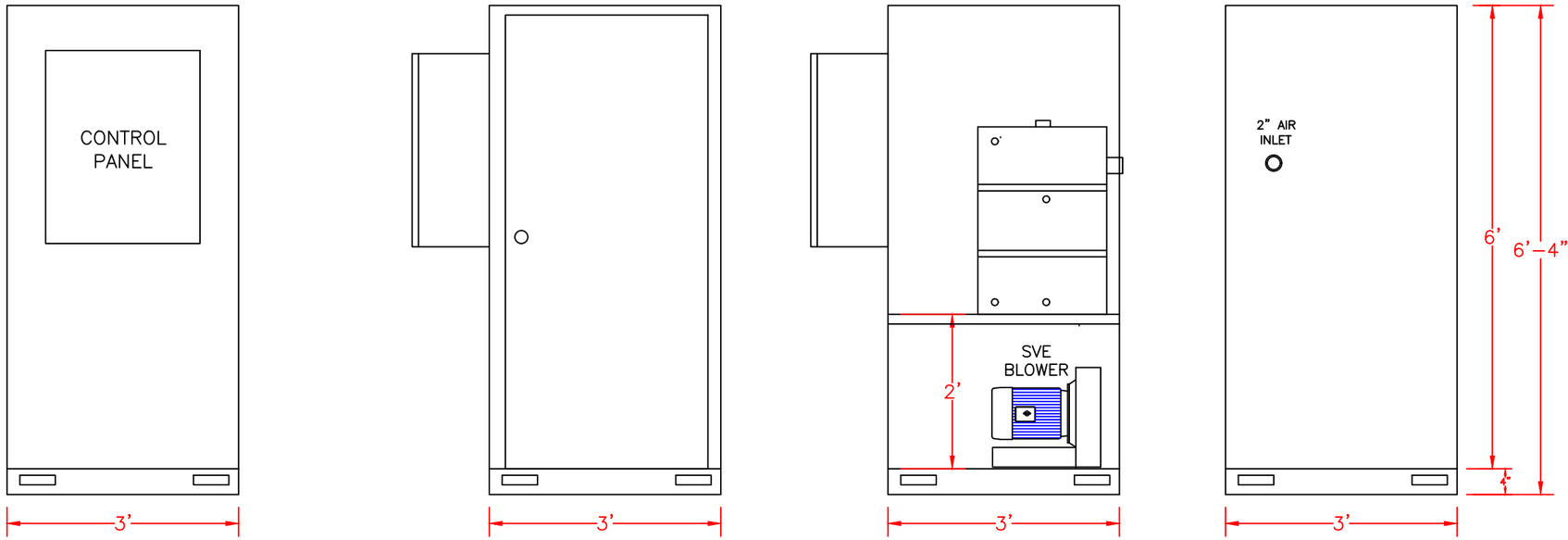
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Laura Mess
Signature:
Month 9 Day 22 Year 25

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

Appendix L – Installation Drawings, Manuals, and Equipment Warranties





APPROVAL SIGNATURE _____ DATE

SPECIALTY SYSTEMS INTEGRATORS
14150 23rd Avenue North, Plymouth, MN 55447
Tel: 763 450 2600 Fax: 763 450 2601 www.2ssi.com

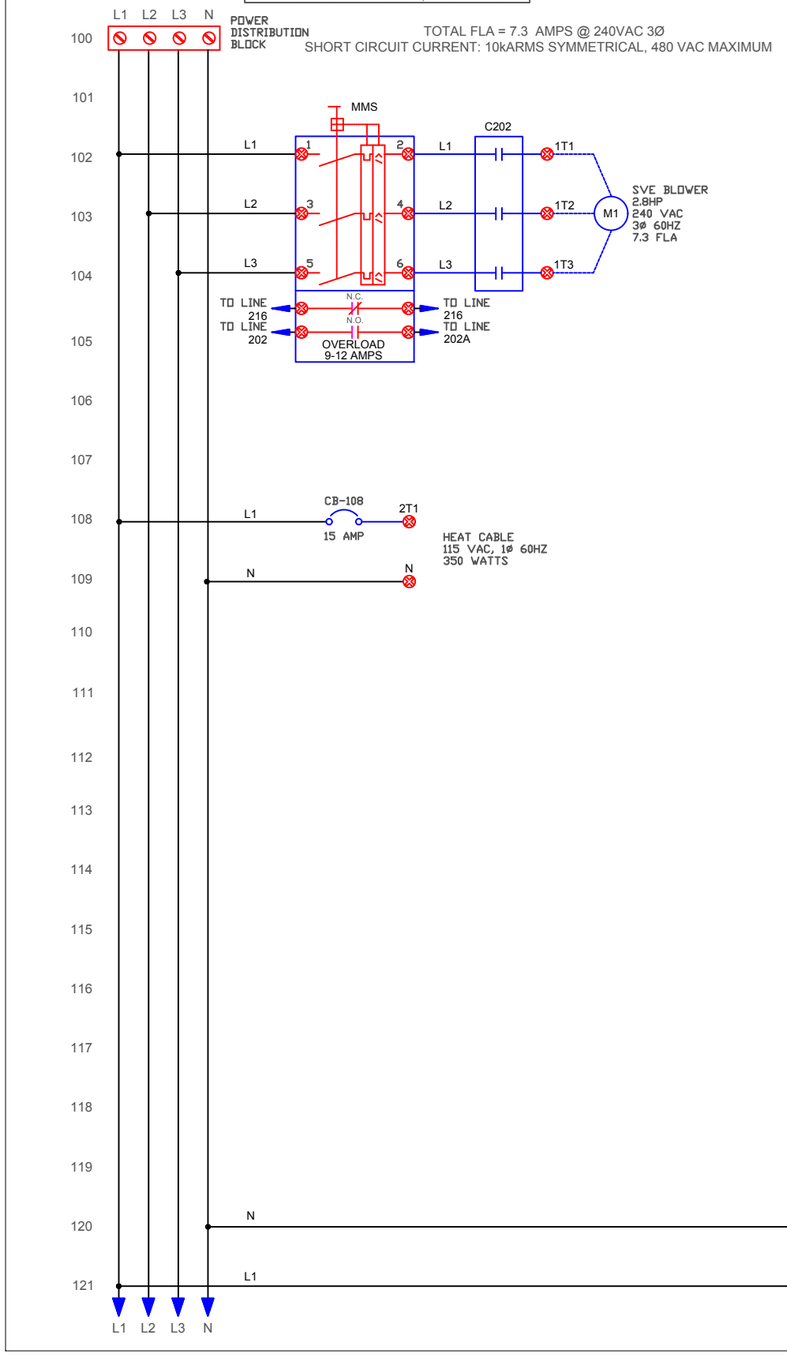
TITLE:
PLAN VIEW
GES
CARRIAGE CLEANERS SYSTEM

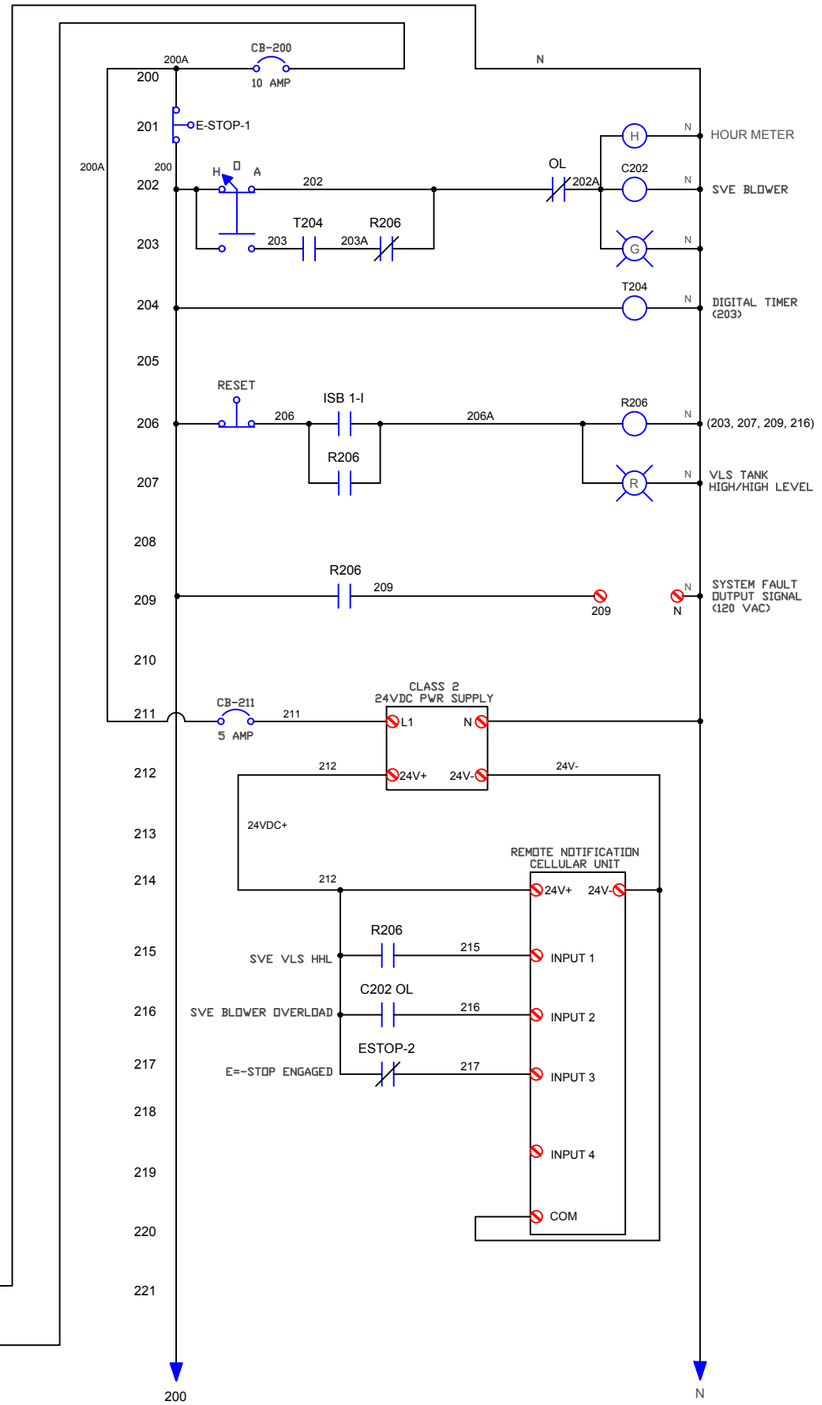
DWN: MV	DATE: 10/10/2023
CHKD: MV	DRAWING #: 2289-ELEVATION
REV.: 1	

NOTE:
PUT WILD
LEG ON L2

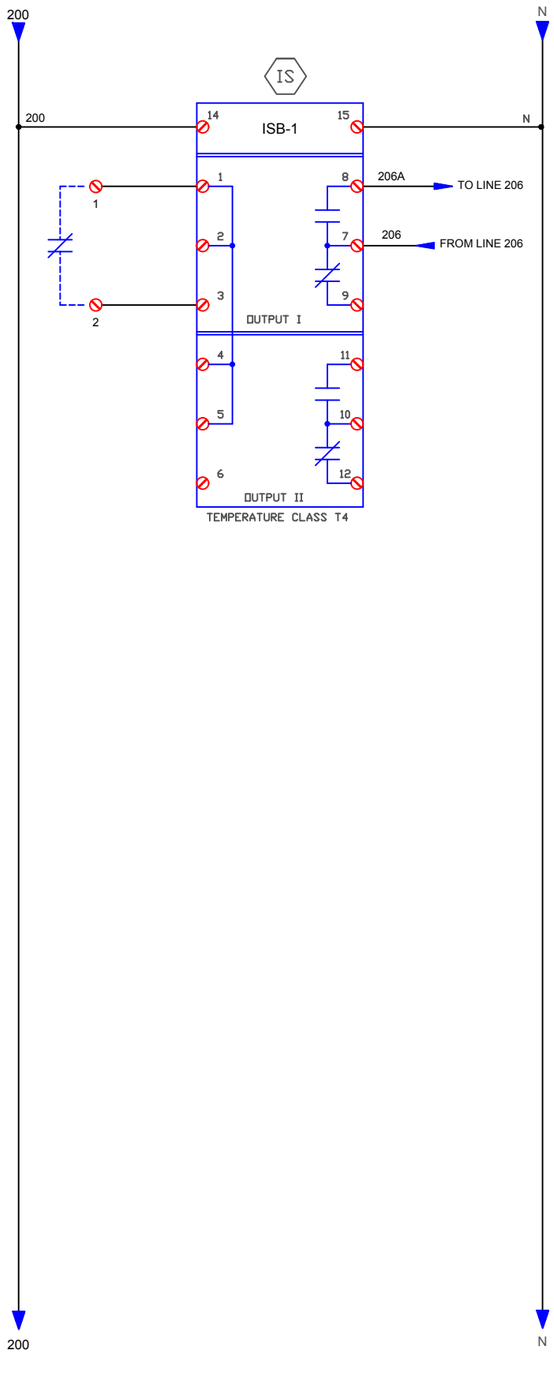
240VAC, 3Ø
60HZ

MAIN DISCONNECT
AND BRANCH CIRCUIT PROTECTION
PROVIDED BY INSTALLER, USE 20A CB





VLS TANK
HHL
(N.C.)



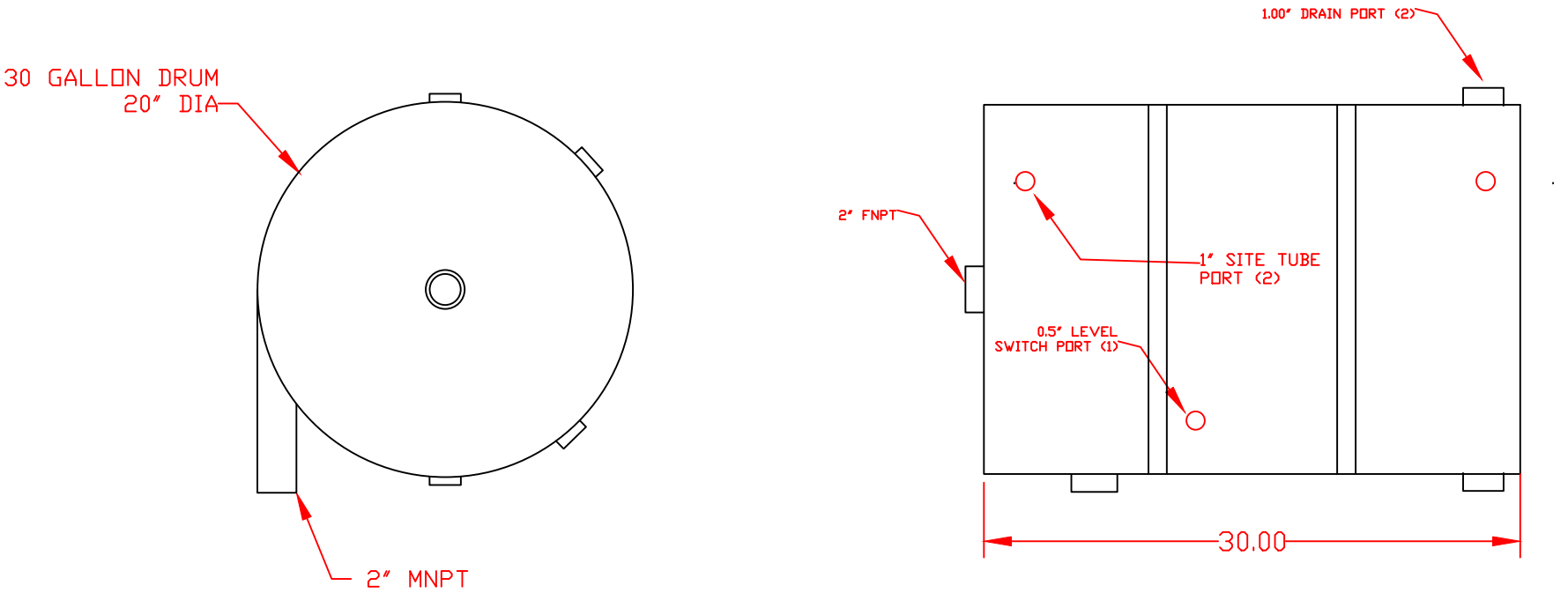
SPECIALTY SYSTEMS INTEGRATORS
14150 23rd Avenue North, Plymouth, MN 55447
Tel: 763 450 2600 Fax: 763 450 2601 www.2ssi.com

TITLE:
Control Panel Schematics
GES
CARRIAGE CLEANERS, BRIGHTON NYSDEC #828120

- POWER DISTRIBUTION BLOCK: TORQUE FIELD WIRING TO 120 IN/LBS
- ALL FIELD WIRING BELOW 100 AMPS SHALL BE COPPER 60° C ABOVE 100 AMPS USE 75° C WIRE
DASHED LINE = FIELD DEVICE

DWN: MV
CHKD: MV
REV.: 0

DATE: 10/10/2023
DRAWING #: 2289-PANEL1



NOTE: THIS IS A GENERAL LAYOUT DRAWING

SPECIALTY SYSTEMS INTEGRATORS INC.
14150 23rd Ave N; Plymouth, Minnesota 55447 | tel: 763-450-2600 | WWW.2SSI.COM | email: sales@2ssi.com

TITLE: SSI 30 GALLON CUSTOM VLS TANK

DWN:	MV
CHKD:	MV
REV.:	0
DATE:	4/9/2019
DRAWING #:	SSI-30 TANK

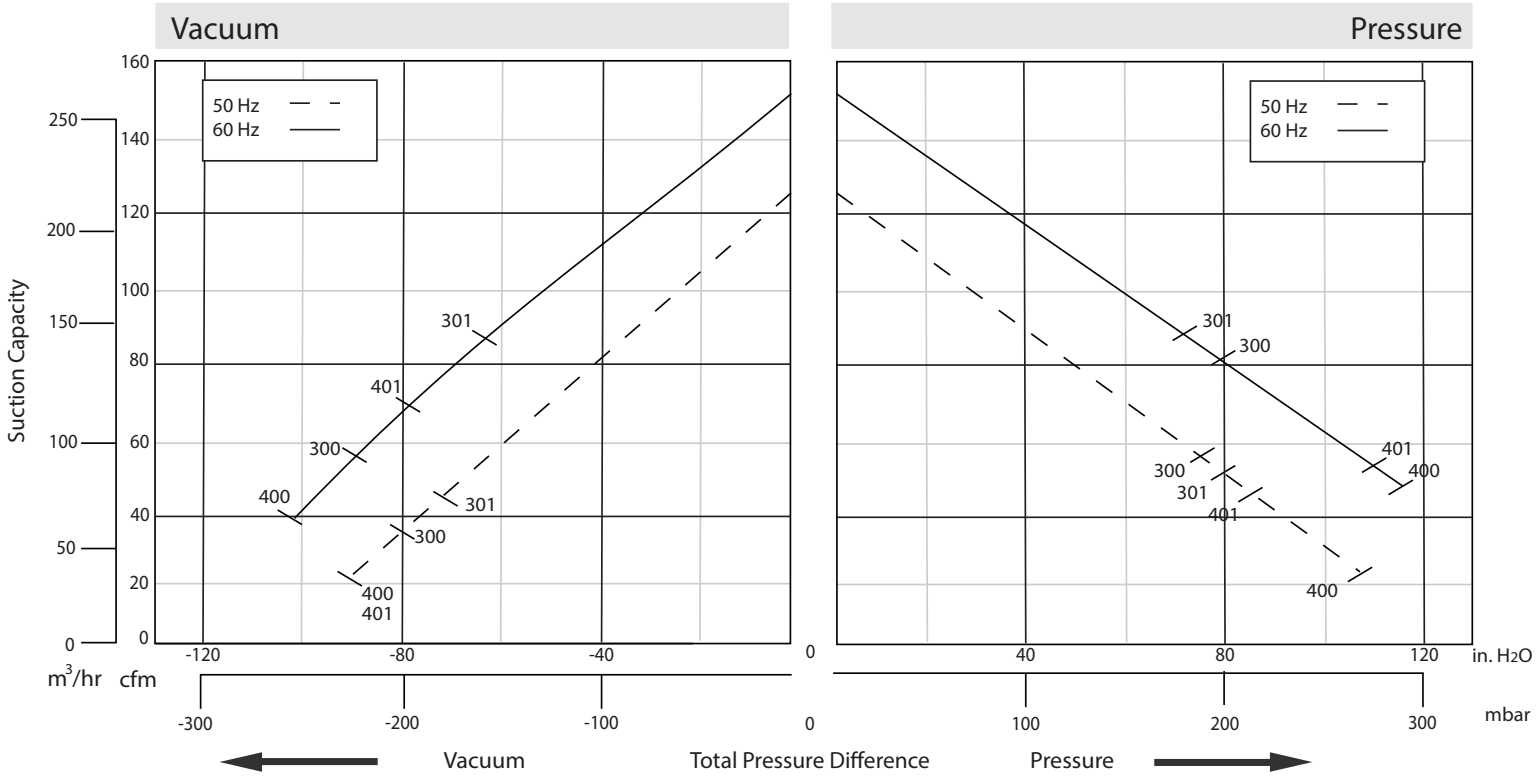
HRC 300/301/400/401

REGENERATIVE BLOWERS

Republic offers a complete line of regenerative blowers for high vacuum or compressed air applications in both horizontal and vertical mounted positions. TEFC motors are rated for 50/60 Hz operation and are IE3, cUL, UL, and CE certified. The impeller is directly connected to the motor shaft, providing powerful air force without undue friction. The bearings are outside the compression chamber, ensuring maximum operational reliability under high differential pressure. Constructed in robust die-cast aluminum, this low-maintenance, oil-free design provides continuous, dependable service to our customers.

IE3
CC339B
CE
c UL us
E493872

PERFORMANCE

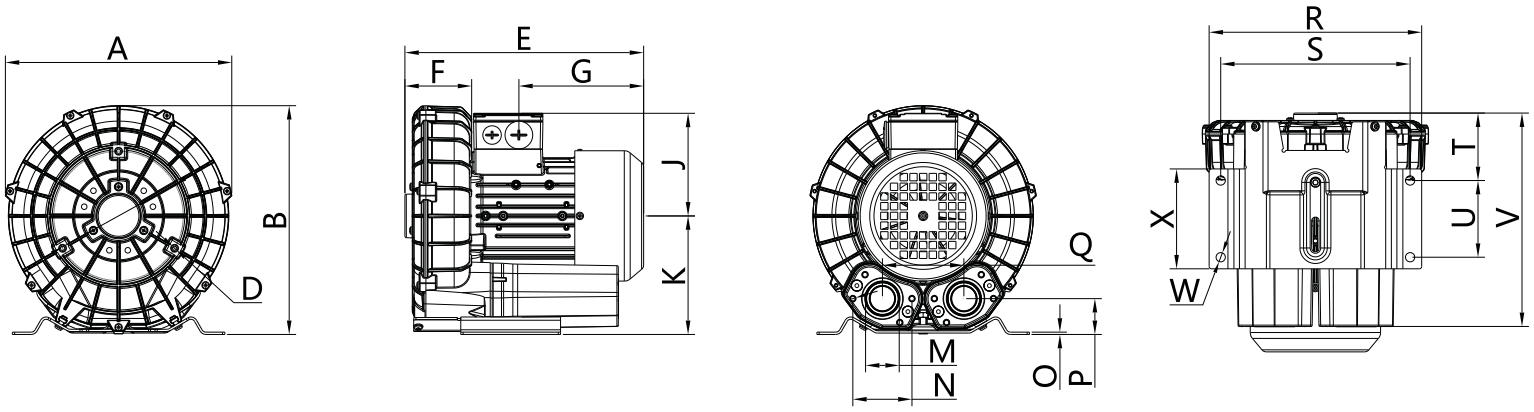


Model	Phase	Frequency (Hz)	Air flow (CFM/m³/hr)	Rated Vacuum (in. H_2O/mbar)	Rated Pressure (in. H_2O/mbar)	Motor (HP/kW)	Voltage (V)	Current (A)	Sound Level (dB)	Weight (lb/kg)
HRC 300	3	50	124/210	80/200	76/190	2.1/1.6	190 YY/380 Y	7.5 YY/4.3 Y	64	51/23
		60	150/255	88/220	79/197	2.8/2.0	230 YY/460 Y	7.3 YY/4.4 Y	70	
HRC 400	3	50	124/210	88/220	108/270	3.0/2.2	190 YY/380 Y	9.7 YY/5.6 Y	64	57/26
		60	150/255	104/260	116/290	3.4/2.5	230 YY/460 Y	10.3 YY/6.0 Y	70	
HRC 301	1	50	124/210	65/161	65/161	2.0/1.5	230	10.4	64	53/24
		60	150/255	63/157	71/177	2.4/1.8	115/230	22.4/11.2	70	
HRC 401	1	50	124/210	88/220	84/210	2.5/1.9	230	12.8	64	57/26
		60	150/255	79/197	108/269	3.0/2.2	115/230	26.0/14.0	70	

The performance curves are based on air at a temperature of 59 °F and an atmospheric pressure of 29.91 inch Hg with a tolerance of +/-10%. The total pressure differences are valid for inlet and ambient temperatures up to 77 °F. Suction capacity relates to inlet conditions. Pressure capacity relates to atmospheric conditions. For other conditions please contact Republic. Three phase motor tolerances are +/-10% for fixed voltage motors and +/-5% for voltage range motors. Single phase machines are designed with a +/-5% tolerance. The frequency tolerance is +/-2% maximum.

©Republic Manufacturing

APPROXIMATE DIMENSIONS

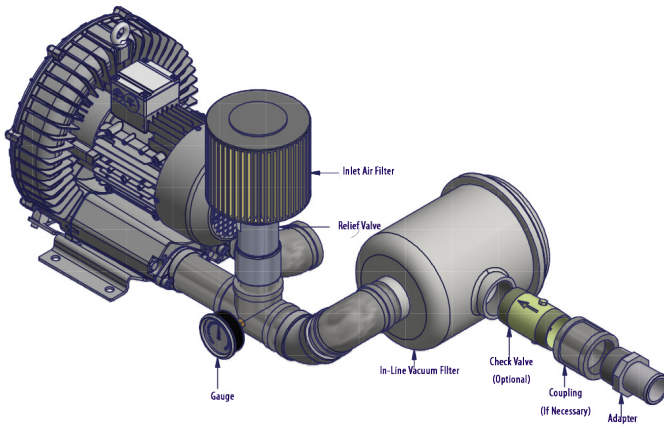


Model	Unit	A	B	D	E	F	G	J	K	M	N	O	P	Q	R	S	T	U	V	W
HRC 300	in	13.15	14.69	M8	13.58	3.86	7.48	5.04	6.89	2.00	3.27	0.16	1.89	4.80	11.61	10.24	3.23	4.53	10.67	0.55
	mm	334	373		345	98	190	128	175		83	4	48	122	295	260	82	115	271	14
HRC 400	in	13.15	14.69	M8	13.58	3.86	7.48	5.04	6.89	2.00	3.27	0.16	1.89	4.80	11.61	10.24	3.23	4.53	10.67	0.55
	mm	334	373		345	98	190	128	175		83	4	48	122	295	260	82	115	271	14
HRC 301	in	13.15	14.69	M8	13.58	3.86	7.48	5.04	6.89	2.00	3.27	0.16	1.89	4.80	11.61	10.24	3.23	4.53	10.67	0.55
	mm	334	373		345	98	190	128	175		83	4	48	122	295	260	82	115	271	14
HRC 401	in	13.15	14.69	M8	13.58	3.86	7.48	5.04	6.89	2.00	3.27	0.16	1.89	4.80	11.61	10.24	3.23	4.53	10.67	0.55
	mm	334	373		345	98	190	128	175		83	4	48	122	295	260	82	115	271	14

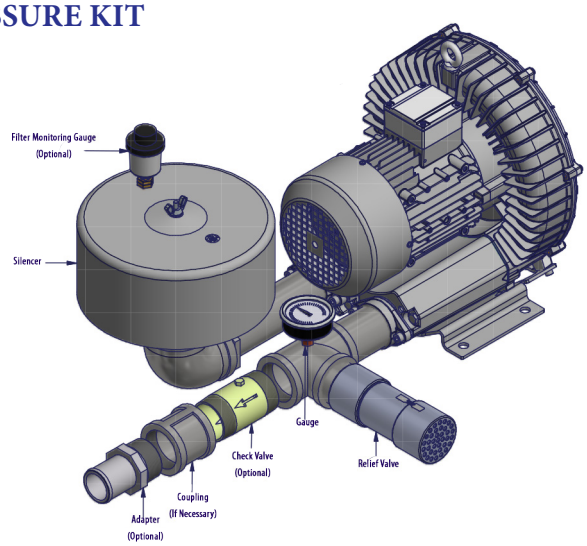
Available Options

All Republic Regenerative Blowers are available in pre-assembled kits for either pressure or vacuum applications. These kits include an inlet filter, gauge and relief valve, and are factory tested prior to shipment. Optional items for these kits include check valve, and tube adaptor; washdown motors, explosion proof motors, or other specialty motors; noise enclosures; and control panels such as VFD's, PLC's, or starter panels.

VACUUM KIT



PRESSURE KIT



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5131 Cash Road, Dallas, TX 75247, USA
800.847.0380 • info@republic-mfg.com • republic-mfg.com

REPUBLIC MANUFACTURING

HRC/4RC-SERIES REGENERATIVE BLOWER Installation & Operating Instructions

OM011 Rev.E

Republic Regenerative Blowers
HRC100-HRC1502 • 4RC210-4RC630
Installation Instructions & Operating Manual

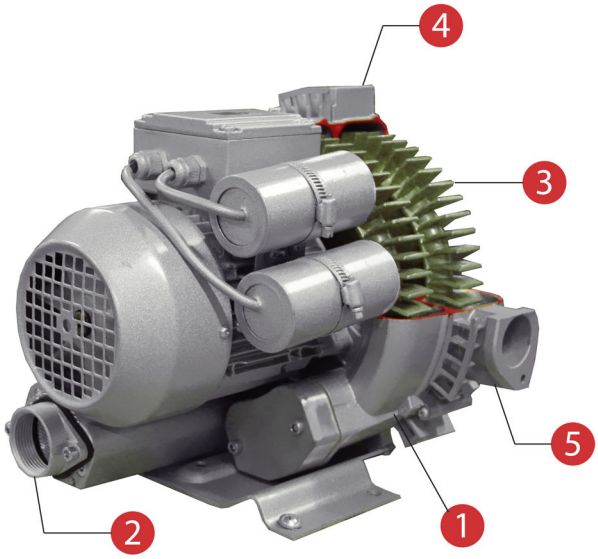
Republic Manufacturing®
5131 Cash Road
Dallas, TX 75247
(214) 631-8070
www.republic-mfg.com
info@republic-mfg.com

Warning

Service procedures beyond the scope of this manual should only be performed by trained service personnel at Republic Manufacturing.

Important

Read the following safety instructions carefully. Disconnect blower from electrical source using an approved lockout/tagout procedure before attempting service



1. Side channel
2. Air inlet
3. Impeller
4. Impeller chamber
5. Exhaust outlet

Working Principle

Air or gas is pulled into a side channel (1) through the air inlet (2) and is accelerated by an impeller (3) rotating inside the impeller chamber (4). The resulting pressurized air or gas is discharged through the exhaust outlet (5). This type of operation is also known as a ring blower design.

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Safety Instructions

To insure safe operation, we have provided many important safety guidelines in this manual for the Republic Regenerative Blower. Please read this manual carefully and pay particular attention to instructions with the following signs:

DANGER: Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

WARNING: Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

1. Always use qualified electrical and mechanical personnel for installation and maintenance of Republic Blowers and motors.

2. Disconnect the electrical power at the motor starter, fuse box or circuit breaker before working on the system. Take special precautions to make sure the power cannot be turned on while you are working on the blower. **Use an approved lockout/tagout system.**

3. Make sure the motor is electrically grounded, the mounting bolts are properly secured, and all guards are in place before start-up.

4. Wear safety glasses and earplugs when working on the blower or components within a Republic Blower system.

5. **Check the final installation for proper amp loads**.

6. Keep all tools, loose clothing and hands away from rotating or moving parts while the unit is running.

7. Inspect the blower at regular intervals for damaged or worn parts. **Replace damaged parts immediately! Do not connect or turn on a damaged blower!**

8. Inspect the inlet air filter at regular intervals and replace when necessary. A dirty air filter can cause improper blower performance.

9. Use only genuine Republic Manufacturing brand replacement parts.

10. Refer to Troubleshooting section of manual.

11. Make sure to install the inlet air filter or piping to blower inlet before starting the blower/motor.

12. Water, other liquids, aggressive or inflammable gases and vapors may not be handled. Handling of inflammable or aggressive gases and vapors is only possible with special versions.

13. Improper use of the unit can result in serious or even fatal injuries. Only operate the blower for the purposes indicated under "Intended Use", with the fluids indicated under "Intended Use" and with the values indicated under "Technical Data".

14. High temperatures of up to approximately 320°F (160°C) can occur on the surface of the blower. Allow to cool down after shut-down.

Lockout/Tagout Procedures

1. Notify all affected employees that a lockout or tagout is about to occur on a specific piece of equipment or machinery. The authorized employee to use the lockout/tagout system shall know the type and magnitude of energy that the machine or equipment utilizes and the hazards that exist with the energy source before preparing to shutdown.

2. If the machine or equipment is operating, please use normal stopping or rundown procedures for that machine.

3. Operate the switch, valve, or other energy isolating devices so that the equipment is isolated from its energy source. Isolating the equipment from its energy source may involve turning off such items as the operating control, a line valve, or an electrical circuit breaker.

4. Apply the lockout/tagout isolating device with assigned individual locks or tags.

5. Release any potentially-hazardous stored or residual energy. In order to do so, this may mean to return springs to a normal position, or bleeding down. Since the machine must be in a zero energy state, if there is any chance the stored energy may reaccumulate, verification of isolation must be continued until the servicing or maintenance is complete.

6. The machine or equipment is now locked out or tagged out.

Blower Description & Model Identification

Republic Manufacturing Regenerative Blowers are industrial grade regenerative blowers capable of producing high pressure air at low operating costs. Many models are available within each series:

- HRC-Series: Standard regenerative blowers with integral motor operating at 50 or 60 Hz, with 3 or 1 phase motor. 0.5-38.9 HP (0.4-29.0 kW) Motor Sizes
- 4RC-Series: High pressure regenerative blowers with integral motor operating at 50 or 60 Hz, with 3 or 1 phase motor. 0.7-11.5 HP (0.5-8.6 kW)

Republic Blowers have a nameplate containing the serial and model number located on the blower head near the exhaust port. When placing a service call, please provide the Republic serial number. Call us at (800) 847-0380 or e-mail info@republic-mfg.com.

- Models come with 1.25 in. (31.8 mm), 2.0 in. (50.8 mm), 2.5 in. (63.5 mm), or 4 in. (101.6 mm) inlet and ports; and can accommodate piping/hose in 1.25 in. (31.8mm), 20 in. (50.8 mm), 2.5 in. (63.5 mm), or 4 in. (101.6 mm) connections.
- All models can be mounted in a variety of positions. (Please refer to Installation section of manual.)

Equipment Arrival & Inspection

Inspect the blower system at time of receipt to ensure that all components and accessories, as noted on the packing slip, were received and in good condition. Verify that the serial number on the packing slip matches the serial number shown on the blower head nameplate. Inspect the blower and motor assembly to ensure that the motor horsepower and voltage are correct.

If any equipment was damaged in transit, you will need to make a claim against the freight carrier immediately. If you have any shortages, discrepancies, or damage, please call your Republic Manufacturing Distributor or Republic Manufacturing at (800) 847-0380. No training required.

Storage Conditions

1. Must store blower in a place that meets the following conditions: clean, dry, and dust-free.
2. The temperature during storage must be between 32 (0^{o}C) and 104^{o}F (40^{o}C).

Long Term Storage

The new blower may initially be stored following delivery.

1. Under advantageous storage conditions (as specified above): 1 year.
2. Under disadvantageous storage conditions (e.g. high humidity, salty air, sandy or dusty air): Inquire with Republic Manufacturing regarding service at (800) 847-0380.

Commissioning After Longer Standstill:

Before recommissioning after a longer standstill, measure the insulation resistance of the drive motor. With values $\leq$ 1kΩ per volt of nominal voltage, the winding is too dry.

Suitability & Environmental Conditions

The units are suitable for the use in the industrial field.

Use only clean, dry air. Do not use explosive gases or atmosphere that contains such gases.

The ambient and suction temperatures must be between 32°F (0°C) and 104°F (40°C). For temperatures outside this range please contact your supplier.

In all applications where an unplanned shut down of the blower could possibly cause harm to persons or installations, a corresponding safety backup system must be installed.

Protect all surrounding items from exhausted air. This exhausted air can be very hot.

Protect unit from contaminants and moisture. Air particles, water vapor, oil-based contaminants or other liquids must be removed.

Blower must be installed with the proper-sized inlet and inline filter, gauge and relief valve to protect the blower from contaminants and over-heating, overpressure.

When using the blower at a high altitude or high temperatures, please consult with Republic Manufacturing prior to use.

Space Required for Installation

1. Allow at least 3 inches (76.2 mm) of clearance for removal and venting at the fan guard.

2. Allow at least 2 inches (50.8 mm) of clearance around the face of the blower cover.

3. Please refer to the blower dimensional drawings on individual specification sheets to determine the appropriate machine footprint.

Intended Use

This operating manual

- is intended for regenerative blowers models HRC100-HRC1502 and 4RC210-4RC630.
- contains instructions regarding transport and handling, installation, commissioning, operation, shut-down, storage, services, and disposal.
- must be completely read and understood by all operating and servicing personnel before beginning to work with or on the blowers.
- must be strictly observed.
- must be available at the site of operation.

The HRC100-1502 & 4RC210-630

- are blower-motor units for generating vacuum or pressure.
- are used to extract, pump and compress the following gases:
    - Air.
    - Non-flammable, non-aggressive, non-toxic and non-explosive gases or gas-air mixtures.
    - With differing gases/gas-air mixtures, inquire with Republic Manufacturing.
- are equipped with one of the following kind of drive motors:
    - 3-phase AC drive motor with a standard, or
    - Single-phase AC drive motor.

These operating instructions apply only to blower units with a standard design:

- are intended for industrial applications.
- are designed for continuous operation. With increased switch-on frequency (6x per hour with equal pauses and operating times) or with increased gas inflow and ambient temperature, the excess temperature limit of the coil and the bearing can be exceeded. Consult Republic Manufacturing under such conditions.

The limits listed in "Technical Data" must always be complied with when operating Republic Regenerative Blowers.

Foreseeable Misuse

It is prohibited

- to use the HRC100-HRC1502 or 4RC210-4RC630 in applications other than industrial applications unless the necessary protection is provided on the system, e.g. guards suitable for children's fingers;
- to use the device in areas in which explosive gases can occur if the blower is not expressly intended for this purpose;
- to extract, to deliver and to compress explosive, flammable, corrosive or toxic fluids, unless the blower is specifically designed for this purpose;
- to operate the blower with values other than those specified in "Technical Data".

Any unauthorized modifications of the blower are prohibited for safety reasons. The operator is only permitted to perform the maintenance and service work described in these operating instructions. Maintenance and servicing work which goes beyond this may only be carried out by companies which have been authorized by Republic Manufacturing.

Technical Data

Blower	Weight		Noise Level (dBa)	Blower	Weight		Noise Level (dBa)
	lb	kg			lb	kg	
HRC100	22	10	53	HRC102	33	15	68
HRC101	24	11	56	HRC202	33	15	61
HRC200	30	15	64	HRC202/1	35	16	61
HRC201	30	15	64	HRC302	40	18	60
HRC220	40	18	64	HRC302/1	38	17	60
HRC221	37	17	65	HRC402S	55	25	69
HRC250	40	18	65	HRC402	60	27	6
HRC300	51	23	70	HRC402/1	68	31	72
HRC340	53	24	70	HRC502	78	35	74
HRC350	57	26	71	HRC602	88	40	74
HRC301	53	24	70	HRC702	90	41	74
HRC400	57	26	70	HRC752	108	49	76
HRC401	57	26	70	HRC802	123	56	76
HRC500	68	31	72	HRC902	154	70	76
HRC501	66	30	74	HRC1002	163	74	76
HRC600	79	36	72	HRC1102	230	104	78
HRC700	88	40	72	HRC1202	265	120	78
HRC720	82	37	73	HRC1302	412	187	78
HRC730	95	43	73	HRC1402	434	197	78
HRC750	112	51	74	HRC1452	450	204	78
HRC800	137	62	82	HRC1502	465	211	78
HRC900	143	65	82				
HRC1000	265	121	82				
HRC1020	126	57	74				
HRC1040	146	66	74				
HRC1060	153	69	74				
HRC1100	205	93	79				
HRC1200	256	116	79				
HRC1300	278	126	79				
HRC1320	216	98	80				
HRC1340	267	121	80				
HRC1360	289	131	80				

Blower	Weight		Noise Level (dBa)	Blower	Weight		Noise Level (dBa)
	lb	kg			lb	kg	
4RC210-A75	40	20	62	4RC220-A75	67	34	62
4RC210-H16	36	18	62	4RC220-H26	53	27	62
4RC310-A71	40	20	62	4RC220-H56	67	34	62
4RC310-H16	36	18	62	4RC320-A75	79	36	63
4RC310-H26	36	18	62	4RC320-H46	71	32	63
4RC410-A41	57	26	62	4RC320-H56	75	34	63
4RC410-H16	57	26	62	4RC420-H26	82	37	66
4RC510-H16	64	29	68	4RC420-H56	95	43	66
4RC510-H26	70	32	68	4RC520-H26	100	45	70
4RC610-H16	80	36	71	4RC520-H77	126	57	71
4RC610-H26	86	39	71	4RC620-H36	106	48	71
4RC630-H67	188	86	76	4RC620-H57	144	65	72

Tightening Torques for Screw Connections

The following values apply if no other information is available.
With non-electrical connections, property classes of 8.8 and 8 or higher as per ISO 898-1 are assumed.

	Tightening torques for non-electrical connections	
Thread	**[Nm]**	**[ft lbs]**
M4	2.7 - 3.3	1.99 - 4.44
M5	3.6 - 4.4	2.65 - 3.25
M6	7.2 - 8.8	5.31 - 6.5
M8	21.6 - 26.4	15.9 - 19.5
M10	37.8 - 46.2	27.9 - 34.1
M12	63.0 - 77.0	46.5 - 56.8

The following information for electrical connection applies to all terminal board connections with the exception of terminal strips.

	Tightening torques for electrical connections	
Thread	**[Nm]**	**[ft lbs]**
M4	0.8 - 1.2	0.59 - 0.89
M5	1.8 - 2.5	1.33 - 1.84

Especially for metal and plastic threaded cable glands and pipe unions, the following values apply:

	Tightening torques for metal threaded glands/unions	
Thread	**[Nm]**	**[ft lbs]**
M12x1.5	4 - 6	2.95 - 4.43
M 16x1.5	5 - 7.5	3.69 - 5.53
M25x1.5	6 - 9	4.43 - 6.64
M32x1.5	8 - 12	5.9 - 8.85
M40x1.5		

	Tightening torques for plastic threaded glands/unions	
Thread	**[Nm]**	**[ft lbs]**
M12x1.5	2 - 3.5	1.48 - 2.58
M16x1.5	3 - 4	2.21 - 2.95
M25x1.5	4 - 5	2.95 - 3.69
M32x1.5	5 - 7	3.69 - 5.16
M40x1.5		

Installation

Blower may be lifted manually or utilizing lifting equipment based on the instructions below:

WARNING: Danger from lifting heavy loads. Manual handling of the unit is only permitted within the following limits:

- max. 66 lbs (30 kg) for men
- max. 22 lbs (10 kg) for women
- mas. 11 lbs (5 kg) for pregnant women

For the weight of the blower, see Mechanical Data section of this manual. All blowers heavier than the maximums stated above must be lifted using lifting equipment.

1. The blower is ready to connect upon delivery.
2. Install the blower on a level, stable operating surface and use the optional isolation pads to reduce noise and vibration. Attach the included loose muffler if necessary.
3. Have a qualified electrician configure the motor to your incoming voltage as noted in the "Motor Wiring" section of the manual. Refer to the nameplate on the motor for the correct power supply requirements.
4. To ensure sufficient cooling of the blower, it is absolutely necessary that the required minimum distances to the fan guard and the face of the blower cover be maintained. See "Mechanical Data" for minimum distances. Ventilation screens and openings must remain clear. Discharge air of other units may not be directly sucked in again.
5. The blower is suitable for installation within the following ambient conditions: dusty or damp environment, in buildings, in the open (though only if protected from intense sunlight exposure. The blower may be installed within the following conditions: on level surfaces, and at a maximum elevation of 1000 ft. above sea level. (For higher altitudes, contact Republic Manufacturing at 800-847-0380.)
6. Blower may be installed in any vertical/horizontal axis position with one exception: vertically with the blower face pointing upward.
7. From the motor side of the blower, verify the blower is rotating in the direction indicated by the arrow on the motor. (The motor side is marked with an arrow on most models.) Proper rotation can also be checked by the air flow at the inlet and outlet ports. On blowers powered by a 3 phase motor, change the connection of any two (2) wires to reverse blower rotation if needed.

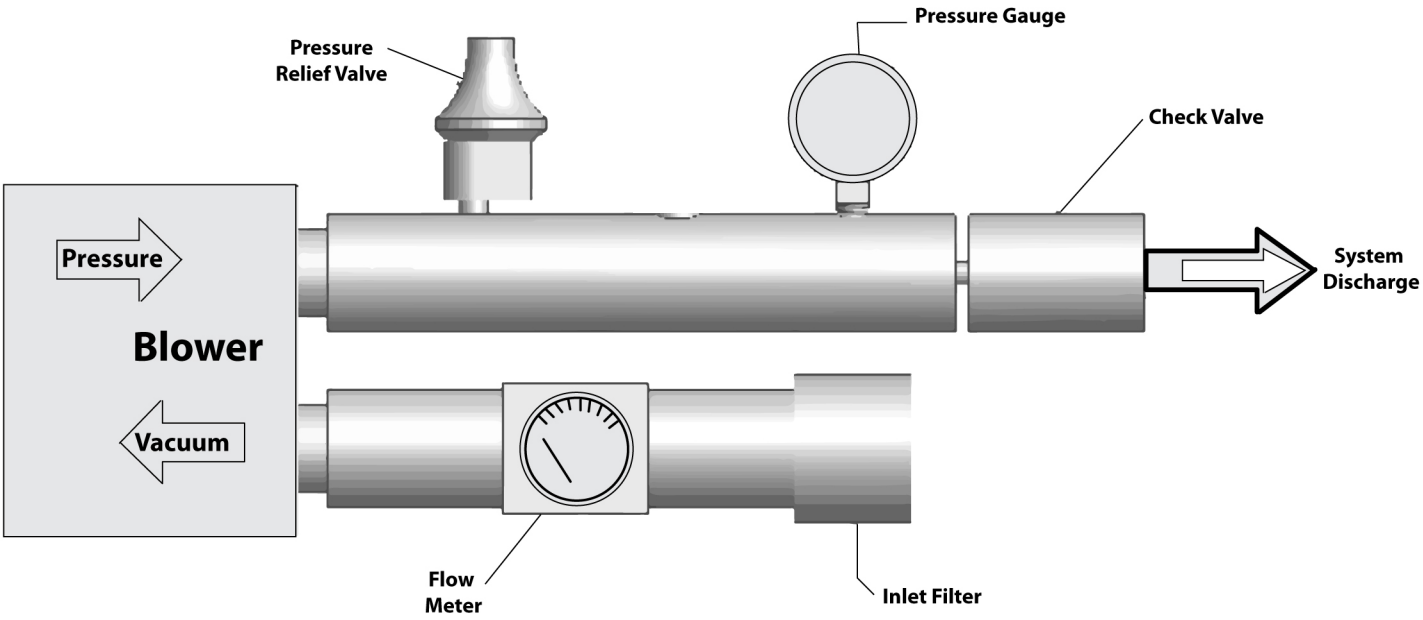
Plumbing & Accessories

1. Remove any foreign material (e.g. burrs, chips, welding drops, pipe cuttings, excess sealant, etc.) from plumbing.
2. Verify the motor is securely mounted and proper blower rotation before connecting to plumbing. The inlet and outlet port are not designed to support the plumbing without proper supporting elements.
3. Remove safety rubber plugs from the inlet and outlet ports.
4. Connect the plumbing with properly sized fittings.
5. Use a relief valve to discharge excess air beyond the preset level on pressure applications. Use a vacuum relief valve to draw in excess air when preset vacuum level is achieved.
6. Install an intake filter to prevent foreign material from entering the blower. In applications where there is high humidity or liquids being used in the process, install a moisture separator with a drain valve.
7. Install two (2) gauges - one before and one after the filter - to monitor differential air flow through the filter element. As filters become clogged, performance efficiency will be reduced. Filters should be checked periodically and replaced when necessary. The recommended check valves provide minimal pressure drop, positive sealing, and are resistant to the high discharge temperatures of the blowers.
8. Recommended piping should be, at minimum, the same size as the inlet and outlet ports on pressure systems.

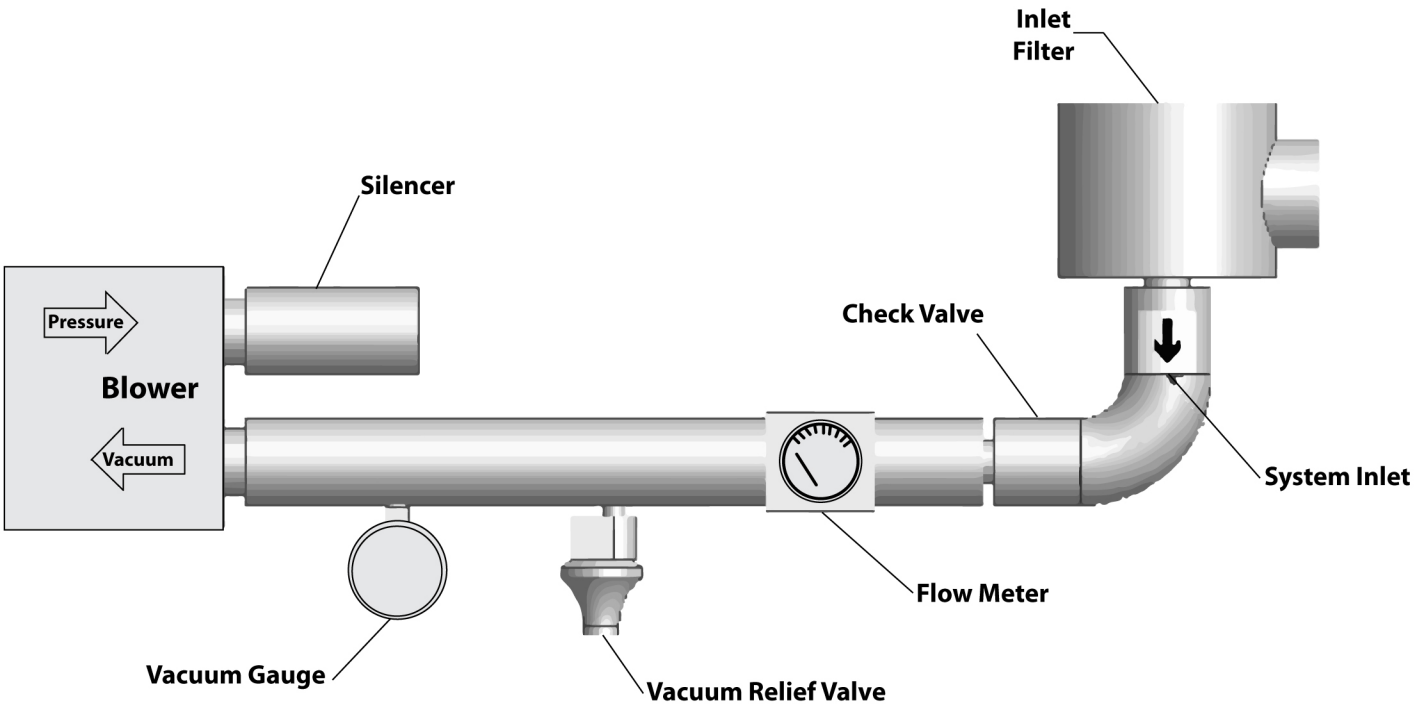
WARNING: Exhaust air temperature increases significantly above 65" WC (162 mbar). Discharged air is typically too hot for most plastic piping, therefore metal piping is recommended. This piping must be guarded and marked "DANGER-HOT-DO-NOT TOUCH".

9. Metal piping is recommended for the first 5 ft. (1.5 m) to 8 ft. (2.4 m) from the blower on pressure systems. Elbows increase friction, so elbows should be minimized to decrease friction loss.
10. Pressure or relief valves should be installed in a "T" that is at least one (1) pipe size larger than the port diameter.

Typical Pressure Layout



Typical Vacuum Layout



Electrical Connection

DANGER: Malpractice can result in severe injuries and material damage. The electrical connection may be performed by trained and authorized electricians only. Before beginning work on the unit or system, the following measures must be carried out:

- De-energize.
- Perform proper lockout/tagout procedures such that electricity cannot be turned on again.
- Confirm unit is de-energized.
- Ground and short-circuit.
- Cover or block-off adjacent energized parts

WARNING: Incorrect connection of the motor can lead to serious damage to the unit.

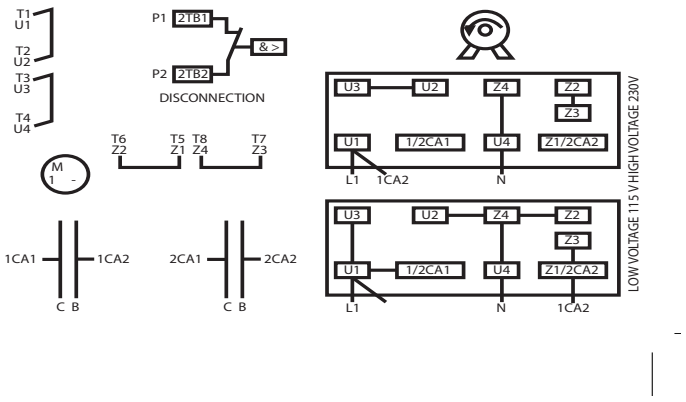
- ELECTRICAL POWER SUPPLY: Observe the rating plate. It is imperative that the operating conditions correspond to the data given on the rating plate. Deviations permissible without reduction in performance include:
    - +/- 5% voltage deviation
    - +/- 2% frequency deviation
- CONNECTION TO TERMINAL BOX: Open the required cable entry openings on the terminal box. Here the following two cases are differentiated:
    - The cable entry opening is prefabricated and provided with a sealing plug.
    - Screw out sealing plug.

OR

    - The cable entry opening is closed off with a casting skin (only on blower with drive-motor axis heights of 100" [2.5 m] to 160" [4.0 m] in standard design).
    - Break out casting skin using a suitable tool. For example, use a metal pin with a corresponding diameter or a chisel and hammer.
- Mount cable glands on the terminal box. Proceed as follows:
    - Select one cable gland in each case which is suitable for the cable diameter.
    - Insert this cable gland in the opening of the terminal box. Use a reducer if necessary.
    - Screw on the cable gland so that no moisture, dirt, etc. can penetrate into the terminal box.
- Carry out the connection and arrangement of the jumpers in accordance with the wiring diagram in the terminal box or "Wiring Diagram" section of this manual.
- The electrical connection must be carried out as follows:
    - The electrical connection must be permanently safe.
    - **DANGER:** The terminal box must be free from foreign bodies, dirt, and humidity. Terminal box cover and cable entries must be tightly closed so as to make them dust-proof and waterproof. Check for tightness at regular intervals.
    - **DANGER:** There may be no protruding wire ends.
    - **DANGER:** Clearance between bare live parts and between bare live parts and ground : $\geq$ 0.22 in. (5.5 mm) at a nominal voltage of $U_N \leq 690$ V.
    - For the tightening torques for terminal board connections (except terminal strips), see "Tightening Torques for Screw Connections".
- For motor overload protection, use motor circuit breakers and adjust to the specified nominal current as listed on the rating plate.
- **DANGER:** There is danger of an electrical shock when a defective blower is touched. Mount motor circuit breaker. Have electrical equipment checked regularly by an electrician.

Wiring Diagram - Single Phase

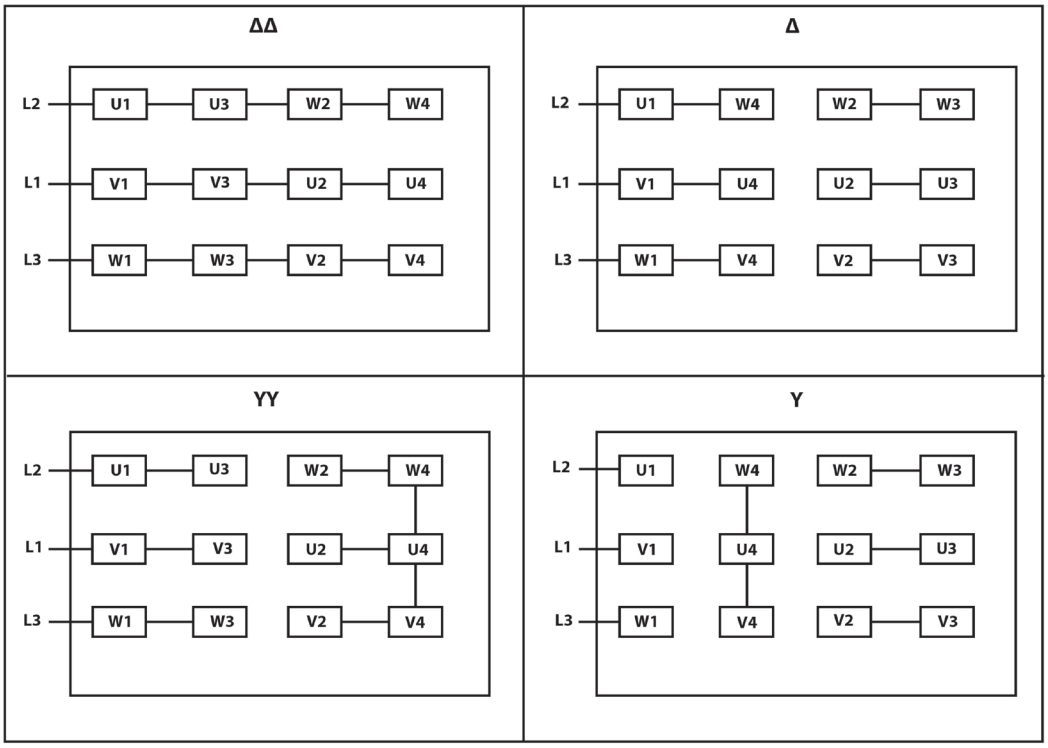
Most Republic single phase regenerative blowers use the wiring diagram shown below. Always follow the wiring diagram on the inside of the blower's terminal box cover. Special versions may exist.



Wiring Diagram - Three Phase

Most Republic three phase regenerative blowers use the wiring diagram show below. Always follow the wiring diagram on the inside of the blower's terminal box cover. Special versions may exist.

The blower data tag located at the top of the motor will match one of these four diagrams below. Each combination of hertz and voltage has a symbol next to it indicating which diagram should be followed for that configuration. Match the symbol next to hertz and voltage to the symbols above the diagram. Once wired, check rotation. If reversed, swap any two leads.



Thermal Leads

Republic regenerative blowers have two small black wires coming from the motor that are not connected to the terminal blocks. These wires are for use with motor over temperature protection features sometimes used in control panels. If a control panel without this feature is used, simply cap off the wires and do not use them.

Commissioning

WARNING: Improper use of the unit can result in serious or even fatal injuries. Do not proceed without reading Safety Instructions.
WARNING: Danger from rotating parts cutting/cutting off of extremities, grasping/winding up of hair and clothing.
WARNING: Danger due to vacuum and pressure, sudden escape of vapor (skin and eye injuries), sudden drawing in of hair and clothing, or burns.
Only start-up and operate under the following conditions:

- The blower must be completely assembled. Pay particular attention to the following components:
    - the blower cover,
    - the muffler on inlet and discharge connections, and
    - the fan guard.
- The pipes/hoses must be connected to inlet and discharge connections.
- Inlet and discharge connections and the connected pipes/hoses may not be closed, clogged or soiled.
- Check the mounting elements, connections of the pipe/hose, lines, fittings and containers for strength, leaks and firm seating at regular intervals.

Preparation

DANGER: Blower can overheat causing damage to the drive motor winding if intake or discharge connections are closed/soiled. Before start-up, make sure the inlet and discharge connections are not closed, clogged or soiled.
CAUTION: Before starting up after a longer standstill: Measure the insulation resistance of the motor. With values $\leq$ 1 kΩ per volt of nominal voltage, the winding is too dry.

1. Check the direction of the rotation. The intended rotating direction of the shaft is marked with arrows on the housing.
2. The gas delivery direction is marked with arrows on the inlet and discharge connections.
3. Make sure the pipes/hoses on the inlet and discharge connections are properly connected.
4. Switch the blower on briefly and then off again.
5. Compare the actual rotating direction of the external fan with the intended shaft rotating direction indicated with the arrows shortly before the blower comes to a standstill.
6. If necessary, revers the direction of the rotation of the motor.
7. Observe the operating speed specified on the rating plate. This may not be exceeded, as otherwise the noise radiation, vibration behavior, grease consumption duration and bearing change interval worsen. To prevent damage as a result of higher speeds, it may be necessary to inquire with Republic Manufacturing as to the maximum speed.

Start-Up

1. Open shut-off device in intake/discharge pipe.
2. Switch on power supply for drive motor.
3. Operate blower for an hour, and then check:
    - Ambient temperature - increased room temperatures may require stronger ventilation especially for larger blowers. Room temperature should not exceed 104 (40°C).
    - Pressure and vacuum valves - adjust relief valve pressure or vacuum setting if needed.
    - Motor current - check that current supply matches recommended current rating on blower nameplate.
    - Electrical overload cutout - check that current matches rating on blower nameplate

If motor fails to start or slows down significantly under load, shut off and disconnect from power supply. Check that the voltage is correct for the motor and that the motor is turning in the proper direction.

Shut-Down

1. Switch off power supply for drive motor.
2. Close shut-off device in intake/discharge pipe, if applicable.

Operation

WARNING: Improper use of the unit can result in serious or even fatal injuries. Do not proceed without reading Safety Instructions.
WARNING: Danger due to vacuum and pressure, sudden escape of vapors (skin and eye injuries), sudden drawing in of hair and clothing.
WARNING: Danger of overheating due to hot surface of blower. High temperatures of up to approximately 320°F (160°C) can occur on the surface of the blower. Do not touch during operation. Allow to cool after shut-down.
CAUTION: Danger of overheating due to hot surface of blower. Temperature sensitive parts, such as lines or electronic components, may not come into contact with the surface of the blower.
CAUTION: Danger of rusting due to collection of condensed water in drive motor area. On drive motors with closed condensed water openings, remove closures occasionally to allow any water which has collected to drain off.
CAUTION: Danger of bearing damage. Heavy mechanical impacts must be avoided during operating and while at standstill.

Shut-Down & Longer Standstills

Preparing for shut-down or longer standstill

WARNING: Improper use of the unit can result in serious or even fatal injuries. Do not proceed without reading "Safety Instructions".
CAUTION: Danger of rusting due to collection of condensed water in drive motor area. On drive motors with closed condensed water openings, remove closures occasionally to allow any water which has collected to drain off.
CAUTION: Danger of bearing damage. Heavy mechanical impacts must be avoided during operating and while at standstill.
Prior to shut-down or longer standstill, proceed as follows:

1. Switch off the blower.
2. Close shut-off device in inlet and pressure line if installed.
3. Disconnect blower from power supply.
4. Release pressure. Open pipes/hoses slowly and carefully so that the vacuum or gauge pressure in the blower can be released.
5. Remove pipes/hoses.
6. Provide mufflers on inlet and discharge side with sealing plugs.

Servicing

WARNING: Improper use of the unit can result in serious or even fatal injuries. Do not proceed without reading "Safety Instructions".

Emptying/Rinsing/Cleaning

Before any maintenance/servicing work, empty, rinse and clean the outside of the unit.

1. Empty unit with air and rinse until all residues have been removed.
2. Clean the outside of the unit with compressed air.
    - Wear gloves and protective safety glasses.
    - Secure the surrounding area.
    - Clean the entire surface of the unit and exterior fan with compressed air.

Preventative Maintenance

After the first 100 hours of operation, the following need to be checked:

- filter elements;
- noise absorbing foam in mufflers; and
- motor and blower cleanliness.

Replace filter elements as needed. Mufflers should be checked on a monthly basis.

Allowable Number of Starts and Minimum Time Between Starts for NEMA Design A & Design B Motors

HP	2 Pole			4 Pole			6 Pole		
	A	B	C	A	B	C	A	B	C
1	15	1.2	75	30	5.8	38	34	15	33
1.5	12.9	1.8	76	25.7	8.6	38	29.1	23	34
2	11.5	2.4	77	23	11	39	26.1	30	35
3	9.9	3.5	80	19.8	17	40	22.4	44	36
5	8.1	5.7	83	16.3	27	42	18.4	71	37
7.5	7	8.3	88	13.9	39	44	15.8	104	39
10	6.2	11	92	12.5	51	46	14.2	137	41
15	5.4	16	100	10.7	75	50	12.1	200	44
10	4.8	21	110	9.6	99	55	10.9	262	48
25	4.4	26	115	8.8	122	58	10	324	51
30	4.1	31	120	8.2	144	60	9.3	384	53
40	3.7	40	130	7.4	189	65	8.4	503	57

Where:

A= Maximum number of starts per hour

B= Maximum product of starts per hour times load WK^2 (Note this is also maximum allowable intertia per NEMA)

C= Minimum rest or off time in seconds between starts

Allowable starts per hour is the lesser of A or B divided by the load WK^2 or

$$\text{Starts per hour} < A < \frac{B}{\text{Load } Wk^2}$$

Note- The above table is based on the following conditions:

a. Applied voltage and frequency are in accordance in MG1, 12.44

b. During the acceleration period, the connected load torque is equal to or less than a torque which varies as the square of the speed and is equal to 100% of rated torque at rated speed. (e.g. a variable torque load)

c. External load WK^2 is equal to or less than the values listed in MG1, 12.54

For conditions which exceed the above parameters, Republic Manufacturing should be consulted

Troubleshooting

Problem	Reason	Remedy
Increased sound	Noise absorbing foam is damaged	Replace foam.
	Impeller rubbing inside	Send unit to Republic Authorized Repair Facility.
Excessive vibration	Damaged impeller	Replace impeller.
	Motor and/or impeller are dirty	Clean motor and impeller periodically.
Ambient and exhaust temperature increases	Motor and/or blower are dirty	Clean motor and blower periodically.
	Filters are dirty	Replace filters.
Decreased inlet air pressure	Inlet air filter is clogged	Clean inlet filter or replace cartridge.
Unit is very hot	Wrong wiring	Check wiring.
	Low voltage	Supply proper voltage.
	Inlet air filter is clogged	Clean inlet filter.
	Motor and/or blower are dirty	Replace cartridge.
	Operating pressure or vacuum is too high	Clean motor and blower periodically.
		Install a relief valve and pressure or vacuum gauge.
Unusual sound	Impeller is damaged or dirty	Clean or replace impeller.
	Bearing failure	Send unit to Republic Authorized Repair Facility.
	Flow speed is too high	Clean pipes. Use pipe with larger cross-section if necessary.
	Muffler is dirty	Clean or replace muffler inserts.
Motor overload	Low voltage	Check power source.
		Check wire size and wire connections.
Unit does not start	Incorrect electrical connection or power source	Check wiring diagram, circuit fusing and circuit capacity.
	Impeller is damaged	Clean or replace impeller.
		Install proper filtration.
Blower does not generate any or generates insufficient pressure difference	Leak in system	Seal leak in system.
	Wrong direction of rotation	Reverse direction of rotation by interchanging two connecting leads.
	Incorrect frequency	Correct frequency.
	Shaft seal defective	Replace shaft seal.
	Different density of pumped gas	Take conversion of pressure values into account. Inquire with Republic Manufacturing.
	Impeller is damaged	Clean or replace impeller.
Blower leaking	Seals on muffler are defective	Check muffler seals and replace if necessary.
	Seals in motor area are defective	Check motor seals and replace if necessary.

In the Event of a Breakdown

1. Use a lockout/tagout procedure to ensure the blower may be worked on safely.
2. Refer to the "Troubleshooting" section of the manual to determine the cause of the breakdown and the appropriate action to take.
3. If further assistance is needed, please call Republic Manufacturing at 800-847-0380.

When to Ship the Blower Back to Republic

If you cannot fix or troubleshoot your blower system using this manual then a skilled Republic Manufacturing professional is required. Please ship your blower back to Republic Manufacturing.

Disabling, Dismantling, and Scrapping of Blower

1. Disable the blower using the lockout/tagout procedure outlined in the manual.
2. Scrap entire unit using a suitable disposal company.
3. Most components are aluminum, stainless steel, or zinc-plated mild steel and may be recycled or disposed of as such.

Warranty Terms and Conditions

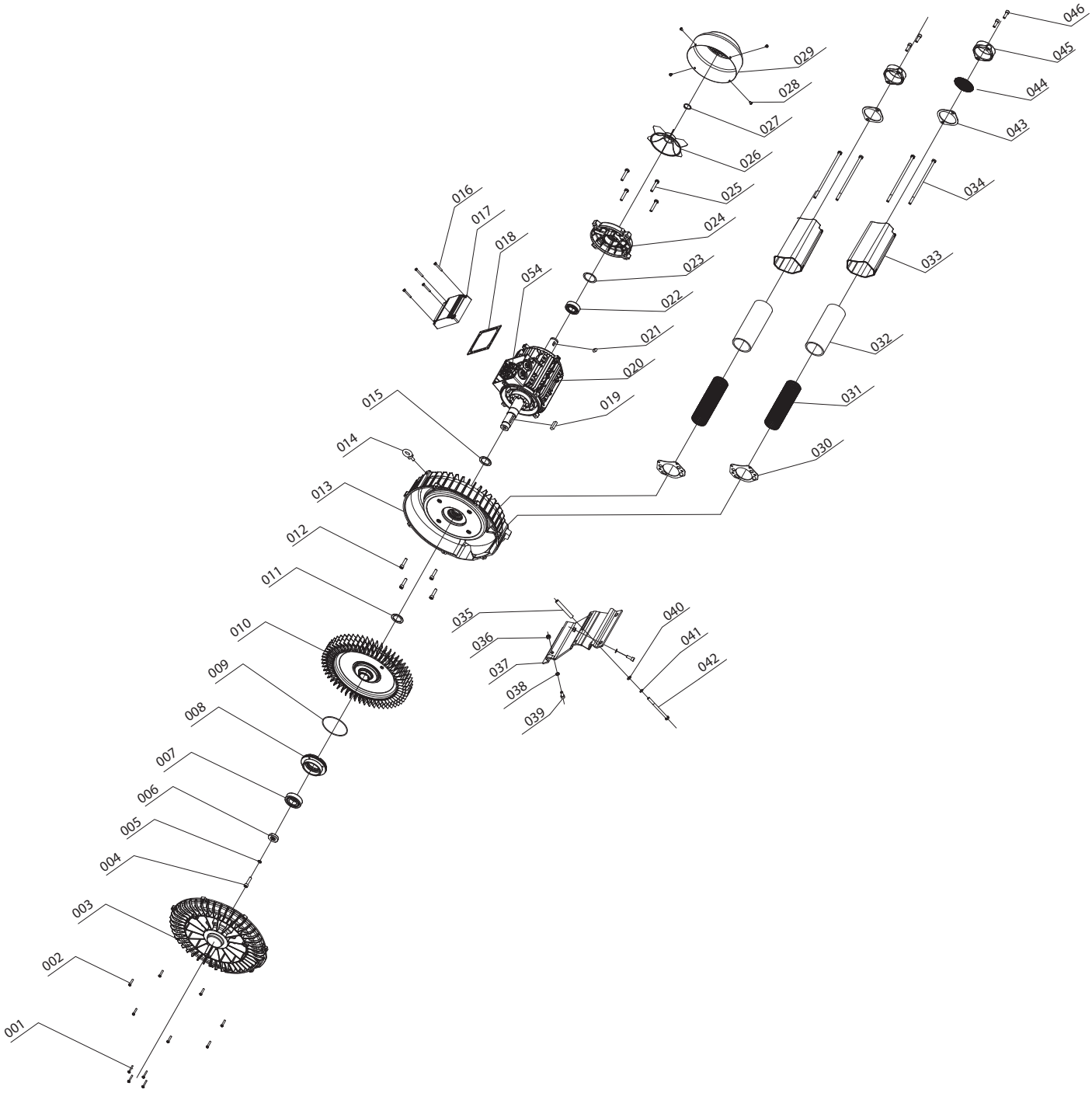
Republic Manufacturing warrants all finished Republic Manufacturing products to be free from functional defects in material and workmanship for a period of twelve (12) months from the date of installation, or no longer than eighteen (18) months from shipment.
Wear parts such as filter elements, hoses and piping are not covered by the 12 to 18 month warranty.

DISASSEMBLY OF BLOWER MAY VOID WARRANTY.

To obtain service within the warranty period, first contact your authorized Republic Manufacturing dealer or Republic Manufacturing Service Department. Republic's responsibility under this warranty shall be to provide an analysis of the blower, which will determine course of action. Any product found to be defective within the warranty period will merit either:
a. A no charge repair of existing blower. Any freight charges will be the purchaser's responsibility.
b. A replacement blower*. Any freight charges will be the purchaser's responsibility.
*This option would be a chargeable replacement until the original blower is received by Republic Manufacturing, and warranty is approved.

Republic Manufacturing shall not be liable for incidental nor consequential damages resulting from the use of this product. There are no expressed nor implied warranties, which extend beyond the warranty of merchantability or fitness for a particular purpose to the equipment and/or its parts and components.

Exploded View



Position No.	Description	4RC210-H16	4RC210-A75
003	Front Cover	3035700	3035700
007	Front bearing	3071800	3071800
008	Bearing cover	3081800	3081800
009	O-Ring	3095700	3095700
010	Impeller	3105700	3105700
013	Housing	3135700	3135700
015	Shaft lip seal	3155700	3155700
017	Junction box cover	3170100	3170100
018	Junction box gasket	3180100	3180100
019	Key	3191800	3191800
021	Rotor	3215700	3215800
022	Rear bearing	3220100	3220100
024	Motor cover	3240100	3240100
026	External fan	3260100	3260100
027	Retaining ring	3270100	3270100
029	Fan cowl	3290100	3290100
030	Gasket	3300100	3300100
031/032/033/034	Silencer Assembly	3500100	3500100
031	Silencer insert	3310100	3310100
032	Silencer inlet filter	3320100	3320100
033	Silencer housing	3330100	3330100
034	Silencer Bolts	3340100	3340100
043	Flange gasket	3430100	3430100
045	Flange	3450100	3450100
053	Capacitor	N/A	Contact Republic
054	Terminal Block	3540106/3540112	3540106/3540112

4RC-310

Position No.	Description	4RC310-H16	4RC310-H26	4RC310-A71
003	Front Cover	3036200	3036200	3036200
007	Front bearing	3071800	3071800	3071800
008	Bearing cover	3081800	3081800	3081800
009	O-Ring	3095700	3095700	3095700
010	Impeller	3106200	3106200	3106200
013	Housing	3136200	3136200	3136200
015	Shaft lip seal	3155700	3155700	3155700
017	Junction box cover	3170100	3170100	3170100
018	Junction box gasket	3180100	3180100	3180100
019	Key	3191800	3191800	3191800
021	Rotor	3216200	3216300	3216400
022	Rear bearing	3220100	3226000	3226000
024	Motor cover	3240100	3240900	3240900
026	External fan	3260100	3260900	3260900
027	Retaining ring	3270100	3270900	3270900
029	Fan cowl	3290100	3290100	3290900
030	Gasket	3300100	3300100	3300100
031/032/033/034	Silencer Assembly	3500100	3500100	3500100
031	Silencer insert	3310100	3310100	3310100
032	Silencer inlet filter	3320100	3320100	3320100
033	Silencer housing	3330100	3330100	3330100
034	Silencer bolts	3340100	3340100	3340100
043	Flange gasket	3430100	3430100	3430100
045	Flange	3450100	3450100	3450100
053	Capacitor	N/A	N/A	Contact Republic
054	Terminal Block	3540106/3540112	3540106/3540112	3540106/3540112

Position No.	Description	4RC410-H16	4RC410-A41
003	Front Cover	3036800	3036800
007	Front bearing	3071800	3071800
008	Bearing cover	3081800	3081800
009	O-Ring	3095700	3095700
010	Impeller	3106800	3106800
013	Housing	3136800	3136800
015	Shaft lip seal	3155700	3155700
017	Junction box cover	3170100	3170100
018	Junction box gasket	3180100	3180100
019	Key	3191800	3191800
021	Rotor	3216800	3216900
022	Rear bearing	3226000	3226000
024	Motor cover	3240900	3240900
026	External fan	3260900	3260900
027	Retaining ring	3270900	3270900
029	Fan cowl	3290900	3290900
030	Gasket	3300100	3300100
031/032/033/034	Silencer Assembly	3500100	3500100
031	Silencer insert	3310100	3310100
032	Silencer inlet filter	3320100	3320100
033	Silencer housing	3330100	3330100
034	Silencer bolts	3340100	3340100
043	Flange gasket	3430100	3430100
045	Flange	3450100	3450100
053	Capacitor	N/A	3533000
054	Terminal Block	3540106/3540112	3540106/3540112

4RC-510

Position No.	Description	4RC510-H16	4RC510-H26
003	Front Cover	3037200	3037200
007	Front bearing	3072900	3072900
008	Bearing cover	3082900	3082900
009	O-Ring	3092900	3092900
010	Impeller	3107200	3107200
013	Housing	3137200	3137200
015	Shaft lip seal	3157200	3157200
017	Junction box cover	3170100	3170100
018	Junction box gasket	3180100	3180100
019	Key	3192900	3192900
021	Rotor	3217200	3217300
022	Rear bearing	3226000	3226000
024	Motor cover	3241800	3241800
026	External fan	3261800	3261800
027	Retaining ring	3271500	3271500
029	Fan cowl	3291800	3292400
030	Gasket	3300100	3300100
031/032/033/034	Silencer Assembly	3500100	3500100
031	Silencer insert	3310100	3310100
032	Silencer inlet filter	3320100	3320100
033	Silencer housing	3330100	3330100
034	Silencer bolts	3340100	3340100
043	Flange gasket	3430100	3430100
045	Flange	3450100	3450100
054	Terminal Block	3540106/3540112	3540106/3540112

Position No.	Description	4RC610-H16	4RC610-H26
003	Front Cover	3037600	3037600
007	Front bearing	3072900	3072900
008	Bearing cover	3082900	3082900
009	O-Ring	3095700	3095700
010	Impeller	3107600	3107600
013	Housing	3137600	3137600
015	Shaft lip seal	3157200	3157200
017	Junction box cover	3170100	3170100
018	Junction box gasket	3180100	3180100
019	Key	3192900	3192900
021	Rotor	3217600	3217700
022	Rear bearing	3226000	3222100
024	Motor cover	3241800	3242500
026	External fan	3261800	3263100
027	Retaining ring	3271500	3273100
029	Fan cowl	3292400	3292400
030	Gasket	3300100	3300100
031/032/033/034	Silencer Assembly	3500100	3500100
031	Silencer insert	3310100	3310100
032	Silencer inlet filter	3320100	3320100
033	Silencer housing	3330100	3330100
034	Silencer bolts	3340100	3340100
043	Flange gasket	3430100	3430100
045	Flange	3450100	3450100
054	Terminal Block	3540106/3540112	3543106/3543112

HRC-025/025-1

Position No.	Description	HRC025	HRC025-1
003	Front Cover	3030100	3030100
007	Front bearing	3070100	3070100
008	Bearing cover	3080100	3080100
009	O-Ring	N/A	N/A
010	Impeller	3100100	3100100
013	Housing	3130100	3130100
015	Shaft lip seal	3150100	3150100
017	Junction box cover	3170100	3170100
018	Junction box gasket	3180100	318000
019	Key	3190100	3190100
021	Rotor	3210100	3210200
022	Rear bearing	3220100	3220100
024	Motor cover	3240100	3240100
026	External fan	3260100	3260100
027	Retaining ring	3270100	3270100
029	Fan cowl	3290100	3290100
030	Gasket	3300100	3300100
031/032/033/034	Silencer Assembly	3500100	3500100
031	Silencer insert	3310100	3310100
032	Silencer inlet filter	3320100	3320100
033	Silencer housing	3330100	3330100
034	Silencer bolts	3340100	3340100
043	Flange gasket	3430100	3430100
045	Flange	3450100	3450100
053	Capacitor	N/A	Contact Republic
054	Terminal Block	3540106/3540112	3540106/3540112

HRC-100/101

Position No.	Description	HRC100	HRC101
003	Front Cover	3030300	3030300
007	Front bearing	3070100	3070100
008	Bearing cover	3080100	3080100
009	O-Ring	N/A	N/A
010	Impeller	3100100	3100100
013	Housing	3130300	3130300
015	Shaft lip seal	3150100	3150100
017	Junction box cover	3170100	3170100
018	Junction box gasket	3180100	3180100
019	Key	3190100	3190100
021	Rotor	3210300	3210400
022	Rear bearing	3220100	3220100
024	Motor cover	3240100	3240100
026	External fan	3260100	3260100
027	Retaining ring	3270100	3270100
029	Fan cowl	3290100	3290100
030	Gasket	3300100	3300100
031/032/033/034	Silencer Assembly	3500100	3500100
031	Silencer insert	3310100	3310100
032	Silencer inlet filter	3320100	3320100
033	Silencer housing	3330100	3330100
034	Silencer bolts	3340100	3340100
043	Flange gasket	3430100	3430100
045	Flange	3450100	3450100
053	Capacitor	N/A	Contact Republic
054	Terminal Block	3540106/3540112	3540106/3540112

HRC-200/201

Position No.	Description	HRC200	HRC201
003	Front Cover	3031100	3031100
007	Front bearing	3071100	3071100
008	Bearing cover	3081100	3081100
009	O-Ring	N/A	N/A
010	Impeller	3101100	3101100
013	Housing	3131100	3131100
015	Shaft lip seal	3151100	3151100
017	Junction box cover	3170100	3170100
018	Junction box gasket	3180100	3180100
019	Key	3191100	3191100
021	Rotor	3211100	3211200
022	Rear bearing	3220100	3220100
024	Motor cover	3240100	3240100
026	External fan	3260100	3260100
027	Retaining ring	3270100	3270100
029	Fan cowl	3290100	3290100
030	Gasket	3301100	3301100
031/032/033/034	Silencer Assembly	3501100	3501100
031	Silencer insert	3311100	3311100
032	Silencer inlet filter	3321100	3321100
033	Silencer housing	3331100	3331100
034	Silencer bolts	3341100	3341100
043	Flange gasket	3431100	3431100
045	Flange	3451100	3451100
053	Capacitor	N/A	3531200
054	Terminal Block	3540106/3540112	3540106/3540112

Position No.	Description	HRC300	HRC301	HRC400	HRC401
003	Front Cover	3031800	3031800	3031800	3031800
007	Front bearing	3071800	3071800	3071800	3071800
008	Bearing cover	3081800	3081800	3081800	3081800
009	O-Ring	N/A	N/A	N/A	N/A
010	Impeller	3101800	3101800	3101800	3101800
013	Housing	3131800	3131800	3131800	3131800
015	Shaft lip seal	3151800	3151800	3151800	3151800
017	Junction box cover	3170100	3170100	3170100	3170100
018	Junction box gasket	3180100	3180100	3180100	3180100
019	Key	3191800	3191800	3191800	3191800
021	Rotor	3211800	3211900	3212000	3212100
022	Rear bearing	3221800	3221800	3221800	3222100
024	Motor cover	3241800	3241800	3241800	3241800
026	External fan	3261800	3261800	3261800	3261800
027	Retaining ring	3271500	3271500	3271500	3271500
029	Fan cowl	3291800	3291800	3292400	3291800
030	Gasket	3301800	3301800	3301800	3301800
031/032/033/034	Silencer Assembly	3501800	3501800	3501800	3501800
031	Silencer insert	3311800	3311800	3311800	3311800
032	Silencer inlet filter	3321800	3321800	3321800	3321800
033	Silencer housing	3331800	3331800	3331800	3331800
034	Silencer bolts	3341800	3341800	3341800	3341800
043	Flange gasket	3431800	3431800	3431800	3431800
045	Flange	3451800	3451800	3451800	3451800
053	Capacitor	N/A	Contact Republic	N/A	Contact Republic
054	Terminal Block	3540106/3540112	3540106/3540112	3540106/3540112	3540106/3540112

HRC-500/501/600/700

Position No.	Description	HRC500	HRC501	HRC600	HRC700
003	Front Cover	3032900	3032900	3032900	3032900
007	Front bearing	3072900	3072900	3072900	3072900
008	Bearing cover	3082900	3082900	3082900	3082900
009	O-Ring	3092900	3092900	3092900	3092900
010	Impeller	3102900	3102900	3102900	3102900
013	Housing	3132900	3132900	3132900	3132900
015	Shaft lip seal	3152000	3152000	3152000	3152000
017	Junction box cover	3170100	3170100	3173100	3173100
018	Junction box gasket	3180100	3180100	3183100	3183100
019	Key	3192900	3192900	3192900	3192900
021	Rotor	3212900	3213000	3213100	3213200
022	Rear bearing	3221800	3222100	3223100	3223100
024	Motor cover	3241800	3241800	3242500	3242500
026	External fan	3261800	3261800	3263100	3263100
027	Retaining ring	3271500	3271500	3273100	3273100
029	Fan cowl	3292400	3292400	3292900	3292900
030	Gasket	3301800	3301800	3301800	3301800
031/032/033/034	Silencer Assembly	3501800	3501800	3501800	3501800
031	Silencer insert	3311800	3311800	3311800	3311800
032	Silencer inlet filter	3321800	3321800	3321800	3321800
033	Silencer housing	3331800	3331800	3331800	3331800
034	Silencer bolts	3341800	3341800	3341800	3341800
043	Flange gasket	3431800	3431800	3431800	3431800
045	Flange	3451800	3451800	3451800	3451800
053	Capacitor	N/A	3533000	N/A	N/A
054	Terminal Block	3540106/3540112	3540106/3540112	3543106/3543112	3543106/3543112

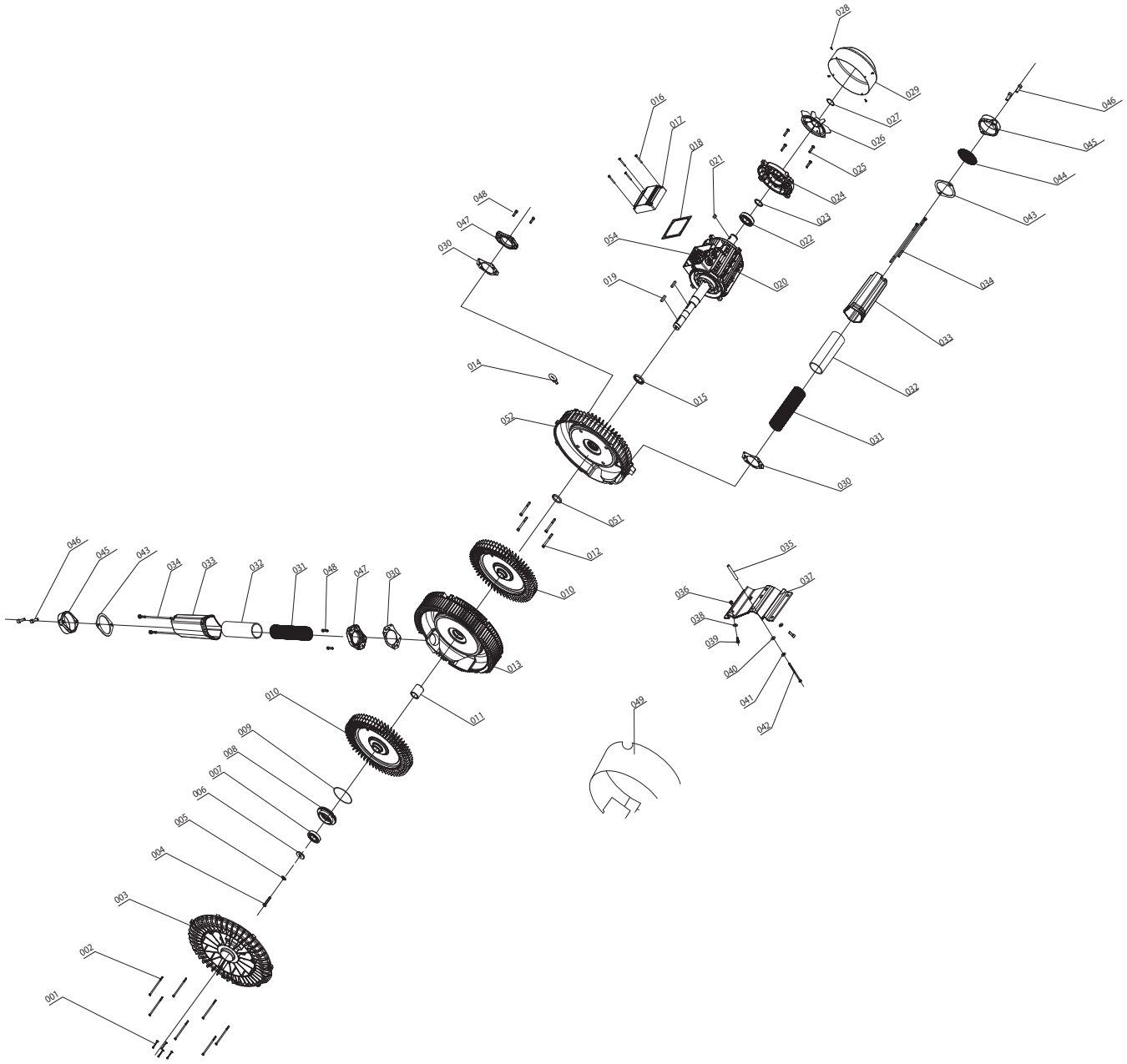
Position No.	Description	HRC750	HRC800	HRC900	HRC1000
003	Front Cover	3033900	3033900	3033900	3033900
007	Front bearing	3073900	3073900	3073900	3073900
008	Bearing cover	3083900	3083900	3083900	3083900
009	O-Ring	3093900	3093900	3093900	3093900
010	Impeller	3103900	3103900	3103900	3103900
013	Housing	3133900	3133900	3133900	3133900
015	Shaft lip seal	3154200	3154200	3154200	3154200
017	Junction box cover	3173100	3174000	3174000	3174000
018	Junction box gasket	3184000	3184000	3184000	3184000
019	Key	3193900	3193900	3193900	3193900
021	Rotor	3213900	3214000	3214100	3218100
022	Rear bearing	3223100	3224000	3224000	3224900
024	Motor cover	3242500	3243500	3243500	3243500
026	External fan	3263100	3264000	3264000	3264000
027	Retaining ring	3273100	3274000	3274000	3274000
029	Fan cowl	3293900	3294400	3294400	3294400
030	Gasket	3303900	3303900	3303900	3303900
031/032/033/034	Silencer Assembly	3503900	3503900	3503900	3503900
031	Silencer insert	3313900	3313900	3313900	3313900
032	Silencer inlet filter	3323900	3323900	3323900	3323900
033	Silencer housing	3334400	3334400	3334400	3334400
034	Silencer bolts	3344400	3344400	3344400	3344400
043	Flange gasket	3434400	3434400	3434400	3434400
045	Flange	3454400	3454400	3454400	3454400
054	Terminal Block	3543106/3543112	3544006/3544012	3544006/3544012	3544006/3544012

HRC-1020/1040/1060

Position No.	Description	HRC1020	HRC1040	HRC1060
003	Front Cover	3033900	3033900	3033900
007	Front bearing	3073900	3073900	3073900
008	Bearing cover	3083900	3083900	3083900
009	O-Ring	3093900	3093900	3093900
010	Impeller	3104400	3104400	3104400
013	Housing	3134400	3134400	3134400
015	Shaft lip seal	3154200	3154200	3154200
017	Junction box cover	3173100	3174000	3174000
018	Junction box gasket	3183100	3184000	3184000
019	Key	3193900	3193900	3193900
021	Rotor	3214400	3214500	3214600
022	Rear bearing	3223100	3224000	3224000
024	Motor cover	3242500	3243500	3243500
026	External fan	3263100	3264000	3264000
027	Retaining ring	3273100	3274000	3274000
029	Fan cowl	3293900	3294400	3294400
030	Gasket	3303900	3303900	3303900
031/032/033/034	Silencer Assembly	3503900	3503900	3503900
031	Silencer insert	3313900	3313900	3313900
032	Silencer inlet filter	3323900	3323900	3323900
033	Silencer housing	3334400	3334400	3334400
034	Silencer bolts	3344400	3344400	3344400
043	Flange gasket	3434400	3434400	3434400
045	Flange	3454400	3454400	3454400
054	Terminal Block	3543106/3543112	3544006/3544012	3544006/3544012

Position No.	Description	HRC1100	HRC1200	HRC1300
003	Front Cover	3034800	3034800	3034800
007	Front bearing	3074800	3074800	3074800
008	Bearing cover	3084800	3084800	3084800
009	O-Ring	3093900	3093900	3093900
010	Impeller	3104800	3104800	3104800
013	Housing	3134800	3134800	3134800
015	Shaft lip seal	3154800	3154800	3154800
017	Junction box cover	3174000	3174900	3174900
018	Junction box gasket	3184000	3184900	3184900
019	Key	3194800	3194800	3194800
021	Rotor	3214800	3214900	3215000
022	Rear bearing	3224000	3224900	3224900
024	Motor cover	3243500	3244200	3244200
026	External fan	3264000	3264900	3264900
027	Retaining ring	3274000	3274900	3274900
029	Fan cowl	3294400	3294800	3294800
030	Gasket	3304900	3304900	3304900
031/032/033/034	Silencer Assembly	3504800	3504800	3504800
031	Silencer insert	3314800	3314800	3314800
032	Silencer inlet filter	3324800	3324800	3324800
033	Silencer housing	3334800	3334800	3334800
034	Silencer bolts	3344800	3344800	3344800
043	Flange gasket	3434800	3434800	3434800
045	Flange	3454800	3454800	3454800
054	Terminal Block	3544006/3544012	3544006/3544012	3544006/3544012

Republic Regenerative Blower
Exploded View Double Stage Blowers



Position No.	Description	4RC220-H26	4RC220-H56	4RC220-A75
003	Front Cover	3035700	3035700	3035700
007	Front bearing	3071800	3071800	3071800
008	Bearing cover	3081800	3081800	3081800
009	O-Ring	3095700	3095700	3095700
010	Impeller	3105700	3105700	3105700
013	Housing	3135900	3135900	3135900
015	Shaft lip seal	3152000	3152000	3152000
017	Junction box cover	3170100	3170100	3170100
018	Junction box gasket	3180100	3180100	3180100
019	Key	3191800	3191800	3191800
021	Rotor	3215900	3216000	3216100
022	Rear bearing	3220100	3226000	3222100
024	Motor cover	3240900	3241800	3241800
026	External fan	3260100	3261800	3261800
027	Retaining ring	3270900	3271500	3271500
029	Fan cowl	3290900	3291800	3291800
030	Gasket	3300100	3301000	3300100
031/032/033/034	Silencer Assembly	3500100	3500100	3500100
031	Silencer insert	3310100	3310100	3310100
032	Silencer inlet filter	3320100	3320100	3320100
033	Silencer housing	3330100	3330100	3330100
034	Silencer bolts	3340100	3340100	3340100
043	Flange gasket	3430100	3430100	3430100
045	Flange	3450100	3450100	3450100
049	Shroud	3495700	3495700	3495700
051	Seal	3515700	3515700	3515700
052	Channel	3525900	3525900	3525900
053	Capacitor	N/A	N/A	Contact Republic
054	Terminal Block	3540106/3540112	3540106/3540112	3540106/3540112

4RC-320

Position No.	Description	4RC320-H46	4RC320-H56	4RC320-A75
003	Front Cover	3036200	3036200	3036200
007	Front bearing	3071800	3071800	3071800
008	Bearing cover	3081800	3081800	3081800
009	O-Ring	3095700	3095700	3095700
010	Impeller	3106200	3106200	3106200
013	Housing	3136500	3136500	3136500
015	Shaft lip seal	3152000	3152000	3152000
017	Junction box cover	3170100	3170100	3170100
018	Junction box gasket	3180100	3180100	3180100
019	Key	3191800	3191800	3191800
021	Rotor	3216500	3216600	3216700
022	Rear bearing	3226000	3226000	3222100
024	Motor cover	3240900	3241800	3241800
026	External fan	3260900	3261800	3261800
027	Retaining ring	3270900	3271500	3271500
029	Fan cowl	3290900	3291800	3291800
030	Gasket	3300100	3300100	3300100
031/032/033/034	Silencer Assembly	3500100	3500100	3500100
031	Silencer insert	3310100	3310100	3310100
032	Silencer inlet filter	3320100	3320100	3320100
033	Silencer housing	3330100	3330100	3330100
034	Silencer bolts	3340100	3340100	3340100
043	Flange gasket	3430100	3430100	3430100
045	Flange	3450100	3450100	3450100
049	Shroud	3496200	3496200	3496200
051	Seal	3516200	3516200	3516200
052	Channel	3526500	3526500	3526500
053	Capacitor	N/A	N/A	Contact Republic
054	Terminal Block	3540106/3540112	3540106/3540112	3540106/3540112

Position No.	Description	4RC420-H26	4RC420-H56
003	Front Cover	3036800	3036800
007	Front bearing	3071800	3071800
008	Bearing cover	3081800	3081800
009	O-Ring	3095700	3095700
010	Impeller	3106800	3106800
013	Housing	3137000	3137000
015	Shaft lip seal	3152000	3152000
017	Junction box cover	3170100	3170100
018	Junction box gasket	3180100	3180100
019	Key	3191800	3191800
021	Rotor	3217000	3217100
022	Rear bearing	3226000	3222100
024	Motor cover	3241800	3242500
026	External fan	3261800	3263100
027	Retaining ring	3271500	3273100
029	Fan cowl	3291800	3292400
030	Gasket	3300100	3300100
031/032/033/034	Silencer Assembly	3500100	3500100
031	Silencer insert	3310100	3310100
032	Silencer inlet filter	3320100	3320100
033	Silencer housing	3330100	3330100
034	Silencer bolts	3340100	3340100
043	Flange gasket	3430100	3430100
045	Flange	3450100	3450100
049	Shroud	3496800	3496800
051	Seal	3516800	3516800
052	Channel	3527000	3527000
054	Terminal Block	3540106/3540112	3543106/3543112

4RC-520

Position No.	Description	4RC520-H26	4RC520-H77
003	Front Cover	3037200	3037200
007	Front bearing	3072900	3072900
008	Bearing cover	3082900	3082900
009	O-Ring	3092900	3092900
010	Impeller	3107200	3107200
013	Housing	3137400	3137400
015	Shaft lip seal	3157600	3157600
017	Junction box cover	3170100	3173100
018	Junction box gasket	3180100	3183100
019	Key	3192900	3192900
021	Rotor	3217400	3217500
022	Rear bearing	3226000	3223100
024	Motor cover	3241800	3242500
026	External fan	3261800	3263100
027	Retaining ring	3271500	3273100
029	Fan cowl	3292400	3292900
030	Gasket	3300100	3300100
031/032/033/034	Silencer Assembly	3500100	3500100
031	Silencer insert	3310100	3310100
032	Silencer inlet filter	3320100	3320100
033	Silencer housing	3330100	3330100
034	Silencer bolts	3340100	3340100
043	Flange gasket	3430100	3430100
045	Flange	3450100	3450100
049	Shroud	3497200	3497200
051	Seal	3517200	3517200
052	Channel	3527400	3527400
054	Terminal Block	3540106/3540112	3543106/3543112

Position No.	Description	4RC620-H36	4RC620-H57
003	Front Cover	3037600	3037600
007	Front bearing	3072900	3072900
008	Bearing cover	3082900	3082900
009	O-Ring	3092900	3092900
010	Impeller	3107600	3107600
013	Housing	3137800	3137800
015	Shaft lip seal	3157600	3157600
017	Junction box cover	3170100	3174000
018	Junction box gasket	3180100	3184000
019	Key	3192900	3192900
021	Rotor	3217800	3217900
022	Rear bearing	3222100	3224000
024	Motor cover	3242500	3243500
026	External fan	3263100	3264000
027	Retaining ring	3273100	3274000
029	Fan cowl	3292400	3294400
030	Gasket	3300100	3300100
031/032/033/034	Silencer Assembly	3500100	3500100
031	Silencer insert	3310100	3310100
032	Silencer inlet filter	3320100	3320100
033	Silencer housing	3330100	3330100
034	Silencer bolts	3340100	3340100
043	Flange gasket	3430100	3430100
045	Flange	3450100	3450100
049	Shroud	3497600	3497600
051	Seal	3517600	3517600
052	Channel	3527800	3527800
054	Terminal Block	3543106/3543112	3544006/3544012

4RC-430

Position No.	Description	4RC630-H67
003	Front Cover	3037600
007	Front bearing	3072900
008	Bearing cover	3082900
009	O-Ring	3092900
010	Impeller	3108000
013	Housing	3138000
015	Shaft lip seal	3157600
017	Junction box cover	3174000
018	Junction box gasket	3184000
019	Key	3192900
021	Rotor	3218000
022	Rear bearing	3224000
024	Motor cover	3243500
026	External fan	3264000
027	Retaining ring	3274000
029	Fan cowl	3294400
030	Gasket	3300100
031/032/033/034	Silencer Assembly	3500100
031	Silencer insert	3310100
032	Silencer inlet filter	3320100
033	Silencer housing	3330100
034	Silencer bolts	3340100
043	Flange gasket	3430100
045	Flange	3450100
049	Shroud	3497600
051	Seal	3518000
052	Channel	3528000
054	Terminal Block	3544006/3544012

Position No.	Description	HRC202	HRC202/1
003	Front Cover	3030500	3030500
007	Front bearing	3070100	3070100
008	Bearing cover	3080100	3080100
009	O-Ring	N/A	N/A
010	Impeller	3100100	3100100
013	Housing	3130500	3130500
015	Shaft lip seal	3150100	3150100
017	Junction box cover	3170100	3170100
018	Junction box gasket	3180100	3180100
019	Key	3190100	3190100
021	Rotor	3210500	3210600
022	Rear bearing	3220100	3220100
024	Motor cover	3240100	3240600
026	External fan	3260100	3260100
027	Retaining ring	3270100	3270600
029	Fan cowl	3290100	3290100
030	Gasket	3300100	3300100
031/032/033/034	Silencer Assembly	3500100	3500100
031	Silencer insert	3310100	3310100
032	Silencer inlet filter	3320100	3320100
033	Silencer housing	3330100	3330100
034	Silencer bolts	3340100	3340100
043	Flange gasket	3430100	3430100
045	Flange	3450100	3450100
049	Shroud	3490500	3490500
051	Seal	3510100	3510100
052	Channel	3520500	3520500
053	Capacitor	N/A	3531200
054	Terminal Block	3540106/3540112	3540106/3540112

HRC-302/302-1

Position No.	Description	HRC302	HRC302/1
003	Front Cover	3030900	3030900
007	Front bearing	3070100	3070100
008	Bearing cover	3080100	3080100
009	O-Ring	N/A	N/A
010	Impeller	3100100	3100100
013	Housing	3130900	3130900
015	Shaft lip seal	3150100	3150100
017	Junction box cover	3170100	3170100
018	Junction box gasket	3180100	3180100
019	Key	3190100	3190100
021	Rotor	3210900	3211000
022	Rear bearing	3221800	3221800
024	Motor cover	3240900	3240900
026	External fan	3260900	3260900
027	Retaining ring	3270900	3270900
029	Fan cowl	3290900	3290900
030	Gasket	3300100	3300100
031/032/033/034	Silencer Assembly	3500100	3500100
031	Silencer insert	3310100	3310100
032	Silencer inlet filter	3320100	3320100
033	Silencer housing	3330100	3330100
034	Silencer bolts	3340100	3340100
043	Flange gasket	3430100	3430100
045	Flange	3450100	3450100
049	Shroud	3490900	3490900
051	Seal	3510100	3510100
052	Channel	3520900	3520900
053	Capacitor	N/A	Contact Republic
054	Terminal Block	3540106/3540112	3540106/3540112

Position No.	Description	HRC402S	HRC402	HRC402/1
003	Front Cover	3031600	3031600	3031600
007	Front bearing	3071100	3071100	3071100
008	Bearing cover	3081100	3081100	3081100
009	O-Ring	N/A	N/A	N/A
010	Impeller	3101500	3101100	3101100
013	Housing	3131600	3131600	3131600
015	Shaft lip seal	3151100	3151100	3151100
017	Junction box cover	3170100	3170100	3170100
018	Junction box gasket	3180100	3180100	3180100
019	Key	3191100	3191100	3191100
021	Rotor	3211500	3211600	3211700
022	Rear bearing	3221800	3221800	3222100
024	Motor cover	3241800	3241800	3241800
026	External fan	3261800	3261800	3261800
027	Retaining ring	3271500	3271500	3271500
029	Fan cowl	3291800	3292400	3292400
030	Gasket	3301100	3301100	3301100
031/032/033/034	Silencer Assembly	3501100	3501100	3501100
031	Silencer insert	3311100	3311100	3311100
032	Silencer inlet filter	3321100	3321100	3321100
033	Silencer housing	3331100	3331100	3331100
034	Silencer bolts	3341100	3341100	3341100
043	Flange gasket	3431100	3431100	3431100
045	Flange	3451100	3451100	3451100
049	Shroud	3491600	3491600	3491600
051	Seal	3511500	3511100	3511100
052	Channel	3521600	3521600	3521600
053	Capacitor	N/A	N/A	Contact Republic
054	Terminal Block	3540106/3540112	3540106/3540112	3540106/3540112

HRC-502/602/702

Position No.	Description	HRC502	HRC602	HRC702
003	Front Cover	3032400	3032400	3032400
007	Front bearing	3071800	3071800	3071800
008	Bearing cover	3081800	3081800	3081800
009	O-Ring	N/A	N/A	N/A
010	Impeller	3101800	3101800	3101800
013	Housing	3132400	3132400	3132400
015	Shaft lip seal	3151800	3152000	3152000
017	Junction box cover	3170100	3173100	3173100
018	Junction box gasket	3183100	3183100	3183100
019	Key	3191800	3191800	3191800
021	Rotor	3212400	3212500	3212600
022	Rear bearing	3221800	3223100	3223100
024	Motor cover	3241800	3242500	3242500
026	External fan	3261800	3263100	3263100
027	Retaining ring	3271500	3273100	3273100
029	Fan cowl	3292400	3292900	3292900
030	Gasket	3301800	3301800	3301800
031/032/033/034	Silencer Assembly	3501800	3501800	3501800
031	Silencer insert	3311800	3311800	3311800
032	Silencer inlet filter	3321800	3321800	3321800
033	Silencer housing	3331800	3331800	3331800
034	Silencer bolts	3341800	3341800	3341800
043	Flange gasket	3431800	3431800	3431800
045	Flange	3451800	3451800	3451800
049	Shroud	3492400	3492400	3492400
051	Seal	3512000	3512000	3512000
052	Channel	3522400	3522400	3522400
054	Terminal Block	3540106/3540112	3543106/3543112	3543106/3543112

Position No.	Description	HRC802	HRC902	HRC1002
003	Front Cover	3033400	3033400	3033400
007	Front bearing	3072900	3072900	3072900
008	Bearing cover	3082900	3082900	3082900
009	O-Ring	3092900	3092900	3092900
010	Impeller	3102900	3102900	3102900
013	Housing	3133400	3133400	3133400
015	Shaft lip seal	3152000	3153400	3153400
017	Junction box cover	3173100	3174000	3174000
018	Junction box gasket	3183100	3184000	3184000
019	Key	3192900	3192900	3192900
021	Rotor	3213400	3213500	3213600
022	Rear bearing	3223100	3224000	3224000
024	Motor cover	3242500	3243500	3243500
026	External fan	3263100	3264000	3264000
027	Retaining ring	3273100	3274000	3274000
029	Fan cowl	3293900	3294400	3294400
030	Gasket	3301800	3301800	3301800
031/032/033/034	Silencer Assembly	3501800	3501800	3501800
031	Silencer insert	3311800	3311800	3311800
032	Silencer inlet filter	3321800	3321800	3321800
033	Silencer housing	3331800	3331800	3331800
034	Silencer bolts	3341800	3341800	3341800
043	Flange gasket	3431800	3431800	3431800
045	Flange	3451800	3451800	3451800
049	Shroud	3493400	3493400	3493400
051	Seal	3513400	3513400	3513400
052	Channel	3523400	3523400	3523400
054	Terminal Block	3543106/3543112	3544006/3544012	3544006/3544012

HRC-1102/1202

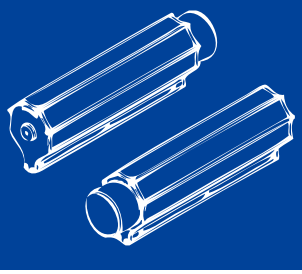
Position No.	Description	HRC1102	HRC1202
003	Front Cover	3034200	3034200
007	Front bearing	3073900	3073900
008	Bearing cover	3083900	3083900
009	O-Ring	3093900	3093900
010	Impeller	3103900	3103900
013	Housing	3134200	3134200
015	Shaft lip seal	3154200	3154200
017	Junction box cover	3174900	3174900
018	Junction box gasket	3184900	3184900
019	Key	3193900	3193900
021	Rotor	3214200	3214300
022	Rear bearing	3224900	3224900
024	Motor cover	3244200	3244200
026	External fan	3264900	3264900
027	Retaining ring	3274900	3274900
029	Fan cowl	3294800	3294800
030	Gasket	3303900	3303900
031/032/033/034	Silencer Assembly	3503900	3503900
031	Silencer insert	3313900	3313900
032	Silencer inlet filter	3323900	3323900
033	Silencer housing	3334400	3334400
034	Silencer bolts	3344400	3344400
043	Flange gasket	3434400	3434400
045	Flange	3454400	3454400
049	Shroud	3494200	3494200
051	Seal	3514200	3514200
052	Channel	3524200	3524200
054	Terminal Block	3544006/3544012	3544006/3544012

HRC-1203/1402/1452/1502

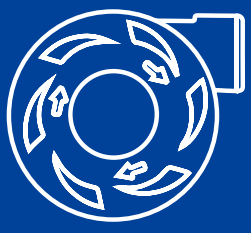
Position No.	Description	HRC1302	HRC1402	HRC1452	HRC1502
003	Front Cover	3035100	3035100	3035100	3035100
007	Front bearing	3074800	3074800	3074800	3074800
008	Bearing cover	3084800	3084800	3084800	3084800
009	O-Ring	3093900	3093900	3093900	3093900
010	Impeller	3104800	3104800	3104800	3104800
013	Housing	3135100	3135100	3135100	3135100
015	Shaft lip seal	3154800	3154800	3154800	3154800
017	Junction box cover	3174900	3174900	3174900	3174900
018	Junction box gasket	3184900	3184900	3184900	3184900
019	Key	3194800	3194800	3194800	3194800
021	Rotor	3215100	3215200	3215300	3215400
022	Rear bearing	3224900	3224900	3224900	3224900
024	Motor cover	3244200	3244200	3244200	3244200
026	External fan	3264900	3264900	3264900	3264900
027	Retaining ring	3274900	3274900	3274900	3274900
029	Fan cowl	3294800	3294800	3294800	3295100
030	Gasket	3304900	3304900	3304900	3304900
031/032/033/034	Silencer Assembly	3504800	3504800	3504800	3504800
031	Silencer insert	3314800	3314800	3314800	3314800
032	Silencer inlet filter	3324800	3324800	3324800	3324800
033	Silencer housing	3334800	3334800	3334800	3334800
034	Silencer bolts	3344800	3344800	3344800	3344800
043	Flange gasket	3434800	3434800	3434800	3434800
045	Flange	3454800	3454800	3454800	3454800
049	Shroud	3495100	3495100	3495100	3495100
051	Seal	3514800	3514800	3514800	3514800
052	Channel	3525100	3525100	3525100	3525100
054	Terminal Block	3544006/3544012	3544006/3544012	3544006/3544012	3544006/3544012

REPUBLIC MANUFACTURING

Air Knife Systems



Centrifugal Blowers



Regenerative Blowers

Vacuum Pumps

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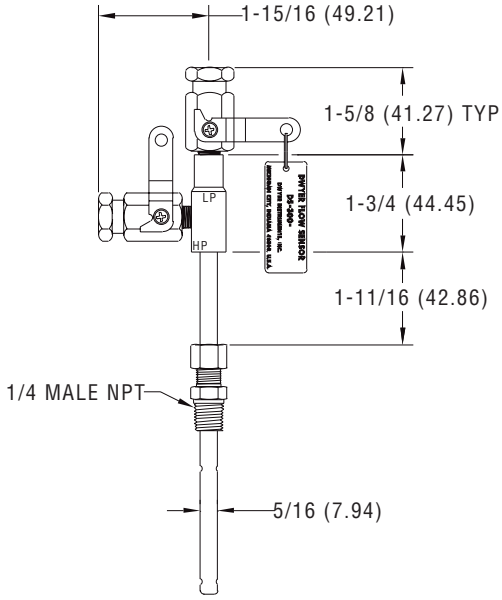
Series DS-300 Flow Sensors

Installation and Operating Instructions Flow Calculations



Series DS-300 Flow Sensors are averaging pitot tubes that provide accurate, convenient flow rate sensing. When purchased with a Dwyer Capsuhelic® for liquid flow or Magnehelic® for air flow, differential pressure gage of appropriate range, the result is a flow-indicating system delivered off the shelf at an economical price. Series DS-300 Flow Sensors are designed to be inserted in the pipeline through a compression fitting and are furnished with instrument shut-off valves on both pressure connections. Valves are fitted with 1/8″ female NPT connections. Accessories include adapters with 1/4″ SAE 45° flared ends compatible with hoses supplied with the Model A-471 Portable Capsuhelic® kit. Standard valves are rated at 200°F (93.3°C). Where valves are not required, they can be omitted at reduced cost. Series DS-300 Flow Sensors are available for pipe sizes from 1″ to 10″.

INSPECTION

Inspect sensor upon receipt of shipment to be certain it is as ordered and not damaged. If damaged, contact carrier.

INSTALLATION

General - The sensing ports of the flow sensor must be correctly positioned for measurement accuracy. The instrument connections on the sensor indicate correct positioning. The side connection is for total or high pressure and should be pointed upstream. The top connection is for static or low pressure.

Location - The sensor should be installed in the flowing line with as much straight run of pipe upstream as possible. A rule of thumb is to allow 10 - 15 pipe diameters upstream and 5 downstream. The table below lists recommended up and down piping.

PRESSURE AND TEMPERATURE

Maximum: 200 psig (13.78 bar) at 200°F (93.3°C).

Upstream and Downstream Dimensions in Terms of Internal Diameter of Pipe*

Upstream Condition	Minimum Diameter of Straight Pipe		
	Upstream		Downstream
	In-Plane	Out of Plane	
One Elbow or Tee	7	9	5
Two 90° Bends in Same Plane	8	12	5
Two 90° Bends in Different Plane	18	24	5
Reducers or Expanders	8	8	5
All Valves**	24	24	5

* Values shown are recommended spacing, in terms of internal diameter for normal industrial metering requirements. For laboratory or high accuracy work, add 25% to values.

** Includes gate, globe, plug and other throttling valves that are only partially opened. If valve is to be fully open, use values for pipe size change. **CONTROL VALVES SHOULD BE LOCATED AFTER THE FLOW SENSOR.**

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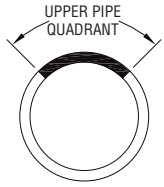
POSITION

Be certain there is sufficient clearance between the mounting position and other pipes, walls, structures, etc, so that the sensor can be inserted through the mounting unit once the mounting unit has been installed onto the pipe.

Flow sensors should be positioned to keep air out of the instrument connecting lines on liquid flows and condensate out of the lines on gas flows. The easiest way to assure this is to install the sensor into the pipe so that air will bleed into, or condensate will drain back to, the pipe.

For Air or Gas Flow

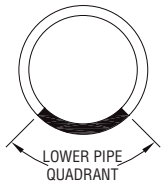
Install in upper quadrant of pipe



Condensate drains back to pipe

For Liquid or Steam Flow

Install in lower quadrant of pipe



Air bleeds back to pipe

INSTALLATION

1. When using an A-160 thred-o-let, weld it to the pipe wall. If replacing a DS-200 unit, an A-161 bushing (1/4˝ x 3/8˝) will be needed.

2. Drill through center of the thred-o-let into the pipe with a drill that is slightly larger than the flow sensor diameter.

3. Install the packing gland using proper pipe sealant. If the packing gland is disassembled, note that the tapered end of the ferrule goes into the fitting body.

4. Insert sensor until it bottoms against opposite wall of the pipe, then withdraw 1/16˝ to allow for thermal expansion.

5. Tighten packing gland nut finger tight. Then tighten nut with a wrench an additional 1-1/4 turns. Be sure to hold the sensor body with a second wrench to prevent the sensor from turning.

INSTRUMENT CONNECTION

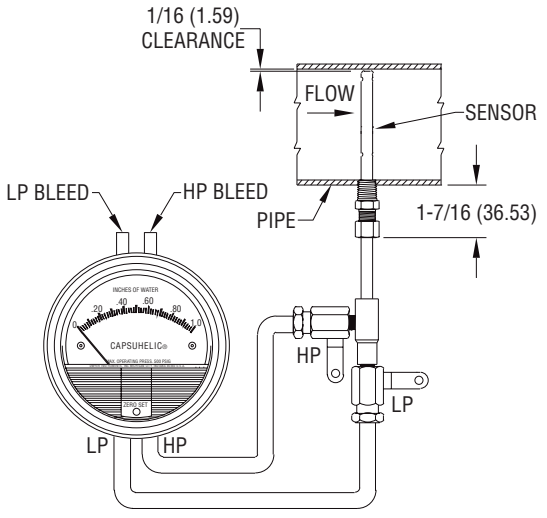
Connect the slide pressure tap to the high pressure port of the Magnehelic® (air only) or Capsuhelic® gage or transmitting instrument and the top connection to the low pressure port.

See the connection schematics below.

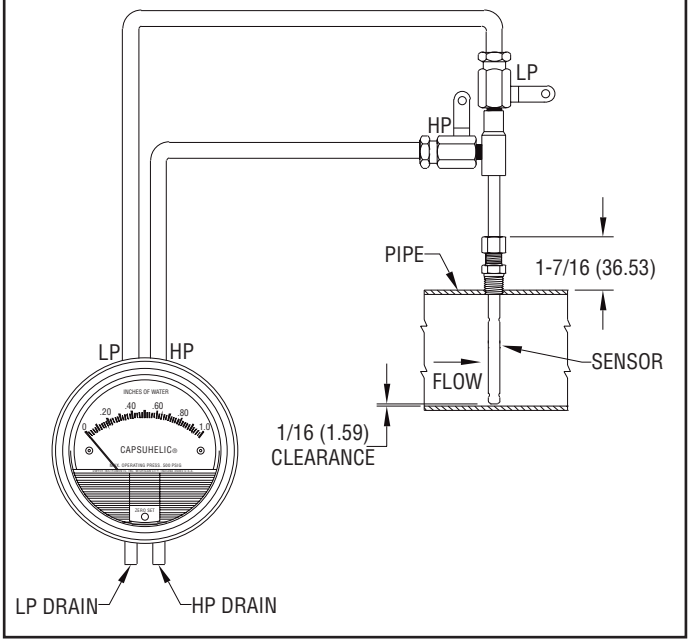
Bleed air from instrument piping on liquid flows. Drain any condensate from the instrument piping on air and gas flows.

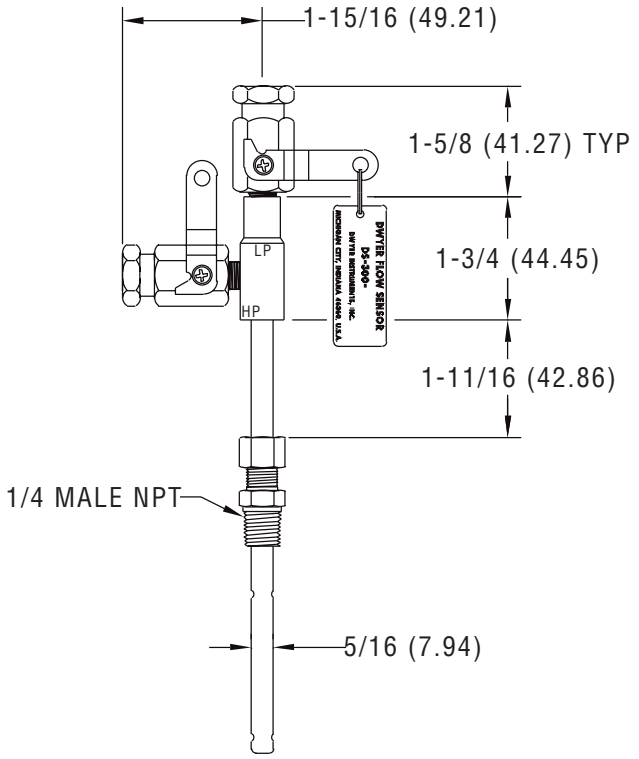
Open valves to instrument to place flow meter into service. For permanent installations, a 3-valve manifold is recommended to allow the gage to be zero checked without interrupting the flow. The Dwyer A-471 Portable Test Kit includes such a device.

Water Flow



Air or Gas Flow





Flow Calculations and Charts

The following information contains tables and equations for determining the differential pressure developed by the DS-300 Flow Sensor for various flow rates of water, steam, air or other gases in different pipe sizes.

This information can be used to prepare conversion charts to translate the differential pressure readings being sensed into the equivalent flow rate. When direct readout of flow is required, use this information to calculate the full flow differential pressure in order to specify the exact range of Dwyer Magnehelic® or Capsuhelic® gage required. Special ranges and calculations are available for these gages at minimal extra cost. See bulletins A-30 and F-41 for additional information on Magnehelic® and Capsuhelic® gages and DS-300 flow sensors.

For additional useful information on making flow calculations, the following service is recommended: Crane Valve Co. Technical Paper No. 410 “Flow of Fluids Through Valves, Fittings and Pipe.” It is available from Crane Valve Company, www.cranevalve.com.

Using the appropriate differential pressure equation from Page 4 of this bulletin,calculate the differential pressure generated by the sensor under normal operating conditions of the system. Check the chart below to determine if this value is within the recommended operating range for the sensor. Note that the data in this chart is limited to standard conditions of air at 60°F (15.6°C) and 14.7 psia static line pressure or water at 70°F (21.1°C). To determine recommended operating ranges of other gases, liquids an/or operating conditions, consult factory.

Note: the column on the right side of the chart which defines velocity ranges to avoid. Continuous operation within these ranges can result in damage to the flow sensor caused by excess vibration.

Pipe Size (Schedule 40)	Flow Coefficient “K”	Operating Ranges Air @ 60°F & 14.7 psia (D/P in. W.C.)	Operating Ranges Water @ 70°F (D/P in. W.C.)	Velocity Ranges Not Recommended (Feet per Second)
1	0.52	1.10 to 186	4.00 to 675	146 to 220
1-1/4	0.58	1.15 to 157	4.18 to 568	113 to 170
1-1/2	0.58	0.38 to 115	1.36 to 417	96 to 144
2	0.64	0.75 to 75	2.72 to 271	71 to 108
2-1/2	0.62	1.72 to 53	6.22 to 193	56 to 85
3	0.67	0.39 to 35	1.43 to 127	42 to 64
4	0.67	0.28 to 34	1.02 to 123	28 to 43
6	0.71	0.64 to 11	2.31 to 40	15 to 23
8	0.67	0.10 to 10	0.37 to 37	9.5 to 15
10	0.70	0.17 to 22	0.60 to 79	6.4 to 10

FLOW EQUATIONS

1. Any Liquid

$$Q\ (GPM) = 5.668 \times K \times D^2 \times \sqrt{\Delta P / S_f}$$

2. Steam or Any Gas

$$Q\ (lb/Hr) = 359.1 \times K \times D^2 \times \sqrt{p \times \Delta P}$$

3. Any Gas

$$Q\ (SCFM) = 128.8 \times K \times D^2 \times \sqrt{\frac{P \times \Delta P}{(T + 460) \times S_s}}$$

DIFFERENTIAL PRESSURE EQUATIONS

1. Any Liquid

$$\Delta P\ (in.\ WC) = \frac{Q^2 \times S_f}{K^2 \times D^4 \times 32.14}$$

2. Steam or Any Gas

$$\Delta P\ (in.\ WC) = \frac{Q^2}{K^2 \times D^4 \times p \times 128{,}900}$$

3. Any Gas

$$\Delta P\ (in.\ WC) = \frac{Q^2 \times S_s \times (T + 460)}{K^2 \times D^4 \times P \times 16{,}590}$$

Technical Notations

The following notations apply:

ΔP = Differential pressure expressed in inches of water column
Q = Flow expressed in GPM, SCFM, or PPH as shown in equation
K = Flow coefficient— See values tabulated on Pg. 3.
D = Inside diameter of line size expressed in inches.

For square or rectangular ducts, use: $D = \sqrt{\frac{4 \times \text{Height} \times \text{Width}}{\pi}}$

P = Static Line pressure (psia)
T = Temperature in degrees Fahrenheit (plus 460 = °Rankine)
p = Density of medium in pounds per square foot
S_f = Sp Gr at flowing conditions
S_s = Sp Gr at 60°F (15.6°C)

SCFM TO ACFM EQUATION

$$SCFM = ACFM \times \left(\frac{14.7 + PSIG}{14.7}\right) \left(\frac{520^*}{460 + °F}\right)$$

$$ACFM = SCFM \times \left(\frac{14.7}{14.7 + PSIG}\right) \left(\frac{460 + °F}{520}\right)$$

$$\text{POUNDS PER CUBIC FOOT STD.} = \text{POUNDS PER CUBIC FOOT ACT.} \times \left(\frac{14.7}{14.7 + PSIG}\right) \left(\frac{460 + °F}{520^*}\right)$$

$$\text{POUNDS PER CUBIC FOOT ACT.} = \text{POUNDS PER CUBIC FOOT STD.} \times \left(\frac{14.7 + PSIG}{14.7}\right) \left(\frac{520^*}{460 + °F}\right)$$

1 Cubic foot of air = 0.076 pounds per cubic foot at 60° F (15.6°C) and 14.7 psia.
* (520°= 460 + 60°) Std. Temp. Rankine

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Magnehelic® Differential Pressure Gage

OPERATING INSTRUCTIONS

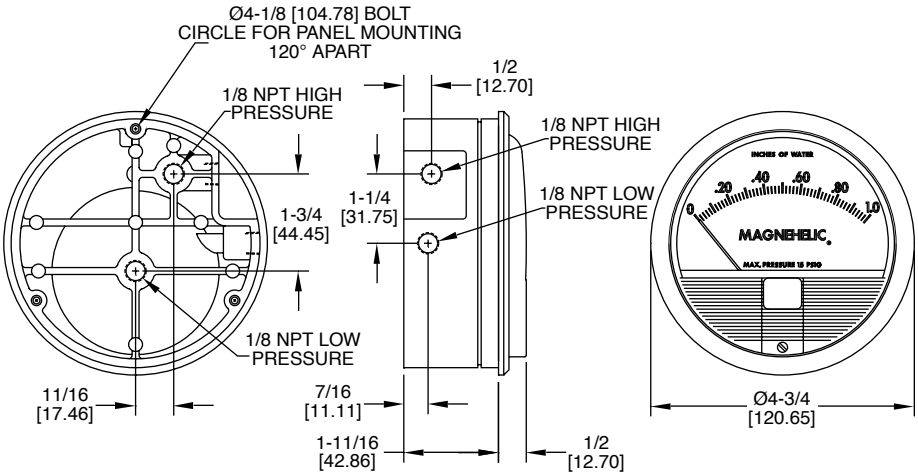
SPECIFICATIONS

Dimensions: 4-3/4″ dia. x 2-3/16″ deep.
Weight: 1 lb. 2 oz.
Finished: Baked dark gray enamel.
Connections: 1/8″ NPT high and low pressure taps, duplicated, one pair side and one pair back.
Accuracy: Plus or minus 2% of full scale, at 70°F. (Model 2000-0, 3%; 2000-00, 4%).
Pressure Rating: 15 PSI (0,35 bar)
Ambient Temperature Range: 20° to 140°F (-7 to 60°C).
Standard gage accessories include two 1/8″ NPT plugs for duplicate pressure taps, two 1/8″ NPT pipe thread to rubber tubing adapters, and three flush mounting adapters with screws.

Caution: For use with air or compatible gases only.

For repeated over-ranging or high cycle rates, contact factory.

Not for use with Hydrogen gas. Dangerous reactions will occur.



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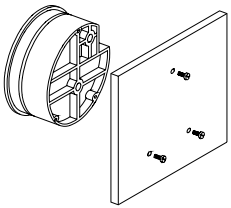
MAGNEHELIC® INSTALLATION

1.Select a location free from excessive vibration and where the ambient temperature will not exceed 140°F. Also, avoid direct sunlight which accelerates discoloration of the clear plastic cover. Sensing lines my be run any necessary distance. Long tubing lengths will not affect accuracy but will increase response time slightly. Do not restrict lines. If pulsating pressures or vibration cause excessive pointer oscillation, consult the factory for ways to provide additional damping.

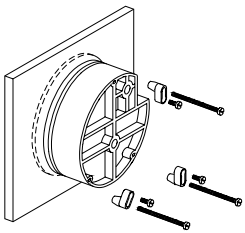
2. All standard Magnehelic gages are calibrated with the diaphragm vertical and should be used in that position for maximum accuracy. If gages are to be used in other than vertical position, this should be specified on the order. Many higher range gages will perform within tolerance in other positions with only rezeroing. Low range Model 2000-00 and metric equivalents must be used in the vertical position only.

3. Surface Mounting



Locate mounting holes, 120° apart on a 4-1/8″ dia. circle. Use No. 6-32 machine screws of appropriate length.

4. Flush Mounting



Provide a 4-9/16″ dia. opening in panel. Insert gage and secure in place with No. 6-32 machine screws of appropriate length, with adapters, firmly secured in place. To mount gage on 1-1/4″-2″ pipe, order optional A-610 pipe mounting kit.

5. To zero the gage after installation

Set the indicating pointer exactly on the zero mark, using the external zero adjust screw on the cover at the bottom. Note that the zero check or adjustment can only be made with the high and low pressure taps both open to atmosphere.

Operation

Positive Pressure: Connect tubing from source of pressure to either of the two high pressure ports. Plug the port not used. Vent one or both low pressure ports to atmosphere.

Negative Pressure: Connect tubing from source of vacuum or negative pressure to either of the two low pressure ports. Plug the port not used. Vent one or both high pressure ports to atmosphere.

Differential Pressure: Connect tubing from the greater of two pressure sources to either high pressure port and the lower to either low pressure port. Plug both unused ports.

When one side of the gage is vented in dirty, dusty atmosphere, we suggest an A-331 Filter Vent Plug be installed in the open port to keep inside of gage clean.

A. For portable use of temporary installation use 1/8″ pipe thread to rubber tubing adapter and connect to source of pressure with rubber or Tygon tubing.

B. For permanent installation, 1/4″ O.D., or larger, copper or aluminum tubing is recommended. See accessory bulletin S-101 for fittings.

Ordering Instructions:

When corresponding with the factory regarding Magnehelic® gage problems, be sure to include model number, pressure range, and any special options. Field repair is not recommended; contact the factory for repair service.

MAINTENANCE

Maintenance: No lubrication or periodic servicing is required. Keep case exterior and cover clean. Occasionally disconnect pressure lines to vent both sides of gage to atmosphere and re-zero. Optional vent valves, (bulletin S-101), should be used in permanent installations.

Calibration Check: Select a second gage or manometer of known accuracy and in an appropriate range. Using short lengths of rubber or vinyl tubing, connect the high pressure side of the Magnehelic gage and the test gage to two legs of a tee. Very slowly apply pressure through the third leg. Allow a few seconds for pressure to equalize, fluid to drain, etc., and compare readings. If accuracy unacceptable, gage may be returned to factory for recalibration. To calibrate in the field, use the following procedure.

Calibration:

1. With gage case, held firmly, loosen bezel, by turning counterclockwise. To avoid damage, a canvas strap wrench or similar tool should be used.
2. Lift out plastic cover and "O" ring.
3. Remove scale screws and scale assembly. Be careful not to damage pointer.
4. The calibration is changed by moving the clamp. Loosen the clamp screw(s) and move slightly toward the helix if gage is reading high, and away if reading low. Tighten clamp screw and install scale assembly.
5. Place cover and O-ring in position. Make sure the hex shaft on inside of cover is properly engaged in zero adjust screw.
6. Secure cover in place by screwing bezel down snug. Note that the area under the cover is pressurized in operation and therefore gage will leak if not properly tightened.
7. Zero gage and compare to test instrument. Make further adjustments as necessary.

Caution: If bezel binds when installing, lubricate threads sparingly with light oil or molybdenum disulphide compound.

Warning: Attempted field repair may void your warrenty. Recalibration or repair by the user is not recommended. For best results, return gage to the factory. Ship prepaid to:

Dwyer Instruments, Inc.

Attn: Repair Dept.

102 Indiana Highway 212

Michigan City, IN 46360

Trouble Shooting Tips:

•G*age won't indicate or is sluggish.*

1. Duplicate pressure port not plugged.
2. Diaphragm ruptured due to overpressure.
3. Fittings or sensing lines blocked, pinched, or leaking.
4. Cover loose or "O"ring damaged, missing.
5. Pressure sensor, (static tips, Pitot tube, etc.) improperly located.
6. Ambient temperature too low. For operation below 20°F, order gage with low temperature, (LT) option.

•Pointer stuck-gage can't be zeroed.

1. Scale touching pointer.
2. Spring/magnet assembly shifted and touching helix.
3. **Metallic particles clinging to magnet and interfering with helix movement.**
4. Cover zero adjust shaft broken or not properly engaged in adjusting screw.

We generally recommend that gages needing repair be returned to the factory. Parts used in various sub-assemblies vary from one range of gage to another, and use of incorrect components may cause improper operation. After receipt and inspection, we will be happy to quote repair costs before proceeding.

Consult factory for assistance on unusual applications or conditions.

Use with air or compatible gases only.

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Lit-by-Fax: 888/891-4963

SERIES 475 MARK III DIGITAL MANOMETER

BATTERY INSTALLATION

Remove the two screws holding the bottom endcap and remove it. Connect the battery to the enclosed battery clip, observing correct polarity.

When replacing the cover be sure the rubber sealing gasket is properly seated in the gasket channel of the endcap. Note the endcap will only fit one way. The holes are slightly offset to center. Replace the screws, DO NOT OVERTIGHTEN.

LOW BATTERY INDICATOR

A weak battery can cause improper operation or inaccurate measurements. When the low bat indicator is illuminated replace the battery. Do not leave exhausted battery in the unit due to the risk of leakage.

475-AV AIR VELOCITY KIT

Complete kits include a Series 475 manometer (standard ranges as shown on back of card), (2) No. A-303 static pressure tips, (2) nine ft. lengths of 3/16î I.D. rubber tubing, a Model 166-6-CF, 6î Pitot tube, No. A-397 step drill, No. A-532 air velocity slide chart and instruction bulletin H-11. All items are packed in a tough molded plastic carrying case with die cut foam liner.

☐ 475-000-FM ☐ 475-00-FM ☐ 475-0-FM ☐ 475-1-FM ☐ 475-2-FM ☐ 475-3-FM ☐ 475-4-FM ☐ 475-5-FM ☐ 475-6-FM ☐ 475-7-FM ☐ 475-8-FM

MADE IN U.S.A.

SPECIFICATIONS:

Service: Air and combustible, compatible gases.
Wetted Materials: Consult Factory.
Accuracy: +/-0.5% F.S., 60 to 78°F (15.6 to 25.6°C); +/-1.5% F.S. from 32 to 60°F and 78 to 104°F (0 to 15.6°C and 25.6 to 40°C).
Pressure Hysteresis: +/-0.1% of full scale.
Pressure Limits: See chart.
Temperature Limits: 32 to 104°F (0 to 40°C).
Storage Temperature Limits: -4 to 176°F (-20 to 80°C).
Display: 0.5˝ liquid crystal. 3-1/2 digits.
Resolution: See chart.
Power Requirements: 9 volt alkaline battery (Up to 100 hours of operation). Battery not connected.
Weight: 10.8 oz. (306 g).
Connections: Two barbed connections for use with 1/8˝ (3.18 mm) or 3/16˝ (4.76mm) I.D. tubing. Two compression fittings for use with 1/8˝ (3.18 mm) I.D. x 3/16˝ (4.76 mm) O.D. tubing for 475-7-FM and 475-8-FM.
Agency Approvals: FM, CE.
Size: 6-9/16˝ H x 2-13/16˝ W x 29/32˝ D

MODEL	PRESSURE	MAX PRESSURE
475-000-FM	0-1.00 IN W.C. (0-.249 kPa)	10 IN W.C. (2.5 kPa)
475-00-FM	0-4.00 IN W.C. (0-.995 kPa)	5 PSIG (35 kPa)
475-0-FM	0-10.00 IN W.C. (0-2.49 kPa)	5 PSIG (35 kPa)
475-1-FM	0-19.99 IN W.C. (0-4.97 kPa)	10 PSIG (68.9 kPa)
475-2-FM	0-40.0 IN W.C. (0-9.95 kPa)	10 PSIG (68.9 kPa)
475-3-FM	0-199.9 IN W.C. (0-49.7 kPa)	30 PSIG (207 kPa)
475-4-FM	0-10 PSID (0-.689 bar)	30 PSIG (207 kPa)
475-5-FM	0-19.99 PSID (0-1.378 bar)	60 PSIG (4 bar)
475-6-FM	0-30.00 PSID (0-2.07 bar)	60 PSIG (4 bar)
475-7-FM	0-100 PSID (0-6.89 bar)	150 PSIG (10 bar)
475-8-FM	0-150 PSID (0-10.34 bar)	150 PSIG (10 bar)

OPERATING INSTRUCTIONS

On/Off Operation

Press the I/O key to switch the unit on and off.

Pressure unit selection

Press the E/M key to switch between english or metric units.

Zeroing pressure units

Potential inaccuracy due to temperature effects can be minimized by re-zeroing immediately before each use. To zero the display, vent both pressure ports to atmosphere. Adjust the knob on top until the display reads exactly zero.

Overpressure

Exceeding the range of the manometer will not damage it or affect calibration if the maximum pressure is not exceeded. Do not exceed the maximum rated pressure established for your specific manometer model. Doing so will cause permanent damage to the sensor and may rupture the housing and/or cause injury. The maximum pressure is shown on the rear label of the manometer and on these instructions.

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CE

FM APPROVED

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