REMEDIAL INVESTIGATION REPORT

For:

Surf Avenue Railroad Cleaners Site
2910 West 15th Street
Brooklyn, New York 11224
NYSDEC BCP Site # C224310

Prepared for:

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CERTIFICATIONS

"I, , certify that I am currently a [NYS registered professional engineer or Qualified Environmental Professional as defined in 6 NYCRR Part 375] and that this Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications."

NYS Professional Engineer (#)	Date	Signature

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EXECUTIVE SUMMARY

The NYSDEC has entered into a Brownfield Cleanup Agreement (BCA) with Surf Avenue L/CAL LLC, a Volunteer, for the property known as Surf Avenue Railroad Cleaners Site (BCP No. C224310, Index No. C224310-07-20), on August 10, 2020 ("Site" or "BCP Site"). At the time of the BCP Application in March-April 2020, the Site had an address of 2910 West 15th Street, Brooklyn, Kings County, New York, and was identified as Block 7063, Lot 12 on the Kings County tax map. On November 2, 2020, the BCA was amended to include six additional lots as follows: Lots 32 and 33, which do not have formal addresses, Lot 38 located at 2933 West 16th Street, Lot 39 located at 2929 West 16th Street, Lot 40 located at 2927 West 16th Street, and Lot 41 located at 2925 West 16th Street. The seven contiguous Site parcels are 1.521 aces in size. Then on January 12, 2021, a second BCA Amendment package was submitted because the seven lots that make up the Brownfield Cleanup Program (BCP) Site (Block 7063 Lots 12, 32, 33, 38, 39, 40, and 41) have been merged into a single lot 12. See attached NYC RP 602 Lot Merger Approval. Therefore, the BCP Site is now a consolidated Block 7063 Lot 12. The addresses of Site will also eventually change. For now, the new potential addresses for Building 1 will be in the range of 2910 – 2948 West 15 Street or 1515 Surf Avenue and for the affordable Building 2 will be in the range of 2917 – 2921 West 16 Street.

The Site is located in a mixed use residential and commercial area and is bounded to the north by commercial retail businesses with Mermaid Avenue beyond, to the south by Surf Avenue with commercial retail businesses, a vacant lot, and Coney Island Amusement Park beyond, to the east by West 15th Street with commercial retail businesses and parking beyond, and to the west by West 16th Street with commercial retail businesses and parking beyond.

This Remedial Investigation Report (RIR) summarizes the results of prior investigations and the Remedial Investigation (RI) performed on the Site. The RI was conducted in general accordance with the Remedial Investigation Work Plan (RIWP) for the Site, which was last revised September 25, 2020, and subsequently approved by the NYSDEC in September 29, 2020, and the NYSDEC's Technical Guidance for Site Investigation and Remediation (DER-10).

The RI consisted of collecting seventy-five (75) soil samples, twelve (12) groundwater samples, and ten (10) soil vapor samples. Soil samples were collected for the investigation of Recognized Environmental Concerns (RECs) that were identified during a Phase I ESA Report prepared by Partner Assessment Corporation and a Phase II ESA Report prepared by PSG Engineering and Geology, D.P.C., and SESI's review of the Site history and field observations.

The RECs include the Fong Lee Laundry, which operated on the subject property (2914 West 15th Street) in 1934, possible dry cleaners (2912 and 2914 West 15th Street) which operated on the subject property from at least 1934 to 1940, another cleaners called the Botte Anthony A Clothing Cleaners at 2911 West 16th Street, which operated from at least 1928 to 1934, a tinsmith (2928 West 15th Street) which operated on the subject property from at least 1928 to 1940, and The Empire Publishing and Printing Corp, which operated on the subject property (2914 West 15th Street) from at least 1973 to 1976. These operations may have used, stored, and/or disposed of hazardous substances as part of daily operations, and they operated at a time of little to no regulatory oversight. Based on the potential nature of operations, lack of information regarding usage and disposal practices, and lack of regulatory oversight, these former operations are considered a REC. In addition, the Site was intersected by a railroad track between 1895 and 1924.

Samples were analyzed for a combination of full target compound list (TCL) and target analyte list (TAL) analytes – which include Volatile Organic Compounds (VOCs - EPA Method 8260C), TCL Semi-VOCs (SVOCs - EPA Method 8270D), 2,4-dinitrophenol (EPA Method 8260C), TCL pesticides (EPA Method 8081B), TCL PCBs (8082A), TAL Metals (EPA Method 6010C/7471B), 1,4-dioxane (EPA Method 8270D-SIM), cyanide (EPA Method 9010C/9012B), and Per- and Polyfluoroalkyl Substances (PFAS – EPA Modified Method 537)..

Results of the RIR are summarized below:

- The overall depth of impacted soils ranged from 2.5 to 12.5 feet below ground surface (ft-bgs). VOCs, SVOCs, metals, and pesticides impacts exceeding both Unrestricted Use Soil Cleanup Objectives (USCOs), Restricted Residential Soil Cleanup Objectives (RRSCOs) and/or Protection of Groundwater Soil Cleanup Objectives (PGSCOs) were identified in soils at depths ranging from 2.5 to 10.5 ft-bgs at the southwestern portion of the Site. Metals and pesticide impacts exceeding the USCOs were also identified on the southwestern portion of the Site at depths up to 12.5 ft-bgs. Pesticide impacts to soil exceeding the USCOs were identified to a depth of 5 ft-bgs in one hotspot area at the northeastern portion of the Site. Finally, the PFAS compounds Perfuorooctanesulfonic Acid (PFOS) was detected in one area at the northeastern corner of the Site exceeding the proposed Protection of Groundwater SCOs at a depth of 4.5 to 5 ft-bgs, and the Proposed Unrestricted Use SCOs at depth of 4.5 to 8.5 ft-bgs.
- The groundwater depth is approximately 6 to 8 ft-bgs across site and flows to the north. The Site's groundwater has been impacted with SVOCs, metals, and pesticide compounds above NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 (TOGS)

Ambient Water Quality Standards (AQWS) near the southwestern portion of the Site. In addition, the PFAS compounds PFOS and Perfuorooctanoic Acid (PFOA) were detected at concentrations exceeding the NYSDEC Groundwater Screening Levels for these PFAS compounds in groundwater throughout the Site (January 2021).

- The chlorinated VOC (CVOC) tetrachloroethene (PCE) was detected in SG-11 at a concentration of 115 ug/m^3, exceeding the NYSDOH Decision Matrix B Sub-slab Lower Threshold Value of 100 ug/$m^{3.}$ Trichloroethene (TCE) was detected in SG-7 at a concentration 434 ug/m^3 and in SG-11 (OER) at a concentration of 19.5 ug/m^3 exceeding the NYSDOH Decision Matrix A Sub-slab Lower Threshold Value of 6 ug/m^3. Cis 1,2-dichlorethene (Cis-1,2-DCE) was detected in SG-1 at a concentration of 9.99 ug/m^3, exceeding the NYSDOH Decision Matrix A Sub-slab Lower Threshold Value of 6 ug/m^3. In addition, The CVOCs including chloroform and PCE were detected in soil vapor at the southwestern portion of the Site in locations near former dry-cleaning establishments, and vinyl chloride near the northeastern portion of the Site. Specifically, chloroform was detected in SG-7 at concentrations of 4.93 ug/m^3. PCE was detected across the Site at concentrations ranging from 11.3 ug/m^3 (SG-11 OER) to 36.1 ug/m^3 (SG-6 (OER)). Finally, vinyl chloride was detected in SG-1 at a concentration of 5.62 ug/m^3. However, these concentrations of PCE, chloroform, and vinyl chloride are below their NYSDOH Decision Matrices Sub-slab Lower Threshold Values.
- The petroleum VOCs benzene, 1,3-butadiene, heptane, hexane, toluene, and xylenes were detected in sub surface soil vapor. Specifically, benzene was detected in SG-3 at a concentration of 19.3 ug.m^3. 1,3-butadiene was detected across the site at concentrations ranging from 0.746 ug/m^3 (SG-1) to 24.3 ug/m^3 (SG-9). Heptane was detected across the Site at concentrations ranging from 1.05 ug/m^3 (SG-3) to 8,730 ug/m^3 (SG-5). Hexane was detected across the Site at concentrations ranging from 1.32 ug/m^3 (SG-3) to 12,400 ug/m^3 (SG-5). Toluene was detected across the Site at concentrations ranging from 3.99 ug/m^3 (SG-8) to 35 ug/m^3 (SG-3). Finally, xylenes were detected across the Site at concentrations ranging from 4.09 ug/m^3 (SG-8) to 17.1 ug/m^3 (SG-3).

1.0 INTRODUCTION

The NYSDEC has entered into a BCA with Surf Avenue L/CAL LLC, a Volunteer, for the property known as Surf Avenue Railroad Cleaners Site (BCP No. C224310, Index No. C224310-07-20), on August 10, 2020. The property address associated with the Site at the time of the application was 2910 West 15th Street, Brooklyn, Kings County, New York, identified as Block 7063, Lot 12 on the Kings County tax map. On November 2, 2020, the BCA was amended to include six additional lots as follows: Lots 32 and 33, which do not have formal addresses, Lot 38 located at 2933 West 16th Street, Lot 39 located at 2929 West 16th Street, Lot 40 located at 2927 West 16th Street, and Lot 41 located at 2925 West 16th Street (hereafter referred to as the "Site). The seven contiguous Site parcels are 1.521 aces in size (hereafter collectively with the 6 new parcels referred to as the "Site"). Then on January 12, 2021, a second BCA Amendment package was submitted because the seven lots that make up the Brownfield Cleanup Program (BCP) Site (Block 7063 Lots 12, 32, 33, 38, 39, 40, and 41) have been merged into a single lot 12. See attached NYC RP 602 Lot Merger Approval. Therefore, the BCP Site is now a consolidated Block 7063 Lot 12. The addresses of Site will also eventually change. For now, the new potential addresses for Building 1 will be in the range of 2910 – 2948 West 15 Street or 1515 Surf Avenue and for the affordable Building 2 will be in the range of 2917 – 2921 West 16 Street. A Site Location map is presented as **Figure 1 in Appendix A.**

This document consists of a RIR. This RIR is a summary of the investigative work that was performed in accordance with the RIWP prepared by SESI, approved by the NYSDEC on September 29, 2020, and the Addendum RIWP prepared by SESI approved by NYSDEC on November 25, 2020. The report also includes a summary of the Phase II investigation that was conducted prior to the BCA.

The RI was completed in accordance with the NYSDEC DER-10, to provide a systematic assessment of environmental conditions on the Site. The RI defines the nature and extent of contamination on-Site, identifying contaminant source areas, and producing data of sufficient quantity and quality to complete an on-Site exposure assessment and a qualitative off-Site exposure assessment for purposes of designing the remedial action for the Site.

2.0 BACKGROUND

2.1 Site Description

The Site consists of formerly seven contagious lots totaling 1.521-acre in size (Block 7063 Lots 12, 32, 33, 38, 39, 40 and 41) on the Kings County tax map, which have now been consolidated into Block 7063 Lot 12. It is currently a public parking lot improved with a small parking attendant shed. The Site has been developed since 1895 and historically was developed with dwellings, retails stores, various dry-cleaning establishments, railroad tracks, a parking lot, and an auto track.

The Site is located in a mixed use residential and commercial area and is bounded by commercial buildings to the north, Surf Avenue to the south, West 15th Street to the east, and West 16th Street to the west.

Adjacent properties are Summarized on **Table 2.1** below:

Table 2.1 Summary of Surrounding Properties

Direction	Adjacent Property
North	Mermaid Avenue and commercial retail businesses beyond.
South	Surf Avenue, beyond which are commercial retail businesses, a vacant lot, Coney Island Amusement Park.
East	West 15th Street beyond which are commercial retail businesses and parking.
West	West 16th Street beyond which are commercial retail businesses and parking.

The planned redevelopment of the Site entails the ground-up construction of a multi-family development comprising approximately 470,000 square-foot (sf) and 463 units (30% affordable) in an En-Zone area in Coney Island, Brooklyn, New York, with retail on the ground floor and a garage that will accommodate approximately 233 vehicles.

2.2 Site History

According to a Phase I Environmental Site Assessment prepared by Partner Assessment Corporation (Partner), the Site was formerly developed with several small dwellings and stores, intersected by a railroad between 1895 and 1924. By 1930, the Site was developed with several

small dwellings and stores. Between 1950 and 1961, the Site was developed with parking areas and an auto track on the southeastern portion of the property. A larger commercial structure was developed on the southeastern portion of the property between 1976 and 1982 with one commercial structure on the eastern portion and one larger commercial structure on the southeastern portion of the Site between 1983 and 1984. Tenants on the Site appear to have included various commercial retailers (1928-Present); residential (1934-Present); S & S Towel Service, Schaffer M Towel Service, Goushewitz & Nyman Tinsmiths & Roofers (1928); Molinari Frank Tailor, Fong Lee Laundry, Tufelski Hans Painter R, Govschewitz Abr Tinsmith, Botte Anthony A Clothing Cleaner, Gleisher Benj Manager Gas & Service Corp R (1934); Mermaid Tailor Shop, Utility Sheet Metal Works (1940); and The Empire Publishing & Printing Corp. (1973-1976).

2.3 Previous Environmental Investigations

The following environmental reports that were provided in Appendix B of the RIWP are summarized below:

- Phase I Environmental Site Assessment, August 2019, prepared by Partner.
- Revised Phase II Subsurface Investigation Report, November 2019, prepared by PSG.

2.3.1 Phase I Environmental Site Assessment Report (August 2019)

Partner completed a Phase I Environmental Site Assessment Report (Phase I), dated August 16, 2019, which identified the following REC:

- According to a review of historical documentation, Fong Lee Laundry operated on the subject property (2914 West 15th Street) in 1934, possible dry cleaners (2912 and 2914 West 15th Street) operated on the subject property from at least 1934 to 1940, another cleaners called the Botte Anthony A Clothing Cleaners at 2911 West 16th Street operated from at least 1928 to 1934, a tinsmith (2928 West 15th Street) operated on the subject property from at least 1928 to 1940, and The Empire Publishing and Printing Corp operated on the subject property (2914 West 15th Street) from at least 1973 to 1976. No information regarding onsite operations was identified during the course of this assessment. These operations may have used, stored, and/or disposed of hazardous substances as part of daily operations, and they operated at a time of little to no regulatory oversight. Based on the potential nature of operations, lack of information regarding usage and disposal practices, and lack of regulatory oversight, these former operations are considered a REC.

2.3.2 Revised Phase II Subsurface Investigation Report (November 2019)

PSG Engineering and Geology (an affiliate of Partner) prepared a report titled "Revised Phase II Subsurface Investigation Report", dated November 15, 2019.

PSG collected twenty-eight (28) soil samples from fourteen (14) soil borings (SB-1 to SB-5, four (4) groundwater samples from four (4) temporary wells, (SB-GW4, SB-GW6, SB-GW9, and SB-GW11 and ten (10) soil vapor samples from ten (10) temporary vapor points (SG-1 to SG-10). The findings of this report are summarized below.

Soil

The SVOC 2,4-Dinitrophenol was detected at a concentration of 0.37 mg/kg in sample SB-1 at 12-12.5 feet ft-bgs, which exceeds the Protection of Groundwater SCO of 0.2 mg/kg.

Pesticides were detected exceeding the USCOs. Specifically, 4,4-DDD was detected at a concentration of 0.055 mg/kg at 5.5-6 ft-bgs in sample SB-1, and 4,4'-DDE was detected at a concentration of 0.013 mg/kg at 5.5-6 ft-bgs in sample SB-1, exceeding its USCO of 0.0033 mg/kg for both compounds.

Metals were detected exceeding the USCOs. Specifically, lead was detected at concentrations of 121 mg/kg at 5.5-6 ft-bgs in sample SB-1, 98.1 mg/kg at 6-6.5 ft-bgs in sample SB-7, and 67.9 mg/kg at 6-6.5 ft-bgs in sample SB-8, exceeding its USCO of 63 mg/kg. Zinc was also detected at a concentration of 175 mg/kg at 5.5-6 ft-bgs in sample SB-1, compared to the USCO of 109 mg/kg.

Based on the waste characterization soil data benzo[a]anthracene, benzo[b]fluoranthene, and indeno[1,2,3-cd]pyrene were detected in waste classification soil samples above the SCOs Specifically, Indeno[1,2,3-cd]pyrene was detected at concentrations of 0.52 mg/kg and 0.55 mg/kg, above the USCO and RRSCO of 0.5 mg/kg, in samples WC-2 and WC-3. Benzo[b]fluoranthene was detected at concentrations of 1.5 mg/kg and 1.7 mg/kg, above the USCO and RRSCO of 1 mg/kg respectively, in samples WC-2 and WC-3. Finally, benzo[a]anthracene was detected at concentrations of 1.2 mg/kg and 1.1 mg/kg, above the USCO and RRSCO of 1 mg/kg respectively, in samples WC-2 and WC-3.

Groundwater

The VOC methyl chloride was detected in the field blank at a concentration of 5.3 ug/L, which exceeded the AWQS of 5 ug/L. No other VOCs were detected at concentrations exceeding the AWQS. No SVOCs, or PCBs were detected at concentrations exceeding the AWQS.

The pesticides, aldrin and dieldrin, were detected in groundwater sample SB-11GW, at concentrations of 0.034 ug/L and 0.17 ug/L, respectively, exceeding the AWQS of 0.1 ug/L for both compounds.

The metals chromium, iron, lead, and sodium were detected in groundwater samples at concentrations above the AWQS. Specifically, chromium was detected in sample SB-9GW at a concentration of 54.7 ug/L, exceeding the AWQS of 50 ug/L; Iron was detected in samples SB-9GW, SB-4GW, and SB-11GW at concentrations of 23,300 ug/L, 16,500 ug/L, and 731 ug/L, respectively, compared to AWQS of 300 ug/L; lead was detected in samples SB-9GW and SB-4GW at concentrations of 101 ug/L, 58.8 ug/L, respectively, compared to the AWQS of 25 ug/L; and sodium was detected in SB-9GW, SB-4GW and SB-11GW at concentrations of 164,000 ug/L, 168,000 ug/L, and 30,800 ug/L, exceeding the AWQS of 20,000 ug/L.

Soil Vapor

The CVOCs including chloroform, cis-1,2-DCE, PCE, TCE, and vinyl chloride were detected in soil vapor in locations near former dry-cleaning establishments. Specifically, chloroform was detected in SG-7 at concentrations of 4.93 ug/m^3. Cis-1,2-DCE was detected in SG-1 at a concentration of 9.99 ug/m^3. PCE was detected across the Site a in sub surface soil vapor samples at concentrations ranging from 11.3 ug/m^3 (SG-1) to 18.2 ug/m^3 (SG-6). TCE was detected in SG-7 at a concentration 434 ug/m^3. Finally, vinyl chloride was detected in SG-1 at a concentration of 5.62 ug/m^3.

The petroleum VOCs benzene, 1,3-butadiene, heptane, hexane, toluene, and xylenes were detected in sub surface soil vapor samples. Specifically, benzene was detected in SG-3 at a concentration of 19.3 ug.m^3. 1,3-butadiene was detected across the site at concentrations ranging from 0.746 ug/m^3 (SG-1) to 24.3 ug/m^3 (SG-9). Heptane was detected across the Site at concentrations ranging from 1.05 ug/m^3 (SG-3) to 8,730 ug/m^3 (SG-5). Hexane was detected across the Site at concentrations ranging from 1.32 ug/m^3 (SG-3) to 12,400 ug/m^3 (SG-5). Toluene was detected across the Site at concentrations ranging from 3.99 ug/m^3 (SG-8) to 35 ug/m^3 (SG-3). Finally, xylenes were detected across the Site at concentrations ranging from 4.09 ug/m^3 (SG-8) to 17.1 ug/m^3 (SG-3).

3.0 SITE SETTING

3.1 TOPOGRAPHY

According to the United States Geological Survey (USGS) Coney Island 7.5-minute series 2013 Quadrangle Map, the Site's average topographic elevation is approximately 5-feet above mean sea level (msl). The topographic map indicates that the topography at the Site is gently sloping to the south.

3.2 SURFACE WATER AND DRAINAGE

The nearest surface water in the vicinity of the Site is the Lower New York Bay, which is located approximately 0.26-miles south of the Site. No settling ponds, lagoons, surface impoundments, wetlands or natural catch basins were observed. Storm water drainage patterns are generally consistent with the surrounding topography and primarily flow to the south toward Bay.

3.3 GEOLOGY

The subsurface conditions observed during the RI consist of historic fill from below the asphalt pavement at grade to depths ranging from two (2) to five (5) ft-bgs. The historic fill consists of dark brown fine sand with varying amounts of brick, wood, asphalt, and concrete. Underlying the fill exists grey brown course to fine sand, to depths of at least 15 ft-bgs. Bedrock was not encountered during any investigation activity.

3.4 HYDROGEOLOGY

Groundwater was encountered at depths of approximately 6 ft to 8 ft-bgs in the monitoring wells gauged in October and December 2020,and in February 2021 performed by SESI. The groundwater gradient is calculated to be in a north/northeasterly direction across the Site. The Site is located within a floodzone.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

The RI was conducted in accordance with the NYSDEC DER-10, and in accordance with the RIWP prepared by SESI, approved by the NYSDEC on September 29, 2020, and the Addendum RIWP prepared by SESI approved by NYSDEC on November 25, 2020. The objective of the RI was to complete the investigation of soil, soil vapor, and groundwater on the Site and to delineate the nature and extent of the contamination on Site.

4.1 RI SAMPLING SUMMARY

Field activities were completed between September and December 2020. Twenty-four (24) soil borings, nine (9) permanent groundwater monitoring wells, and ten (10) soil vapor points were installed and sampled for the RECs described in Section 2.0. **Table 1 in Appendix B** includes a summary of the samples collected and their analyses. **Figures 4.1, 4.2, and 4.3 in Appendix A** present the sample locations for soil, groundwater, and soil vapor respectively.

The soil samples were collected and analyzed for various parameters as specified in the RIWP and as listed in Table 1 including TCL VOCs (EPA Method 8260C), TCL SVOCs (EPA Method 8270D) 2,4-dinitrophenol (EPA Method 8260C), TCL pesticides (EPA Method 8081B), TCL PCBs (8082A) TAL Metals (EPA Method 6010C/7471B), 1,4-dioxane (EPA Method 8270D-SIM), cyanide (EPA Method 9010C/9012B), and PFAS (EPA Modified Method 537). Groundwater samples were collected and analyzed for various parameters as specified in the RIWP including 1,4-Dioxane, PFAs, TCL VOCs, TCL SVOCs (EPA Method 8270D) by Selective Ion Monitoring (SIM), TAL metals, TCL Pesticides, and TCL PCBs. Field Blanks were collected each day sampling was conducted, and trip blanks accompanied all samples analyzed for VOCs. The soil vapor samples were analyzed for VOCs in accordance with EPA Method TO-15.

4.2 INVESTIGATION METHODOLOGY

All the field work was completed under the on-Site observation of a SESI field engineer and the environmental professional engineer (PE). The field work involved advancing borings, installing permanent monitoring wells. Disposable field equipment was utilized to collect soil and groundwater samples. SESI observed the work completed by the following subcontractors:

- AARCO Environmental Services advanced twenty-four (24) soil borings, installed ten (10) soil vapor points, and installed nine (9) permanent monitoring wells utilizing direct-push and hollow-stem auger drilling techniques.

- Alpha Analytical, Inc., Westborough, MA analyzed soil, soil vapor, and groundwater samples as per requested analytical methods.
- American Geophysics, Inc. located underground utilities not covered in the one-call system.

4.3 SOIL BORINGS AND SAMPLING

A total of seventy-five (75) soil samples were collected from twenty-four (24) soil borings (SB-15 through SB-21, SB-26 through SB-31, and SB-15 (OER) through SB-25 (OER)). **Table 1** in **Appendix B** presents the soil sample names, depths, and analysis performed. Soil boring locations are presented on **Figure 4.1 in Appendix A**.

The borings were advanced utilizing direct-push drilling equipment. All borings were advanced to 15 ft-bgs. Soil samples collected utilizing a macro-core samplers. Samples for laboratory chemical analyses were collected based on field screening, which includes visual and olfactory observations and screening with photo-ionization detector (PID). The boring logs are provided in **Appendix C**.

Prior to drilling activities, a geophysical survey was conducted across the Site to locate any subsurface feature (USTs, drywells etc) and any underground utilities not identified by the one-call system. Results of the geophysical survey identified minimal subsurface utilities consisting of electric lines for lighting, and former building foundations. However, the geophysical survey did not identify any subsurface anomalies indicative of USTs, dry wells, etc. The GPR report is provided in **Appendix D**.

In addition to the remedial investigation grab samples, composite samples were collected for waste characterization purposes. The waste characterization samples were collected at a frequency of 1 composite per 750 cubic yards (CY) of soils based on site grid of 50 foot-wide by 50 foot-long and 7 foot deep. The waste characterization sample results and site grids are included in **Appendix E**.

4.4 MONITORING WELL INSTALLATIONS

Nine (9) permanent groundwater monitoring wells were installed to investigate groundwater between September and December 2020 (MW-1 MW-2, MW-3, MW-4, MW-5, MW-6, MW-1 (OER)/OER/MW-1, MW-2 (OER)/OER-MW-2, and MW-3 (OER)/OER-MW-3 . **Table 1** in **Appendix B** presents the groundwater sample names, screened intervals and analyses performed. Monitoring well locations are presented in **Figure 4.2 in Appendix A**. Monitoring well locations were chosen to evaluate groundwater entering/exiting the Site and assess potential

historic impacts to groundwater. Groundwater samples were analyzed for TCL/TAL+30, PFAS, and 1-4 dioxane.

The depth of water table was determined to vary from 6 to 8 ft bgs across the Site. All the wells were constructed utilizing 2-inch PVC pipe with a 10-foot, 20 (0.020 inches) slot screen. The PVC screen was surrounded by #2 filter sand. The filter sand extends at least about 1 foot above the screen. Bentonite about 1 foot thick was then placed on top of the filter sand and the remaining annular space around the PVC riser was grouted with cement/bentonite mix. The wells were subsequently completed with protective steel manholes as flush mount.

The monitoring wells were developed until the purge water being pumped was free of sediment, or the well no longer had groundwater present, whichever was encountered first. The development water was collected in drums that have been staged on-site for disposal off-site. **Appendix C** includes the monitoring well construction logs.

4.5 GROUNDWATER SAMPLING

From September to December 2020, a total of twelve (12) groundwater samples were collected from nine (9) monitoring wells. Monitoring wells MW-1 through MW-6 were collected on October 29, 2020, and monitoring wells MW-1 (OER)/OER/MW-1, MW-2 (OER)/OER-MW-2, and MW-3 (OER)/OER-MW-3 were samples on September 24, 2020 and on December 4, 2020. The monitoring wells were sampled in accordance with USEPA low flow sampling procedures. Approximately three (3) well volumes were purged, and the purge water was piped to a “flow cell,” where groundwater parameters including pH, redox potential, specific conductance, dissolved oxygen, salinity and turbidity were measured at three (3) minute intervals to achieve stabilization. Groundwater samples were collected once the parameters stabilized for three consecutive readings. **Appendix F** includes the purge data for the groundwater monitoring wells.

The groundwater gradient was calculated to be in northerly/northeasterly direction across the Site. A groundwater contour map was developed using well gauging and surveying data (**Figure 4.4, Appendix A**).

4.6 SOIL GAS INVESTIGATION

4.6.1 Soil Vapor Sampling

SESI collected ten (10) sub surface soil vapor samples (SV-11, through SV-13, SV-16, SV-17, and SV-11 (OER) to SV-15 (OER)) were collected across the Site. The sub surface soil vapor points were collected to a depth of 4 to 5 ft-bgs, which is approximately 2 to 3 feet above the

groundwater table. Sub surface soil gas samples were collected in accordance with the Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006, as amended).

4.6.2 Sampling Procedure

Semi-permanent subsurface soil vapor probes were installed with an adequate surface seal to prevent outdoor air infiltration at each sampling location. Soil gas implants were installed using a direct push Geoprobe® to attain the depths as noted in **Table 1** in **Appendix B**. Porous, inert backfill packer sand was used to create a sampling column of 2 feet in length. The implants were fitted with inert Teflon® tubing to the surface. Soil vapor probes were sealed above the sampling zone with a bentonite slurry for a minimum distance of 3 feet. The remainder of the borehole was backfilled with clean material.

Prior to sampling, the soil vapor points were purged three times the volume of the sample probe and tube. Flow rates for both purging and collecting were maintained below 0.2 liters per minute to minimize outdoor air infiltration during sampling. Samples were collected in certified 2.7-L Summa ® canisters provided by the laboratory. The ground surface was unpaved at the time of sampling which would not allow for sealing a helium trap over the vapor points, and therefore the helium tracer test was not conducted. All the samples were sent to Eurofins – Test America (an ELAP-accredited) laboratory for EPA TO-15 analysis.

5.0 REMEDIAL INVESTIGATION RESULTS

Summary of laboratory analytical results are included as **Tables 2 through 4 in Appendix C**, and presented in **Figures 4.1, 4.2, and 4.3** for soil, groundwater, and soil vapor, respectively in **Appendix A**. The laboratory data packages for soil, soil vapor and groundwater results are included as **Appendix G**.

For purposes of evaluating the remedial alternatives associated with the proposed Site redevelopment, the analytical results of the soil samples were compared to the NYSDEC USCOs, RRSCOs, and PGSCOs, and the proposed soil cleanup objective for PFAS compounds (January 2021) as presented in **Table 2 in Appendix B**. The constituent concentrations in groundwater were compared to the applicable NYSDEC AWQS as presented in **Table 3 in Appendix B**. The soil vapor data was compared to the NYSDOH May 2017 Decision Matrices Lower Threshold Values as presented in **Table 4 in Appendix B**.

5.1 SOIL INVESTIGATION RESULTS

The VOC acetone was detected in six (6) soil samples collected from four (4) soil borings at concentrations exceeding the USCO and PGSCO at depths ranging from 2.5 to 10.5 ft-bgs. However, acetone was not detected in groundwater and this could be a result of laboratory interference.

SVOCs including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, and ideno(1,2,3-cd)pyrene were detected in (15) soil samples collected from fourteen (14) soil borings at concentrations exceeding the RRSCO or PGSCOs at depths ranging from 3.5 to 10.5 ft-bgs. These VOCs and SVOCs exceedances are presented on **Figure 4.1** and on **Table 5.1** below.

Table 5.1: Summary of VOC and SVOC Exceedances in Soil

LOCATION					SB-15 (3-3.5) OER		SB-16 (2.5-3.0) OER		SB-17 (10-10.5) OER		SB-18 (3.5-4.0) OER		SB-19 (2.5-3.0) OER	
	PGSCO	RRSCO	USCO	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Semivolatile Organics by GC/MS														
Acenaphthene	98	100	20	mg/kg	7.1		0.18		0.049	J	0.14	J	0.28	J
Fluoranthene	1000	100	100	mg/kg	90		3.2		1.4		10		9.5	
Naphthalene	12	100	12	mg/kg	4.7		0.072	J	0.031	J	0.22	J	0.31	J
Benzo(a)anthracene	1	1	1	mg/kg	52		1.6		0.73		6.7		5.2	
Benzo(a)pyrene	22	1	1	mg/kg	50		1.7		0.75		6.1		5.3	
Benzo(b)fluoranthene	1.7	1	1	mg/kg	57		2		0.83		7.4		6.5	
Benzo(k)fluoranthene	1.7	3.9	0.8	mg/kg	22		0.56		0.24		2.2		2.4	
Chrysene	1	3.9	1	mg/kg	45		1.5		0.72		5.5		5	
Phenanthrene	1000	100	100	mg/kg	76		2.2		1		4.2		5.2	
Dibenzo(a,h)anthracene	1000	0.33	0.33	mg/kg	7		0.22		0.12		1		1	J
Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	mg/kg	29		1		0.45		3.4		3.5	
Pyrene	1000	100	100	mg/kg	84		3		1.3		9.6		8.6	
Dibenzofuran	210	59	7	mg/kg	5.6		0.072	J	0.037	J	0.12	J	0.28	J
Phenol	0.33	100	0.33	mg/kg	3.9	U	0.19	U	0.19	U	1	U	1.8	U
3-Methylphenol/4-Methylphenol	0.33	100	0.33	mg/kg	5.6	U	0.28	U	0.28	U	1.5	U	2.6	U
Volatile Organics by EPA 5035														
Acetone	0.05	100	0.05	mg/kg	0.091		0.0061	J	0.058		0.018		0.055	

LOCATION					SB-19 (7.5-8.0) OER		SB-19 (10-10.5) OER		SB-20 (4.5-5.0) OER		SB-21 (3-3.5) OER		SB-21 (9-9.5) OER	
	PGSCO	RRSCO	USCO	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Semivolatile Organics by GC/MS														
Acenaphthene	98	100	20	mg/kg	1.7		0.68	J	15		0.74	U	0.45	J
Fluoranthene	1000	100	100	mg/kg	0.27	J	10		130		1.2		7.4	
Naphthalene	12	100	12	mg/kg	0.54	J	0.47	J	16		0.92	U	0.37	J
Benzo(a)anthracene	1	1	1	mg/kg	1.2	U	5.2		58		0.62		3.3	
Benzo(a)pyrene	22	1	1	mg/kg	1.6	U	4.5		50		0.59	J	2.7	
Benzo(b)fluoranthene	1.7	1	1	mg/kg	1.2	U	5.8		59		0.69		3.4	
Benzo(k)fluoranthene	1.7	3.9	0.8	mg/kg	1.2	U	1.6		17		0.33	J	1.1	
Chrysene	1	3.9	1	mg/kg	1.2	U	4.4		53		0.63		3	
Phenanthrene	1000	100	100	mg/kg	1.2	U	8.8		140		0.79		6.5	
Dibenzo(a,h)anthracene	1000	0.33	0.33	mg/kg	1.2	U	0.82		6.6		0.11	J	0.42	J
Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	mg/kg	1.6	U	2.9		24		0.38	J	1.7	
Pyrene	1000	100	100	mg/kg	1	J	8.7		110		1.1		6.3	
Dibenzofuran	210	59	7	mg/kg	2.1	U	0.54	J	14		0.92	U	0.5	J
Phenol	0.33	100	0.33	mg/kg	2.1	U	0.98	U	0.6	J	0.92	U	1	U
3-Methylphenol/4-Methylphenol	0.33	100	0.33	mg/kg	3	U	1.4	U	0.77	J	1.3	U	1.4	U
Volatile Organics by EPA 5035														
Acetone	0.05	100	0.05	mg/kg	0.061		0.04		0.013	U	0.095		0.032	

LOCATION					SB-21 (12-12.5) OER		SB-22 (4.5-5.0) OER		SB-23 (4.5-5.0) OER		SB-24 (3-3.5) OER		SB-25 (3-3.5) OER	
	PGSCO	RRSCO	USCO	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Semivolatile Organics by GC/MS														
Acenaphthene	98	100	20	mg/kg	0.063	J	0.058	J	0.69		0.49		0.66	J
Fluoranthene	1000	100	100	mg/kg	1.4		1.1		8.2	E	6.5		29	
Naphthalene	12	100	12	mg/kg	0.043	J	0.15	J	0.42		0.3		0.32	J
Benzo(a)anthracene	1	1	1	mg/kg	0.74		0.62		4.8		3.3		20	
Benzo(a)pyrene	22	1	1	mg/kg	0.6		0.51		4.4		3		20	
Benzo(b)fluoranthene	1.7	1	1	mg/kg	0.76		0.71		5.7		3.7		25	
Benzo(k)fluoranthene	1.7	3.9	0.8	mg/kg	0.25		0.22		1.6		1.2		5.8	
Chrysene	1	3.9	1	mg/kg	0.65		0.6		4.1		3		18	
Phenanthrene	1000	100	100	mg/kg	0.95		0.77		7		5.4		12	
Dibenzo(a,h)anthracene	1000	0.33	0.33	mg/kg	0.074	J	0.061	J	0.76		0.52		3.5	
Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	mg/kg	0.33		0.26		3		1.9		14	
Pyrene	1000	100	100	mg/kg	1.3		1		7.3		5.8		29	
Dibenzofuran	210	59	7	mg/kg	0.053	J	0.081	J	0.5		0.29		0.33	J
Phenol	0.33	100	0.33	mg/kg	0.19	U	0.038	J	0.028	J	0.18	U	1.8	U
3-Methylphenol/4-Methylphenol	0.33	100	0.33	mg/kg	0.28	U	0.25		0.057	J	0.045	J	2.6	U
Volatile Organics by EPA 5035														
Acetone	0.05	100	0.05	mg/kg	0.21		0.045		0.011	U	0.012	U	0.012	U

LOCATION					SB-26 (2-3)		SB-27 (3-4)		SB-28 (2-3)		SB-29 (3-4)		SB-30 (3-4)	
	PGSCO	RRSCO	USCO	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Semivolatile Organics by GC/MS														
Acenaphthene	98	100	20	mg/kg	0.38	J	0.93	J	0.14	J	6.8		25	
Fluoranthene	1000	100	100	mg/kg	11		24		5		140		160	
Naphthalene	12	100	12	mg/kg	0.19	J	0.58	J	0.15	J	5		87	
Benzo(a)anthracene	1	1	1	mg/kg	7.1		14		2.6		73		68	
Benzo(a)pyrene	22	1	1	mg/kg	8		13		2.8		57		55	
Benzo(b)fluoranthene	1.7	1	1	mg/kg	8.2		17		3.2		76		65	
Benzo(k)fluoranthene	1.7	3.9	0.8	mg/kg	3		5.6		1.2		11		16	
Chrysene	1	3.9	1	mg/kg	6.6		13		2.5		67		61	
Phenanthrene	1000	100	100	mg/kg	5.9		16		2.7		100		220	
Dibenzo(a,h)anthracene	1000	0.33	0.33	mg/kg	1.4		2.4		0.39		9.9		11	
Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	mg/kg	4.6		9.1		1.7		30		34	
Pyrene	1000	100	100	mg/kg	10		22		4.3		130		130	
Dibenzofuran	210	59	7	mg/kg	0.19	J	0.63	J	0.094	J	6		34	
Phenol	0.33	100	0.33	mg/kg	0.96	U	1.3	U	0.19	U	0.16	J	1.8	
3-Methylphenol/4-Methylphenol	0.33	100	0.33	mg/kg	1.4	U	1.8	U	0.28	U	0.35	J	0.99	J
Volatile Organics by EPA 5035														
Acetone	0.05	100	0.05	mg/kg	-	-	-	-	-	-	-	-	-	-

Exceedance: NY-PGSCO: New York NYCRR Part 375 Groundwater Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
Exceedance: NY-RRSCO: New York NYCRR Part 375 Restricted-Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
Exceedance: NY-USCO: New York NYCRR Part 375 New York USCOtricted use Criteria Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Metals including barium, cadmium, chromium, copper, lead, mercury, nickel, and zinc were detected in nineteen (19) soil samples collected from sixteen (16) soil borings at concentrations exceeding the USCOs at depths ranging from 3.5 to 10.5 ft-bgs. Barium was detected in five (5) of the soil samples at concentrations exceeding the RRSCO and or PGSCO at depth ranging from 3.5 to 5 ft-bgs. Cadmium was detected in three (3) of the soil samples at concentrations

exceeding the RRSCO and or PGSCO. Lead was detected in seven (7) of the soil samples at concentrations exceeding the RRSCO and or PGSCO. The metals exceedances are presented on **Figure 4.1** and **Table 5.2** below.

Pesticides including dieldrin, 4,4-DDE, 4.4-DDD, and 4,4-DDT were detected in twenty-two (22) soil samples collected from eighteen (18) soil borings at concentrations exceeding the USCO at depths ranging from 3.5 to 10 ft-bgs. Dieldrin was detected in one (1) soil sample exceeding it PGSCO at a depth of 4.5 to 5 ft-bgs. The pesticide exceedances are presented on **Figure 4.1** and **Table 5.2** below.

PFOS was detected in two (2) soil samples collected from one (1) soil boring at concentrations exceeding the proposed Protection of Groundwater SCOs at a depth of 4.5 to 5 ft-bgs, and the Proposed Unrestricted Use SCOs at depth of 4.5 to 8.5 ft-bgs. The PFOS screening level exceedances are presented on **Figure 4.1** and **Table 5.2** below.

Table 5.2: Summary of Metals, Pesticides, and PFOS Exceedances in Soil

LOCATION					SB-15 (3-3.5) OER		SB-16 (2.5-3.0) OER		SB-17 (10-10.5) OER		SB-18 (3.5-4.0) OER		SB-18 (7-7.5) OER		SB-19 (2.5-3.0) OER	
	PGSCO	RRSCO	USCO	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Organochlorine Pesticides by GC																
Dieldrin	0.1	0.2	0.005	mg/kg	0.0113	U	0.000818	J	0.00115	IP	0.0012	U	0.00115	U	0.00104	U
4,4'-DDE	17	8.9	0.0033	mg/kg	0.0564		0.00284		0.00261		0.0104		0.00184	U	0.0218	
4,4'-DDD	14	13	0.0033	mg/kg	0.216		0.00599		0.00259		0.0294		0.00184	U	0.0943	P
4,4'-DDT	136	7.9	0.0033	mg/kg	0.0636	IP	0.00318	JIP	0.00955		0.00456	IP	0.00346	U	0.0255	
Perfluorinated Alkyl Acids by Isotope Dilution																
PFOS		44	0.88	ug/kg	-	-	-	-	-	-	-	-	-	-	-	-
Total Metals																
Barium, Total	820	400	350	mg/kg	626		68		71.6		302		10.4		313	
Cadmium, Total	7.5	4.3	2.5	mg/kg	1.17		0.215	J	0.376	J	0.795	J	0.92	U	6.18	
Chromium		180	30	mg/kg	14.8		7.82		12.7		19.9		3.43		15.2	
Copper, Total	1720	270	50	mg/kg	34.4		6.99		13.6		12.8		1.44		56.1	
Lead, Total	450	400	63	mg/kg	1400		226		702		1420		12.2		1310	
Mercury, Total	0.73	0.81	0.18	mg/kg	0.452		0.145		0.082	U	0.657		0.078	U	0.346	
Nickel, Total	130	310	30	mg/kg	14.7		21		11.1		6.26		1.66	J	24	
Zinc, Total	2480	10000	109	mg/kg	647		58.4		302		594		22.5		1060	
LOCATION					**SB-19 (7.5-8.0) OER**		**SB-19 (10-10.5) OER**		**SB-20 (4.5-5.0) OER**		**SB-21 (3-3.5) OER**		**SB-21 (9-9.5) OER**		**SB-21 (12-12.5) OER**	
	PGSCO	RRSCO	USCO	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Organochlorine Pesticides by GC																
Dieldrin	0.1	0.2	0.005	mg/kg	0.00122	U	0.00192	IP	0.00657		0.00535	U	0.00501		0.00117	U
4,4'-DDE	17	8.9	0.0033	mg/kg	0.00196	U	0.0673		0.0189	IP	0.0142		0.0205		0.00469	
4,4'-DDD	14	13	0.0033	mg/kg	0.00196	U	0.444		0.134	IP	0.0393		0.0883	IP	0.0276	
4,4'-DDT	136	7.9	0.0033	mg/kg	0.00367	U	0.111		0.00781	IP	0.0112	J	0.00791		0.00455	
Perfluorinated Alkyl Acids by Isotope Dilution																
PFOS		44	0.88	ug/kg	-	-	-	-	-	-	-	-	-	-	-	-
Total Metals																
Barium, Total	820	400	350	mg/kg	10.5		194		286		56.2		180		139	
Cadmium, Total	7.5	4.3	2.5	mg/kg	0.974	U	1.63		3.75		0.274	J	0.093	J	0.126	J
Chromium		180	30	mg/kg	3.39		9.89		15.3		3.65		1.1		5.23	
Copper, Total	1720	270	50	mg/kg	1.86		15.6		27.2		27.6		3.77		7.19	
Lead, Total	450	400	63	mg/kg	4.67	J	349		2200		31.2		53.2		63.8	
Mercury, Total	0.73	0.81	0.18	mg/kg	0.086	U	0.092	U	0.332		0.052	J	0.089	U	0.079	U
Nickel, Total	130	310	30	mg/kg	2.28	J	15.7		16.2		4.28		0.771	J	4.11	
Zinc, Total	2480	10000	109	mg/kg	13		319		2070		45.7		71.1		65.9	
LOCATION					**SB-22 (4.5-5.0) OER**		**SB-23 (4.5-5.0) OER**		**SB-23 (7.5-8.0) OER**		**SB-23 (11.5-12.0) OER**		**SB-24 (3-3.5) OER**		**SB-25 (3-3.5) OER**	
	PGSCO	RRSCO	USCO	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Organochlorine Pesticides by GC																
Dieldrin	0.1	0.2	0.005	mg/kg	0.00585		0.11		0.00109	U	0.00114	U	0.00107	U	0.00109	U
4,4'-DDE	17	8.9	0.0033	mg/kg	0.0244		0.105		0.0263		0.00123	J	0.0838		0.0135	
4,4'-DDD	14	13	0.0033	mg/kg	0.0219		0.0252		0.00153	J	0.00183	U	0.0184		0.0578	
4,4'-DDT	136	7.9	0.0033	mg/kg	0.0763		0.203		0.0149		0.00344	U	0.273		0.037	IP
Perfluorinated Alkyl Acids by Isotope Dilution																
PFOS		44	0.88	ug/kg	-	-	-	-	-	-	-	-	-	-	-	-
Total Metals																
Barium, Total	820	400	350	mg/kg	963		372		8.14		3.54		72.2		98.3	
Cadmium, Total	7.5	4.3	2.5	mg/kg	1.6		1.32		0.678	J	0.919	U	0.566	J	0.491	J
Chromium		180	30	mg/kg	32.4		9.22		3.34		2.09		13.1		10.4	
Copper, Total	1720	270	50	mg/kg	41.4		35		1.74		1.23		42.2		30.6	
Lead, Total	450	400	63	mg/kg	1650		1600		15.2		2.19	J	102		111	
Mercury, Total	0.73	0.81	0.18	mg/kg	0.262		0.628		0.075	U	0.076	U	0.153		0.142	
Nickel, Total	130	310	30	mg/kg	29.3		11.6		0.821	J	0.928	J	13.1		9.33	
Zinc, Total	2480	10000	109	mg/kg	2680		543		181		22		195		90.1	

LOCATION					SB-15 (4.5-5)		SB-15 (8-8.5)		SB-26 (2-3)		SB-27 (3-4)		SB-28 (2-3)		SB-29 (3-4)	
	PGSCO	RRSCO	USCO	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Organochlorine Pesticides by GC																
Dieldrin	0.1	0.2	0.005	mg/kg	0.0011	U	0.0013	U	0.00566	U	0.0151	U	0.0109		0.0244	U
4,4'-DDE	17	8.9	0.0033	mg/kg	0.0155	IP	0.000619	J	0.036		0.0578		0.0347		0.132	P
4,4'-DDD	14	13	0.0033	mg/kg	0.0342		0.00217		0.0577		0.106		0.0842		0.312	P
4,4'-DDT	136	7.9	0.0033	mg/kg	0.0431		0.00389	U	0.017	U	0.0453	U	0.0476		0.116	P
Perfluorinated Alkyl Acids by Isotope Dilution																
PFOS	3.7	44	0.88	ug/kg	8.07		1.43		-	-	-	-	-	-	-	-
Total Metals																
Barium, Total	820	400	350	mg/kg	-	-	-	-	896		552		382		808	
Cadmium, Total	7.5	4.3	2.5	mg/kg	-	-	-	-	0.989		5.28		0.96		4.72	
Chromium		180	30	mg/kg	-	-	-	-	16.1		34.8		18.9		45.3	
Copper, Total	1720	270	50	mg/kg	-	-	-	-	41.5		113		43.1		55.1	
Lead, Total	450	400	63	mg/kg	-	-	-	-	2750		1220		702		833	
Mercury, Total	0.73	0.81	0.18	mg/kg	-	-	-	-	0.698		0.578		0.689		0.426	
Nickel, Total	130	310	30	mg/kg	-	-	-	-	18.1		45.1		19.5		16.4	
Zinc, Total	2480	10000	109	mg/kg	-	-	-	-	774		2640		377		1190	

LOCATION					SB-30 (3-4)		SB-31 (4-5)	
	PGSCO	RRSCO	USCO	Units	Results	Q	Results	Q
Organochlorine Pesticides by GC								
Dieldrin	0.1	0.2	0.005	mg/kg	0.00109	U	0.0179	
4,4'-DDE	17	8.9	0.0033	mg/kg	0.00174	U	0.00138	J
4,4'-DDD	14	13	0.0033	mg/kg	0.0922		0.00127	J
4,4'-DDT	136	7.9	0.0033	mg/kg	0.00327	U	0.00317	U
Perfluorinated Alkyl Acids by Isotope Dilution								
PFOS		44	0.88	ug/kg	-	-	-	-
Total Metals								
Barium, Total	820	400	350	mg/kg	74.3		233	
Cadmium, Total	7.5	4.3	2.5	mg/kg	0.666	J	0.423	J
Chromium		180	30	mg/kg	13.8		10.9	
Copper, Total	1720	270	50	mg/kg	15		10.4	
Lead, Total	450	400	63	mg/kg	67.1		255	
Mercury, Total	0.73	0.81	0.18	mg/kg	0.075		0.116	
Nickel, Total	130	310	30	mg/kg	33.1		9.41	
Zinc, Total	2480	10000	109	mg/kg	72.6		295	

Exceedance: NY-PGSCO: New York NYCRR Part 375 Groundwater Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
Exceedance: NY-RRSCO: New York NYCRR Part 375 Restricted-Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
Exceedance: NY-USCO: New York NYCRR Part 375 New York USCOtricted use Criteria Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

J - Presumptive evidence of compound.
U - Not detected at the reported
I - The lower value for the two columns has been reported due to obvious interference.
P - The RPD between the results for the two columns exceeds the method-specified criteria.

The following conclusions can be made based on the above soil results:

- The overall depth of impacted soils ranged from 2.5 feet to 12.5 ft-bgs.
- VOC, SVOC, metals, and pesticides impacts exceeding both USCO, RRSCOs and/or PGSCOs were identified in soils at depths ranging from 2.5 to 10.5 ft-bgs.
- Metals and pesticide impacts exceeding the USCOs were also identified on the Site at a depths up to 12.5 ft-bgs.
- Pesticide impacts exceeding the USCOs were identified in one hotspot area to depths of 5 ft-bgs in one hotspot area at the northeastern portion of the Site.
- PFOS was detected in one area at the northeastern corner of across the Site exceeding the proposed Protection of Groundwater SCOs at a depth of 4.5 to 5 ft-bgs, and the Proposed Unrestricted Use SCOs at depth of 4.5 to 8.5 ft-bgs.

5.2 GROUNDWATER

SVOCs including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and ideno(1,2,3-cd)pyrene were detected in groundwater samples collected from monitoring wells MW-1 OER/OER-MW-1, MW-2 OER/OER-MW-2, MW-3 OER/OER-MW-3, MW-4, MW-6, and duplicated samples DUP (10/29/2020) and GW-DUP (12/4/2020) at concentrations exceeding the AWQSs. SVOCs exceeding the AWQSs are presented on **Figure 4.2** and on **Table 5.3** below.

Metals including antimony, iron, manganese, magnesium, and sodium were detected in groundwater samples collected from monitoring wells MW-1 OER/OER-MW-1, MW-2 OER/OER-MW-2, MW-3 OER/OER-MW-3, MW-1, MW-2, MW-3, MW-4, MW-5, and MW-6 at concentrations exceeding the AWQS. In addition, the pesticide dieldrin was detected in monitoring well MW-3 OER/OER-MW-3 exceeding the AWQS. Finally, the PFAS compounds PFOA and PFOS were detected at concentrations exceeding the NYSDEC Groundwater Screening Level of 10 ng/L in groundwater throughout the Site. The metals, pesticides, and PFAS compounds exceeding AWQS are presented on **Figure 4.2** and on **Table 5.3** below.

Table 5.3: Summary of Metals, Pesticides, and PFAS Exceedances in Groundwater

LOCATION			MW-1 OER		OER-MW-1		MW-2 OER		OER-MW-2		MW-3 OER		OER-MW-3		GW-DUP (OERMW3)	
	AWQS	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Organochlorine Pesticides by GC																
Dieldrin	0.004	ug/l	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Perfluorinated Alkyl Acids by Isotope Dilution																
Perfluorooctanoic Acid (PFOA)	0.01	ug/l	-	-	0.0196	F	-	-	0.0226	F	-	-	0.0393	F	0.0356	F
Perfluorooctanesulfonic Acid (PFOS)	0.01	ug/l	-	-	0.0297	F	-	-	0.0435	F	-	-	0.0296	F	0.0322	F
Semivolatile Organics by GC/MS-SIM																
Benzo(a)anthracene	0.002	ug/l	0.12		0.1	U	0.04	J	0.1	U	0.03	J	0.1	U	0.02	J
Benzo(a)pyrene	0	ug/l	0.11		0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.02	J
Benzo(b)fluoranthene	0.002	ug/l	0.17		0.1	U	0.02	J	0.1	U	0.02	J	0.1	U	0.03	J
Benzo(k)fluoranthene	0.002	ug/l	0.09	J	0.1	U	0.1	U	0.1	U	0.01	J	0.1	U	0.02	J
Chrysene	0.002	ug/l	0.15		0.1	U	0.03	J	0.1	U	0.02	J	0.1	U	0.02	J
Indeno(1,2,3-cd)pyrene	0.002	ug/l	0.12		0.1	U	0.1	U	0.1	U	0.01	J	0.1	U	0.04	J
Total Metals																
Antimony, Total	3	ug/l	2.09	J	3.94	J	1.05	J	1.48	J	0.97	J	2.04	J	3.12	J
Iron, Total	300	ug/l	2690		58.8		5310		75.3		11500		46.7	J	51.4	
Magnesium, Total	35000	ug/l	22900		11500		28200		18500		26500		8830		8430	
Manganese, Total	300	ug/l	264.7		10.36		248.9		170		494		1.79		1.96	
Sodium, Total	20000	ug/l	112000		78800		146000		120000		161000		34700		33900	
LOCATION			MW-4		MW-5		MW-1		MW-2		MW-3		MW-6		DUP (MW1)	
	AWQS	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Organochlorine Pesticides by GC																
Dieldrin	0.004	ug/l	-	-	-	-	0.029	U	-	-	0.03		-	-	0.029	U
Perfluorinated Alkyl Acids by Isotope Dilution																
Perfluorooctanoic Acid (PFOA)	0.01	ug/l	0.0271		0.026		0.0369		0.122		0.0589		0.0253		0.0355	
Perfluorooctanesulfonic Acid (PFOS)	0.01	ug/l	0.0144		0.0192		0.0235		0.00984		0.00475	F	0.0209		0.0257	
Semivolatile Organics by GC/MS-SIM																
Benzo(a)anthracene	0.002	ug/l	0.03	J	0.1	U	0.1	U	0.1	U	0.1	U	0.06	J	0.02	J
Benzo(a)pyrene	0	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.13		0.1	U
Benzo(b)fluoranthene	0.002	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.17		0.01	J
Benzo(k)fluoranthene	0.002	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.07	J	0.01	J
Chrysene	0.002	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.05	J	0.1	U
Indeno(1,2,3-cd)pyrene	0.002	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.16		0.01	J
Total Metals																
Antimony, Total	3	ug/l	1.29	J	1.07	J	4	U	0.74	J	4	U	1.42	J	0.68	J
Iron, Total	300	ug/l	1640		2690		4060		1420		1110		7440		3960	
Magnesium, Total	35000	ug/l	22300		17200		22000		14400		52400		13800		20100	
Manganese, Total	300	ug/l	78.28		102.1		84.84		88.46		37.81		194.5		83.44	
Sodium, Total	20000	ug/l	121000		126000		161000		147000		203000		60100		149000	

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
Yellow Highlight - Concentration Exceeds the NYSDEC AWQS

The following conclusions can be made based on the groundwater results:

- The groundwater depth is approximately 6 to 8 ft-bgs across site and flows to the north.
- The Site's groundwater has been impacted with SVOCs, metals, and pesticide compounds above NYSDEC AQWS.
- SVOC impacts to groundwater exceeding the AWQS were identified near the south western portion of the Site.
- Metals impacts to groundwater exceeding the AWQS were identified sitewide.
- Pesticide impacts to groundwater exceeding the AWQS were identified near the southeastern portion of the Site
- The Site's groundwater has been impacted with PFOS and PFOA Site wide at concentrations exceeding the NYSDEC groundwater screening levels for PFAS compounds.
- No VOCs or PCBs were detected in exceedance of their AWQS in the Site groundwater.

5.3 SOIL GAS RESULTS

As shown on **Table 5.4** below and on **Figure 5.3** the CVOC PCE was detected in SG-11 near the northeastern corner of the Site at a concentration of 115 ug/m^3, exceeding its NYSDOH Decision Matrix B Sub-slab Lower Threshold Value of 100 ug/m^3. TCE was detected in SG-7 at a concentration 434 ug/m^3 and in SG-11 (OER) at a concentration of 19.5 ug/m^3 exceeding the NYSDOH Decision Matrix A Sub-slab Lower Threshold Value of 6 ug/m^3. Cis-1,2-DCE was detected in SG-1 at a concentration of 9.99 ug/m^3, exceeding the NYSDOH Decision Matrix A Sub-slab Lower Threshold Value of 6 ug/m^3. In addition, The CVOCs including chloroform and PCE, were detected in soil vapor at the southwestern portion of the Site in locations near former dry-cleaning establishments, and vinyl chloride near the northeastern portion of the Site. Specifically, PCE was detected across the Site at concentrations ranging from 1.84 ug/m^3 (SG-13) to 36.1 ug/m^3 (SG-11 OER). Chloroform was detected at concentrations ranging from 4.93 ug/m^3 (SG-7) to 18.8 ug/m^3 (SG-11). Finally, vinyl chloride was detected in SG-1 at a concentration of 5.62 ug/m^3. However, these concentrations of PCE chloroform and vinyl chloride are below their NYSDOH Decision Matrices Sub-slab Lower Threshold Values.

The petroleum VOCs benzene, 1,3-butadiene, heptane, hexane, toluene, and xylenes were detected in soil vapor. Specifically, benzene was detected in SG-3 at a concentration of 19.3 ug.m^3. 1,3-butadiene was detected across the site at concentrations ranging from 0.746 ug/m^3 (SG-1) to 24.3 ug/m^3 (SG-9). Heptane was detected across the Site at concentrations ranging from 1.05 ug/m^3 (SG-3) to 8,730 ug/m^3 (SG-5). Hexane was detected across the Site at

concentrations ranging from 1.32 ug/m^3 (SG-3) to 12,400 ug/m^3 (SG-5). Toluene was detected across the Site at concentrations ranging from 3.99 ug/m^3 (SG-8) to 35 ug/m^3 (SG-3). Finally, xylenes were detected across the Site at concentrations ranging from 4.09 ug/m^3 (SG-8) to 17.1 ug/m^3 (SG-3).

Table 5.4: Summary of VOC Exceedances in Soil Vapor

LOCATION					SG-1		SG-7		SG-11		SG-11 (OER)	
	SSC-A	SSC-B	SSC-C	Units	Results	Q	Results	Q	Results	Q	Results	Q
Volatile Organics in Air												
Tetrachloroethene		100		ug/m3	11.3		15.9		115		36.1	
cis-1,2-Dichloroethene	6			ug/m3	9.99		ND		ND		ND	
Trichloroethene	6			ug/m3	ND		434		5.22		19.5	

NY-SSC-A: New York DOH Matrix A Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.
NY-SSC-B: New York DOH Matrix B Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.
NY-SSC-C: New York DOH Matrix C Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.

ND = Not Detected

6.0 REMEDIAL INVESTIGATION FINDINGS AND SUMMARY

6.1 CONCEPTUAL SITE MODEL

The overall depth of impacted soils ranged from 2.5 to 12.5 ft-bgs. VOC, SVOC, metals, and pesticides impacts exceeding both USCO and RRSCOs were identified in soils at depths ranging from 2.5 to 10.5 ft-bgs at the southwestern portion of the Site. Metals and pesticide impacts exceeding the USCOs were also identified in one hotspot at the southwestern portion of the Site at depths up to 12.5 ft-bgs. PFOS was detected in one hotspot area at the northeastern corner of the Site exceeding the proposed Protection of Groundwater SCOs at a depth of 4.5 to 5 ft-bgs, and the Proposed Unrestricted Use SCOs at depth of 4.5 to 8.5 ft-bgs. The applicable standards criteria and guidance (SCGs) for the Site groundwater are the NYSDEC TOGS 1.1.1 AWQS. The Site's groundwater has been impacted with SVOCs metals, and pesticide compounds above NYSDEC TOGS AQWS groundwater standards near the southwestern portion of the Site. In addition, the Sites groundwater has been impacted with metals and pesticides exceeding the AWQS were near the central and northern portions of the Site. Finally, the Site's groundwater has been impacted with PFAS compounds exceeding the NYSDEC PFAS groundwater screening levels.

The Site groundwater flow direction is to the north. The groundwater table is 6 to 8 ft-bgs. The pathway of the contaminated groundwater to human receptors is limited to the ingestion of the groundwater or direct exposure through excavation work. However, groundwater in this area of Brooklyn is not used for drinking. In addition, the impacted Site groundwater is not likely to have an ecological pathway.

Finally, the petroleum VOCs and CVOCs detected in soil vapor can result in soil vapor intrusion into the future on-Site buildings. A vapor intrusion evaluation will be needed for this Site's proposed enclosed building areas as these PHC VOCs and CVOCs may result in soil vapor intrusion into the future on-Site buildings.

6.2 HUMAN HEALTH EXPOSURE ASSESSMENT

This exposure assessment discusses potential migration routes by which chemicals in the environment may be able to reach human receptors in accordance with NYSDEC DER-10 sections 3.14(c)17, 3.3(c)4 and Appendix 3B. This discussion is based on current and hypothetical future site conditions at the investigation area.

An exposure assessment must evaluate five (5) elements that comprise an exposure pathway. A complete exposure pathway includes the following:

1. A description of the contaminant source. If the original source is unknown, then a description of the contaminated environmental medium at the point of exposure;
2. An explanation of the transport mechanism;
3. An identification of all potential exposure points;
4. A description of the exposure route at the contact point; and
5. A receptor population.

There are some exposure pathways related to the contamination if left unaddressed:

Soil

Potential routes of exposure to subsurface and surface soils include dermal contact, ingestion and inhalation of soil particulates. At present, potential exposure points have been eliminated by restricting public access to the Site through fencing. During future construction activities, specifically disturbance of soils, the potential for exposures to soils would increase for on-site workers, utility workers, visitors and trespassers.

VOCs, SVOCs, metal, and PFAS exceedances of the USCOs and/or RRSCOs in the Site soil that consist of contaminated fill pose a risk to human health. The exposure pathway to humans can be through direct dermal contact with the contaminated soils or incidental ingestion..

Groundwater

Potential groundwater exposure points include ingestion, dermal contact and inhalation of vapors. Brooklyn utilizes municipal water (not groundwater) for drinking purposes. Thus, ingestion as a potential exposure point may be eliminated from further evaluation.

Potential exposures through dermal contact and vapor inhalation would arise during future demolitions, redevelopment or utility repairs where workers, visitors, or trespassers may be exposed to groundwater. The groundwater will naturally attenuate with time and is not anticipated to be a pathway for human heath exposure since groundwater use is prohibited for drinking water purposes in this area.

Surface Water

Surface water is not present on the Site. Thus, this exposure pathway may be eliminated from further evaluation.

Soil Vapor

When volatile organics are detected in soil gas, it creates a potential exposure to building occupants through vapors accumulating beneath structures or impacting indoor air quality within a structure. Currently, all potential human receptors are restricted from entering by fencing. Thus, a potential exposure point does not exist. However, after the site is redeveloped, a potential that vapors could accumulate in enclosed areas such as basements, crawl spaces, etc. of the proposed building would arise.

The VOC levels in the Site soil vapors were found to exceed the NYSDOH Matrices Lower Threshold concentrations without the implementation of the proposed remedial action identified in the RAWP, provided under separate cover. The exposure route for soil vapor is through the inhalation of the contaminated soil vapor that may intrude into the enclosed spaces of any planned Site development.

6.3 FISH AND WILDLIFE IMPACT ANALYSIS

The Site does not contain any wildlife or fish ecologically sensitive resources and hence the Site contamination is not expected to have any impacts on any fish or wildlife ecological resources. The closest surface water body to the Site is the Lower New York Bay, which is located approximately 0.26-miles south of the Site. It is unlikely the contaminated groundwater from the Site will reach the surface water of the Lower New York Bay. The detected groundwater contaminant levels is expected to decrease as a result of natural attenuation. Per DER-10 Appendix 3C, no fish and wildlife impact analysis was needed.

6.4 DATA USABILITY SUMMARY REPORT

To ensure that the field sampling and laboratory analytical practices were acceptable, the data associated with all the samples were validated by a third party (in accordance with requirements of DER-10). The validation approach and results are presented in the Data Usability Summary Reports (DUSRs) and are included **Appendix H**. All data collected during this RI has been submitted in the NYSDEC approved Electronic Data Deliverable (EDD) format using the DECs Environmental Information Management System (EIMS) database software application EQuIS^{TM}, and is subject to acceptance.

The DUSR includes data sets from this phase of the remedial investigation and the remedial action. The DUSR was carried out as specified in DER-10 to evaluate the quality control measures that were implemented during the field and laboratory analytical programs, with the objective of determining whether the reported analytical data are representative and usable for decision making. The DUSR evaluated whether the data are technically defensible (i.e. were all analytical data requirements met and documented?). Data usability analysis reviews the Site data to determine whether they are adequate to draw conclusions regarding the nature and extent of contamination.

The items that were reviewed as part of the DUSR include the following:

- Completeness (number of samples collected and analyzed compared to plans)
- Chains of custody are complete and accurate
- Holding times
- Instrument calibration
- Relative percent difference between field duplicates
- Reasonableness of data (e.g. relationships between total and soluble analytes)
- Blank contamination
- Laboratory Control Sample (LCS) results
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicates (MS/MSD) results
- Quantitation Limits and Data Assessment
- Internal Standards/Labeled Compounds

The DUSR for the samples analyzed by Alpha Analytical showed that the overall performances of the analyses are acceptable and did fulfill the requirements of the analytical methods. The samples were analyzed within the USEPA SW-846 holding times. None of the analytical data changed based on the DUSR. Some issues were identified resulting in minor data qualifiers due to laboratory quality control outliners. Some notable issues for the contaminants of concern are described below.

<u>Soil Vapor:</u>

<u>SDG # L2040304 and L2046909</u>

- No notable issues for the RIR contaminants of concern.

Groundwater:

SDG# L2040315

- Contamination was detected in the associated SVOC method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected.
- Contamination was detected in the associated SVOC-SIM method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected.

SDG# L2047240

- Contamination was detected in the trip blank sample TB and field blank sample FB for VOC analysis. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x reporting limits (RL) (for common contaminants) and <RL (for other contaminants) of the concentrations detected. The following table summarizes the contamination detected.
- Contamination was detected in the associated SVOC method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected.
- Contamination was detected in the associated SVOC-SIM method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected.

- Contamination was detected in the associated PF AS method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at the reporting limit (RL) for contaminants.
- Contamination was detected in the field blank sample FB for PFAS analysis. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at the reporting limit (RL) for contaminants.

SDG# L2047446

- The perfluorohexanoic acid result for the samples MW-1, MW-2, MW-3, MW-6, FB, and DUP were estimated due to instrument sensitivity check exceedance. The bias cannot be determined. The result can be used for project objectives as a detects with estimated values (J) which may have a minor impact on the data usability.
- Contamination was detected in the associated SVOC method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected.
- Contamination was detected in the associated SVOC-SIM method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected.
- Contamination was detected in the field blank sample FB for PFAS analysis. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at the reporting limit (RL) for contaminants.

SDG # L2054336

- The perfluorotetradecanoic acid result for the samples OER-MW-1, OER-MW-2, OER-MW-3, GW-DUP 1214, and FB was estimated due to continuing calibration exceedance. The bias cannot be determined. The result can be used for project objectives as nondetect

with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

- Contamination was detected in the associated SVOC method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected.
- Contamination was detected in the trip blank sample TB and field blank sample FB for VOC analysis. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x reporting limits (RL) (for common contaminants) and <RL (for other contaminants) of the concentrations detected.
- Contamination was detected in the field blank sample FB for SVOC analysis. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x reporting limits (RL) (for common contaminants) and <RL (for other contaminants) of the concentrations detected.
- Contamination was detected in the field blank sample FB for PF AS analysis. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at the reporting limit (RL) for contaminants.
- The perfluorooctanoic acid, perfluorodecanoic acid, and total PFOA/PFOS results for samples OER-MW-1, OER-MW-2, OER-MW-3, GW-DUP 1214, and FB were estimated due to ion ratio exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) which may have a minor impact on the data usability.

Soil

SDG # L2040027

- The SVOC nondetect results for 2-chlorophenol, 2-methylphenol, 2-nitrophenol, 2,4dimethylphenol, 2,4-dichlorophenol, 4-chloro-3-methylphenol, 2,4,6-trichlorophenol, 2,4,5trichlorophenol, 2,4-dinitrophenol, 4-nitrophenol, 4,6-dinitro-2-methylphenol,

3&4methylphenol, 2,3,4,6-tetrachlorophenol, pentachlorophenol, and phenol in samples SB-22 (4.5-5.0) and SB-22 (4.5-5.0)RE were rejected (R) due to low surrogate recoveries. The results are not usable for project objectives, which may have a major impact on the data usability.

- The SB-19 (10-10.5), SB-20 (4.5-5.0), SB-21 (9-9.5) pesticide results may be biased high. The positive results can be used for project objectives as estimated values (J) which may have a minor impact on the data usability.

SDG # L2040317

- Contamination was detected in the associated SVOC method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected.

SDG # L2046926

- For all VOC samples in this SDG, the laboratory indicated that the encore samples were extruded beyond the required 48 hour holding time. However, samples were received by the laboratory within 48 hours.
- Contamination was detected in the associated VOC method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the
- associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected.
- Contamination was detected in the associated SVOC method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected.
- Contamination was detected in the associated SVOC-SIM method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected.
- Contamination was detected in the associated PFAS method blank samples. The presence of blank contamination indicates that false positives may exist for these

compounds in the associated samples. Action Levels (ALs) were established at the reporting limit (RL) for contaminants.

SDG # L2054336

- Contamination was detected in the trip blank sample TB and field blank sample FB for VOC analysis. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x reporting limits (RL) (for common contaminants) and <RL (for other contaminants) of the concentrations detected.

Contamination was detected in the field blank sample FB for SVOC analysis. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x reporting limits (RL) (for common contaminants) and <RL (for other contaminants) of the concentrations detected.

6.5 RECOMMENDATIONS

6.5.1 Summary of RI Results

The RI filled in the missing data gaps building on prior investigations and completed the nature and extent delineation in all on-site media of contamination at the Site to the extent required to determine a remedial action for the Site. Track 1 through 4 cleanup remedies will be evaluated in the RAWP.

The RI has also determined that contaminated soil underlaying the entire Site ranges from 2.5 to 12.5 ft-bgs, which is found to be impacted with VOCs, SVOCs, metals, and pesticides in exceedances of the USCOs, RRSCOs and/or PGSCOs In addition, PFOS exceedances of the USCOs were identified to a depth of 8.5 ft-bgs.

In order to render the Site usable for future development, the RAWP will address the remedial alternatives to limit the exposure to the impacted soils and mitigate the impact to groundwater from on-site sources. It will also address alternatives to mitigate exposures to any VOC vapor intrusion into the proposed future on-Site buildings.

6.5.2 Data Limitations and Recommendations for Future Work

The RI results provide sufficient data to develop a feasible, conceptual remedy for the impacted soils, soil vapor and groundwater.

6.5.3 Recommended Remedial Action Objectives

The RI has determined that remedial action needs to be implemented to remediate the contaminated soil, which is cause an exposure and impact to groundwater risks. In addition, further evaluation of soil vapor is needed for VOCs detected in soil vapor. The specific alternatives proposed will be fully evaluated in the RAWP.

7.0 COMMUNITY AIR MONITORING DATA

Community air monitoring was performed during sub-surface investigation activities. Air monitoring concentrations did not exceed applicable action levels during the investigation and elevated levels of visual dust were not observed. The community air monitoring data is provided in **Appendix I**.

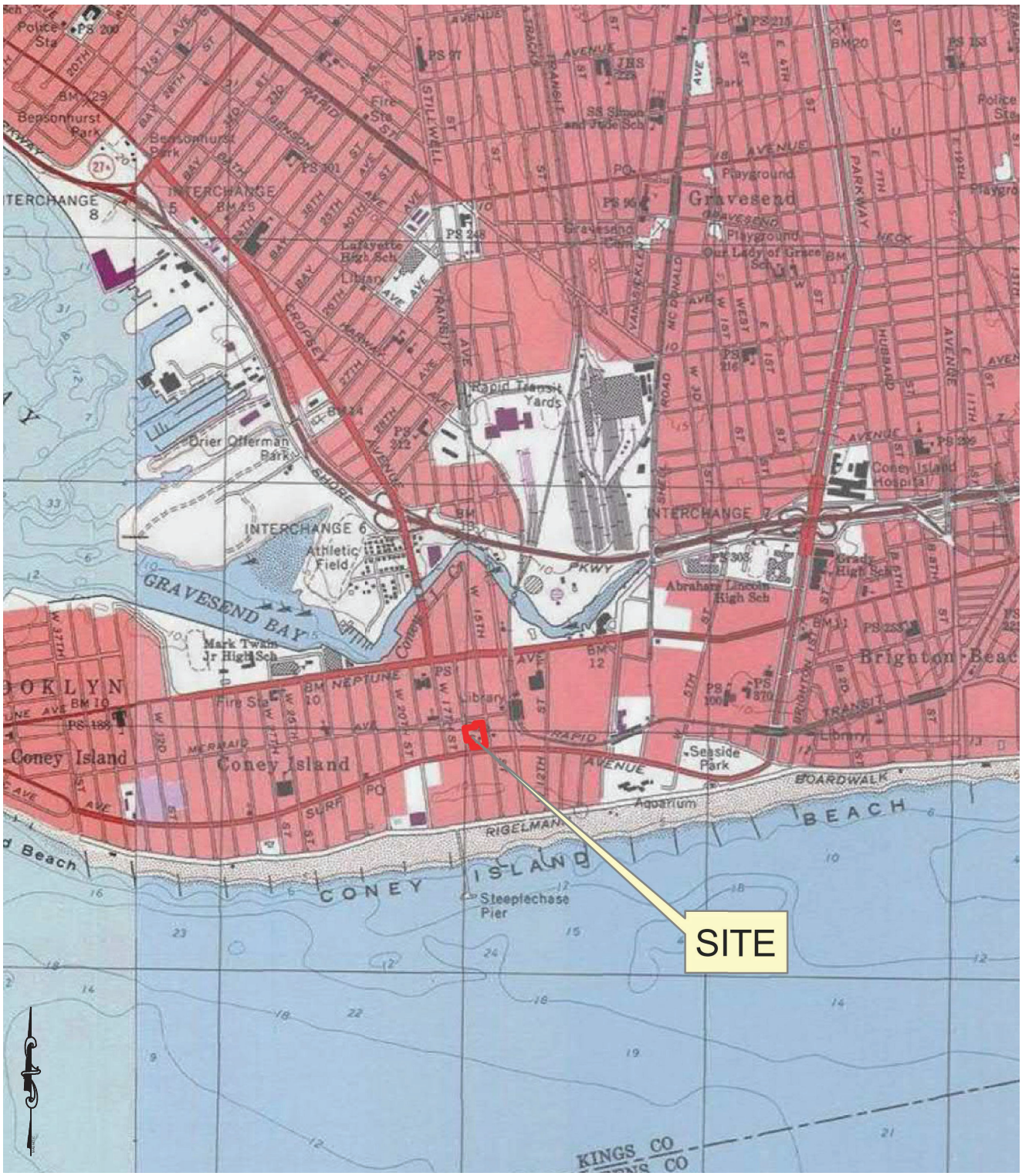
8.0 DEVIATIONS FROM THE RIWP

- There were no deviations from the approved RIWP and Addendum RIWP.

9.0 REFERENCES

- Phase I Environmental Site Assessment, August 2019, prepared by Partner Assessment Corporation.
- Revised Phase II Subsurface Investigation Report, November 2019, prepared by PSG.
- Remedial Investigation Work Plan, prepared by SESI, September 2020.
- Addendum Remedial Investigation Work Plan, prepared by SESI, November 2020.

APPENDIX A
FIGURES



REFERENCE:
SITE INFORMATION TAKEN FROM DRAWING ENTITLED "NJDEP AND NJGIN DATA" PREPARED BY PSG ENGINEERING, DPC. DATED 02/20/2020.

FIG-1

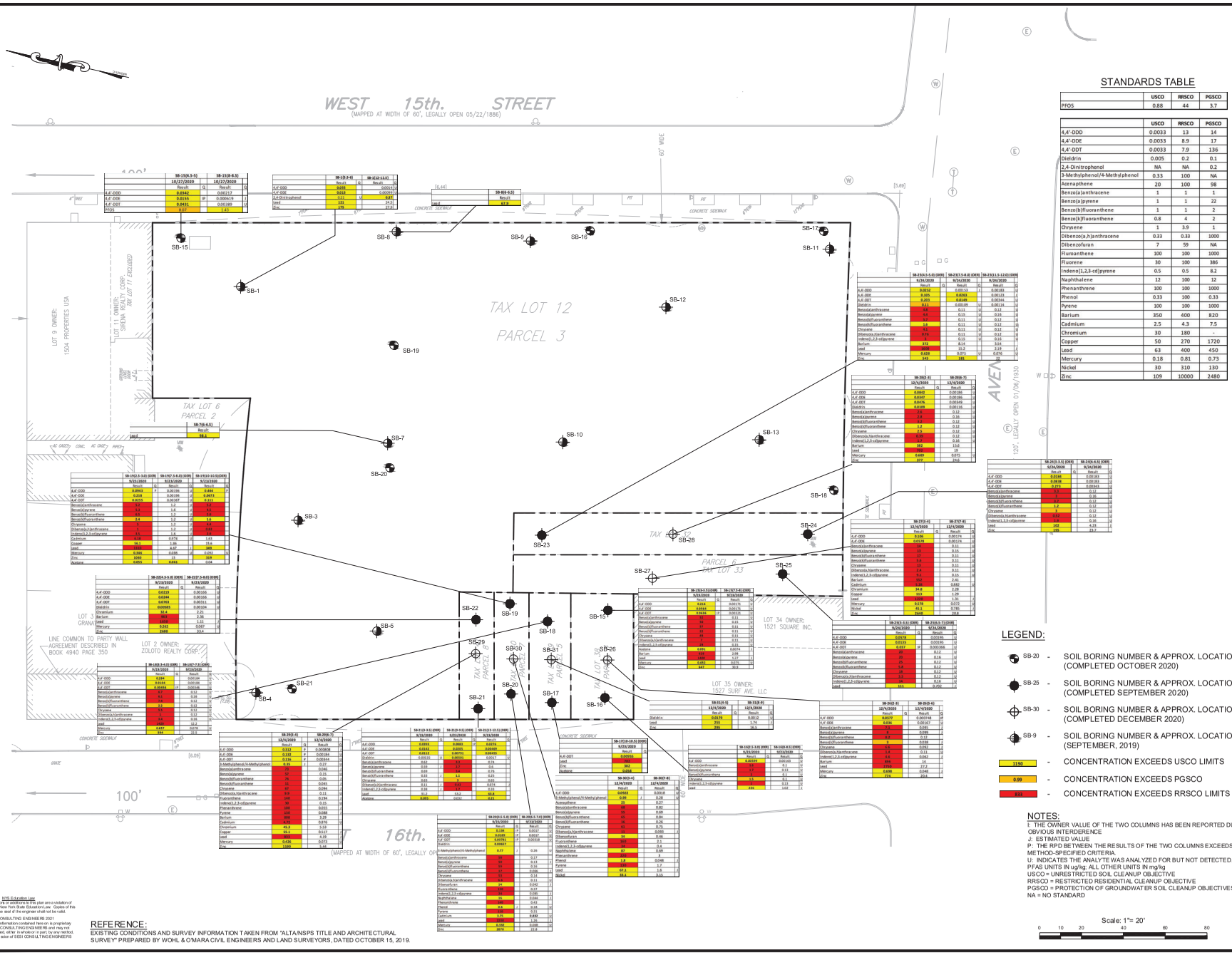
2910 WEST 15TH STREET
BLOCK 7063 LOT 12
BROOKLYN, NEW YORK

SITE LOCATION PLAN

SESI
CONSULTING
ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

DRAWN BY: yy
CHECKED BY: SG
SCALE: AS NOTED
DATE: 08/31/2020
JOB NO.: 11404

N:\ACAD\11404\CAD\11404 – FIG–1.1 – SITE LOCATION PLAN.DWG 08/31/20 01:06:11PM, jenny, LAYOUT:FIG–1



STANDARDS TABLE

	USCO	RRSCO	PGSCO
PFOS	0.88	44	3.7

	USCO	RRSCO	PGSCO
4,4'-DDD	0.0033	13	14
4,4'-DDE	0.0033	8.9	17
4,4'-DDT	0.0033	7.9	136
Dieldrin	0.005	0.2	0.1
2,4-Dinitrophenol	NA	NA	0.2
3-Methylphenol/4-Methylphenol	0.33	100	NA
Acenaphthene	20	100	98
Benzo(a)anthracene	1	1	1
Benzo(a)pyrene	1	1	22
Benzo(b)fluoranthene	1	1	2
Benzo(k)fluoranthene	0.8	4	2
Chrysene	1	3.9	1
Dibenzo(a,h)anthracene	0.33	0.33	1000
Dibenzofuran	7	59	NA
Fluoranthene	100	100	1000
Fluorene	30	100	386
Indeno[1,2,3-cd]pyrene	0.5	0.5	8.2
Naphthalene	12	100	12
Phenanthrene	100	100	1000
Phenol	0.33	100	0.33
Pyrene	100	100	1000
Barium	350	400	820
Cadmium	2.5	4.3	7.5
Chromium	30	180	-
Copper	50	270	1720
Lead	63	400	450
Mercury	0.18	0.81	0.73
Nickel	30	310	130
Zinc	109	10000	2480

LEGEND:

- SB-20 - SOIL BORING NUMBER & APPROX. LOCATION (COMPLETED OCTOBER 2020)
- SB-25 - SOIL BORING NUMBER & APPROX. LOCATION (COMPLETED SEPTEMBER 2020)
- SB-30 - SOIL BORING NUMBER & APPROX. LOCATION (COMPLETED DECEMBER 2020)
- SB-9 - SOIL BORING NUMBER & APPROX. LOCATION (SEPTEMBER, 2019)
- 1150 - CONCENTRATION EXCEEDS USCO LIMITS
- 0.99 - CONCENTRATION EXCEEDS PGSCO
- 111 - CONCENTRATION EXCEEDS RRSCO LIMITS

NOTES:

I: THE OWNER VALUE OF THE TWO COLUMNS HAS BEEN REPORTED DUE TO OBVIOUS INTERFERENCE
J: ESTIMATED VALUE
P: THE RPD BETWEEN THE RESULTS OF THE TWO COLUMNS EXCEEDS THE METHOD-SPECIFIED CRITERIA.
U: INDICATES THE ANALYTE WAS ANALYZED FOR BUT NOT DETECTED.
PFAS UNITS IN ug/kg; ALL OTHER UNITS IN mg/kg
USCO = UNRESTRICTED SOIL CLEANUP OBJECTIVE
RRSCO = RESTRICTED RESIDENTIAL CLEANUP OBJECTIVE
PGSCO = PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
NA = NO STANDARD

Scale: 1"= 20'

0 10 20 40 60 80

REFERENCE:

EXISTING CONDITIONS AND SURVEY INFORMATION TAKEN FROM "ALTA/NSPS TITLE AND ARCHITECTURAL SURVEY" PREPARED BY WOHL & O'MARA CIVIL ENGINEERS AND LAND SURVEYORS, DATED OCTOBER 15, 2019.

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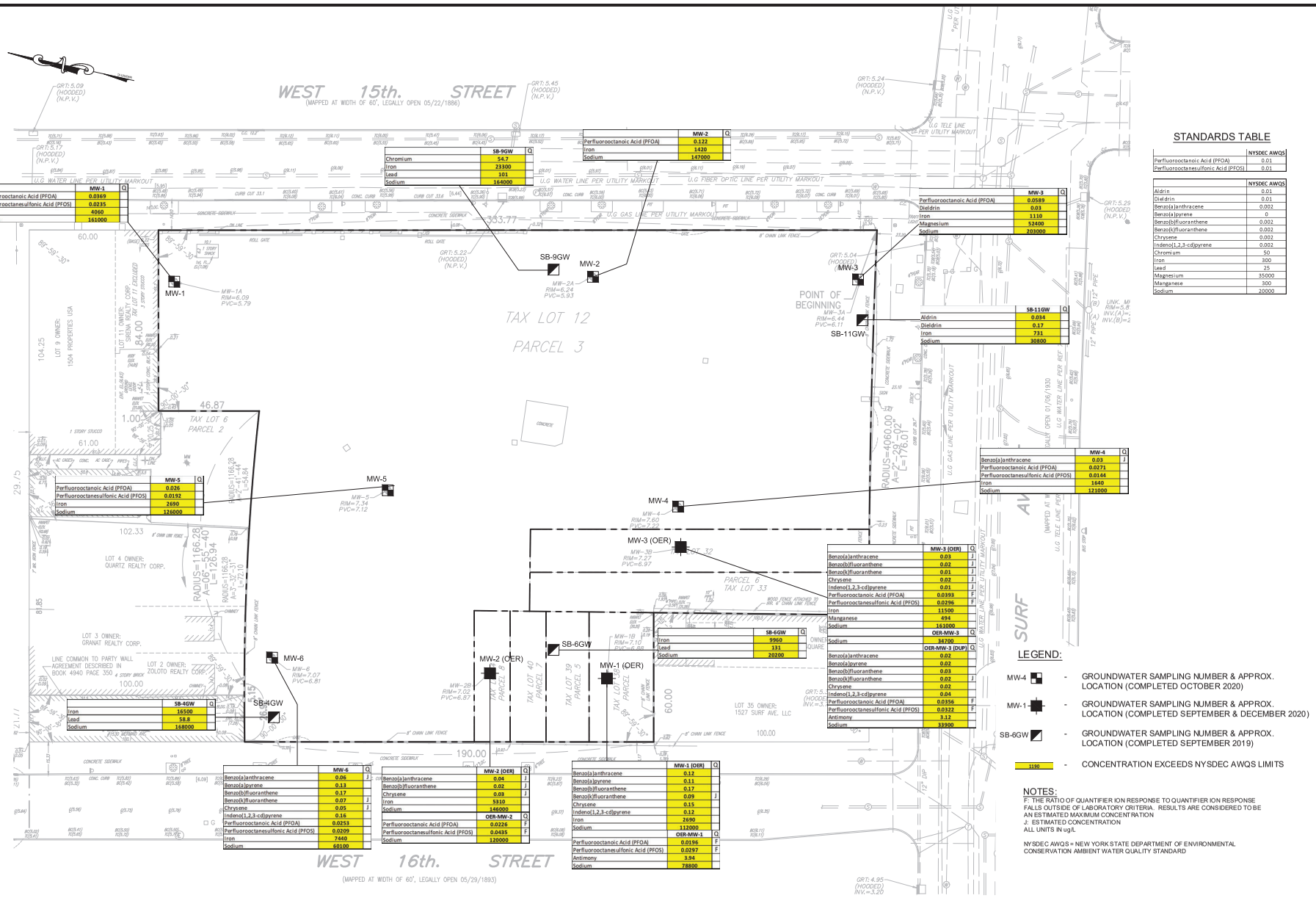
drwg by: SBB
chk by: SSG
scale: AS NOTED
date: 01/14/2021

no.	date	description	by

1515 SURF AVENUE
BROOKLYN, NEW YORK

title:
SOIL SAMPLE LOCATIONS & RESULTS

job no. 11404
drawing no.
FIG-4.1



STANDARDS TABLE

	NYSDEC AWQS
Perfluorooctanoic Acid (PFOA)	0.01
Perfluorooctanesulfonic Acid (PFOS)	0.01

	NYSDEC AWQS
Aldrin	0.01
Dieldrin	0.01
Benzo(a)anthracene	0.002
Benzo(a)pyrene	0
Benzo(b)fluoranthene	0.002
Benzo(k)fluoranthene	0.002
Chrysene	0.002
Indeno(1,2,3-cd)pyrene	0.002
Chromium	50
Iron	300
Lead	25
Magnesium	35000
Manganese	300
Sodium	20000

LEGEND:

- MW-4 - GROUNDWATER SAMPLING NUMBER & APPROX. LOCATION (COMPLETED OCTOBER 2020)
- MW-1 - GROUNDWATER SAMPLING NUMBER & APPROX. LOCATION (COMPLETED SEPTEMBER & DECEMBER 2020)
- SB-6GW - GROUNDWATER SAMPLING NUMBER & APPROX. LOCATION (COMPLETED SEPTEMBER 2019)
- 1190 - CONCENTRATION EXCEEDS NYSDEC AWQS LIMITS

NOTES:

F: THE RATIO OF QUANTIFIER ION RESPONSE TO QUANTIFIER ION RESPONSE FALLS OUTSIDE OF LABORATORY CRITERIA. RESULTS ARE CONSIDERED TO BE AN ESTIMATED MAXIMUM CONCENTRATION

J: ESTIMATED CONCENTRATION

ALL UNITS IN ug/L

NYSDEC AWQS = NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION AMBIENT WATER QUALITY STANDARD

REFERENCE:

EXISTING CONDITIONS AND SURVEY INFORMATION TAKEN FROM "ALTA/NSPS TITLE AND ARCHITECTURAL SURVEY" PREPARED BY WOHL & OMARA CIVIL ENGINEERS AND LAND SURVEYORS, DATED OCTOBER 15, 2019.

Scale: 1"= 20'

0 10 20 40 60 80

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SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
22A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-0050

by	description	rev	date

dwg by: SBB
chk by: SSG
scale: AS NOTED
date: 01/20/2021

1515 SURF AVENUE
BROOKLYN, NEW YORK

GROUNDWATER SAMPLE LOCATIONS

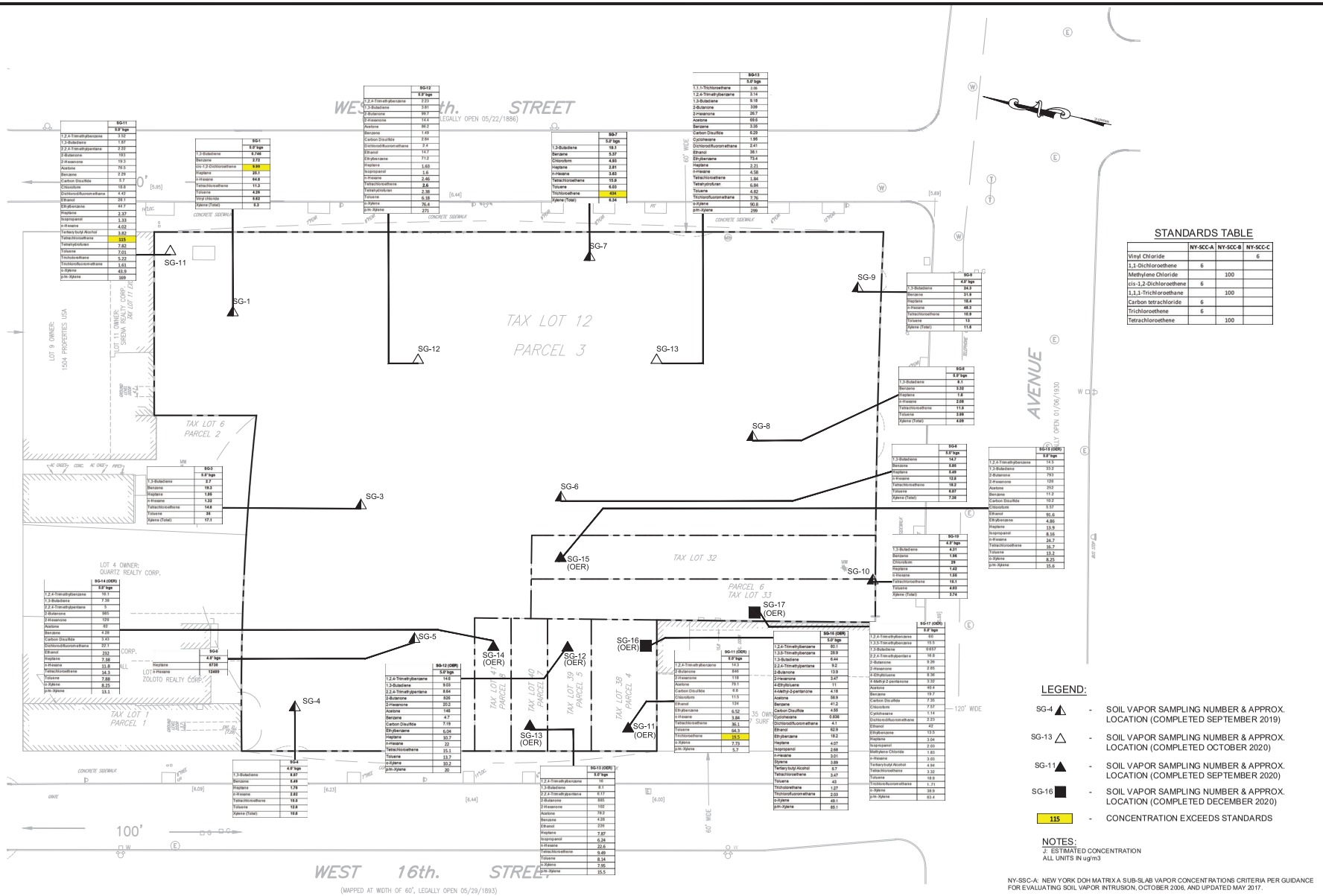
title

job no. 11404
drawing no.

FIG-4.2

1 of 1

N:\ACAD\11404\CAD\ESP\11404 – FIG-4.1 – GROUNDWATER SAMPLES.DWG 01/20/21 09:46:38PM, ssg, LAYOUT:FIG-4.2



	SG-11
	5.5' bgs
1,2,4-Trimethylbenzene	3.10
1,3-Butadiene	1.87
2,2,4-Trimethylpentane	2.20
2-Butanone	193
2-Hexanone	19.3
Acetone	76.5
Benzene	2.29
Carbon Disulfide	0.7
Chloroform	19.8
Dichlorodifluoromethane	4.42
Ethanol	28.7
Ethylbenzene	44.7
Heptane	2.37
Isopropanol	1.33
n-Hexane	4.02
Tertiary butyl Alcohol	3.82
Tetrachloroethene	115
Tetrahydrofuran	7.82
Toluene	7.01
Trichloroethene	5.22
Trichlorofluoromethane	1.61
o-Xylene	43.9
p/m-Xylene	169

	SG-1
	5.5' bgs
1,3-Butadiene	0.746
Benzene	2.73
cis-1,2-Dichloroethene	9.99
Heptane	28.1
n-Hexane	64.8
Tetrachloroethene	11.3
Toluene	4.39
Vinyl chloride	0.82
Xylene (Total)	9.3

	SG-12
	5.5' bgs
1,2,4-Trimethylbenzene	2.23
1,3-Butadiene	3.61
2-Butanone	99.7
2-Hexanone	14.4
Acetone	86.2
Benzene	1.49
Carbon Disulfide	2.64
Dichlorodifluoromethane	2.4
Ethanol	14.7
Ethylbenzene	71.2
Heptane	1.63
Isopropanol	1.6
n-Hexane	2.46
Tetrachloroethene	2.6
Tetrahydrofuran	2.38
Toluene	6.18
o-Xylene	76.4
p/m-Xylene	271

	SG-7
	5.5' bgs
1,3-Butadiene	19.1
Benzene	5.37
Chloroform	4.83
Heptane	2.81
n-Hexane	3.63
Tetrachloroethene	15.9
Toluene	6.03
Trichloroethene	434
Xylene (Total)	6.34

	SG-13
	5.5' bgs
1,1,1-Trichloroethane	3.06
1,2,4-Trimethylbenzene	3.14
1,3-Butadiene	9.18
2-Butanone	339
2-Hexanone	26.7
Acetone	99.6
Benzene	3.38
Carbon Disulfide	0.29
Cyclohexane	1.95
Dichlorodifluoromethane	2.41
Ethanol	38.1
Ethylbenzene	72.4
Heptane	2.21
n-Hexane	4.58
Tetrachloroethene	1.84
Tetrahydrofuran	6.84
Toluene	4.82
Trichlorofluoromethane	7.76
o-Xylene	90.8
p/m-Xylene	299

	SG-9
	4.5' bgs
1,3-Butadiene	34.3
Benzene	31.9
Heptane	18.4
n-Hexane	48.3
Tetrachloroethene	16.9
Toluene	13
Xylene (Total)	11.8

	SG-6
	6.5' bgs
1,3-Butadiene	8.1
Benzene	3.32
Heptane	1.6
n-Hexane	2.68
Tetrachloroethene	11.6
Toluene	3.99
Xylene (Total)	4.09

	SG-5
	6.5' bgs
1,3-Butadiene	14.7
Benzene	6.66
Heptane	5.49
n-Hexane	12.8
Tetrachloroethene	18.2
Toluene	6.87
Xylene (Total)	7.38

	SG-10
	4.5' bgs
1,3-Butadiene	4.31
Benzene	1.96
Chloroform	29
Heptane	1.43
n-Hexane	1.68
Tetrachloroethene	16.1
Toluene	4.83
Xylene (Total)	3.74

	SG-3
	5.5' bgs
1,3-Butadiene	3.7
Benzene	19.3
Heptane	1.66
n-Hexane	1.32
Tetrachloroethene	14.8
Toluene	36
Xylene (Total)	17.1

	SG-14 (OER)
	5.5' bgs
1,2,4-Trimethylbenzene	19.1
1,3-Butadiene	7.39
2,2,4-Trimethylpentane	5
2-Butanone	985
2-Hexanone	129
Acetone	93
Benzene	4.29
Carbon Disulfide	3.43
Dichlorodifluoromethane	22.1
Ethanol	232
Heptane	7.38
n-Hexane	11.8
Tetrachloroethene	34.3
Toluene	7.88
o-Xylene	8.25
p/m-Xylene	13.1

	SG-4
	4.5' bgs
Heptane	8730
n-Hexane	13400

	SG-12 (OER)
	5.5' bgs
1,2,4-Trimethylbenzene	14.6
1,3-Butadiene	9.03
2,2,4-Trimethylpentane	8.64
2-Butanone	826
2-Hexanone	20.2
Acetone	146
Benzene	4.7
Carbon Disulfide	7.19
Ethylbenzene	6.04
Heptane	10.7
n-Hexane	22
Tetrachloroethene	15.1
Toluene	13.7
o-Xylene	10.2
p/m-Xylene	20

	SG-4
	4.5' bgs
1,3-Butadiene	8.97
Benzene	9.49
Heptane	1.76
n-Hexane	2.82
Tetrachloroethene	19.8
Toluene	12.8
Xylene (Total)	10.6

	SG-13 (OER)
	5.5' bgs
1,2,4-Trimethylbenzene	16
1,3-Butadiene	9.1
2,2,4-Trimethylpentane	8.17
2-Butanone	885
2-Hexanone	150
Acetone	78.2
Benzene	4.26
Ethanol	226
Heptane	7.87
Isopropanol	6.24
n-Hexane	22.6
Tetrachloroethene	9.49
Toluene	8.14
o-Xylene	7.95
p/m-Xylene	15.5

	SG-11 (OER)
	5.5' bgs
1,2,4-Trimethylbenzene	14.3
1,3-Butadiene	8.66
2-Hexanone	118
Acetone	79.1
Carbon Disulfide	8.6
Chloroform	11.5
Ethanol	134
Ethylbenzene	6.52
n-Hexane	3.84
Tetrachloroethene	36.1
Toluene	64.3
Trichloroethene	19.5
o-Xylene	7.73
p/m-Xylene	5.7

	SG-10 (OER)
	5.5' bgs
1,2,4-Trimethylbenzene	80.1
1,3,5-Trimethylbenzene	28.9
1,3-Butadiene	6.44
2,2,4-Trimethylpentane	9.2
2-Butanone	10.9
2-Hexanone	3.47
4-Ethyltoluene	11
4-Methyl-2-pentanone	4.18
Acetone	58.9
Benzene	41.2
Carbon Disulfide	4.95
Cyclohexane	0.836
Dichlorodifluoromethane	4.1
Ethanol	62.9
Ethylbenzene	18.2
Heptane	4.07
Isopropanol	2.68
n-Hexane	3.01
Styrene	3.89
Tertiary butyl Alcohol	5.7
Tetrachloroethene	3.47
Toluene	43
Trichloroethene	1.27
Trichlorofluoromethane	2.03
o-Xylene	48.1
p/m-Xylene	86.1

	SG-17 (OER)
	5.5' bgs
1,2,4-Trimethylbenzene	89
1,3,5-Trimethylbenzene	15.5
1,3-Butadiene	0.837
2,2,4-Trimethylpentane	16.8
2-Butanone	9.26
2-Hexanone	2.65
4-Ethyltoluene	8.36
4-Methyl-2-pentanone	3.39
Acetone	49.4
Benzene	19.7
Carbon Disulfide	7.35
Chloroform	7.57
Cyclohexane	1.14
Dichlorodifluoromethane	2.23
Ethanol	42
Ethylbenzene	12.5
Heptane	3.04
Isopropanol	2.03
Methylene Chloride	1.83
n-Hexane	3.03
Tertiary butyl Alcohol	4.94
Tetrachloroethene	3.32
Toluene	18.9
Trichlorofluoromethane	1.71
m-Xylene	38.9
p/m-Xylene	63.4

	SG-15 (OER)
	5.5' bgs
1,2,4-Trimethylbenzene	14.9
1,3-Butadiene	33.2
2-Butanone	793
2-Hexanone	199
Acetone	252
Benzene	11.2
Carbon Disulfide	19.2
Chloroform	5.57
Ethanol	91.6
Ethylbenzene	4.86
Heptane	13.9
Isopropanol	8.16
n-Hexane	24.7
Tetrachloroethene	36.7
Toluene	13.2
o-Xylene	8.25
p/m-Xylene	15.6

STANDARDS TABLE

	NY-SCC-A	NY-SCC-B	NY-SCC-C
Vinyl Chloride			6
1,1-Dichloroethene	6		
Methylene Chloride		100	
cis-1,2-Dichloroethene	6		
1,1,1-Trichloroethane		100	
Carbon tetrachloride	6		
Trichloroethene	6		
Tetrachloroethene		100	

LEGEND:

- SG-4 ▲ - SOIL VAPOR SAMPLING NUMBER & APPROX. LOCATION (COMPLETED SEPTEMBER 2019)
- SG-13 △ - SOIL VAPOR SAMPLING NUMBER & APPROX. LOCATION (COMPLETED OCTOBER 2020)
- SG-11 ▲ - SOIL VAPOR SAMPLING NUMBER & APPROX. LOCATION (COMPLETED SEPTEMBER 2020)
- SG-16 ■ - SOIL VAPOR SAMPLING NUMBER & APPROX. LOCATION (COMPLETED DECEMBER 2020)
- 115 - CONCENTRATION EXCEEDS STANDARDS

NOTES:

J: ESTIMATED CONCENTRATION
ALL UNITS IN ug/m3

NY-SSC-A: NEW YORK DOH MATRIX A SUB-SLAB VAPOR CONCENTRATIONS CRITERIA PER GUIDANCE FOR EVALUATING SOIL VAPOR INTRUSION, OCTOBER 2006, AND UPDATED MAY 2017.

NY-SSC-B: NEW YORK DOH MATRIX B SUB-SLAB VAPOR CONCENTRATIONS CRITERIA PER GUIDANCE FOR EVALUATING SOIL VAPOR INTRUSION, OCTOBER 2006, AND UPDATED MAY 2017.

NY-SSC-C: NEW YORK DOH MATRIX C SUB-SLAB VAPOR CONCENTRATIONS CRITERIA PER GUIDANCE FOR EVALUATING SOIL VAPOR INTRUSION, OCTOBER 2006, AND UPDATED MAY 2017.

Scale: 1"= 20'
0 10 20 40 60 80

REFERENCE:

EXISTING CONDITIONS AND SURVEY INFORMATION TAKEN FROM "ALTA/NSPS TITLE AND ARCHITECTURAL SURVEY" PREPARED BY WOHL & O'MARA CIVIL ENGINEERS AND LAND SURVEYORS, DATED OCTOBER 15, 2019.

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chng by: SBS
chk by: SSG
scale: AS NOTED
date: 01/14/2021

no.	date	description	by

1515 SURF AVENUE
BROOKLYN, NEW YORK

SOIL VAPOR SAMPLE LOCATIONS

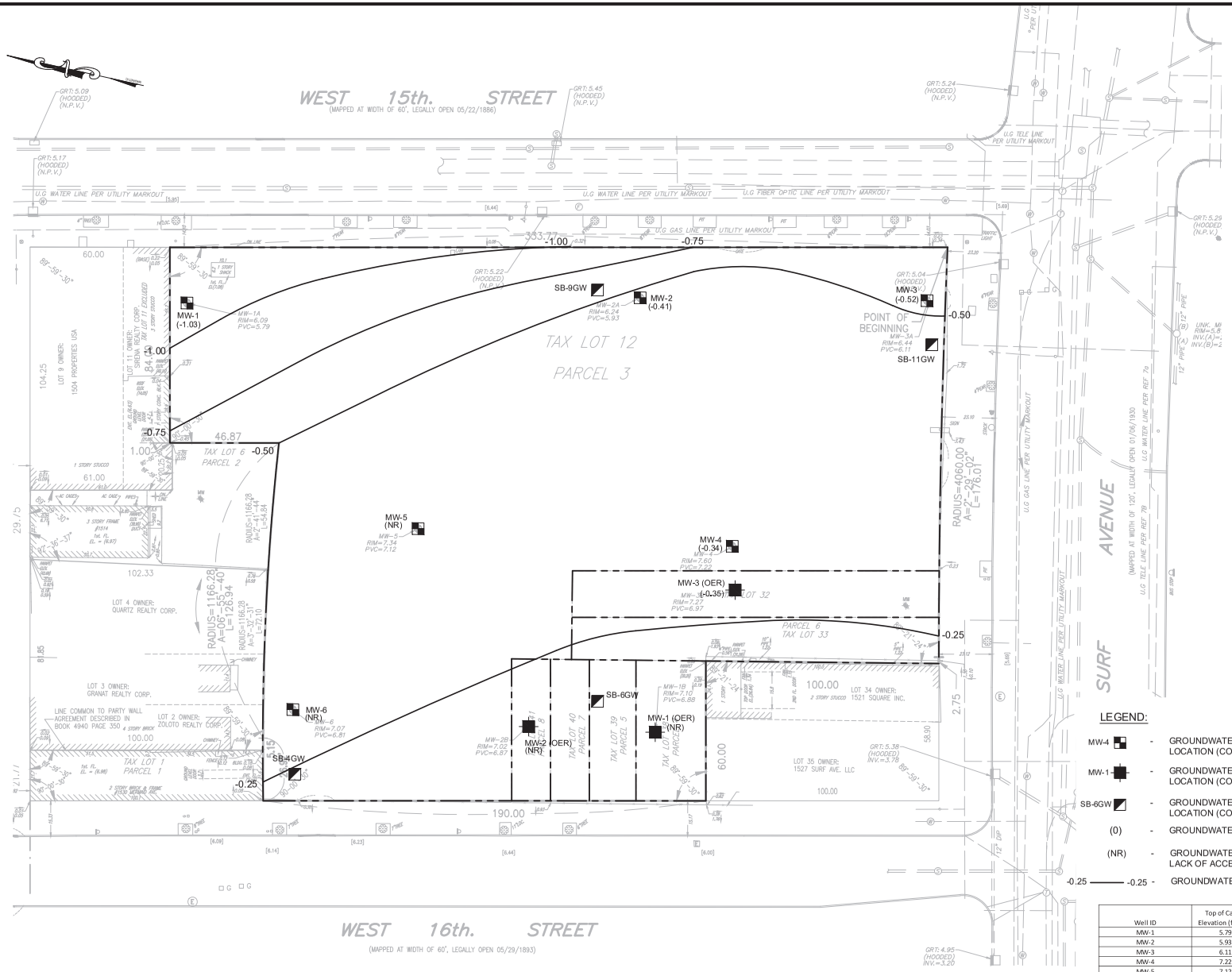
title

job no. 11404
drawing no.

FIG-4.3

1 of 1

M:\JOBS\11404\CAD\EXPLV404 – FIG-4.3 – SOIL VAPOR SAMPLING.DWG, 01/13/2021 08:51:03AM, dms, LAYOUT:FIG-4.3



LEGEND:

MW-4	-	GROUNDWATER SAMPLING NUMBER & APPROX. LOCATION (COMPLETED OCTOBER 2020)
MW-1	-	GROUNDWATER SAMPLING NUMBER & APPROX. LOCATION (COMPLETED SEPTEMBER & DECEMBER 2020)
SB-6GW	-	GROUNDWATER SAMPLING NUMBER & APPROX. LOCATION (COMPLETED SEPTEMBER 2019)
(0)	-	GROUNDWATER ELEVATION (FT)
(NR)	-	GROUNDWATER DEPTH NOT RECORDED DUE TO LACK OF ACCESS TO WELL
-0.25 -0.25	-	GROUNDWATER CONTOUR

Well ID	Top of Casing Elevation (ft. msl)	Depth to Water (ft) From Top of Casing	GW Elevation (ft. msl)
MW-1	5.79	6.82	-1.03
MW-2	5.93	6.34	-0.41
MW-3	6.11	6.63	-0.52
MW-4	7.22	7.56	-0.34
MW-5	7.12	NR	NR
MW-6	6.81	NR	NR
MW-1(OER)/OER-MW-1	6.88	NR	NR
MW-2(OER)/OER-MW-2	6.87	NR	NR
MW-3(OER)/OER-MW-3	6.97	7.32	-0.35

Scale: 1"= 20'
0 10 20 40 60 80

REFERENCE:
EXISTING CONDITIONS AND SURVEY INFORMATION TAKEN FROM "ALTA/NSPS TITLE AND ARCHITECTURAL SURVEY" PREPARED BY WOHL & O'MARA CIVIL ENGINEERS AND LAND SURVEYORS, DATED OCTOBER 15, 2019.

NYS Education Law
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no	date	description	by

dwg by: sss
chk by: SSG
scale: AS NOTED
date: 02/17/2021

SESI CONSULTING ENGINEERS
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE., PINE BROOK, N.J. 07058 PH: 973-808-9080

1515 SURF AVENUE
BROOKLYN, NEW YORK

title: GROUNDWATER GRADIENT MAP

job no. 11404
drawing no.

FIG-4.4

APPENDIX B
TABLES

Table 1
Sampling Summary Table
1440-1460 39th Street, Brooklyn, New York

Soil Boring	Sample ID	Sample Date	Sample Type	Analysis	Sample Depth (ft-bgs)
SB-15 (OER)	SB-15(3-3.5) (OER)	09/23/2020	Soil - Grab	TCL+30/TAL	3-3.5
	SB-15(7.5-8) (OER)	09/23/2020	Soil - Grab	TCL+30/TAL	7.5-8
	SB-15(14-14.5) (OER)	09/23/2020	Soil - Grab	TCL+30/TAL	14-14.5
SB-15	SB-15(4.5-5)	10/27/2020	Soil - Grab	2,4-dinitrophenol, Pesticides, 1,4- Dioxane and PFAS	4.5-5
	SB-15(8-8.5)	10/27/2020	Soil - Grab	2,4-dinitrophenol, Pesticides, 1,4- Dioxane and PFAS	8-8.5
	SB-15(12.5-13)	10/27/2020	Soil - Grab	2,4-dinitrophenol, Pesticides, 1,4- Dioxane and PFAS	12.5-13
SB-16 (OER)	SB-16(2.5-3) (OER)	09/23/2020	Soil - Grab	TCL+30/TAL	2.5-3
	SB-16(8-8.5) (OER)	09/23/2020	Soil - Grab	TCL+30/TAL	8-8.5
	SB-16(12-12.5) (OER)	09/23/2020	Soil - Grab	TCL+30/TAL	12-12.5
SB-16	SB-16(4.5-5)	10/27/2020	Soil - Grab	VOCs, Lead, Pesticides, 1,4-Dioxane and PFAS	4.5-5
	SB-16(8-8.5)	10/27/2020	Soil - Grab	VOCs, Lead, Pesticides, 1,4-Dioxane and PFAS	8-8.5
	SB-16(12.5-13)	10/27/2020	Soil - Grab	VOCs, Lead, Pesticides, 1,4-Dioxane and PFAS	12.5-13
SB-17 (OER)	SB-17(4-4.5) (OER)	09/23/2020	Soil - Grab	TCL+30/TAL	4-4.5
	SB-17(9-9.5) (OER)	09/23/2020	Soil - Grab	TCL+30/TAL	9-9.5
	SB-17(10-10.5) (OER)	09/23/2020	Soil - Grab	TCL+30/TAL	10-10.5
SB-17	SB-17(4.5-5)	10/27/2020	Soil - Grab	VOCs, Lead, 1,4-Dioxane and PFAS	4.5-5
	SB-17(8-8.5)	10/27/2020	Soil - Grab	VOCs, Lead, 1,4-Dioxane and PFAS	8-8.5
	SB-17(12.5-13)	10/27/2020	Soil - Grab	VOCs, Lead, 1,4-Dioxane and PFAS	12.5-13
SB-18 (OER)	SB-18(3.5-4) (OER)	09/23/2020	Soil - Grab	TCL+30/TAL	3.5-4
	SB-18(7-7.5) (OER)	09/23/2020	Soil - Grab	TCL+30/TAL	7-7.5
	SB-18(13-13.5) (OER)	09/23/2020	Soil - Grab	TCL+30/TAL	13-13.5
SB-18	SB-18(4.5-5)	10/27/2020	Soil - Grab	VOCs, SVOCs, Lead, 1,4-Dioxane and PFAS	4.5-5
	SB-18(8-8.5)	10/27/2020	Soil - Grab	VOCs, SVOCs, Lead, 1,4-Dioxane and PFAS	8-8.5
	Dup-2	10/27/2021	Soil Duplicate SB-18(8-8.5)	VOCs, SVOCs, Lead, 1,4-Dioxane and PFAS	8-8.5
	SB-18(12.5-13)	10/27/2020	Soil - Grab	VOCs, SVOCs, Lead, 1,4-Dioxane and PFAS	12.5-13
SB-19 (OER)	SB-19(2.5-3) (OER)	09/23/2020	Soil - Grab	TCL+30/TAL	2.5-3
	SB-19(7.5-8) (OER)	09/23/2020	Soil - Grab	TCL+30/TAL	7.5-8
	SB-19(10-10.5) (OER)	09/23/2020	Soil - Grab	TCL+30/TAL	10-10.5
SB-19	SB-19(4.5-5)	10/27/2020	Soil - Grab	VOCs, SVOCs, Lead, 1,4-Dioxane and PFAS	4.5-5
	SB-19(8-8.5)	10/27/2020	Soil - Grab	VOCs, SVOCs, Lead, 1,4-Dioxane and PFAS	8-8.5
	SB-19(12.5-13)	10/27/2020	Soil - Grab	VOCs, SVOCs, Lead, 1,4-Dioxane and PFAS	12.5-13
SB-20 (OER)	SB-20(4.5-5) (OER)	09/23/2020	Soil - Grab	TCL+30/TAL	4.5-5
	SB-20(6.5-7) (OER)	09/23/2020	Soil - Grab	TCL+30/TAL	6.5-7
	SB-20(11-11.5) (OER)	09/23/2020	Soil - Grab	TCL+30/TAL	11-11.5
SB-20	SB-20(4.5-5)	10/27/2020	Soil - Grab	VOCs, Lead, 1,4-Dioxane and PFAS	4.5-5
	SB-20(8-8.5)	10/27/2020	Soil - Grab	VOCs, Lead, 1,4-Dioxane and PFAS	8-8.5
	SB-20(12.5-13)	10/27/2020	Soil - Grab	VOCs, Lead, 1,4-Dioxane and PFAS	12.5-13
SB-21 (OER)	SB-21(3-3.5) (OER)	09/23/2020	Soil - Grab	TCL+30/TAL	3-3.5
	SB-21(9-9.5) (OER)	09/23/2020	Soil - Grab	TCL+30/TAL	9-9.5
	SB-21(12-12.5) (OER)	09/23/2020	Soil - Grab	TCL+30/TAL	12-12.5
SB-21	SB-21(4.5-5)	10/27/2020	Soil - Grab	VOCs, Lead, 1,4-Dioxane and PFAS	4.5-5
	SB-21(8-8.5)	10/27/2020	Soil - Grab	VOCs, Lead, 1,4-Dioxane and PFAS	8-8.5
	SB-21(12.5-13)	10/27/2020	Soil - Grab	VOCs, Lead, 1,4-Dioxane and PFAS	12.5-13
	Dup-1	10/27/2021	Soil Duplicate SB-21(12.5-13)	VOCs, Lead, 1,4-Dioxane and PFAS	12.5-13
SB-22 (OER)	SB-22(4.5-5) (OER)	09/23/2020	Soil - Grab	TCL+30/TAL	4.5-5
	SB-22(7.5-8) (OER)	09/23/2020	Soil - Grab	TCL+30/TAL	7.5-8
	SB-22(11-11.5) (OER)	09/23/2020	Soil - Grab	TCL+30/TAL	11-11.5
SB-23 (OER)	SB-23(4.5-5) (OER)	09/24/2020	Soil - Grab	TCL+30/TAL	4.5-5
	SB-23(7.5-8) (OER)	09/24/2020	Soil - Grab	TCL+30/TAL	7.5-8
	SB-23(11.5-12) (OER)	09/24/2020	Soil - Grab	TCL+30/TAL	11.5-12
SB-24 (OER)	SB-24(3-3.5) (OER)	09/24/2020	Soil - Grab	TCL+30/TAL	3-3.5
	SB-24(6-6.5) (OER)	09/24/2020	Soil - Grab	TCL+30/TAL	6-6.5
	SB-24(14-14.5) (OER)	09/24/2020	Soil - Grab	TCL+30/TAL	14-14.5
SB-25 (OER)	SB-25(3-3.5) (OER)	09/24/2020	Soil - Grab	TCL+30/TAL	3-3.5
	SB-25(6.5-7) (OER)	09/24/2020	Soil - Grab	TCL+30/TAL	6.5-7

Table 1
Sampling Summary Table
1440-1460 39th Street, Brooklyn, New York

Soil Boring	Sample ID	Sample Date	Sample Type	Analysis	Sample Depth (ft-bgs)
	SB-25(13-13.5) (OER)	09/24/2020	Soil - Grab	TCL+30/TAL	13-13.5
SB-26	SB-26(2-3)	12/04/2020	Soil - Grab	SVOCs, Pesticides, Metals	2-3
	SB-26(5-6)	12/04/2020	Soil - Grab	SVOCs, Pesticides, Metals	5-6
	SB-26(12-13)	12/04/2020	Soil - Grab	SVOCs, Pesticides, Metals	12-13
SB-27	SB-27(3-4)	12/04/2020	Soil - Grab	SVOCs, Pesticides, Metals	3-4
	SB-27(7-8)	12/04/2020	Soil - Grab	SVOCs, Pesticides, Metals	7-8
	Dup-12/4	12/04/2020	Soil Duplicate SB-27(7-8)	SVOCs, Pesticides, Metals	7-8
	SB-27(13-14)	12/04/2020	Soil - Grab	SVOCs, Pesticides, Metals	13-14
SB-28	SB-28(2-3)	12/04/2020	Soil - Grab	SVOCs, Pesticides, Metals	2-3
	SB-28(6-7)	12/04/2020	Soil - Grab	SVOCs, Pesticides, Metals	6-7
	SB-28(12-13)	12/04/2020	Soil - Grab	SVOCs, Pesticides, Metals	12-13
SB-29	SB-29(3-4)	12/04/2020	Soil - Grab	SVOCs, Pesticides, Metals	3-4
	SB-29(6-7)	12/04/2020	Soil - Grab	SVOCs, Pesticides, Metals	6-7
	SB-29(12-13)	12/04/2020	Soil - Grab	SVOCs, Pesticides, Metals	12-13
SB-30	SB-30(3-4)	12/04/2020	Soil - Grab	SVOCs, Pesticides, Metals	3-4
	SB-30(7-8)	12/04/2020	Soil - Grab	SVOCs, Pesticides, Metals	7-8
	SB-30(13-14)	12/04/2020	Soil - Grab	SVOCs, Pesticides, Metals	13-14
SB-31	SB-31(4-5)	12/04/2020	Soil - Grab	SVOCs, Pesticides, Metals	4-5
	SB-31(8-9)	12/04/2020	Soil - Grab	SVOCs, Pesticides, Metals	8-9
	SB-31(11-12)	12/04/2020	Soil - Grab	SVOCs, Pesticides, Metals	11-12
MW-1 (OER)*	MW-1 (OER)	9/24/2020	Groundwater - Grab	TCL+30/TAL	3-13
MW-2 (OER)*	MW-2 (OER)	9/24/2020	Groundwater - Grab	TCL+30/TAL	3-13
MW-3 (OER)*	MW-3 (OER)	9/24/2020	Groundwater - Grab	TCL+30/TAL	5-15
MW-1	MW-1	10/29/2020	Groundwater - Grab	ne, PFAS, VOCs, SVOCs, TAL Metals, Aldrin &	4.3-14.3
Dup	Dup	10/29/2020	GW Duplicate MW-1	ne, PFAS, VOCs, SVOCs, TAL Metals, Aldrin &	4.3-14.3
MW-2	MW-2	10/29/2020	Groundwater - Grab	ne, PFAS, VOCs, SVOCs, TAL Metals, Aldrin &	3.9-13.9
MW-3	MW-3	10/29/2020	Groundwater - Grab	ne, PFAS, VOCs, SVOCs, TAL Metals, Aldrin &	4.5-14.5
MW-4	MW-4	10/28/2020	Groundwater - Grab	ne, PFAS, VOCs, SVOCs, TAL Metals, Aldrin &	4.5-14.5
MW-5	MW-5	10/28/2020	Groundwater - Grab	ne, PFAS, VOCs, SVOCs, TAL Metals, Aldrin &	4.8-14.8
MW-6	MW-6	10/29/2020	Groundwater - Grab	ne, PFAS, VOCs, SVOCs, TAL Metals, Aldrin &	4.65-14.65
OER-MW-1*	OER-MW-1	12/04/2020	Groundwater - Grab	TCL+30/TAL, PFAS, 1.4 Dioxane	3-13
OER-MW-2*	OER-MW-2	12/04/2020	Groundwater - Grab	TCL+30/TAL, PFAS, 1.4 Dioxane	3-13
OER-MW-3*	OER-MW-3	12/04/2020	Groundwater - Grab	TCL+30/TAL, PFAS, 1.4 Dioxane	5-15
GW-Dup-12/4	GW-Dup-12/4	12/04/2020	GW Duplicate MW-3	TCL+30/TAL, PFAS, 1.4 Dioxane	5-15
SG-11	SG-11	10/27/2020	Soil Vapor - Grab	TO-15	4-5
SG-11 (OER)	SG-11 (OER)	9/24/2020	Soil Vapor - Grab	TO-15	4-5
SG-12	SG-12	10/27/2020	Soil Vapor - Grab	TO-15	4-5
SG-12 (OER)	SG-12 (OER)	9/24/2020	Soil Vapor - Grab	TO-15	4-5
SG-13	SG-13	10/27/2020	Soil Vapor - Grab	TO-15	4-5
SG-13 (OER)	SG-13 (OER)	9/24/2020	Soil Vapor - Grab	TO-15	4-5
SG-14 (OER)	SG-14 (OER)	9/24/2020	Soil Vapor - Grab	TO-15	4-5
SG-15 (OER)	SG-15 (OER)	9/24/2020	Soil Vapor - Grab	TO-15	4-5
SG-16	SG-16	12/4/2020	Soil Vapor - Grab	TO-15	4-5
SG-17	SG-17	12/4/2020	Soil Vapor - Grab	TO-15	4-5

Notes:
SG - Soil Vapor Sample
GW - Groundwater Sample
SB - Soil Sample
ft-bgs - Feet Below Ground Surface
NA - Not Applicable
Asterik* labeled monitoring wells are the same monitoring wells with different label names per sampling event

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SB-15 (3-3.5)(OER)		SB-15 (3-3.5)(OER)		SB-15 (7.5-8.0)(OER)		SB-15 (14-14.5)(OER)		SB-16 (2.5-3.0)(OER)		SB-16 (8-8.5)(OER)		SB-16 (12-12.5)(OER)		SB-17 (4-4.5)(OER)	
				SAMPLING DATE	9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020	
				LAB SAMPLE ID	L2040027-01		L2040027-01 R1		L2040027-02		L2040027-03		L2040027-04		L2040027-05		L2040027-06		L2040027-07	
				SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	PGW	RRSCO	USCO	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Volatile Organics by EPA 5035																				
1,1,1,2-Tetrachloroethane	NC	NC	NC	mg/kg	0.00054	U	0.00065	U	0.00076	U	0.00056	U	0.00053	U	0.00059	U	0.00058	U	0.00061	U
1,1,1-Trichloroethane	0.68	100	0.68	mg/kg	0.00054	U	0.00065	U	0.00076	U	0.00056	U	0.00053	U	0.00059	U	0.00058	U	0.00061	U
1,1,2,2-Tetrachloroethane	NC	NC	NC	mg/kg	0.00054	U	0.00065	U	0.00076	U	0.00056	U	0.00053	U	0.00059	U	0.00058	U	0.00061	U
1,1,2-Trichloroethane	NC	NC	NC	mg/kg	0.0011	U	0.0013	U	0.0015	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U
1,1-Dichloroethane	0.27	26	0.27	mg/kg	0.0011	U	0.0013	U	0.0015	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U
1,1-Dichloroethene	0.33	100	0.33	mg/kg	0.0011	U	0.0013	U	0.0015	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U
1,1-Dichloropropene	NC	NC	NC	mg/kg	0.00054	U	0.00065	U	0.00076	U	0.00056	U	0.00053	U	0.00059	U	0.00058	U	0.00061	U
1,2,3-Trichlorobenzene	NC	NC	NC	mg/kg	0.0022	U	0.0026	U	0.0031	U	0.0022	U	0.0021	U	0.0024	U	0.0023	U	0.0024	U
1,2,3-Trichloropropane	NC	NC	NC	mg/kg	0.0022	U	0.0026	U	0.0031	U	0.0022	U	0.0021	U	0.0024	U	0.0023	U	0.0024	U
1,2,4,5-Tetramethylbenzene	NC	NC	NC	mg/kg	0.00074	J	0.00064	J	0.0031	U	0.0022	U	0.0021	U	0.0024	U	0.0023	U	0.0024	U
1,2,4-Trichlorobenzene	NC	NC	NC	mg/kg	0.0022	U	0.0026	U	0.0031	U	0.0022	U	0.0021	U	0.0024	U	0.0023	U	0.0024	U
1,2,4-Trimethylbenzene	3.6	52	3.6	mg/kg	0.0021	J	0.0016	J	0.0031	U	0.0022	U	0.0021	U	0.0024	U	0.0023	U	0.0024	U
1,2-Dibromo-3-chloropropane	NC	NC	NC	mg/kg	0.0033	U	0.0039	U	0.0046	U	0.0034	U	0.0032	U	0.0036	U	0.0034	U	0.0037	U
1,2-Dibromoethane	NC	NC	NC	mg/kg	0.0011	U	0.0013	U	0.0015	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U
1,2-Dichlorobenzene	1.1	100	1.1	mg/kg	0.0022	U	0.0026	U	0.0031	U	0.0022	U	0.0021	U	0.0024	U	0.0023	U	0.0024	U
1,2-Dichloroethane	0.02	3.1	0.02	mg/kg	0.0011	U	0.0013	U	0.0015	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U
1,2-Dichloroethene, Total	NC	NC	NC	mg/kg	0.0011	U	0.0013	U	0.0015	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U
1,2-Dichloropropane	NC	NC	NC	mg/kg	0.0011	U	0.0013	U	0.0015	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U
1,3,5-Trimethylbenzene	8.4	52	8.4	mg/kg	0.0011	J	0.0009	J	0.0031	U	0.0022	U	0.0021	U	0.0024	U	0.0023	U	0.0024	U
1,3-Dichlorobenzene	2.4	49	2.4	mg/kg	0.0022	U	0.0026	U	0.0031	U	0.0022	U	0.0021	U	0.0024	U	0.0023	U	0.0024	U
1,3-Dichloropropane	NC	NC	NC	mg/kg	0.0022	U	0.0026	U	0.0031	U	0.0022	U	0.0021	U	0.0024	U	0.0023	U	0.0024	U
1,3-Dichloropropene, Total	NC	NC	NC	mg/kg	0.00054	U	0.00065	U	0.00076	U	0.00056	U	0.00053	U	0.00059	U	0.00058	U	0.00061	U
1,4-Dichlorobenzene	1.8	13	1.8	mg/kg	0.0022	U	0.0026	U	0.0031	U	0.0022	U	0.0021	U	0.0024	U	0.0023	U	0.0024	U
1,4-Dioxane	0.1	13	0.1	mg/kg	0.087	U	0.1	U	0.12	U	0.09	U	0.085	U	0.095	U	0.092	U	0.098	U
2,2-Dichloropropane	NC	NC	NC	mg/kg	0.0022	U	0.0026	U	0.0031	U	0.0022	U	0.0021	U	0.0024	U	0.0023	U	0.0024	U
2-Butanone	0.12	100	0.12	mg/kg	0.019		0.022		0.015	U	0.0025	J	0.011	U	0.012	U	0.012	U	0.012	U
2-Hexanone	NC	NC	NC	mg/kg	0.011	U	0.013	U	0.015	U	0.011	U	0.011	U	0.012	U	0.012	U	0.012	U
4-Methyl-2-pentanone	NC	NC	NC	mg/kg	0.011	U	0.013	U	0.015	U	0.011	U	0.011	U	0.012	U	0.012	U	0.012	U
Acetone	0.05	100	0.05	mg/kg	0.076		0.091		0.0074	J	0.014		0.0061	J	0.012	U	0.0094	J	0.0092	J
Acrylonitrile	NC	NC	NC	mg/kg	0.0044	U	0.0052	U	0.0061	U	0.0045	U	0.0042	U	0.0048	U	0.0046	U	0.0049	U
Benzene	0.06	4.8	0.06	mg/kg	0.00019	J	0.00065	U	0.00076	U	0.00056	U	0.00053	U	0.00059	U	0.00058	U	0.00061	U
Bromobenzene	NC	NC	NC	mg/kg	0.0022	U	0.0026	U	0.0031	U	0.0022	U	0.0021	U	0.0024	U	0.0023	U	0.0024	U
Bromochloromethane	NC	NC	NC	mg/kg	0.0022	U	0.0026	U	0.0031	U	0.0022	U	0.0021	U	0.0024	U	0.0023	U	0.0024	U
Bromodichloromethane	NC	NC	NC	mg/kg	0.00054	U	0.00065	U	0.00076	U	0.00056	U	0.00053	U	0.00059	U	0.00058	U	0.00061	U
Bromoform	NC	NC	NC	mg/kg	0.0044	U	0.0052	U	0.0061	U	0.0045	U	0.0042	U	0.0048	U	0.0046	U	0.0049	U
Bromomethane	NC	NC	NC	mg/kg	0.0022	U	0.0026	U	0.0031	U	0.0022	U	0.0021	U	0.0024	U	0.0023	U	0.0024	U
Carbon disulfide	NC	NC	NC	mg/kg	0.011	U	0.013	U	0.015	U	0.0089	J	0.011	U	0.012	U	0.012		0.012	U
Carbon tetrachloride	0.76	2.4	0.76	mg/kg	0.0011	U	0.0013	U	0.0015	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U
Chlorobenzene	1.1	100	1.1	mg/kg	0.00054	U	0.00065	U	0.00076	U	0.00056	U	0.00053	U	0.00059	U	0.00058	U	0.00061	U
Chloroethane	NC	NC	NC	mg/kg	0.0022	U	0.0026	U	0.0031	U	0.0022	U	0.0021	U	0.0024	U	0.0023	U	0.0024	U
Chloroform	0.37	49	0.37	mg/kg	0.0016	U	0.0019	U	0.0023	U	0.0017	U	0.0016	U	0.0018	U	0.0017	U	0.0018	U
Chloromethane	NC	NC	NC	mg/kg	0.0044	U	0.0052	U	0.0061	U	0.0045	U	0.0042	U	0.0048	U	0.0046	U	0.0049	U
cis-1,2-Dichloroethene	0.25	100	0.25	mg/kg	0.0011	U	0.0013	U	0.0015	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U
cis-1,3-Dichloropropene	NC	NC	NC	mg/kg	0.00054	U	0.00065	U	0.00076	U	0.00056	U	0.00053	U	0.00059	U	0.00058	U	0.00061	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

			LOCATION		SB-15 (3-3.5)(OER)		SB-15 (3-3.5)(OER)		SB-15 (7.5-8.0)(OER)		SB-15 (14-14.5)(OER)		SB-16 (2.5-3.0)(OER)		SB-16 (8-8.5)(OER)		SB-16 (12-12.5)(OER)		SB-17 (4-4.5)(OER)	
			SAMPLING DATE		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020	
			LAB SAMPLE ID		L2040027-01		L2040027-01 R1		L2040027-02		L2040027-03		L2040027-04		L2040027-05		L2040027-06		L2040027-07	
			SAMPLE TYPE		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	PGW	RRSCO	USCO	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Volatile Organics by EPA 5035																				
Dibromochloromethane	NC	NC	NC	mg/kg	0.0011	U	0.0013	U	0.0015	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U
Dibromomethane	NC	NC	NC	mg/kg	0.0022	U	0.0026	U	0.0031	U	0.0022	U	0.0021	U	0.0024	U	0.0023	U	0.0024	U
Dichlorodifluoromethane	NC	NC	NC	mg/kg	0.011	U	0.013	U	0.015	U	0.011	U	0.011	U	0.012	U	0.012	U	0.012	U
Ethyl ether	NC	NC	NC	mg/kg	0.0022	U	0.0026	U	0.0031	U	0.0022	U	0.0021	U	0.0024	U	0.0023	U	0.0024	U
Ethylbenzene	1	41	1	mg/kg	0.013		0.0097		0.0015	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U
Hexachlorobutadiene	NC	NC	NC	mg/kg	0.0044	U	0.0052	U	0.0061	U	0.0045	U	0.0042	U	0.0048	U	0.0046	U	0.0049	U
Isopropylbenzene	NC	NC	NC	mg/kg	0.00065	J	0.00041	J	0.0015	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U
Methyl tert butyl ether	0.93	100	0.93	mg/kg	0.0022	U	0.0026	U	0.0031	U	0.0022	U	0.0021	U	0.0024	U	0.0023	U	0.0024	U
Methylene chloride	0.05	100	0.05	mg/kg	0.0054	U	0.0065	U	0.0076	U	0.0056	U	0.0053	U	0.0059	U	0.0058	U	0.0061	U
n-Butylbenzene	12	100	12	mg/kg	0.00023	J	0.0013	U	0.0015	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U
n-Propylbenzene	3.9	100	3.9	mg/kg	0.00026	J	0.0013	U	0.0015	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U
Naphthalene	12	100	12	mg/kg	0.07		0.039		0.0011	J	0.0045	U	0.0062		0.0048	U	0.0046	U	0.0049	U
o-Chlorotoluene	NC	NC	NC	mg/kg	0.0022	U	0.0026	U	0.0031	U	0.0022	U	0.0021	U	0.0024	U	0.0023	U	0.0024	U
o-Xylene	NC	NC	NC	mg/kg	0.03		0.018		0.0015	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U
p-Chlorotoluene	NC	NC	NC	mg/kg	0.0022	U	0.0026	U	0.0031	U	0.0022	U	0.0021	U	0.0024	U	0.0023	U	0.0024	U
p-Diethylbenzene	NC	NC	NC	mg/kg	0.0022	U	0.0026	U	0.0031	U	0.0022	U	0.0021	U	0.0024	U	0.0023	U	0.0024	U
p-Ethyltoluene	NC	NC	NC	mg/kg	0.0022	U	0.0026	U	0.0031	U	0.0022	U	0.0021	U	0.0024	U	0.0023	U	0.0024	U
p-Isopropyltoluene	NC	NC	NC	mg/kg	0.00084	J	0.00083	J	0.0015	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U
p/m-Xylene	NC	NC	NC	mg/kg	0.075		0.051		0.0031	U	0.0022	U	0.0021	U	0.0024	U	0.0023	U	0.0024	U
sec-Butylbenzene	11	100	11	mg/kg	0.00016	J	0.0013	U	0.0015	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U
Styrene	NC	NC	NC	mg/kg	0.0011	U	0.0013	U	0.0015	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U
tert-Butylbenzene	5.9	100	5.9	mg/kg	0.0022	U	0.0026	U	0.0031	U	0.0022	U	0.0021	U	0.0024	U	0.0023	U	0.0024	U
Tetrachloroethene	1.3	19	1.3	mg/kg	0.00054	U	0.00065	U	0.00076	U	0.00056	U	0.00053	U	0.00059	U	0.00058	U	0.00061	U
Toluene	0.7	100	0.7	mg/kg	0.0011	U	0.0013	U	0.0015	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U
trans-1,2-Dichloroethene	0.19	100	0.19	mg/kg	0.0016	U	0.0019	U	0.0023	U	0.0017	U	0.0016	U	0.0018	U	0.0017	U	0.0018	U
trans-1,3-Dichloropropene	NC	NC	NC	mg/kg	0.0011	U	0.0013	U	0.0015	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U
trans-1,4-Dichloro-2-butene	NC	NC	NC	mg/kg	0.0054	U	0.0065	U	0.0076	U	0.0056	U	0.0053	U	0.0059	U	0.0058	U	0.0061	U
Trichloroethene	0.47	21	0.47	mg/kg	0.00054	U	0.00065	U	0.00076	U	0.00056	U	0.00053	U	0.00059	U	0.00058	U	0.00061	U
Trichlorofluoromethane	NC	NC	NC	mg/kg	0.0044	U	0.0052	U	0.0061	U	0.0045	U	0.0042	U	0.0048	U	0.0046	U	0.0049	U
Vinyl acetate	NC	NC	NC	mg/kg	0.011	U	0.013	U	0.015	U	0.011	U	0.011	U	0.012	U	0.012	U	0.012	U
Vinyl chloride	0.02	0.9	0.02	mg/kg	0.0011	U	0.0013	U	0.0015	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U
Xylenes, Total	1.6	100	0.26	mg/kg	0.11		0.069		0.0015	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SB-17 (9-9.5)(OER)		SB-17 (10-10.5)(OER)		SB-18 (3.5-4.0)(OER)		SB-18 (7-7.5)(OER)		SB-19 (2.5-3.0)(OER)		SB-19 (7.5-8.0)(OER)		SB-19 (10-10.5)(OER)		SB-20 (4.5-5.0)(OER)	
				SAMPLING DATE	9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020	
				LAB SAMPLE ID	L2040027-08		L2040027-09		L2040027-10		L2040027-11		L2040027-12		L2040027-13		L2040027-14		L2040027-15	
				SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	PGW	RRSCO	USCO	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Volatile Organics by EPA 5035																				
1,1,1,2-Tetrachloroethane	NC	NC	NC	mg/kg	0.00054	U	0.00053	U	0.00066	U	0.00067	U	0.00057	U	0.00067	U	0.00054	U	0.00066	U
1,1,1-Trichloroethane	0.68	100	0.68	mg/kg	0.00054	U	0.00053	U	0.00066	U	0.00067	U	0.00057	U	0.00067	U	0.00054	U	0.00066	U
1,1,2,2-Tetrachloroethane	NC	NC	NC	mg/kg	0.00054	U	0.00053	U	0.00066	U	0.00067	U	0.00057	U	0.00067	U	0.00054	U	0.00066	U
1,1,2-Trichloroethane	NC	NC	NC	mg/kg	0.0011	U	0.001	U	0.0013	U	0.0013	U	0.0011	U	0.0013	U	0.0011	U	0.0013	U
1,1-Dichloroethane	0.27	26	0.27	mg/kg	0.0011	U	0.001	U	0.0013	U	0.0013	U	0.0011	U	0.0013	U	0.0011	U	0.0013	U
1,1-Dichloroethene	0.33	100	0.33	mg/kg	0.0011	U	0.001	U	0.0013	U	0.0013	U	0.0011	U	0.0013	U	0.0011	U	0.0013	U
1,1-Dichloropropene	NC	NC	NC	mg/kg	0.00054	U	0.00053	U	0.00066	U	0.00067	U	0.00057	U	0.00067	U	0.00054	U	0.00066	U
1,2,3-Trichlorobenzene	NC	NC	NC	mg/kg	0.0022	U	0.0021	U	0.0026	U	0.0027	U	0.0023	U	0.0027	U	0.0022	U	0.0026	U
1,2,3-Trichloropropane	NC	NC	NC	mg/kg	0.0022	U	0.0021	U	0.0026	U	0.0027	U	0.0023	U	0.0027	U	0.0022	U	0.0026	U
1,2,4,5-Tetramethylbenzene	NC	NC	NC	mg/kg	0.0022	U	0.0021	U	0.0026	U	0.0027	U	0.0023	U	0.082		0.0093		0.0026	U
1,2,4-Trichlorobenzene	NC	NC	NC	mg/kg	0.0022	U	0.0021	U	0.0026	U	0.0027	U	0.0023	U	0.0027	U	0.0022	U	0.0026	U
1,2,4-Trimethylbenzene	3.6	52	3.6	mg/kg	0.0022	U	0.0021	U	0.0026	U	0.0027	U	0.0023	U	0.0042		0.00069	J	0.0026	U
1,2-Dibromo-3-chloropropane	NC	NC	NC	mg/kg	0.0032	U	0.0032	U	0.004	U	0.004	U	0.0034	U	0.004	U	0.0032	U	0.004	U
1,2-Dibromoethane	NC	NC	NC	mg/kg	0.0011	U	0.001	U	0.0013	U	0.0013	U	0.0011	U	0.0013	U	0.0011	U	0.0013	U
1,2-Dichlorobenzene	1.1	100	1.1	mg/kg	0.0022	U	0.0021	U	0.0026	U	0.0027	U	0.0023	U	0.0027	U	0.0022	U	0.0026	U
1,2-Dichloroethane	0.02	3.1	0.02	mg/kg	0.0011	U	0.001	U	0.0013	U	0.0013	U	0.0011	U	0.0013	U	0.0011	U	0.0013	U
1,2-Dichloroethene, Total	NC	NC	NC	mg/kg	0.0011	U	0.001	U	0.0013	U	0.0013	U	0.0011	U	0.0013	U	0.0011	U	0.0013	U
1,2-Dichloropropane	NC	NC	NC	mg/kg	0.0011	U	0.001	U	0.0013	U	0.0013	U	0.0011	U	0.0013	U	0.0011	U	0.0013	U
1,3,5-Trimethylbenzene	8.4	52	8.4	mg/kg	0.0022	U	0.0021	U	0.0026	U	0.0027	U	0.0023	U	0.0024	J	0.00023	J	0.0026	U
1,3-Dichlorobenzene	2.4	49	2.4	mg/kg	0.0022	U	0.0021	U	0.0026	U	0.0027	U	0.0023	U	0.0027	U	0.0022	U	0.0026	U
1,3-Dichloropropane	NC	NC	NC	mg/kg	0.0022	U	0.0021	U	0.0026	U	0.0027	U	0.0023	U	0.0027	U	0.0022	U	0.0026	U
1,3-Dichloropropene, Total	NC	NC	NC	mg/kg	0.00054	U	0.00053	U	0.00066	U	0.00067	U	0.00057	U	0.00067	U	0.00054	U	0.00066	U
1,4-Dichlorobenzene	1.8	13	1.8	mg/kg	0.0022	U	0.0021	U	0.0026	U	0.0027	U	0.0023	U	0.0027	U	0.0022	U	0.0026	U
1,4-Dioxane	0.1	13	0.1	mg/kg	0.086	U	0.085	U	0.1	U	0.11	U	0.092	U	0.11	U	0.086	U	0.11	U
2,2-Dichloropropane	NC	NC	NC	mg/kg	0.0022	U	0.0021	U	0.0026	U	0.0027	U	0.0023	U	0.0027	U	0.0022	U	0.0026	U
2-Butanone	0.12	100	0.12	mg/kg	0.011	U	0.01	U	0.013	U	0.013	U	0.0056	J	0.014		0.016		0.013	U
2-Hexanone	NC	NC	NC	mg/kg	0.011	U	0.01	U	0.013	U	0.013	U	0.011	U	0.013	U	0.011	U	0.013	U
4-Methyl-2-pentanone	NC	NC	NC	mg/kg	0.011	U	0.01	U	0.013	U	0.013	U	0.011	U	0.013	U	0.011	U	0.013	U
Acetone	0.05	100	0.05	mg/kg	0.0069	J	0.058		0.018		0.0082	J	0.055		0.061		0.04		0.013	U
Acrylonitrile	NC	NC	NC	mg/kg	0.0043	U	0.0042	U	0.0053	U	0.0053	U	0.0046	U	0.0054	U	0.0043	U	0.0053	U
Benzene	0.06	4.8	0.06	mg/kg	0.00054	U	0.00053	U	0.00066	U	0.00067	U	0.00057	U	0.00067	U	0.00054	U	0.00066	U
Bromobenzene	NC	NC	NC	mg/kg	0.0022	U	0.0021	U	0.0026	U	0.0027	U	0.0023	U	0.0027	U	0.0022	U	0.0026	U
Bromochloromethane	NC	NC	NC	mg/kg	0.0022	U	0.0021	U	0.0026	U	0.0027	U	0.0023	U	0.0027	U	0.0022	U	0.0026	U
Bromodichloromethane	NC	NC	NC	mg/kg	0.00054	U	0.00053	U	0.00066	U	0.00067	U	0.00057	U	0.00067	U	0.00054	U	0.00066	U
Bromoform	NC	NC	NC	mg/kg	0.0043	U	0.0042	U	0.0053	U	0.0053	U	0.0046	U	0.0054	U	0.0043	U	0.0053	U
Bromomethane	NC	NC	NC	mg/kg	0.0022	U	0.0021	U	0.0026	U	0.0027	U	0.0023	U	0.0027	U	0.0022	U	0.0026	U
Carbon disulfide	NC	NC	NC	mg/kg	0.011	U	0.01	U	0.013	U	0.013	U	0.011	U	0.0078	J	0.0098	J	0.013	U
Carbon tetrachloride	0.76	2.4	0.76	mg/kg	0.0011	U	0.001	U	0.0013	U	0.0013	U	0.0011	U	0.0013	U	0.0011	U	0.0013	U
Chlorobenzene	1.1	100	1.1	mg/kg	0.00054	U	0.00053	U	0.00066	U	0.00067	U	0.00057	U	0.00067	U	0.00054	U	0.00066	U
Chloroethane	NC	NC	NC	mg/kg	0.0022	U	0.0021	U	0.0026	U	0.0027	U	0.0023	U	0.0027	U	0.0022	U	0.0026	U
Chloroform	0.37	49	0.37	mg/kg	0.0016	U	0.0016	U	0.002	U	0.002	U	0.0017	U	0.002	U	0.0016	U	0.002	U
Chloromethane	NC	NC	NC	mg/kg	0.0043	U	0.0042	U	0.0053	U	0.0053	U	0.0046	U	0.0054	U	0.0043	U	0.0053	U
cis-1,2-Dichloroethene	0.25	100	0.25	mg/kg	0.0011	U	0.001	U	0.0013	U	0.0013	U	0.0011	U	0.0013	U	0.0011	U	0.0013	U
cis-1,3-Dichloropropene	NC	NC	NC	mg/kg	0.00054	U	0.00053	U	0.00066	U	0.00067	U	0.00057	U	0.00067	U	0.00054	U	0.00066	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SB-17 (9-9.5)(OER)		SB-17 (10-10.5)(OER)		SB-18 (3.5-4.0)(OER)		SB-18 (7-7.5)(OER)		SB-19 (2.5-3.0)(OER)		SB-19 (7.5-8.0)(OER)		SB-19 (10-10.5)(OER)		SB-20 (4.5-5.0)(OER)	
				SAMPLING DATE	9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020	
				LAB SAMPLE ID	L2040027-08		L2040027-09		L2040027-10		L2040027-11		L2040027-12		L2040027-13		L2040027-14		L2040027-15	
				SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	PGW	RRSCO	USCO	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Volatile Organics by EPA 5035																				
Dibromochloromethane	NC	NC	NC	mg/kg	0.0011	U	0.001	U	0.0013	U	0.0013	U	0.0011	U	0.0013	U	0.0011	U	0.0013	U
Dibromomethane	NC	NC	NC	mg/kg	0.0022	U	0.0021	U	0.0026	U	0.0027	U	0.0023	U	0.0027	U	0.0022	U	0.0026	U
Dichlorodifluoromethane	NC	NC	NC	mg/kg	0.011	U	0.01	U	0.013	U	0.013	U	0.011	U	0.013	U	0.011	U	0.013	U
Ethyl ether	NC	NC	NC	mg/kg	0.0022	U	0.0021	U	0.0026	U	0.0027	U	0.0023	U	0.0027	U	0.0022	U	0.0026	U
Ethylbenzene	1	41	1	mg/kg	0.0011	U	0.001		0.0013	U	0.0013	U	0.0011	U	0.0012	J	0.0011	U	0.0013	U
Hexachlorobutadiene	NC	NC	NC	mg/kg	0.0043	U	0.0042	U	0.0053	U	0.0053	U	0.0046	U	0.0054	U	0.0043	U	0.0053	U
Isopropylbenzene	NC	NC	NC	mg/kg	0.0011	U	0.001	U	0.0013	U	0.0013	U	0.0011	U	0.067		0.00038	J	0.0013	U
Methyl tert butyl ether	0.93	100	0.93	mg/kg	0.0022	U	0.0021	U	0.0026	U	0.0027	U	0.0023	U	0.0027	U	0.0022	U	0.0026	U
Methylene chloride	0.05	100	0.05	mg/kg	0.0054	U	0.0053	U	0.0066	U	0.0067	U	0.0057	U	0.0067	U	0.0054	U	0.0066	U
n-Butylbenzene	12	100	12	mg/kg	0.0011	U	0.001	U	0.0013	U	0.0013	U	0.0011	U	0.02		0.0011	U	0.0013	U
n-Propylbenzene	3.9	100	3.9	mg/kg	0.0011	U	0.001	U	0.0013	U	0.0013	U	0.0011	U	0.14		0.00065	J	0.0013	U
Naphthalene	12	100	12	mg/kg	0.0043	U	0.0042	U	0.0053	U	0.0053	U	0.0016	J	0.00092	J	0.0058		0.0053	U
o-Chlorotoluene	NC	NC	NC	mg/kg	0.0022	U	0.0021	U	0.0026	U	0.0027	U	0.0023	U	0.0027	U	0.0022	U	0.0026	U
o-Xylene	NC	NC	NC	mg/kg	0.0011	U	0.003		0.0013	U	0.0013	U	0.0011	U	0.057		0.00093	J	0.0013	U
p-Chlorotoluene	NC	NC	NC	mg/kg	0.0022	U	0.0021	U	0.0026	U	0.0027	U	0.0023	U	0.0027	U	0.0022	U	0.0026	U
p-Diethylbenzene	NC	NC	NC	mg/kg	0.0022	U	0.0021	U	0.0026	U	0.0027	U	0.0023	U	0.0027	U	0.00039	J	0.0026	U
p-Ethyltoluene	NC	NC	NC	mg/kg	0.0022	U	0.0021	U	0.0026	U	0.0027	U	0.0023	U	0.0043		0.0022	U	0.0026	U
p-Isopropyltoluene	NC	NC	NC	mg/kg	0.0011	U	0.00031	J	0.0013	U	0.0013	U	0.0011	U	0.014		0.00042	J	0.0013	U
p/m-Xylene	NC	NC	NC	mg/kg	0.0022	U	0.0058		0.0026	U	0.0027	U	0.0023	U	0.0015	J	0.0022	U	0.0026	U
sec-Butylbenzene	11	100	11	mg/kg	0.0011	U	0.001	U	0.0013	U	0.0013	U	0.0011	U	0.023		0.00031	J	0.0013	U
Styrene	NC	NC	NC	mg/kg	0.0011	U	0.001	U	0.0013	U	0.0013	U	0.0011	U	0.0013	U	0.0011	U	0.0013	U
tert-Butylbenzene	5.9	100	5.9	mg/kg	0.0022	U	0.0021	U	0.0026	U	0.0027	U	0.0023	U	0.026		0.00032	J	0.0026	U
Tetrachloroethene	1.3	19	1.3	mg/kg	0.00054	U	0.00053	U	0.00066	U	0.00067	U	0.00057	U	0.00067	U	0.00054	U	0.00066	U
Toluene	0.7	100	0.7	mg/kg	0.0011	U	0.001	U	0.0013	U	0.0013	U	0.0011	U	0.0013	U	0.0011	U	0.0013	U
trans-1,2-Dichloroethene	0.19	100	0.19	mg/kg	0.0016	U	0.0016	U	0.002	U	0.002	U	0.0017	U	0.002	U	0.0016	U	0.002	U
trans-1,3-Dichloropropene	NC	NC	NC	mg/kg	0.0011	U	0.001	U	0.0013	U	0.0013	U	0.0011	U	0.0013	U	0.0011	U	0.0013	U
trans-1,4-Dichloro-2-butene	NC	NC	NC	mg/kg	0.0054	U	0.0053	U	0.0066	U	0.0067	U	0.0057	U	0.0067	U	0.0054	U	0.0066	U
Trichloroethene	0.47	21	0.47	mg/kg	0.00054	U	0.00053	U	0.00066	U	0.00067	U	0.00057	U	0.00067	U	0.00054	U	0.00066	U
Trichlorofluoromethane	NC	NC	NC	mg/kg	0.0043	U	0.0042	U	0.0053	U	0.0053	U	0.0046	U	0.0054	U	0.0043	U	0.0053	U
Vinyl acetate	NC	NC	NC	mg/kg	0.011	U	0.01	U	0.013	U	0.013	U	0.011	U	0.013	U	0.011	U	0.013	U
Vinyl chloride	0.02	0.9	0.02	mg/kg	0.0011	U	0.001	U	0.0013	U	0.0013	U	0.0011	U	0.0013	U	0.0011	U	0.0013	U
Xylenes, Total	1.6	100	0.26	mg/kg	0.0011	U	0.0088		0.0013	U	0.0013	U	0.0011	U	0.059	J	0.00093	J	0.0013	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SB-20 (6.5-7.0)(OER)		SB-20 (11-11.5)(OER)		SB-21 (3-3.5)(OER)		SB-21 (9-9.5)(OER)		SB-21 (12-12.5)(OER)		SB-22 (4.5-5.0)(OER)		SB-22 (7.5-8.0)(OER)		SB-22 (11-11.5)(OER)	
				SAMPLING DATE	9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020	
				LAB SAMPLE ID	L2040027-16		L2040027-17		L2040027-18		L2040027-19		L2040027-20		L2040027-21		L2040027-22		L2040027-23	
				SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	PGW	RRSCO	USCO	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Volatile Organics by EPA 5035																				
1,1,1,2-Tetrachloroethane	NC	NC	NC	mg/kg	0.0006	U	0.00056	U	0.00057	U	0.00056	U	0.0005	U	0.00054	U	0.00052	U	0.00054	U
1,1,1-Trichloroethane	0.68	100	0.68	mg/kg	0.0006	U	0.00056	U	0.00057	U	0.00056	U	0.0005	U	0.00054	U	0.00052	U	0.00054	U
1,1,2,2-Tetrachloroethane	NC	NC	NC	mg/kg	0.0006	U	0.00056	U	0.00057	U	0.00056	U	0.0005	U	0.00054	U	0.00052	U	0.00054	U
1,1,2-Trichloroethane	NC	NC	NC	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0011	U	0.001	U	0.0011	U	0.001	U	0.0011	U
1,1-Dichloroethane	0.27	26	0.27	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0011	U	0.001	U	0.0011	U	0.001	U	0.0011	U
1,1-Dichloroethene	0.33	100	0.33	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0011	U	0.001	U	0.0011	U	0.001	U	0.0011	U
1,1-Dichloropropene	NC	NC	NC	mg/kg	0.0006	U	0.00056	U	0.00057	U	0.00056	U	0.0005	U	0.00054	U	0.00052	U	0.00054	U
1,2,3-Trichlorobenzene	NC	NC	NC	mg/kg	0.0024	U	0.0023	U	0.0023	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U
1,2,3-Trichloropropane	NC	NC	NC	mg/kg	0.0024	U	0.0023	U	0.0023	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U
1,2,4,5-Tetramethylbenzene	NC	NC	NC	mg/kg	0.0024	U	0.0023	U	0.00025	J	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U
1,2,4-Trichlorobenzene	NC	NC	NC	mg/kg	0.0024	U	0.0023	U	0.0023	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U
1,2,4-Trimethylbenzene	3.6	52	3.6	mg/kg	0.0024	U	0.0023	U	0.00082	J	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U
1,2-Dibromo-3-chloropropane	NC	NC	NC	mg/kg	0.0036	U	0.0034	U	0.0034	U	0.0034	U	0.003	U	0.0032	U	0.0031	U	0.0032	U
1,2-Dibromoethane	NC	NC	NC	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0011	U	0.001	U	0.0011	U	0.001	U	0.0011	U
1,2-Dichlorobenzene	1.1	100	1.1	mg/kg	0.0024	U	0.0023	U	0.0023	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U
1,2-Dichloroethane	0.02	3.1	0.02	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0011	U	0.001	U	0.0011	U	0.001	U	0.0011	U
1,2-Dichloroethene, Total	NC	NC	NC	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0011	U	0.001	U	0.0011	U	0.001	U	0.0011	U
1,2-Dichloropropane	NC	NC	NC	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0011	U	0.001	U	0.0011	U	0.001	U	0.0011	U
1,3,5-Trimethylbenzene	8.4	52	8.4	mg/kg	0.0024	U	0.0023	U	0.00041	J	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U
1,3-Dichlorobenzene	2.4	49	2.4	mg/kg	0.0024	U	0.0023	U	0.0023	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U
1,3-Dichloropropane	NC	NC	NC	mg/kg	0.0024	U	0.0023	U	0.0023	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U
1,3-Dichloropropene, Total	NC	NC	NC	mg/kg	0.0006	U	0.00056	U	0.00057	U	0.00056	U	0.0005	U	0.00054	U	0.00052	U	0.00054	U
1,4-Dichlorobenzene	1.8	13	1.8	mg/kg	0.0024	U	0.0023	U	0.0023	U	0.00023	J	0.002	U	0.0022	U	0.0021	U	0.0022	U
1,4-Dioxane	0.1	13	0.1	mg/kg	0.095	U	0.09	U	0.091	U	0.09	U	0.081	U	0.087	U	0.082	U	0.086	U
2,2-Dichloropropane	NC	NC	NC	mg/kg	0.0024	U	0.0023	U	0.0023	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U
2-Butanone	0.12	100	0.12	mg/kg	0.012	U	0.011	U	0.021		0.0042	J	0.0033	J	0.0045	J	0.01	U	0.011	U
2-Hexanone	NC	NC	NC	mg/kg	0.012	U	0.011	U	0.011	U	0.011	U	0.01	U	0.011	U	0.01	U	0.011	U
4-Methyl-2-pentanone	NC	NC	NC	mg/kg	0.012	U	0.011	U	0.011	U	0.011	U	0.01	U	0.011	U	0.01	U	0.011	U
Acetone	0.05	100	0.05	mg/kg	0.0067	J	0.0069	J	0.095		0.032		0.21		0.045		0.0054	J	0.011	U
Acrylonitrile	NC	NC	NC	mg/kg	0.0048	U	0.0045	U	0.0046	U	0.0045	U	0.004	U	0.0043	U	0.0041	U	0.0043	U
Benzene	0.06	4.8	0.06	mg/kg	0.0006	U	0.00056	U	0.00022	J	0.00056	U	0.0005	U	0.00054	U	0.00052	U	0.00054	U
Bromobenzene	NC	NC	NC	mg/kg	0.0024	U	0.0023	U	0.0023	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U
Bromochloromethane	NC	NC	NC	mg/kg	0.0024	U	0.0023	U	0.0023	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U
Bromodichloromethane	NC	NC	NC	mg/kg	0.0006	U	0.00056	U	0.00057	U	0.00056	U	0.0005	U	0.00054	U	0.00052	U	0.00054	U
Bromoform	NC	NC	NC	mg/kg	0.0048	U	0.0045	U	0.0046	U	0.0045	U	0.004	U	0.0043	U	0.0041	U	0.0043	U
Bromomethane	NC	NC	NC	mg/kg	0.0024	U	0.0023	U	0.0023	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U
Carbon disulfide	NC	NC	NC	mg/kg	0.012	U	0.011	U	0.011	U	0.011	U	0.01	U	0.011	U	0.01	U	0.011	U
Carbon tetrachloride	0.76	2.4	0.76	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0011	U	0.001	U	0.0011	U	0.001	U	0.0011	U
Chlorobenzene	1.1	100	1.1	mg/kg	0.0006	U	0.00056	U	0.00057	U	0.00056	U	0.0005	U	0.00054	U	0.00052	U	0.00054	U
Chloroethane	NC	NC	NC	mg/kg	0.0024	U	0.0023	U	0.0023	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U
Chloroform	0.37	49	0.37	mg/kg	0.0018	U	0.0017	U	0.0017	U	0.0017	U	0.0015	U	0.0016	U	0.0015	U	0.0016	U
Chloromethane	NC	NC	NC	mg/kg	0.0048	U	0.0045	U	0.0046	U	0.0045	U	0.004	U	0.0043	U	0.0041	U	0.0043	U
cis-1,2-Dichloroethene	0.25	100	0.25	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0011	U	0.001	U	0.0011	U	0.001	U	0.0011	U
cis-1,3-Dichloropropene	NC	NC	NC	mg/kg	0.0006	U	0.00056	U	0.00057	U	0.00056	U	0.0005	U	0.00054	U	0.00052	U	0.00054	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SB-20 (6.5-7.0)(OER)		SB-20 (11-11.5)(OER)		SB-21 (3-3.5)(OER)		SB-21 (9-9.5)(OER)		SB-21 (12-12.5)(OER)		SB-22 (4.5-5.0)(OER)		SB-22 (7.5-8.0)(OER)		SB-22 (11-11.5)(OER)	
				SAMPLING DATE	9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020	
				LAB SAMPLE ID	L2040027-16		L2040027-17		L2040027-18		L2040027-19		L2040027-20		L2040027-21		L2040027-22		L2040027-23	
				SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	PGW	RRSCO	USCO	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Volatile Organics by EPA 5035																				
Dibromochloromethane	NC	NC	NC	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0011	U	0.001	U	0.0011	U	0.001	U	0.0011	U
Dibromomethane	NC	NC	NC	mg/kg	0.0024	U	0.0023	U	0.0023	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U
Dichlorodifluoromethane	NC	NC	NC	mg/kg	0.012	U	0.011	U	0.011	U	0.011	U	0.01	U	0.011	U	0.01	U	0.011	U
Ethyl ether	NC	NC	NC	mg/kg	0.0024	U	0.0023	U	0.0023	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U
Ethylbenzene	1	41	1	mg/kg	0.0012	U	0.0011	U	0.00027	J	0.0011	U	0.001	U	0.0011	U	0.001	U	0.0011	U
Hexachlorobutadiene	NC	NC	NC	mg/kg	0.0048	U	0.0045	U	0.0046	U	0.0045	U	0.004	U	0.0043	U	0.0041	U	0.0043	U
Isopropylbenzene	NC	NC	NC	mg/kg	0.0012	U	0.0011	U	0.00014	J	0.0011	U	0.001	U	0.0011	U	0.001	U	0.0011	U
Methyl tert butyl ether	0.93	100	0.93	mg/kg	0.0024	U	0.0023	U	0.0023	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U
Methylene chloride	0.05	100	0.05	mg/kg	0.006	U	0.0056	U	0.0057	U	0.0056	U	0.005	U	0.0054	U	0.0052	U	0.0054	U
n-Butylbenzene	12	100	12	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0011	U	0.001	U	0.0011	U	0.001	U	0.0011	U
n-Propylbenzene	3.9	100	3.9	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0011	U	0.001	U	0.0011	U	0.001	U	0.0011	U
Naphthalene	12	100	12	mg/kg	0.0048	U	0.0045	U	0.028		0.0045	U	0.0015	J	0.0022	J	0.0041	U	0.0043	U
o-Chlorotoluene	NC	NC	NC	mg/kg	0.0024	U	0.0023	U	0.0023	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U
o-Xylene	NC	NC	NC	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0011	U	0.001	U	0.0011	U	0.001	U	0.0011	U
p-Chlorotoluene	NC	NC	NC	mg/kg	0.0024	U	0.0023	U	0.0023	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U
p-Diethylbenzene	NC	NC	NC	mg/kg	0.0024	U	0.0023	U	0.00045	J	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U
p-Ethyltoluene	NC	NC	NC	mg/kg	0.0024	U	0.0023	U	0.0023	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U
p-Isopropyltoluene	NC	NC	NC	mg/kg	0.0012	U	0.0011	U	0.0004	J	0.0011	U	0.001	U	0.0011	U	0.001	U	0.0011	U
p/m-Xylene	NC	NC	NC	mg/kg	0.0024	U	0.0023	U	0.0023	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U
sec-Butylbenzene	11	100	11	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0011	U	0.001	U	0.0011	U	0.001	U	0.0011	U
Styrene	NC	NC	NC	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0011	U	0.001	U	0.0011	U	0.001	U	0.0011	U
tert-Butylbenzene	5.9	100	5.9	mg/kg	0.0024	U	0.0023	U	0.0023	U	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0022	U
Tetrachloroethene	1.3	19	1.3	mg/kg	0.0006	U	0.00056	U	0.00057	U	0.00056	U	0.0005	U	0.00054	U	0.00052	U	0.00054	U
Toluene	0.7	100	0.7	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0011	U	0.001	U	0.0011	U	0.001	U	0.0011	U
trans-1,2-Dichloroethene	0.19	100	0.19	mg/kg	0.0018	U	0.0017	U	0.0017	U	0.0017	U	0.0015	U	0.0016	U	0.0015	U	0.0016	U
trans-1,3-Dichloropropene	NC	NC	NC	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0011	U	0.001	U	0.0011	U	0.001	U	0.0011	U
trans-1,4-Dichloro-2-butene	NC	NC	NC	mg/kg	0.006	U	0.0056	U	0.0057	U	0.0056	U	0.005	U	0.0054	U	0.0052	U	0.0054	U
Trichloroethene	0.47	21	0.47	mg/kg	0.0006	U	0.00056	U	0.00057	U	0.00056	U	0.0005	U	0.00054	U	0.00052	U	0.00054	U
Trichlorofluoromethane	NC	NC	NC	mg/kg	0.0048	U	0.0045	U	0.0046	U	0.0045	U	0.004	U	0.0043	U	0.0041	U	0.0043	U
Vinyl acetate	NC	NC	NC	mg/kg	0.012	U	0.011	U	0.011	U	0.011	U	0.01	U	0.011	U	0.01	U	0.011	U
Vinyl chloride	0.02	0.9	0.02	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0011	U	0.001	U	0.0011	U	0.001	U	0.0011	U
Xylenes, Total	1.6	100	0.26	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0011	U	0.001	U	0.0011	U	0.001	U	0.0011	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

			LOCATION		SB-18 (13-13.5)(OER)		SB-23 (4.5-5.0)(OER)		SB-23 (7.5-8.0)(OER)		SB-23 (11.5-12.0)(OER		SB-24 (3-3.5)(OER)		SB-24 (6-6.5)(OER)		SB-24 (14-14.5)(OER)		SB-25 (3-3.5)(OER)	
			SAMPLING DATE		9/23/2020		9/24/2020		9/24/2020		9/24/2020		9/24/2020		9/24/2020		9/24/2020		9/24/2020	
			LAB SAMPLE ID		L2040027-24		L2040317-01		L2040317-02		L2040317-03		L2040317-04		L2040317-05		L2040317-06		L2040317-07	
			SAMPLE TYPE		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	PGW	RRSCO	USCO	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Volatile Organics by EPA 5035																				
1,1,1,2-Tetrachloroethane	NC	NC	NC	mg/kg	0.00057	U	0.00057	U	0.00062	U	0.00057	U	0.00058	U	0.00058	U	0.00055	U	0.00058	U
1,1,1-Trichloroethane	0.68	100	0.68	mg/kg	0.00057	U	0.00057	U	0.00062	U	0.00057	U	0.00058	U	0.00058	U	0.00055	U	0.00058	U
1,1,2,2-Tetrachloroethane	NC	NC	NC	mg/kg	0.00057	U	0.00057	U	0.00062	U	0.00057	U	0.00058	U	0.00058	U	0.00055	U	0.00058	U
1,1,2-Trichloroethane	NC	NC	NC	mg/kg	0.0011	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U
1,1-Dichloroethane	0.27	26	0.27	mg/kg	0.0011	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U
1,1-Dichloroethene	0.33	100	0.33	mg/kg	0.0011	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U
1,1-Dichloropropene	NC	NC	NC	mg/kg	0.00057	U	0.00057	U	0.00062	U	0.00057	U	0.00058	U	0.00058	U	0.00055	U	0.00058	U
1,2,3-Trichlorobenzene	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0025	U	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0023	U
1,2,3-Trichloropropane	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0025	U	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0023	U
1,2,4,5-Tetramethylbenzene	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0025	U	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0023	U
1,2,4-Trichlorobenzene	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0025	U	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0023	U
1,2,4-Trimethylbenzene	3.6	52	3.6	mg/kg	0.0023	U	0.0023	U	0.0025	U	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0023	U
1,2-Dibromo-3-chloropropane	NC	NC	NC	mg/kg	0.0034	U	0.0034	U	0.0037	U	0.0034	U	0.0035	U	0.0034	U	0.0033	U	0.0035	U
1,2-Dibromoethane	NC	NC	NC	mg/kg	0.0011	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U
1,2-Dichlorobenzene	1.1	100	1.1	mg/kg	0.0023	U	0.0023	U	0.0025	U	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0023	U
1,2-Dichloroethane	0.02	3.1	0.02	mg/kg	0.0011	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U
1,2-Dichloroethene, Total	NC	NC	NC	mg/kg	0.0011	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U
1,2-Dichloropropane	NC	NC	NC	mg/kg	0.0011	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U
1,3,5-Trimethylbenzene	8.4	52	8.4	mg/kg	0.0023	U	0.0023	U	0.0025	U	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0023	U
1,3-Dichlorobenzene	2.4	49	2.4	mg/kg	0.0023	U	0.0023	U	0.0025	U	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0023	U
1,3-Dichloropropane	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0025	U	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0023	U
1,3-Dichloropropene, Total	NC	NC	NC	mg/kg	0.00057	U	0.00057	U	0.00062	U	0.00057	U	0.00058	U	0.00058	U	0.00055	U	0.00058	U
1,4-Dichlorobenzene	1.8	13	1.8	mg/kg	0.0023	U	0.0023	U	0.0025	U	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0023	U
1,4-Dioxane	0.1	13	0.1	mg/kg	0.091	U	0.092	U	0.099	U	0.091	U	0.093	U	0.092	U	0.088	U	0.094	U
2,2-Dichloropropane	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0025	U	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0023	U
2-Butanone	0.12	100	0.12	mg/kg	0.011	U	0.011	U	0.012	U	0.011	U	0.012	U	0.012	U	0.0029	J	0.012	U
2-Hexanone	NC	NC	NC	mg/kg	0.011	U	0.011	U	0.012	U	0.011	U	0.012	U	0.012	U	0.011	U	0.012	U
4-Methyl-2-pentanone	NC	NC	NC	mg/kg	0.011	U	0.011	U	0.012	U	0.011	U	0.012	U	0.012	U	0.011	U	0.012	U
Acetone	0.05	100	0.05	mg/kg	0.011		0.011	U	0.012	U	0.012		0.012	U	0.012	U	0.017		0.012	U
Acrylonitrile	NC	NC	NC	mg/kg	0.0045	U	0.0046	U	0.005	U	0.0046	U	0.0046	U	0.0046	U	0.0044	U	0.0047	U
Benzene	0.06	4.8	0.06	mg/kg	0.00057	U	0.00057	U	0.00062	U	0.00057	U	0.00058	U	0.00058	U	0.00055	U	0.00058	U
Bromobenzene	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0025	U	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0023	U
Bromochloromethane	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0025	U	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0023	U
Bromodichloromethane	NC	NC	NC	mg/kg	0.00057	U	0.00057	U	0.00062	U	0.00057	U	0.00058	U	0.00058	U	0.00055	U	0.00058	U
Bromoform	NC	NC	NC	mg/kg	0.0045	U	0.0046	U	0.005	U	0.0046	U	0.0046	U	0.0046	U	0.0044	U	0.0047	U
Bromomethane	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0025	U	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0023	U
Carbon disulfide	NC	NC	NC	mg/kg	0.0053	J	0.011	U	0.012	U	0.011	U	0.012	U	0.012	U	0.011		0.012	U
Carbon tetrachloride	0.76	2.4	0.76	mg/kg	0.0011	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U
Chlorobenzene	1.1	100	1.1	mg/kg	0.00057	U	0.00057	U	0.00062	U	0.00057	U	0.00058	U	0.00058	U	0.00055	U	0.00058	U
Chloroethane	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0025	U	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0023	U
Chloroform	0.37	49	0.37	mg/kg	0.0017	U	0.0017	U	0.0019	U	0.0017	U	0.0017	U	0.0017	U	0.0016	U	0.00043	J
Chloromethane	NC	NC	NC	mg/kg	0.0045	U	0.0046	U	0.005	U	0.0046	U	0.0046	U	0.0046	U	0.0044	U	0.0047	U
cis-1,2-Dichloroethene	0.25	100	0.25	mg/kg	0.0011	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U
cis-1,3-Dichloropropene	NC	NC	NC	mg/kg	0.00057	U	0.00057	U	0.00062	U	0.00057	U	0.00058	U	0.00058	U	0.00055	U	0.00058	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

			LOCATION		SB-18 (13-13.5)(OER)		SB-23 (4.5-5.0)(OER)		SB-23 (7.5-8.0)(OER)		SB-23 (11.5-12.0)(OER		SB-24 (3-3.5)(OER)		SB-24 (6-6.5)(OER)		SB-24 (14-14.5)(OER)		SB-25 (3-3.5)(OER)	
			SAMPLING DATE		9/23/2020		9/24/2020		9/24/2020		9/24/2020		9/24/2020		9/24/2020		9/24/2020		9/24/2020	
			LAB SAMPLE ID		L2040027-24		L2040317-01		L2040317-02		L2040317-03		L2040317-04		L2040317-05		L2040317-06		L2040317-07	
			SAMPLE TYPE		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	PGW	RRSCO	USCO	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Volatile Organics by EPA 5035																				
Dibromochloromethane	NC	NC	NC	mg/kg	0.0011	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U
Dibromomethane	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0025	U	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0023	U
Dichlorodifluoromethane	NC	NC	NC	mg/kg	0.011	U	0.011	U	0.012	U	0.011	U	0.012	U	0.012	U	0.011	U	0.012	U
Ethyl ether	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0025	U	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0023	U
Ethylbenzene	1	41	1	mg/kg	0.0011	U	0.0011	U	0.0012	U	0.0011	U	0.00022	J	0.0012	U	0.0011	U	0.0012	U
Hexachlorobutadiene	NC	NC	NC	mg/kg	0.0045	U	0.0046	U	0.005	U	0.0046	U	0.0046	U	0.0046	U	0.0044	U	0.0047	U
Isopropylbenzene	NC	NC	NC	mg/kg	0.0011	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U
Methyl tert butyl ether	0.93	100	0.93	mg/kg	0.0023	U	0.0023	U	0.0025	U	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0023	U
Methylene chloride	0.05	100	0.05	mg/kg	0.0057	U	0.0057	U	0.0062	U	0.0057	U	0.0058	U	0.0058	U	0.0055	U	0.0058	U
n-Butylbenzene	12	100	12	mg/kg	0.0011	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U
n-Propylbenzene	3.9	100	3.9	mg/kg	0.0011	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U
Naphthalene	12	100	12	mg/kg	0.0045	U	0.0012	J	0.005	U	0.0046	U	0.0013	J	0.0046	U	0.0044	U	0.0047	U
o-Chlorotoluene	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0025	U	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0023	U
o-Xylene	NC	NC	NC	mg/kg	0.0011	U	0.0011	U	0.0012	U	0.0011	U	0.00038	J	0.0012	U	0.0011	U	0.0012	U
p-Chlorotoluene	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0025	U	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0023	U
p-Diethylbenzene	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0025	U	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0023	U
p-Ethyltoluene	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0025	U	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0023	U
p-Isopropyltoluene	NC	NC	NC	mg/kg	0.0011	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U
p/m-Xylene	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0025	U	0.0023	U	0.00099	J	0.0023	U	0.0022	U	0.0023	U
sec-Butylbenzene	11	100	11	mg/kg	0.0011	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U
Styrene	NC	NC	NC	mg/kg	0.0011	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U
tert-Butylbenzene	5.9	100	5.9	mg/kg	0.0023	U	0.0023	U	0.0025	U	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0023	U
Tetrachloroethene	1.3	19	1.3	mg/kg	0.00057	U	0.00057	U	0.00062	U	0.00057	U	0.00058	U	0.00058	U	0.00055	U	0.00058	U
Toluene	0.7	100	0.7	mg/kg	0.0011	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U
trans-1,2-Dichloroethene	0.19	100	0.19	mg/kg	0.0017	U	0.0017	U	0.0019	U	0.0017	U	0.0017	U	0.0017	U	0.0016	U	0.0018	U
trans-1,3-Dichloropropene	NC	NC	NC	mg/kg	0.0011	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U
trans-1,4-Dichloro-2-butene	NC	NC	NC	mg/kg	0.0057	U	0.0057	U	0.0062	U	0.0057	U	0.0058	U	0.0058	U	0.0055	U	0.0058	U
Trichloroethene	0.47	21	0.47	mg/kg	0.00057	U	0.00057	U	0.00062	U	0.00057	U	0.00058	U	0.00058	U	0.00055	U	0.00058	U
Trichlorofluoromethane	NC	NC	NC	mg/kg	0.0045	U	0.0046	U	0.005	U	0.0046	U	0.0046	U	0.0046	U	0.0044	U	0.0047	U
Vinyl acetate	NC	NC	NC	mg/kg	0.011	U	0.011	U	0.012	U	0.011	U	0.012	U	0.012	U	0.011	U	0.012	U
Vinyl chloride	0.02	0.9	0.02	mg/kg	0.0011	U	0.0011	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U
Xylenes, Total	1.6	100	0.26	mg/kg	0.0011	U	0.0011	U	0.0012	U	0.0011	U	0.0014	J	0.0012	U	0.0011	U	0.0012	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SB-25 (6.5-7.0)(OER)		SB-25 (13-13.5)(OER)		SB-19 (4.5-5)		SB-19 (8-8.5)		SB-19 (12.5-13)		SB-20 (4.5-5)		SB-20 (8-8.5)		SB-20 (12.5-13)	
				SAMPLING DATE	9/24/2020		9/24/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020	
				LAB SAMPLE ID	L2040317-08		L2040317-09		L2046926-04		L2046926-05		L2046926-06		L2046926-07		L2046926-08		L2046926-09	
				SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	PGW	RRSCO	USCO	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Volatile Organics by EPA 5035																				
1,1,1,2-Tetrachloroethane	NC	NC	NC	mg/kg	0.00054	U	0.00059	U	0.0006	U	0.00055	U	0.00061	U	0.00058	U	0.00063	U	0.00056	U
1,1,1-Trichloroethane	0.68	100	0.68	mg/kg	0.00054	U	0.00059	U	0.0006	U	0.00055	U	0.00061	U	0.00058	U	0.00063	U	0.00056	U
1,1,2,2-Tetrachloroethane	NC	NC	NC	mg/kg	0.00054	U	0.00059	U	0.0006	U	0.00055	U	0.00061	U	0.00058	U	0.00063	U	0.00056	U
1,1,2-Trichloroethane	NC	NC	NC	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U	0.0011	U
1,1-Dichloroethane	0.27	26	0.27	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U	0.0011	U
1,1-Dichloroethene	0.33	100	0.33	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U	0.0011	U
1,1-Dichloropropene	NC	NC	NC	mg/kg	0.00054	U	0.00059	U	0.0006	U	0.00055	U	0.00061	U	0.00058	U	0.00063	U	0.00056	U
1,2,3-Trichlorobenzene	NC	NC	NC	mg/kg	0.0022	U	0.0024	U	0.0024	U	0.0022	U	0.0024	U	0.0023	U	0.0025	U	0.0022	U
1,2,3-Trichloropropane	NC	NC	NC	mg/kg	0.0022	U	0.0024	U	0.0024	U	0.0022	U	0.0024	U	0.0023	U	0.0025	U	0.0022	U
1,2,4,5-Tetramethylbenzene	NC	NC	NC	mg/kg	0.0022	U	0.0024	U	0.0024	U	0.0022	U	0.0024	U	0.0023	U	0.0025	U	0.0022	U
1,2,4-Trichlorobenzene	NC	NC	NC	mg/kg	0.0022	U	0.0024	U	0.0024	U	0.0022	U	0.0024	U	0.0023	U	0.0025	U	0.0022	U
1,2,4-Trimethylbenzene	3.6	52	3.6	mg/kg	0.0022	U	0.0024	U	0.0024	U	0.0022	U	0.0024	U	0.0023	U	0.0025	U	0.0022	U
1,2-Dibromo-3-chloropropane	NC	NC	NC	mg/kg	0.0033	U	0.0035	U	0.0036	U	0.0033	U	0.0037	U	0.0034	U	0.0038	U	0.0034	U
1,2-Dibromoethane	NC	NC	NC	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U	0.0011	U
1,2-Dichlorobenzene	1.1	100	1.1	mg/kg	0.0022	U	0.0024	U	0.0024	U	0.0022	U	0.0024	U	0.0023	U	0.0025	U	0.0022	U
1,2-Dichloroethane	0.02	3.1	0.02	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U	0.0011	U
1,2-Dichloroethene, Total	NC	NC	NC	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U	0.0011	U
1,2-Dichloropropane	NC	NC	NC	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U	0.0011	U
1,3,5-Trimethylbenzene	8.4	52	8.4	mg/kg	0.0022	U	0.0024	U	0.0024	U	0.0022	U	0.0024	U	0.0023	U	0.0025	U	0.0022	U
1,3-Dichlorobenzene	2.4	49	2.4	mg/kg	0.0022	U	0.0024	U	0.0024	U	0.0022	U	0.0024	U	0.0023	U	0.0025	U	0.0022	U
1,3-Dichloropropane	NC	NC	NC	mg/kg	0.0022	U	0.0024	U	0.0024	U	0.0022	U	0.0024	U	0.0023	U	0.0025	U	0.0022	U
1,3-Dichloropropene, Total	NC	NC	NC	mg/kg	0.00054	U	0.00059	U	0.0006	U	0.00055	U	0.00061	U	0.00058	U	0.00063	U	0.00056	U
1,4-Dichlorobenzene	1.8	13	1.8	mg/kg	0.0022	U	0.0024	U	0.0024	U	0.0022	U	0.0024	U	0.0023	U	0.0025	U	0.0022	U
1,4-Dioxane	0.1	13	0.1	mg/kg	0.087	U	0.094	U	0.097	U	0.088	U	0.098	U	0.092	U	0.1	U	0.089	U
2,2-Dichloropropane	NC	NC	NC	mg/kg	0.0022	U	0.0024	U	0.0024	U	0.0022	U	0.0024	U	0.0023	U	0.0025	U	0.0022	U
2-Butanone	0.12	100	0.12	mg/kg	0.011	U	0.012	U	0.012	U	0.011	U	0.012	U	0.012	U	0.012	U	0.011	U
2-Hexanone	NC	NC	NC	mg/kg	0.011	U	0.012	U	0.012	U	0.011	U	0.012	U	0.012	U	0.012	U	0.011	U
4-Methyl-2-pentanone	NC	NC	NC	mg/kg	0.011	U	0.012	U	0.012	U	0.011	U	0.012	U	0.012	U	0.012	U	0.011	U
Acetone	0.05	100	0.05	mg/kg	0.011	U	0.015		0.012	U	0.011	U	0.012	U	0.012	U	0.012	U	0.011	U
Acrylonitrile	NC	NC	NC	mg/kg	0.0044	U	0.0047	U	0.0048	U	0.0044	U	0.0049	U	0.0046	U	0.005	U	0.0045	U
Benzene	0.06	4.8	0.06	mg/kg	0.00054	U	0.00059	U	0.0006	U	0.00055	U	0.00061	U	0.00058	U	0.00063	U	0.00056	U
Bromobenzene	NC	NC	NC	mg/kg	0.0022	U	0.0024	U	0.0024	U	0.0022	U	0.0024	U	0.0023	U	0.0025	U	0.0022	U
Bromochloromethane	NC	NC	NC	mg/kg	0.0022	U	0.0024	U	0.0024	U	0.0022	U	0.0024	U	0.0023	U	0.0025	U	0.0022	U
Bromodichloromethane	NC	NC	NC	mg/kg	0.00054	U	0.00059	U	0.0006	U	0.00055	U	0.00061	U	0.00058	U	0.00063	U	0.00056	U
Bromoform	NC	NC	NC	mg/kg	0.0044	U	0.0047	U	0.0048	U	0.0044	U	0.0049	U	0.0046	U	0.005	U	0.0045	U
Bromomethane	NC	NC	NC	mg/kg	0.0022	U	0.0024	U	0.0024	U	0.0022	U	0.0024	U	0.0023	U	0.0025	U	0.0022	U
Carbon disulfide	NC	NC	NC	mg/kg	0.011	U	0.0085	J	0.012	U	0.011	U	0.012	U	0.012	U	0.012	U	0.011	U
Carbon tetrachloride	0.76	2.4	0.76	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U	0.0011	U
Chlorobenzene	1.1	100	1.1	mg/kg	0.00054	U	0.00059	U	0.0006	U	0.00055	U	0.00061	U	0.00058	U	0.00063	U	0.00056	U
Chloroethane	NC	NC	NC	mg/kg	0.0022	U	0.0024	U	0.0024	U	0.0022	U	0.0024	U	0.0023	U	0.0025	U	0.0022	U
Chloroform	0.37	49	0.37	mg/kg	0.0016	U	0.0018	U	0.0018	U	0.0016	U	0.0018	U	0.0017	U	0.0019	U	0.0017	U
Chloromethane	NC	NC	NC	mg/kg	0.0044	U	0.0047	U	0.0048	U	0.0044	U	0.0049	U	0.0046	U	0.005	U	0.0045	U
cis-1,2-Dichloroethene	0.25	100	0.25	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U	0.0011	U
cis-1,3-Dichloropropene	NC	NC	NC	mg/kg	0.00054	U	0.00059	U	0.0006	U	0.00055	U	0.00061	U	0.00058	U	0.00063	U	0.00056	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SB-25 (6.5-7.0)(OER)		SB-25 (13-13.5)(OER)		SB-19 (4.5-5)		SB-19 (8-8.5)		SB-19 (12.5-13)		SB-20 (4.5-5)		SB-20 (8-8.5)		SB-20 (12.5-13)	
				SAMPLING DATE	9/24/2020		9/24/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020	
				LAB SAMPLE ID	L2040317-08		L2040317-09		L2046926-04		L2046926-05		L2046926-06		L2046926-07		L2046926-08		L2046926-09	
				SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	PGW	RRSCO	USCO	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Volatile Organics by EPA 5035																				
Dibromochloromethane	NC	NC	NC	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U	0.0011	U
Dibromomethane	NC	NC	NC	mg/kg	0.0022	U	0.0024	U	0.0024	U	0.0022	U	0.0024	U	0.0023	U	0.0025	U	0.0022	U
Dichlorodifluoromethane	NC	NC	NC	mg/kg	0.011	U	0.012	U	0.012	U	0.011	U	0.012	U	0.012	U	0.012	U	0.011	U
Ethyl ether	NC	NC	NC	mg/kg	0.0022	U	0.0024	U	0.0024	U	0.0022	U	0.0024	U	0.0023	U	0.0025	U	0.0022	U
Ethylbenzene	1	41	1	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U	0.0011	U
Hexachlorobutadiene	NC	NC	NC	mg/kg	0.0044	U	0.0047	U	0.0048	U	0.0044	U	0.0049	U	0.0046	U	0.005	U	0.0045	U
Isopropylbenzene	NC	NC	NC	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U	0.0011	U
Methyl tert butyl ether	0.93	100	0.93	mg/kg	0.0022	U	0.0024	U	0.0024	U	0.0022	U	0.0024	U	0.0023	U	0.0025	U	0.0022	U
Methylene chloride	0.05	100	0.05	mg/kg	0.0054	U	0.0059	U	0.006	U	0.0055	U	0.0061	U	0.0058	U	0.0063	U	0.0056	U
n-Butylbenzene	12	100	12	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U	0.0011	U
n-Propylbenzene	3.9	100	3.9	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U	0.0011	U
Naphthalene	12	100	12	mg/kg	0.0044	U	0.0047	U	0.0048	U	0.0044	U	0.0049	U	0.0046	U	0.005	U	0.0045	U
o-Chlorotoluene	NC	NC	NC	mg/kg	0.0022	U	0.0024	U	0.0024	U	0.0022	U	0.0024	U	0.0023	U	0.0025	U	0.0022	U
o-Xylene	NC	NC	NC	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U	0.0011	U
p-Chlorotoluene	NC	NC	NC	mg/kg	0.0022	U	0.0024	U	0.0024	U	0.0022	U	0.0024	U	0.0023	U	0.0025	U	0.0022	U
p-Diethylbenzene	NC	NC	NC	mg/kg	0.0022	U	0.0024	U	0.0024	U	0.0022	U	0.0024	U	0.0023	U	0.0025	U	0.0022	U
p-Ethyltoluene	NC	NC	NC	mg/kg	0.0022	U	0.0024	U	0.0024	U	0.0022	U	0.0024	U	0.0023	U	0.0025	U	0.0022	U
p-Isopropyltoluene	NC	NC	NC	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U	0.0011	U
p/m-Xylene	NC	NC	NC	mg/kg	0.0022	U	0.0024	U	0.0024	U	0.0022	U	0.0024	U	0.0023	U	0.0025	U	0.0022	U
sec-Butylbenzene	11	100	11	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U	0.0011	U
Styrene	NC	NC	NC	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U	0.0011	U
tert-Butylbenzene	5.9	100	5.9	mg/kg	0.0022	U	0.0024	U	0.0024	U	0.0022	U	0.0024	U	0.0023	U	0.0025	U	0.0022	U
Tetrachloroethene	1.3	19	1.3	mg/kg	0.00054	U	0.00059	U	0.0006	U	0.00055	U	0.00061	U	0.00058	U	0.00063	U	0.00056	U
Toluene	0.7	100	0.7	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U	0.0011	U
trans-1,2-Dichloroethene	0.19	100	0.19	mg/kg	0.0016	U	0.0018	U	0.0018	U	0.0016	U	0.0018	U	0.0017	U	0.0019	U	0.0017	U
trans-1,3-Dichloropropene	NC	NC	NC	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U	0.0011	U
trans-1,4-Dichloro-2-butene	NC	NC	NC	mg/kg	0.0054	U	0.0059	U	0.006	U	0.0055	U	0.0061	U	0.0058	U	0.0063	U	0.0056	U
Trichloroethene	0.47	21	0.47	mg/kg	0.00054	U	0.00059	U	0.0006	U	0.00055	U	0.00061	U	0.00058	U	0.00063	U	0.00056	U
Trichlorofluoromethane	NC	NC	NC	mg/kg	0.0044	U	0.0047	U	0.0048	U	0.0044	U	0.0049	U	0.0046	U	0.005	U	0.0045	U
Vinyl acetate	NC	NC	NC	mg/kg	0.011	U	0.012	U	0.012	U	0.011	U	0.012	U	0.012	U	0.012	U	0.011	U
Vinyl chloride	0.02	0.9	0.02	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U	0.0011	U
Xylenes, Total	1.6	100	0.26	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U	0.0012	U	0.0011	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

			LOCATION		SB-16 (4.5-5)		SB-16 (8-8.5)		SB-16 (12.5-13)		SB-21 (4.5-5)		SB-21 (8-8.5)		SB-21 (12.5-13)		SB-18 (4.5-5)		SB-18 (8-8.5)	
			SAMPLING DATE		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020	
			LAB SAMPLE ID		L2046926-10		L2046926-11		L2046926-12		L2046926-13		L2046926-14		L2046926-15		L2046926-16		L2046926-17	
			SAMPLE TYPE		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	PGW	RRSCO	USCO	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Volatile Organics by EPA 5035																				
1,1,1,2-Tetrachloroethane	NC	NC	NC	mg/kg	0.00059	U	0.00057	U	0.00056	U	0.00064	U	0.00054	U	0.00057	U	0.00058	U	0.0006	U
1,1,1-Trichloroethane	0.68	100	0.68	mg/kg	0.00059	U	0.00057	U	0.00056	U	0.00064	U	0.00054	U	0.00057	U	0.00058	U	0.0006	U
1,1,2,2-Tetrachloroethane	NC	NC	NC	mg/kg	0.00059	U	0.00057	U	0.00056	U	0.00064	U	0.00054	U	0.00057	U	0.00058	U	0.0006	U
1,1,2-Trichloroethane	NC	NC	NC	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0013	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U
1,1-Dichloroethane	0.27	26	0.27	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0013	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U
1,1-Dichloroethene	0.33	100	0.33	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0013	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U
1,1-Dichloropropene	NC	NC	NC	mg/kg	0.00059	U	0.00057	U	0.00056	U	0.00064	U	0.00054	U	0.00057	U	0.00058	U	0.0006	U
1,2,3-Trichlorobenzene	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0022	U	0.0026	U	0.0021	U	0.0023	U	0.0023	U	0.0024	U
1,2,3-Trichloropropane	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0022	U	0.0026	U	0.0021	U	0.0023	U	0.0023	U	0.0024	U
1,2,4,5-Tetramethylbenzene	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0022	U	0.0026	U	0.0021	U	0.0023	U	0.0023	U	0.0024	U
1,2,4-Trichlorobenzene	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0022	U	0.0026	U	0.0021	U	0.0023	U	0.0023	U	0.0024	U
1,2,4-Trimethylbenzene	3.6	52	3.6	mg/kg	0.0023	U	0.0023	U	0.0022	U	0.0026	U	0.0021	U	0.0023	U	0.0023	U	0.0024	U
1,2-Dibromo-3-chloropropane	NC	NC	NC	mg/kg	0.0035	U	0.0034	U	0.0034	U	0.0038	U	0.0032	U	0.0034	U	0.0035	U	0.0036	U
1,2-Dibromoethane	NC	NC	NC	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0013	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U
1,2-Dichlorobenzene	1.1	100	1.1	mg/kg	0.0023	U	0.0023	U	0.0022	U	0.0026	U	0.0021	U	0.0023	U	0.0023	U	0.0024	U
1,2-Dichloroethane	0.02	3.1	0.02	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0013	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U
1,2-Dichloroethene, Total	NC	NC	NC	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0013	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U
1,2-Dichloropropane	NC	NC	NC	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0013	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U
1,3,5-Trimethylbenzene	8.4	52	8.4	mg/kg	0.0023	U	0.0023	U	0.0022	U	0.0026	U	0.0021	U	0.0023	U	0.0023	U	0.0024	U
1,3-Dichlorobenzene	2.4	49	2.4	mg/kg	0.0023	U	0.0023	U	0.0022	U	0.0026	U	0.0021	U	0.0023	U	0.0023	U	0.0024	U
1,3-Dichloropropane	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0022	U	0.0026	U	0.0021	U	0.0023	U	0.0023	U	0.0024	U
1,3-Dichloropropene, Total	NC	NC	NC	mg/kg	0.00059	U	0.00057	U	0.00056	U	0.00064	U	0.00054	U	0.00057	U	0.00058	U	0.0006	U
1,4-Dichlorobenzene	1.8	13	1.8	mg/kg	0.0023	U	0.0023	U	0.0022	U	0.0026	U	0.0021	U	0.0023	U	0.0023	U	0.0024	U
1,4-Dioxane	0.1	13	0.1	mg/kg	0.094	U	0.092	U	0.089	U	0.1	U	0.086	U	0.092	U	0.093	U	0.095	U
2,2-Dichloropropane	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0022	U	0.0026	U	0.0021	U	0.0023	U	0.0023	U	0.0024	U
2-Butanone	0.12	100	0.12	mg/kg	0.012	U	0.011	U	0.011	U	0.013	U	0.011	U	0.011	U	0.012	U	0.012	U
2-Hexanone	NC	NC	NC	mg/kg	0.012	U	0.011	U	0.011	U	0.013	U	0.011	U	0.011	U	0.012	U	0.012	U
4-Methyl-2-pentanone	NC	NC	NC	mg/kg	0.012	U	0.011	U	0.011	U	0.013	U	0.011	U	0.011	U	0.012	U	0.012	U
Acetone	0.05	100	0.05	mg/kg	0.012	U	0.011	U	0.011	U	0.013	U	0.011	U	0.011	U	0.012	U	0.012	U
Acrylonitrile	NC	NC	NC	mg/kg	0.0047	U	0.0046	U	0.0045	U	0.0051	U	0.0043	U	0.0046	U	0.0047	U	0.0048	U
Benzene	0.06	4.8	0.06	mg/kg	0.00059	U	0.00057	U	0.00056	U	0.00064	U	0.00054	U	0.00057	U	0.00058	U	0.0006	U
Bromobenzene	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0022	U	0.0026	U	0.0021	U	0.0023	U	0.0023	U	0.0024	U
Bromochloromethane	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0022	U	0.0026	U	0.0021	U	0.0023	U	0.0023	U	0.0024	U
Bromodichloromethane	NC	NC	NC	mg/kg	0.00059	U	0.00057	U	0.00056	U	0.00064	U	0.00054	U	0.00057	U	0.00058	U	0.0006	U
Bromoform	NC	NC	NC	mg/kg	0.0047	U	0.0046	U	0.0045	U	0.0051	U	0.0043	U	0.0046	U	0.0047	U	0.0048	U
Bromomethane	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0022	U	0.0026	U	0.0021	U	0.0023	U	0.0023	U	0.0024	U
Carbon disulfide	NC	NC	NC	mg/kg	0.012	U	0.011	U	0.011	U	0.013	U	0.011	U	0.0057	J	0.012	U	0.012	U
Carbon tetrachloride	0.76	2.4	0.76	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0013	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U
Chlorobenzene	1.1	100	1.1	mg/kg	0.00059	U	0.00057	U	0.00056	U	0.00064	U	0.00054	U	0.00057	U	0.00058	U	0.0006	U
Chloroethane	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0022	U	0.0026	U	0.0021	U	0.0023	U	0.0023	U	0.0024	U
Chloroform	0.37	49	0.37	mg/kg	0.0018	U	0.0017	U	0.0017	U	0.0019	U	0.0016	U	0.0017	U	0.0017	U	0.0018	U
Chloromethane	NC	NC	NC	mg/kg	0.0047	U	0.0046	U	0.0045	U	0.0051	U	0.0043	U	0.0046	U	0.0047	U	0.0048	U
cis-1,2-Dichloroethene	0.25	100	0.25	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0013	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U
cis-1,3-Dichloropropene	NC	NC	NC	mg/kg	0.00059	U	0.00057	U	0.00056	U	0.00064	U	0.00054	U	0.00057	U	0.00058	U	0.0006	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SB-16 (4.5-5)		SB-16 (8-8.5)		SB-16 (12.5-13)		SB-21 (4.5-5)		SB-21 (8-8.5)		SB-21 (12.5-13)		SB-18 (4.5-5)		SB-18 (8-8.5)	
				SAMPLING DATE	10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020	
				LAB SAMPLE ID	L2046926-10		L2046926-11		L2046926-12		L2046926-13		L2046926-14		L2046926-15		L2046926-16		L2046926-17	
				SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	PGW	RRSCO	USCO	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Volatile Organics by EPA 5035																				
Dibromochloromethane	NC	NC	NC	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0013	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U
Dibromomethane	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0022	U	0.0026	U	0.0021	U	0.0023	U	0.0023	U	0.0024	U
Dichlorodifluoromethane	NC	NC	NC	mg/kg	0.012	U	0.011	U	0.011	U	0.013	U	0.011	U	0.011	U	0.012	U	0.012	U
Ethyl ether	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0022	U	0.0026	U	0.0021	U	0.0023	U	0.0023	U	0.0024	U
Ethylbenzene	1	41	1	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0013	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U
Hexachlorobutadiene	NC	NC	NC	mg/kg	0.0047	U	0.0046	U	0.0045	U	0.0051	U	0.0043	U	0.0046	U	0.0047	U	0.0048	U
Isopropylbenzene	NC	NC	NC	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0013	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U
Methyl tert butyl ether	0.93	100	0.93	mg/kg	0.0023	U	0.0023	U	0.0022	U	0.0026	U	0.0021	U	0.0023	U	0.0023	U	0.0024	U
Methylene chloride	0.05	100	0.05	mg/kg	0.0059	U	0.0057	U	0.0056	U	0.0064	U	0.0054	U	0.0057	U	0.0058	U	0.006	U
n-Butylbenzene	12	100	12	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0013	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U
n-Propylbenzene	3.9	100	3.9	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0013	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U
Naphthalene	12	100	12	mg/kg	0.0047	U	0.0046	U	0.0045	U	0.0051	U	0.0043	U	0.0046	U	0.0047	U	0.0048	U
o-Chlorotoluene	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0022	U	0.0026	U	0.0021	U	0.0023	U	0.0023	U	0.0024	U
o-Xylene	NC	NC	NC	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0013	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U
p-Chlorotoluene	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0022	U	0.0026	U	0.0021	U	0.0023	U	0.0023	U	0.0024	U
p-Diethylbenzene	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0022	U	0.0026	U	0.0021	U	0.0023	U	0.0023	U	0.0024	U
p-Ethyltoluene	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0022	U	0.0026	U	0.0021	U	0.0023	U	0.0023	U	0.0024	U
p-Isopropyltoluene	NC	NC	NC	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0013	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U
p/m-Xylene	NC	NC	NC	mg/kg	0.0023	U	0.0023	U	0.0022	U	0.0026	U	0.0021	U	0.0023	U	0.0023	U	0.0024	U
sec-Butylbenzene	11	100	11	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0013	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U
Styrene	NC	NC	NC	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0013	U	0.0011	U	0.0011	U	0.0012	U	0.00024	J
tert-Butylbenzene	5.9	100	5.9	mg/kg	0.0023	U	0.0023	U	0.0022	U	0.0026	U	0.0021	U	0.0023	U	0.0023	U	0.0024	U
Tetrachloroethene	1.3	19	1.3	mg/kg	0.00059	U	0.00057	U	0.00056	U	0.00064	U	0.00054	U	0.00057	U	0.00058	U	0.0006	U
Toluene	0.7	100	0.7	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0013	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U
trans-1,2-Dichloroethene	0.19	100	0.19	mg/kg	0.0018	U	0.0017	U	0.0017	U	0.0019	U	0.0016	U	0.0017	U	0.0017	U	0.0018	U
trans-1,3-Dichloropropene	NC	NC	NC	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0013	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U
trans-1,4-Dichloro-2-butene	NC	NC	NC	mg/kg	0.0059	U	0.0057	U	0.0056	U	0.0064	U	0.0054	U	0.0057	U	0.0058	U	0.006	U
Trichloroethene	0.47	21	0.47	mg/kg	0.00059	U	0.00057	U	0.00056	U	0.00064	U	0.00054	U	0.00057	U	0.00058	U	0.0006	U
Trichlorofluoromethane	NC	NC	NC	mg/kg	0.0047	U	0.0046	U	0.0045	U	0.0051	U	0.0043	U	0.0046	U	0.0047	U	0.0048	U
Vinyl acetate	NC	NC	NC	mg/kg	0.012	U	0.011	U	0.011	U	0.013	U	0.011	U	0.011	U	0.012	U	0.012	U
Vinyl chloride	0.02	0.9	0.02	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0013	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U
Xylenes, Total	1.6	100	0.26	mg/kg	0.0012	U	0.0011	U	0.0011	U	0.0013	U	0.0011	U	0.0011	U	0.0012	U	0.0012	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

			LOCATION		SB-18 (12.5-13)		SB-17 (4.5-5)		SB-17 (8-8.5)		SB-17 (12.5-13)		DUP-1		DUP-2	
			SAMPLING DATE		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020	
			LAB SAMPLE ID		L2046926-18		L2046926-19		L2046926-20		L2046926-21		L2046926-22		L2046926-23	
			SAMPLE TYPE		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	PGW	RRSCO	USCO	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Volatile Organics by EPA 5035																
1,1,1,2-Tetrachloroethane	NC	NC	NC	mg/kg	0.00057	U	0.00063	U	0.0006	U	0.00054	U	0.00058	U	0.00059	U
1,1,1-Trichloroethane	0.68	100	0.68	mg/kg	0.00057	U	0.00063	U	0.0006	U	0.00054	U	0.00058	U	0.00059	U
1,1,2,2-Tetrachloroethane	NC	NC	NC	mg/kg	0.00057	U	0.00063	U	0.0006	U	0.00054	U	0.00058	U	0.00059	U
1,1,2-Trichloroethane	NC	NC	NC	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U
1,1-Dichloroethane	0.27	26	0.27	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U
1,1-Dichloroethene	0.33	100	0.33	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U
1,1-Dichloropropene	NC	NC	NC	mg/kg	0.00057	U	0.00063	U	0.0006	U	0.00054	U	0.00058	U	0.00059	U
1,2,3-Trichlorobenzene	NC	NC	NC	mg/kg	0.0023	U	0.0025	U	0.0024	U	0.0022	U	0.0023	U	0.0024	U
1,2,3-Trichloropropane	NC	NC	NC	mg/kg	0.0023	U	0.0025	U	0.0024	U	0.0022	U	0.0023	U	0.0024	U
1,2,4,5-Tetramethylbenzene	NC	NC	NC	mg/kg	0.0023	U	0.0025	U	0.0024	U	0.0022	U	0.0023	U	0.0024	U
1,2,4-Trichlorobenzene	NC	NC	NC	mg/kg	0.0023	U	0.0025	U	0.0024	U	0.0022	U	0.0023	U	0.0024	U
1,2,4-Trimethylbenzene	3.6	52	3.6	mg/kg	0.0023	U	0.0025	U	0.0024	U	0.0022	U	0.0023	U	0.0024	U
1,2-Dibromo-3-chloropropane	NC	NC	NC	mg/kg	0.0034	U	0.0038	U	0.0036	U	0.0032	U	0.0035	U	0.0036	U
1,2-Dibromoethane	NC	NC	NC	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U
1,2-Dichlorobenzene	1.1	100	1.1	mg/kg	0.0023	U	0.0025	U	0.0024	U	0.0022	U	0.0023	U	0.0024	U
1,2-Dichloroethane	0.02	3.1	0.02	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U
1,2-Dichloroethene, Total	NC	NC	NC	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U
1,2-Dichloropropane	NC	NC	NC	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U
1,3,5-Trimethylbenzene	8.4	52	8.4	mg/kg	0.0023	U	0.0025	U	0.0024	U	0.0022	U	0.0023	U	0.0024	U
1,3-Dichlorobenzene	2.4	49	2.4	mg/kg	0.0023	U	0.0025	U	0.0024	U	0.0022	U	0.0023	U	0.0024	U
1,3-Dichloropropane	NC	NC	NC	mg/kg	0.0023	U	0.0025	U	0.0024	U	0.0022	U	0.0023	U	0.0024	U
1,3-Dichloropropene, Total	NC	NC	NC	mg/kg	0.00057	U	0.00063	U	0.0006	U	0.00054	U	0.00058	U	0.00059	U
1,4-Dichlorobenzene	1.8	13	1.8	mg/kg	0.0023	U	0.0025	U	0.0024	U	0.0022	U	0.0023	U	0.0024	U
1,4-Dioxane	0.1	13	0.1	mg/kg	0.091	U	0.1	U	0.096	U	0.087	U	0.093	U	0.095	U
2,2-Dichloropropane	NC	NC	NC	mg/kg	0.0023	U	0.0025	U	0.0024	U	0.0022	U	0.0023	U	0.0024	U
2-Butanone	0.12	100	0.12	mg/kg	0.011	U	0.012	U	0.012	U	0.011	U	0.012	U	0.012	U
2-Hexanone	NC	NC	NC	mg/kg	0.011	U	0.012	U	0.012	U	0.011	U	0.012	U	0.012	U
4-Methyl-2-pentanone	NC	NC	NC	mg/kg	0.011	U	0.012	U	0.012	U	0.011	U	0.012	U	0.012	U
Acetone	0.05	100	0.05	mg/kg	0.011	U	0.012	U	0.012	U	0.011	U	0.0069	J	0.012	U
Acrylonitrile	NC	NC	NC	mg/kg	0.0046	U	0.005	U	0.0048	U	0.0043	U	0.0046	U	0.0048	U
Benzene	0.06	4.8	0.06	mg/kg	0.00057	U	0.00063	U	0.0006	U	0.00054	U	0.00058	U	0.00059	U
Bromobenzene	NC	NC	NC	mg/kg	0.0023	U	0.0025	U	0.0024	U	0.0022	U	0.0023	U	0.0024	U
Bromochloromethane	NC	NC	NC	mg/kg	0.0023	U	0.0025	U	0.0024	U	0.0022	U	0.0023	U	0.0024	U
Bromodichloromethane	NC	NC	NC	mg/kg	0.00057	U	0.00063	U	0.0006	U	0.00054	U	0.00058	U	0.00059	U
Bromoform	NC	NC	NC	mg/kg	0.0046	U	0.005	U	0.0048	U	0.0043	U	0.0046	U	0.0048	U
Bromomethane	NC	NC	NC	mg/kg	0.0023	U	0.0025	U	0.0024	U	0.0022	U	0.0023	U	0.0024	U
Carbon disulfide	NC	NC	NC	mg/kg	0.011	U	0.012	U	0.012	U	0.011	U	0.008	J	0.012	U
Carbon tetrachloride	0.76	2.4	0.76	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U
Chlorobenzene	1.1	100	1.1	mg/kg	0.00057	U	0.00063	U	0.0006	U	0.00054	U	0.00058	U	0.00059	U
Chloroethane	NC	NC	NC	mg/kg	0.0023	U	0.0025	U	0.0024	U	0.0022	U	0.0023	U	0.0024	U
Chloroform	0.37	49	0.37	mg/kg	0.0017	U	0.0019	U	0.0018	U	0.0016	U	0.0017	U	0.0018	U
Chloromethane	NC	NC	NC	mg/kg	0.0046	U	0.005	U	0.0048	U	0.0043	U	0.0046	U	0.0048	U
cis-1,2-Dichloroethene	0.25	100	0.25	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U
cis-1,3-Dichloropropene	NC	NC	NC	mg/kg	0.00057	U	0.00063	U	0.0006	U	0.00054	U	0.00058	U	0.00059	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

			LOCATION		SB-18 (12.5-13)		SB-17 (4.5-5)		SB-17 (8-8.5)		SB-17 (12.5-13)		DUP-1		DUP-2	
			SAMPLING DATE		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020	
			LAB SAMPLE ID		L2046926-18		L2046926-19		L2046926-20		L2046926-21		L2046926-22		L2046926-23	
			SAMPLE TYPE		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	PGW	RRSCO	USCO	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Volatile Organics by EPA 5035																
Dibromochloromethane	NC	NC	NC	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U
Dibromomethane	NC	NC	NC	mg/kg	0.0023	U	0.0025	U	0.0024	U	0.0022	U	0.0023	U	0.0024	U
Dichlorodifluoromethane	NC	NC	NC	mg/kg	0.011	U	0.012	U	0.012	U	0.011	U	0.012	U	0.012	U
Ethyl ether	NC	NC	NC	mg/kg	0.0023	U	0.0025	U	0.0024	U	0.0022	U	0.0023	U	0.0024	U
Ethylbenzene	1	41	1	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U
Hexachlorobutadiene	NC	NC	NC	mg/kg	0.0046	U	0.005	U	0.0048	U	0.0043	U	0.0046	U	0.0048	U
Isopropylbenzene	NC	NC	NC	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U
Methyl tert butyl ether	0.93	100	0.93	mg/kg	0.0023	U	0.0025	U	0.0024	U	0.0022	U	0.0023	U	0.0024	U
Methylene chloride	0.05	100	0.05	mg/kg	0.0057	U	0.0063	U	0.006	U	0.0054	U	0.0058	U	0.0059	U
n-Butylbenzene	12	100	12	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U
n-Propylbenzene	3.9	100	3.9	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U
Naphthalene	12	100	12	mg/kg	0.0046	U	0.005	U	0.0048	U	0.0043	U	0.0046	U	0.0048	U
o-Chlorotoluene	NC	NC	NC	mg/kg	0.0023	U	0.0025	U	0.0024	U	0.0022	U	0.0023	U	0.0024	U
o-Xylene	NC	NC	NC	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U
p-Chlorotoluene	NC	NC	NC	mg/kg	0.0023	U	0.0025	U	0.0024	U	0.0022	U	0.0023	U	0.0024	U
p-Diethylbenzene	NC	NC	NC	mg/kg	0.0023	U	0.0025	U	0.0024	U	0.0022	U	0.0023	U	0.0024	U
p-Ethyltoluene	NC	NC	NC	mg/kg	0.0023	U	0.0025	U	0.0024	U	0.0022	U	0.0023	U	0.0024	U
p-Isopropyltoluene	NC	NC	NC	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U
p/m-Xylene	NC	NC	NC	mg/kg	0.0023	U	0.0025	U	0.0024	U	0.0022	U	0.0023	U	0.0024	U
sec-Butylbenzene	11	100	11	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U
Styrene	NC	NC	NC	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.00023	J
tert-Butylbenzene	5.9	100	5.9	mg/kg	0.0023	U	0.0025	U	0.0024	U	0.0022	U	0.0023	U	0.0024	U
Tetrachloroethene	1.3	19	1.3	mg/kg	0.00057	U	0.00063	U	0.0006	U	0.00054	U	0.00058	U	0.00059	U
Toluene	0.7	100	0.7	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U
trans-1,2-Dichloroethene	0.19	100	0.19	mg/kg	0.0017	U	0.0019	U	0.0018	U	0.0016	U	0.0017	U	0.0018	U
trans-1,3-Dichloropropene	NC	NC	NC	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U
trans-1,4-Dichloro-2-butene	NC	NC	NC	mg/kg	0.0057	U	0.0063	U	0.006	U	0.0054	U	0.0058	U	0.0059	U
Trichloroethene	0.47	21	0.47	mg/kg	0.00057	U	0.00063	U	0.0006	U	0.00054	U	0.00058	U	0.00059	U
Trichlorofluoromethane	NC	NC	NC	mg/kg	0.0046	U	0.005	U	0.0048	U	0.0043	U	0.0046	U	0.0048	U
Vinyl acetate	NC	NC	NC	mg/kg	0.011	U	0.012	U	0.012	U	0.011	U	0.012	U	0.012	U
Vinyl chloride	0.02	0.9	0.02	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U
Xylenes, Total	1.6	100	0.26	mg/kg	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0012	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SB-15 (3-3.5)(OER		SB-15 (7.5-8.0)(OER		SB-15 (14-14.5)(OER		SB-16 (2.5-3.0)(OER		SB-16 (8-8.5)(OER		SB-16 (12-12.5)(OER		SB-17 (4-4.5)(OER		SB-17 (9-9.5)(OER	
				SAMPLING DATE	9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020	
				LAB SAMPLE ID	L2040027-01		L2040027-02		L2040027-03		L2040027-04		L2040027-05		L2040027-06		L2040027-07		L2040027-08	
				SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Semivolatile Organics by GC/MS																				
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	mg/kg	3.9	U	0.19	U	0.2	U	0.19	U	0.17	U	0.2	U	0.17	U	0.19	U
1,2,4-Trichlorobenzene	NC	NC	NC	mg/kg	3.9	U	0.19	U	0.2	U	0.19	U	0.17	U	0.2	U	0.17	U	0.19	U
1,2-Dichlorobenzene	1.1	100	1.1	mg/kg	3.9	U	0.19	U	0.2	U	0.19	U	0.17	U	0.2	U	0.17	U	0.19	U
1,3-Dichlorobenzene	2.4	49	2.4	mg/kg	3.9	U	0.19	U	0.2	U	0.19	U	0.17	U	0.2	U	0.17	U	0.19	U
1,4-Dichlorobenzene	1.8	13	1.8	mg/kg	3.9	U	0.19	U	0.2	U	0.19	U	0.17	U	0.2	U	0.17	U	0.19	U
1,4-Dioxane	0.1	13	0.1	mg/kg	0.58	U	0.028	U	0.03	U	0.029	U	0.025	U	0.03	U	0.026	U	0.028	U
2,4,5-Trichlorophenol	NC	NC	NC	mg/kg	3.9	U	0.19	U	0.2	U	0.19	U	0.17	U	0.2	U	0.17	U	0.19	U
2,4,6-Trichlorophenol	NC	NC	NC	mg/kg	2.3	U	0.11	U	0.12	U	0.12	U	0.1	U	0.12	U	0.1	U	0.11	U
2,4-Dichlorophenol	NC	NC	NC	mg/kg	3.5	U	0.17	U	0.18	U	0.18	U	0.15	U	0.18	U	0.15	U	0.17	U
2,4-Dimethylphenol	NC	NC	NC	mg/kg	3.9	U	0.19	U	0.2	U	0.19	U	0.17	U	0.2	U	0.17	U	0.19	U
2,4-Dinitrophenol	NC	NC	NC	mg/kg	19	U	0.9	U	0.97	U	0.93	U	0.81	U	0.96	U	0.82	U	0.9	U
2,4-Dinitrotoluene	NC	NC	NC	mg/kg	3.9	U	0.19	U	0.2	U	0.19	U	0.17	U	0.2	U	0.17	U	0.19	U
2,6-Dinitrotoluene	NC	NC	NC	mg/kg	3.9	U	0.19	U	0.2	U	0.19	U	0.17	U	0.2	U	0.17	U	0.19	U
2-Chloronaphthalene	NC	NC	NC	mg/kg	3.9	U	0.19	U	0.2	U	0.19	U	0.17	U	0.2	U	0.17	U	0.19	U
2-Chlorophenol	NC	NC	NC	mg/kg	3.9	U	0.19	U	0.2	U	0.19	U	0.17	U	0.2	U	0.17	U	0.19	U
2-Methylnaphthalene	NC	NC	NC	mg/kg	1.8	J	0.22	U	0.24	U	0.035	J	0.2	U	0.24	U	0.2	U	0.22	U
2-Methylphenol	0.33	100	0.33	mg/kg	3.9	U	0.19	U	0.2	U	0.19	U	0.17	U	0.2	U	0.17	U	0.19	U
2-Nitroaniline	NC	NC	NC	mg/kg	3.9	U	0.19	U	0.2	U	0.19	U	0.17	U	0.2	U	0.17	U	0.19	U
2-Nitrophenol	NC	NC	NC	mg/kg	8.4	U	0.4	U	0.44	U	0.42	U	0.36	U	0.43	U	0.37	U	0.4	U
3,3'-Dichlorobenzidine	NC	NC	NC	mg/kg	3.9	U	0.19	U	0.2	U	0.19	U	0.17	U	0.2	U	0.17	U	0.19	U
3-Methylphenol/4-Methylphenol	0.33	100	0.33	mg/kg	5.6	U	0.27	U	0.29	U	0.28	U	0.24	U	0.29	U	0.24	U	0.27	U
3-Nitroaniline	NC	NC	NC	mg/kg	3.9	U	0.19	U	0.2	U	0.19	U	0.17	U	0.2	U	0.17	U	0.19	U
4,6-Dinitro-o-cresol	NC	NC	NC	mg/kg	10	U	0.49	U	0.53	U	0.51	U	0.44	U	0.52	U	0.44	U	0.48	U
4-Bromophenyl phenyl ether	NC	NC	NC	mg/kg	3.9	U	0.19	U	0.2	U	0.19	U	0.17	U	0.2	U	0.17	U	0.19	U
4-Chloroaniline	NC	NC	NC	mg/kg	3.9	U	0.19	U	0.2	U	0.19	U	0.17	U	0.2	U	0.17	U	0.19	U
4-Chlorophenyl phenyl ether	NC	NC	NC	mg/kg	3.9	U	0.19	U	0.2	U	0.19	U	0.17	U	0.2	U	0.17	U	0.19	U
4-Nitroaniline	NC	NC	NC	mg/kg	3.9	U	0.19	U	0.2	U	0.19	U	0.17	U	0.2	U	0.17	U	0.19	U
4-Nitrophenol	NC	NC	NC	mg/kg	5.4	U	0.26	U	0.28	U	0.27	U	0.24	U	0.28	U	0.24	U	0.26	U
Acenaphthene	20	100	98	mg/kg	7.1		0.15	U	0.16	U	0.18		0.13	U	0.16	U	0.14	U	0.15	U
Acenaphthylene	100	100	107	mg/kg	2.8	J	0.15	U	0.16	U	0.052	J	0.13	U	0.16	U	0.14	U	0.15	U
Acetophenone	NC	NC	NC	mg/kg	3.9	U	0.19	U	0.2	U	0.19	U	0.17	U	0.2	U	0.17	U	0.19	U
Anthracene	100	100	1000	mg/kg	24		0.11	U	0.12	U	0.51		0.1	U	0.12	U	0.1	U	0.11	U
Benzo(a)anthracene	1	1	1	mg/kg	52		0.11	U	0.12	U	1.6		0.1	U	0.12	U	0.04	J	0.11	U
Benzo(a)pyrene	1	1	22	mg/kg	50		0.15	U	0.16	U	1.7		0.13	U	0.16	U	0.14	U	0.15	U
Benzo(b)fluoranthene	1	1	1.7	mg/kg	57		0.11	U	0.12	U	2		0.1	U	0.12	U	0.046	J	0.11	U
Benzo(ghi)perylene	100	100	1000	mg/kg	29		0.15	U	0.16	U	0.97		0.13	U	0.16	U	0.023	J	0.15	U
Benzo(k)fluoranthene	0.8	3.9	1.7	mg/kg	22		0.11	U	0.12	U	0.56		0.1	U	0.12	U	0.1	U	0.11	U
Benzoic Acid	NC	NC	NC	mg/kg	13	U	0.61	U	0.66	U	0.63	U	0.55	U	0.65	U	0.55	U	0.6	U
Benzyl Alcohol	NC	NC	NC	mg/kg	3.9	U	0.19	U	0.2	U	0.19	U	0.17	U	0.2	U	0.17	U	0.19	U
Biphenyl	NC	NC	NC	mg/kg	8.9	U	0.43	U	0.46	U	0.44	U	0.38	U	0.46	U	0.39	U	0.42	U
Bis(2-chloroethoxy)methane	NC	NC	NC	mg/kg	4.2	U	0.2	U	0.22	U	0.21	U	0.18	U	0.22	U	0.18	U	0.2	U
Bis(2-chloroethyl)ether	NC	NC	NC	mg/kg	3.5	U	0.17	U	0.18	U	0.18	U	0.15	U	0.18	U	0.15	U	0.17	U
Bis(2-chloroisopropyl)ether	NC	NC	NC	mg/kg	4.7	U	0.22	U	0.24	U	0.23	U	0.2	U	0.24	U	0.2	U	0.22	U
Bis(2-ethylhexyl)phthalate	NC	NC	NC	mg/kg	3.9	U	0.19	U	0.2	U	0.19	U	0.17	U	0.2	U	0.17	U	0.19	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

					LOCATION	SB-15 (3-3.5)(OER		SB-15 (7.5-8.0)(OER		SB-15 (14-14.5)(OER		SB-16 (2.5-3.0)(OER		SB-16 (8-8.5)(OER		SB-16 (12-12.5)(OER		SB-17 (4-4.5)(OER		SB-17 (9-9.5)(OER	
					SAMPLING DATE	9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020	
					LAB SAMPLE ID	L2040027-01		L2040027-02		L2040027-03		L2040027-04		L2040027-05		L2040027-06		L2040027-07		L2040027-08	
					SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units		Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Semivolatile Organics by GC/MS																					
Butyl benzyl phthalate	NC	NC	NC	mg/kg		3.9	U	0.19	U	0.2	U	0.19	U	0.17	U	0.2	U	0.17	U	0.19	U
Carbazole	NC	NC	NC	mg/kg		7.7		0.19	U	0.2	U	0.25		0.17	U	0.2	U	0.17	U	0.19	U
Chrysene	1	3.9	1	mg/kg		45		0.11	U	0.12	U	1.5		0.1	U	0.12	U	0.043	J	0.11	U
Di-n-butylphthalate	NC	NC	NC	mg/kg		3.9	U	0.19	U	0.2	U	0.19	U	0.17	U	0.2	U	0.17	U	0.19	U
Di-n-octylphthalate	NC	NC	NC	mg/kg		3.9	U	0.19	U	0.2	U	0.19	U	0.17	U	0.2	U	0.17	U	0.19	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	mg/kg		7		0.11	U	0.12	U	0.22		0.1	U	0.12	U	0.1	U	0.11	U
Dibenzofuran	7	59	210	mg/kg		5.6		0.19	U	0.2	U	0.072	J	0.17	U	0.2	U	0.17	U	0.19	U
Diethyl phthalate	NC	NC	NC	mg/kg		3.9	U	0.19	U	0.2	U	0.19	U	0.17	U	0.2	U	0.17	U	0.19	U
Dimethyl phthalate	NC	NC	NC	mg/kg		3.9	U	0.19	U	0.2	U	0.19	U	0.17	U	0.2	U	0.17	U	0.19	U
Fluoranthene	100	100	1000	mg/kg		90		0.11	U	0.12	U	3.2		0.1	U	0.12	U	0.059	J	0.11	U
Fluorene	30	100	386	mg/kg		8.4		0.19	U	0.2	U	0.14	J	0.17	U	0.2	U	0.17	U	0.19	U
Hexachlorobenzene	0.33	1.2	3.2	mg/kg		2.3	U	0.11	U	0.12	U	0.12	U	0.1	U	0.12	U	0.1	U	0.11	U
Hexachlorobutadiene	NC	NC	NC	mg/kg		3.9	U	0.19	U	0.2	U	0.19	U	0.17	U	0.2	U	0.17	U	0.19	U
Hexachlorocyclopentadiene	NC	NC	NC	mg/kg		11	U	0.54	U	0.58	U	0.56	U	0.48	U	0.57	U	0.49	U	0.53	U
Hexachloroethane	NC	NC	NC	mg/kg		3.1	U	0.15	U	0.16	U	0.16	U	0.13	U	0.16	U	0.14	U	0.15	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	mg/kg		29		0.15	U	0.16	U	1		0.13	U	0.16	U	0.14	U	0.15	U
Isophorone	NC	NC	NC	mg/kg		3.5	U	0.17	U	0.18	U	0.18	U	0.15	U	0.18	U	0.15	U	0.17	U
n-Nitrosodi-n-propylamine	NC	NC	NC	mg/kg		3.9	U	0.19	U	0.2	U	0.19	U	0.17	U	0.2	U	0.17	U	0.19	U
Naphthalene	12	100	12	mg/kg		4.7		0.19	U	0.2	U	0.072	J	0.17	U	0.2	U	0.17	U	0.19	U
NDPA/DPA	NC	NC	NC	mg/kg		3.1	U	0.15	U	0.16	U	0.16	U	0.13	U	0.16	U	0.14	U	0.15	U
Nitrobenzene	NC	NC	NC	mg/kg		3.5	U	0.17	U	0.18	U	0.18	U	0.15	U	0.18	U	0.15	U	0.17	U
p-Chloro-m-cresol	NC	NC	NC	mg/kg		3.9	U	0.19	U	0.2	U	0.19	U	0.17	U	0.2	U	0.17	U	0.19	U
Pentachlorophenol	0.8	6.7	0.8	mg/kg		3.1	U	0.15	U	0.16	U	0.16	U	0.13	U	0.16	U	0.14	U	0.15	U
Phenanthrene	100	100	1000	mg/kg		76		0.11	U	0.12	U	2.2		0.1	U	0.12	U	0.057	J	0.11	U
Phenol	0.33	100	0.33	mg/kg		3.9	U	0.19	U	0.2	U	0.19	U	0.17	U	0.2	U	0.17	U	0.19	U
Pyrene	100	100	1000	mg/kg		84		0.11	U	0.12	U	3		0.1	U	0.12	U	0.062	J	0.11	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SB-17 (10-10.5)(OER		SB-18 (3.5-4.0)(OER		SB-18 (7-7.5)(OER		SB-19 (2.5-3.0)(OER		SB-19 (7.5-8.0)(OER		SB-19 (10-10.5)(OER		SB-20 (4.5-5.0)(OER		SB-20 (6.5-7.0)(OER	
				SAMPLING DATE	9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020	
				LAB SAMPLE ID	L2040027-09		L2040027-10		L2040027-11		L2040027-12		L2040027-13		L2040027-14		L2040027-15		L2040027-16	
				SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Semivolatile Organics by GC/MS																				
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	mg/kg	0.19	U	1	U	0.2	U	1.8	U	2.1	U	0.98	U	3.7	U	0.18	U
1,2,4-Trichlorobenzene	NC	NC	NC	mg/kg	0.19	U	1	U	0.2	U	1.8	U	2.1	U	0.98	U	3.7	U	0.18	U
1,2-Dichlorobenzene	1.1	100	1.1	mg/kg	0.19	U	1	U	0.2	U	1.8	U	2.1	U	0.98	U	3.7	U	0.18	U
1,3-Dichlorobenzene	2.4	49	2.4	mg/kg	0.19	U	1	U	0.2	U	1.8	U	2.1	U	0.98	U	3.7	U	0.18	U
1,4-Dichlorobenzene	1.8	13	1.8	mg/kg	0.19	U	1	U	0.2	U	1.8	U	2.1	U	0.98	U	3.7	U	0.18	U
1,4-Dioxane	0.1	13	0.1	mg/kg	0.029	U	0.15	U	0.03	U	0.27	U	0.31	U	0.15	U	0.56	U	0.027	U
2,4,5-Trichlorophenol	NC	NC	NC	mg/kg	0.19	U	1	U	0.2	U	1.8	U	2.1	U	0.98	U	3.7	U	0.18	U
2,4,6-Trichlorophenol	NC	NC	NC	mg/kg	0.12	U	0.62	U	0.12	U	1.1	U	1.2	U	0.59	U	2.2	U	0.11	U
2,4-Dichlorophenol	NC	NC	NC	mg/kg	0.17	U	0.92	U	0.18	U	1.6	U	1.9	U	0.88	U	3.4	U	0.16	U
2,4-Dimethylphenol	NC	NC	NC	mg/kg	0.19	U	1	U	0.2	U	1.8	U	2.1	U	0.98	U	3.7	U	0.18	U
2,4-Dinitrophenol	NC	NC	NC	mg/kg	0.93	U	4.9	U	0.96	U	8.6	U	9.9	U	4.7	U	18	U	0.86	U
2,4-Dinitrotoluene	NC	NC	NC	mg/kg	0.19	U	1	U	0.2	U	1.8	U	2.1	U	0.98	U	3.7	U	0.18	U
2,6-Dinitrotoluene	NC	NC	NC	mg/kg	0.19	U	1	U	0.2	U	1.8	U	2.1	U	0.98	U	3.7	U	0.18	U
2-Chloronaphthalene	NC	NC	NC	mg/kg	0.19	U	1	U	0.2	U	1.8	U	2.1	U	0.98	U	3.7	U	0.18	U
2-Chlorophenol	NC	NC	NC	mg/kg	0.19	U	1	U	0.2	U	1.8	U	2.1	U	0.98	U	3.7	U	0.18	U
2-Methylnaphthalene	NC	NC	NC	mg/kg	0.23	U	1.2	U	0.24	U	2.2	U	2.5	U	0.26	J	7.7		0.21	U
2-Methylphenol	0.33	100	0.33	mg/kg	0.19	U	1	U	0.2	U	1.8	U	2.1	U	0.98	U	3.7	U	0.18	U
2-Nitroaniline	NC	NC	NC	mg/kg	0.19	U	1	U	0.2	U	1.8	U	2.1	U	0.98	U	3.7	U	0.18	U
2-Nitrophenol	NC	NC	NC	mg/kg	0.42	U	2.2	U	0.43	U	3.9	U	4.5	U	2.1	U	8.1	U	0.39	U
3,3'-Dichlorobenzidine	NC	NC	NC	mg/kg	0.19	U	1	U	0.2	U	1.8	U	2.1	U	0.98	U	3.7	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	100	0.33	mg/kg	0.28	U	1.5	U	0.29	U	2.6	U	3	U	1.4	U	0.77	J	0.26	U
3-Nitroaniline	NC	NC	NC	mg/kg	0.19	U	1	U	0.2	U	1.8	U	2.1	U	0.98	U	3.7	U	0.18	U
4,6-Dinitro-o-cresol	NC	NC	NC	mg/kg	0.5	U	2.7	U	0.52	U	4.6	U	5.4	U	2.6	U	9.7	U	0.46	U
4-Bromophenyl phenyl ether	NC	NC	NC	mg/kg	0.19	U	1	U	0.2	U	1.8	U	2.1	U	0.98	U	3.7	U	0.18	U
4-Chloroaniline	NC	NC	NC	mg/kg	0.19	U	1	U	0.2	U	1.8	U	2.1	U	0.98	U	3.7	U	0.18	U
4-Chlorophenyl phenyl ether	NC	NC	NC	mg/kg	0.19	U	1	U	0.2	U	1.8	U	2.1	U	0.98	U	3.7	U	0.18	U
4-Nitroaniline	NC	NC	NC	mg/kg	0.19	U	1	U	0.2	U	1.8	U	2.1	U	0.98	U	3.7	U	0.18	U
4-Nitrophenol	NC	NC	NC	mg/kg	0.27	U	1.4	U	0.28	U	2.5	U	2.9	U	1.4	U	5.2	U	0.25	U
Acenaphthene	20	100	98	mg/kg	0.049	J	0.14	J	0.16	U	0.28	J	1.7		0.68	J	15		0.043	J
Acenaphthylene	100	100	107	mg/kg	0.047	J	0.61	J	0.16	U	0.91	J	1.6	U	0.8		3.8		0.14	U
Acetophenone	NC	NC	NC	mg/kg	0.19	U	1	U	0.2	U	1.8	U	2.1	U	0.98	U	3.7	U	0.18	U
Anthracene	100	100	1000	mg/kg	0.2		1.6		0.12	U	1.5		1.2	U	2.4		38		0.11	
Benzo(a)anthracene	1	1	1	mg/kg	0.73		6.7		0.12	U	5.2		1.2	U	5.2		58		0.17	
Benzo(a)pyrene	1	1	22	mg/kg	0.75		6.1		0.16	U	5.3		1.6	U	4.5		50		0.13	J
Benzo(b)fluoranthene	1	1	1.7	mg/kg	0.83		7.4		0.12	U	6.5		1.2	U	5.8		59		0.16	
Benzo(ghi)perylene	100	100	1000	mg/kg	0.66		3.4		0.16	U	3.8		1.6	U	2.9		25		0.077	J
Benzo(k)fluoranthene	0.8	3.9	1.7	mg/kg	0.24		2.2		0.12	U	2.4		1.2	U	1.6		17		0.066	J
Benzoic Acid	NC	NC	NC	mg/kg	0.63	U	3.3	U	0.64	U	5.8	U	6.7	U	3.2	U	12	U	0.58	U
Benzyl Alcohol	NC	NC	NC	mg/kg	0.19	U	1	U	0.2	U	1.8	U	2.1	U	0.98	U	3.7	U	0.18	U
Biphenyl	NC	NC	NC	mg/kg	0.44	U	2.3	U	0.45	U	4.1	U	4.7	U	2.2	U	2.1	J	0.41	U
Bis(2-chloroethoxy)methane	NC	NC	NC	mg/kg	0.21	U	1.1	U	0.22	U	1.9	U	2.2	U	1.1	U	4	U	0.19	U
Bis(2-chloroethyl)ether	NC	NC	NC	mg/kg	0.17	U	0.92	U	0.18	U	1.6	U	1.9	U	0.88	U	3.4	U	0.16	U
Bis(2-chloroisopropyl)ether	NC	NC	NC	mg/kg	0.23	U	1.2	U	0.24	U	2.2	U	2.5	U	1.2	U	4.5	U	0.21	U
Bis(2-ethylhexyl)phthalate	NC	NC	NC	mg/kg	0.19	U	1	U	0.2	U	1.3	J	2.1	U	17		3.7	U	0.18	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

					LOCATION	SB-17 (10-10.5)(OER		SB-18 (3.5-4.0)(OER		SB-18 (7-7.5)(OER		SB-19 (2.5-3.0)(OER		SB-19 (7.5-8.0)(OER		SB-19 (10-10.5)(OER		SB-20 (4.5-5.0)(OER		SB-20 (6.5-7.0)(OER	
					SAMPLING DATE	9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020	
					LAB SAMPLE ID	L2040027-09		L2040027-10		L2040027-11		L2040027-12		L2040027-13		L2040027-14		L2040027-15		L2040027-16	
					SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units		Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Semivolatile Organics by GC/MS																					
Butyl benzyl phthalate	NC	NC	NC	mg/kg		0.19	U	1	U	0.2	U	21		2.1	U	0.98	U	3.7	U	0.18	U
Carbazole	NC	NC	NC	mg/kg		0.084	J	0.25	J	0.2	U	0.51	J	2.1	U	1.2		12		0.036	J
Chrysene	1	3.9	1	mg/kg		0.72		5.5		0.12	U	5		1.2	U	4.4		53		0.14	
Di-n-butylphthalate	NC	NC	NC	mg/kg		0.19	U	1	U	0.2	U	1.8	U	2.1	U	0.98	U	3.7	U	0.18	U
Di-n-octylphthalate	NC	NC	NC	mg/kg		0.19	U	1	U	0.2	U	1.8	U	2.1	U	0.98	U	3.7	U	0.18	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	mg/kg		0.12		1		0.12	U	1	J	1.2	U	0.82		6.6		0.11	U
Dibenzofuran	7	59	210	mg/kg		0.037	J	0.12	J	0.2	U	0.28	J	2.1	U	0.54	J	14		0.042	J
Diethyl phthalate	NC	NC	NC	mg/kg		0.19	U	1	U	0.2	U	1.8	U	2.1	U	0.98	U	3.7	U	0.18	U
Dimethyl phthalate	NC	NC	NC	mg/kg		0.19	U	1	U	0.2	U	1.8	U	2.1	U	0.98	U	3.7	U	0.18	U
Fluoranthene	100	100	1000	mg/kg		1.4		10		0.12	U	9.5		0.27	J	10		130		0.37	
Fluorene	30	100	386	mg/kg		0.069	J	0.24	J	0.2	U	0.5	J	2.1	U	0.94	J	23		0.073	J
Hexachlorobenzene	0.33	1.2	3.2	mg/kg		0.12	U	0.62	U	0.12	U	1.1	U	1.2	U	0.59	U	2.2	U	0.11	U
Hexachlorobutadiene	NC	NC	NC	mg/kg		0.19	U	1	U	0.2	U	1.8	U	2.1	U	0.98	U	3.7	U	0.18	U
Hexachlorocyclopentadiene	NC	NC	NC	mg/kg		0.55	U	2.9	U	0.57	U	5.1	U	5.9	U	2.8	U	11	U	0.51	U
Hexachloroethane	NC	NC	NC	mg/kg		0.16	U	0.82	U	0.16	U	1.4	U	1.6	U	0.79	U	3	U	0.14	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	mg/kg		0.45		3.4		0.16	U	3.5		1.6	U	2.9		24		0.085	J
Isophorone	NC	NC	NC	mg/kg		0.17	U	0.92	U	0.18	U	1.6	U	1.9	U	0.88	U	3.4	U	0.16	U
n-Nitrosodi-n-propylamine	NC	NC	NC	mg/kg		0.19	U	1	U	0.2	U	1.8	U	2.1	U	0.98	U	3.7	U	0.18	U
Naphthalene	12	100	12	mg/kg		0.031	J	0.22	J	0.2	U	0.31	J	0.54	J	0.47	J	16		0.044	J
NDPA/DPA	NC	NC	NC	mg/kg		0.16	U	0.82	U	0.16	U	1.4	U	1.6	U	0.79	U	3	U	0.14	U
Nitrobenzene	NC	NC	NC	mg/kg		0.17	U	0.92	U	0.18	U	1.6	U	1.9	U	0.88	U	3.4	U	0.16	U
p-Chloro-m-cresol	NC	NC	NC	mg/kg		0.19	U	1	U	0.2	U	1.8	U	2.1	U	0.98	U	3.7	U	0.18	U
Pentachlorophenol	0.8	6.7	0.8	mg/kg		0.16	U	0.82	U	0.16	U	1.4	U	1.6	U	0.79	U	3	U	0.14	U
Phenanthrene	100	100	1000	mg/kg		1		4.2		0.12	U	5.2		1.2	U	8.8		140		0.43	
Phenol	0.33	100	0.33	mg/kg		0.19	U	1	U	0.2	U	1.8	U	2.1	U	0.98	U	0.6	J	0.18	U
Pyrene	100	100	1000	mg/kg		1.3		9.6		0.12	U	8.6		1	J	8.7		110		0.31	

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SB-20 (11-11.5)(OER		SB-21 (3-3.5)(OER		SB-21 (9-9.5)(OER		SB-21 (12-12.5)(OER		SB-22 (4.5-5.0)(OER		SB-22 (4.5-5.0)(OER		SB-22 (7.5-8.0)(OER		SB-22 (11-11.5)(OER	
				SAMPLING DATE	9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020	
				LAB SAMPLE ID	L2040027-17		L2040027-18		L2040027-19		L2040027-20		L2040027-21		L2040027-21 R1		L2040027-22		L2040027-23	
				SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Semivolatile Organics by GC/MS																				
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	mg/kg	0.2	U	0.92	U	1	U	0.19	U	0.17	U	0.17	U	0.18	U	0.19	U
1,2,4-Trichlorobenzene	NC	NC	NC	mg/kg	0.2	U	0.92	U	1	U	0.19	U	0.17	U	0.17	U	0.18	U	0.19	U
1,2-Dichlorobenzene	1.1	100	1.1	mg/kg	0.2	U	0.92	U	1	U	0.19	U	0.17	U	0.17	U	0.18	U	0.19	U
1,3-Dichlorobenzene	2.4	49	2.4	mg/kg	0.2	U	0.92	U	1	U	0.19	U	0.17	U	0.17	U	0.18	U	0.19	U
1,4-Dichlorobenzene	1.8	13	1.8	mg/kg	0.2	U	0.92	U	1	U	0.19	U	0.17	U	0.17	U	0.18	U	0.19	U
1,4-Dioxane	0.1	13	0.1	mg/kg	0.03	U	0.14	U	0.15	U	0.029	U	0.026	U	0.026	U	0.026	U	0.029	U
2,4,5-Trichlorophenol	NC	NC	NC	mg/kg	0.2	U	0.92	U	1	U	0.19	U	0.17	U	0.17	U	0.18	U	0.19	U
2,4,6-Trichlorophenol	NC	NC	NC	mg/kg	0.12	U	0.55	U	0.6	U	0.12	U	0.1	U	0.1	U	0.1	U	0.12	U
2,4-Dichlorophenol	NC	NC	NC	mg/kg	0.18	U	0.83	U	0.9	U	0.17	U	0.16	U	0.16	U	0.16	U	0.17	U
2,4-Dimethylphenol	NC	NC	NC	mg/kg	0.2	U	0.92	U	1	U	0.19	U	0.17	U	0.17	U	0.18	U	0.19	U
2,4-Dinitrophenol	NC	NC	NC	mg/kg	0.94	U	4.4	U	4.8	U	0.93	U	0.83	U	0.84	U	0.84	U	0.92	U
2,4-Dinitrotoluene	NC	NC	NC	mg/kg	0.2	U	0.92	U	1	U	0.19	U	0.17	U	0.17	U	0.18	U	0.19	U
2,6-Dinitrotoluene	NC	NC	NC	mg/kg	0.2	U	0.92	U	1	U	0.19	U	0.17	U	0.17	U	0.18	U	0.19	U
2-Chloronaphthalene	NC	NC	NC	mg/kg	0.2	U	0.92	U	1	U	0.19	U	0.17	U	0.17	U	0.18	U	0.19	U
2-Chlorophenol	NC	NC	NC	mg/kg	0.2	U	0.92	U	1	U	0.19	U	0.17	U	0.17	U	0.18	U	0.19	U
2-Methylnaphthalene	NC	NC	NC	mg/kg	0.24	U	1.1	U	0.21	J	0.23	U	0.051	J	0.043	J	0.21	U	0.23	U
2-Methylphenol	0.33	100	0.33	mg/kg	0.2	U	0.92	U	1	U	0.19	U	0.17	U	0.17	U	0.18	U	0.19	U
2-Nitroaniline	NC	NC	NC	mg/kg	0.2	U	0.92	U	1	U	0.19	U	0.17	U	0.17	U	0.18	U	0.19	U
2-Nitrophenol	NC	NC	NC	mg/kg	0.42	U	2	U	2.2	U	0.42	U	0.37	U	0.38	U	0.38	U	0.41	U
3,3'-Dichlorobenzidine	NC	NC	NC	mg/kg	0.2	U	0.92	U	1	U	0.19	U	0.17	U	0.17	U	0.18	U	0.19	U
3-Methylphenol/4-Methylphenol	0.33	100	0.33	mg/kg	0.28	U	1.3	U	1.4	U	0.28	U	0.25	U	0.25	U	0.25	U	0.28	U
3-Nitroaniline	NC	NC	NC	mg/kg	0.2	U	0.92	U	1	U	0.19	U	0.17	U	0.17	U	0.18	U	0.19	U
4,6-Dinitro-o-cresol	NC	NC	NC	mg/kg	0.51	U	2.4	U	2.6	U	0.5	U	0.45	U	0.45	U	0.46	U	0.5	U
4-Bromophenyl phenyl ether	NC	NC	NC	mg/kg	0.2	U	0.92	U	1	U	0.19	U	0.17	U	0.17	U	0.18	U	0.19	U
4-Chloroaniline	NC	NC	NC	mg/kg	0.2	U	0.92	U	1	U	0.19	U	0.17	U	0.17	U	0.18	U	0.19	U
4-Chlorophenyl phenyl ether	NC	NC	NC	mg/kg	0.2	U	0.92	U	1	U	0.19	U	0.17	U	0.17	U	0.18	U	0.19	U
4-Nitroaniline	NC	NC	NC	mg/kg	0.2	U	0.92	U	1	U	0.19	U	0.17	U	0.17	U	0.18	U	0.19	U
4-Nitrophenol	NC	NC	NC	mg/kg	0.28	U	1.3	U	1.4	U	0.27	U	0.24	U	0.24	U	0.25	U	0.27	U
Acenaphthene	20	100	98	mg/kg	0.16	U	0.74	U	0.45	J	0.063	J	0.058	J	0.06	J	0.14	U	0.15	U
Acenaphthylene	100	100	107	mg/kg	0.16	U	0.74	U	0.27	J	0.092	J	0.087	J	0.066	J	0.14	U	0.15	U
Acetophenone	NC	NC	NC	mg/kg	0.2	U	0.92	U	1	U	0.19	U	0.17	U	0.17	U	0.18	U	0.19	U
Anthracene	100	100	1000	mg/kg	0.12	U	0.2	J	1.8		0.29		0.21		0.18		0.1	U	0.12	U
Benzo(a)anthracene	1	1	1	mg/kg	0.12	U	0.62		3.3		0.74		0.62		0.47		0.1	U	0.12	U
Benzo(a)pyrene	1	1	22	mg/kg	0.16	U	0.59	J	2.7		0.6		0.51		0.44		0.14	U	0.15	U
Benzo(b)fluoranthene	1	1	1.7	mg/kg	0.12	U	0.69		3.4		0.76		0.71		0.56		0.1	U	0.12	U
Benzo(ghi)perylene	100	100	1000	mg/kg	0.16	U	0.43	J	1.7		0.34		0.22		0.33		0.061	J	0.15	U
Benzo(k)fluoranthene	0.8	3.9	1.7	mg/kg	0.12	U	0.33	J	1.1		0.25		0.22		0.21		0.1	U	0.12	U
Benzoic Acid	NC	NC	NC	mg/kg	0.64	U	3	U	3.2	U	0.63	U	0.56	U	0.56	U	0.57	U	0.62	U
Benzyl Alcohol	NC	NC	NC	mg/kg	0.2	U	0.92	U	1	U	0.19	U	0.17	U	0.17	U	0.18	U	0.19	U
Biphenyl	NC	NC	NC	mg/kg	0.45	U	2.1	U	2.3	U	0.44	U	0.39	U	0.4	U	0.4	U	0.44	U
Bis(2-chloroethoxy)methane	NC	NC	NC	mg/kg	0.21	U	1	U	1.1	U	0.21	U	0.19	U	0.19	U	0.19	U	0.21	U
Bis(2-chloroethyl)ether	NC	NC	NC	mg/kg	0.18	U	0.83	U	0.9	U	0.17	U	0.16	U	0.16	U	0.16	U	0.17	U
Bis(2-chloroisopropyl)ether	NC	NC	NC	mg/kg	0.24	U	1.1	U	1.2	U	0.23	U	0.21	U	0.21	U	0.21	U	0.23	U
Bis(2-ethylhexyl)phthalate	NC	NC	NC	mg/kg	0.2	U	0.92	U	1	U	0.084	J	0.28		1.1		0.18	U	0.19	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

					LOCATION	SB-20 (11-11.5)(OER		SB-21 (3-3.5)(OER		SB-21 (9-9.5)(OER		SB-21 (12-12.5)(OER		SB-22 (4.5-5.0)(OER		SB-22 (4.5-5.0)(OER)		SB-22 (7.5-8.0)(OER		SB-22 (11-11.5)(OER	
					SAMPLING DATE	9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020	
					LAB SAMPLE ID	L2040027-17		L2040027-18		L2040027-19		L2040027-20		L2040027-21		L2040027-21 R1		L2040027-22		L2040027-23	
					SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units		Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Semivolatile Organics by GC/MS																					
Butyl benzyl phthalate	NC	NC	NC	mg/kg		0.2	U	0.92	U	1	U	0.19	U	0.17	U	0.14	J	0.18	U	0.19	U
Carbazole	NC	NC	NC	mg/kg		0.2	U	0.92	U	0.49	J	0.08	J	0.096	J	0.087	J	0.18	U	0.19	U
Chrysene	1	3.9	1	mg/kg		0.12	U	0.63		3		0.65		0.6		0.48		0.1	U	0.12	U
Di-n-butylphthalate	NC	NC	NC	mg/kg		0.2	U	0.92	U	1	U	0.19	U	0.17	U	0.17	U	0.18	U	0.19	U
Di-n-octylphthalate	NC	NC	NC	mg/kg		0.2	U	0.92	U	1	U	0.19	U	0.17	U	0.17	U	0.18	U	0.19	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	mg/kg		0.12	U	0.11	J	0.42	J	0.074	J	0.061	J	0.078	J	0.1	U	0.12	U
Dibenzofuran	7	59	210	mg/kg		0.2	U	0.92	U	0.5	J	0.053	J	0.081	J	0.069	J	0.18	U	0.19	U
Diethyl phthalate	NC	NC	NC	mg/kg		0.2	U	0.92	U	1	U	0.19	U	0.17	U	0.17	U	0.18	U	0.19	U
Dimethyl phthalate	NC	NC	NC	mg/kg		0.2	U	0.92	U	1	U	0.19	U	0.17	U	0.17	U	0.18	U	0.19	U
Fluoranthene	100	100	1000	mg/kg		0.12	U	1.2		7.4		1.4		1.1		0.85		0.1	U	0.12	U
Fluorene	30	100	386	mg/kg		0.2	U	0.15	J	0.51	J	0.091	J	0.058	J	0.05	J	0.18	U	0.19	U
Hexachlorobenzene	0.33	1.2	3.2	mg/kg		0.12	U	0.55	U	0.6	U	0.12	U	0.1	U	0.1	U	0.1	U	0.12	U
Hexachlorobutadiene	NC	NC	NC	mg/kg		0.2	U	0.92	U	1	U	0.19	U	0.17	U	0.17	U	0.18	U	0.19	U
Hexachlorocyclopentadiene	NC	NC	NC	mg/kg		0.56	U	2.6	U	2.9	U	0.55	U	0.49	U	0.5	U	0.5	U	0.55	U
Hexachloroethane	NC	NC	NC	mg/kg		0.16	U	0.74	U	0.8	U	0.15	U	0.14	U	0.14	U	0.14	U	0.15	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	mg/kg		0.16	U	0.38	J	1.7		0.33		0.26		0.31		0.046	J	0.15	U
Isophorone	NC	NC	NC	mg/kg		0.18	U	0.83	U	0.9	U	0.17	U	0.16	U	0.16	U	0.16	U	0.17	U
n-Nitrosodi-n-propylamine	NC	NC	NC	mg/kg		0.2	U	0.92	U	1	U	0.19	U	0.17	U	0.17	U	0.18	U	0.19	U
Naphthalene	12	100	12	mg/kg		0.2	U	0.92	U	0.37	J	0.043	J	0.15	J	0.14	J	0.18	U	0.19	U
NDPA/DPA	NC	NC	NC	mg/kg		0.16	U	0.74	U	0.8	U	0.15	U	0.14	U	0.14	U	0.14	U	0.15	U
Nitrobenzene	NC	NC	NC	mg/kg		0.18	U	0.83	U	0.9	U	0.17	U	0.16	U	0.16	U	0.16	U	0.17	U
p-Chloro-m-cresol	NC	NC	NC	mg/kg		0.2	U	0.92	U	1	U	0.19	U	0.17	U	0.17	U	0.18	U	0.19	U
Pentachlorophenol	0.8	6.7	0.8	mg/kg		0.16	U	0.74	U	0.8	U	0.15	U	0.14	U	0.14	U	0.14	U	0.15	U
Phenanthrene	100	100	1000	mg/kg		0.12	U	0.79		6.5		0.95		0.77		0.68		0.1	U	0.12	U
Phenol	0.33	100	0.33	mg/kg		0.2	U	0.92	U	1	U	0.19	U	0.038	J	0.039	J	0.18	U	0.19	U
Pyrene	100	100	1000	mg/kg		0.12	U	1.1		6.3		1.3		1		0.84		0.1	U	0.12	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

					LOCATION	SB-18 (13-13.5)(OER		SB-23 (4.5-5.0)(OER		SB-23 (7.5-8.0)(OER		SB-23 (11.5-12.0)(OER		SB-24 (3-3.5)(OER		SB-24 (6-6.5)(OER		SB-24 (14-14.5)(OER		SB-25 (3-3.5)(OER	
					SAMPLING DATE	9/23/2020		9/24/2020		9/24/2020		9/24/2020		9/24/2020		9/24/2020		9/24/2020		9/24/2020	
					LAB SAMPLE ID	L2040027-24		L2040317-01		L2040317-02		L2040317-03		L2040317-04		L2040317-05		L2040317-06		L2040317-07	
					SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units		Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Semivolatile Organics by GC/MS																					
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	mg/kg		0.2	U	0.18	U	0.19	U	0.2	U	0.18	U	0.2	U	0.22	U	1.8	U
1,2,4-Trichlorobenzene	NC	NC	NC	mg/kg		0.2	U	0.18	U	0.19	U	0.2	U	0.18	U	0.2	U	0.22	U	1.8	U
1,2-Dichlorobenzene	1.1	100	1.1	mg/kg		0.2	U	0.18	U	0.19	U	0.2	U	0.18	U	0.2	U	0.22	U	1.8	U
1,3-Dichlorobenzene	2.4	49	2.4	mg/kg		0.2	U	0.18	U	0.19	U	0.2	U	0.18	U	0.2	U	0.22	U	1.8	U
1,4-Dichlorobenzene	1.8	13	1.8	mg/kg		0.2	U	0.18	U	0.19	U	0.2	U	0.18	U	0.2	U	0.22	U	1.8	U
1,4-Dioxane	0.1	13	0.1	mg/kg		0.03	U	0.027	U	0.029	U	0.03	U	0.027	U	0.03	U	0.033	U	0.27	U
2,4,5-Trichlorophenol	NC	NC	NC	mg/kg		0.2	U	0.18	U	0.19	U	0.2	U	0.18	U	0.2	U	0.22	U	1.8	U
2,4,6-Trichlorophenol	NC	NC	NC	mg/kg		0.12	U	0.11	U	0.11	U	0.12	U	0.11	U	0.12	U	0.13	U	1.1	U
2,4-Dichlorophenol	NC	NC	NC	mg/kg		0.18	U	0.16	U	0.17	U	0.18	U	0.16	U	0.18	U	0.2	U	1.6	U
2,4-Dimethylphenol	NC	NC	NC	mg/kg		0.2	U	0.18	U	0.19	U	0.2	U	0.18	U	0.2	U	0.22	U	1.8	U
2,4-Dinitrophenol	NC	NC	NC	mg/kg		0.97	U	0.88	U	0.92	U	0.95	U	0.86	U	0.95	U	1	U	8.7	U
2,4-Dinitrotoluene	NC	NC	NC	mg/kg		0.2	U	0.18	U	0.19	U	0.2	U	0.18	U	0.2	U	0.22	U	1.8	U
2,6-Dinitrotoluene	NC	NC	NC	mg/kg		0.2	U	0.18	U	0.19	U	0.2	U	0.18	U	0.2	U	0.22	U	1.8	U
2-Chloronaphthalene	NC	NC	NC	mg/kg		0.2	U	0.18	U	0.19	U	0.2	U	0.18	U	0.2	U	0.22	U	1.8	U
2-Chlorophenol	NC	NC	NC	mg/kg		0.2	U	0.18	U	0.19	U	0.2	U	0.18	U	0.2	U	0.22	U	1.8	U
2-Methylnaphthalene	NC	NC	NC	mg/kg		0.24	U	0.2	J	0.23	U	0.24	U	0.14	J	0.24	U	0.26	U	2.2	U
2-Methylphenol	0.33	100	0.33	mg/kg		0.2	U	0.18	U	0.19	U	0.2	U	0.18	U	0.2	U	0.22	U	1.8	U
2-Nitroaniline	NC	NC	NC	mg/kg		0.2	U	0.18	U	0.19	U	0.2	U	0.18	U	0.2	U	0.22	U	1.8	U
2-Nitrophenol	NC	NC	NC	mg/kg		0.44	U	0.39	U	0.41	U	0.43	U	0.39	U	0.43	U	0.47	U	3.9	U
3,3'-Dichlorobenzidine	NC	NC	NC	mg/kg		0.2	U	0.18	U	0.19	U	0.2	U	0.18	U	0.2	U	0.22	U	1.8	U
3-Methylphenol/4-Methylphenol	0.33	100	0.33	mg/kg		0.29	U	0.057	J	0.28	U	0.28	U	0.045	J	0.28	U	0.32	U	2.6	U
3-Nitroaniline	NC	NC	NC	mg/kg		0.2	U	0.18	U	0.19	U	0.2	U	0.18	U	0.2	U	0.22	U	1.8	U
4,6-Dinitro-o-cresol	NC	NC	NC	mg/kg		0.52	U	0.48	U	0.5	U	0.51	U	0.47	U	0.52	U	0.57	U	4.7	U
4-Bromophenyl phenyl ether	NC	NC	NC	mg/kg		0.2	U	0.18	U	0.19	U	0.2	U	0.18	U	0.2	U	0.22	U	1.8	U
4-Chloroaniline	NC	NC	NC	mg/kg		0.2	U	0.18	U	0.19	U	0.2	U	0.18	U	0.2	U	0.22	U	1.8	U
4-Chlorophenyl phenyl ether	NC	NC	NC	mg/kg		0.2	U	0.18	U	0.19	U	0.2	U	0.18	U	0.2	U	0.22	U	1.8	U
4-Nitroaniline	NC	NC	NC	mg/kg		0.2	U	0.18	U	0.19	U	0.2	U	0.18	U	0.2	U	0.22	U	1.8	U
4-Nitrophenol	NC	NC	NC	mg/kg		0.28	U	0.26	U	0.27	U	0.28	U	0.25	U	0.28	U	0.31	U	2.5	U
Acenaphthene	20	100	98	mg/kg		0.16	U	0.69		0.15	U	0.16	U	0.49		0.16	U	0.18	U	0.66	J
Acenaphthylene	100	100	107	mg/kg		0.16	U	0.45		0.15	U	0.16	U	0.49		0.16	U	0.18	U	1.6	
Acetophenone	NC	NC	NC	mg/kg		0.2	U	0.026	J	0.19	U	0.2	U	0.18	U	0.2	U	0.22	U	1.8	U
Anthracene	100	100	1000	mg/kg		0.12	U	2.1		0.11	U	0.12	U	1.4		0.12	U	0.13	U	4.1	
Benzo(a)anthracene	1	1	1	mg/kg		0.12	U	4.8		0.11	U	0.12	U	3.3		0.12	U	0.13	U	20	
Benzo(a)pyrene	1	1	22	mg/kg		0.16	U	4.4		0.15	U	0.16	U	3		0.16	U	0.18	U	20	
Benzo(b)fluoranthene	1	1	1.7	mg/kg		0.12	U	5.7		0.11	U	0.12	U	3.7		0.12	U	0.13	U	25	
Benzo(ghi)perylene	100	100	1000	mg/kg		0.16	U	3		0.15	U	0.16	U	1.9		0.16	U	0.18	U	14	
Benzo(k)fluoranthene	0.8	3.9	1.7	mg/kg		0.12	U	1.6		0.11	U	0.12	U	1.2		0.12	U	0.13	U	5.8	
Benzoic Acid	NC	NC	NC	mg/kg		0.65	U	0.26	J	0.62	U	0.64	U	0.58	U	0.64	U	0.71	U	5.9	U
Benzyl Alcohol	NC	NC	NC	mg/kg		0.2	U	0.18	U	0.19	U	0.2	U	0.18	U	0.2	U	0.22	U	1.8	U
Biphenyl	NC	NC	NC	mg/kg		0.46	U	0.065	J	0.44	U	0.45	U	0.044	J	0.45	U	0.5	U	4.1	U
Bis(2-chloroethoxy)methane	NC	NC	NC	mg/kg		0.22	U	0.2	U	0.21	U	0.21	U	0.19	U	0.21	U	0.24	U	2	U
Bis(2-chloroethyl)ether	NC	NC	NC	mg/kg		0.18	U	0.16	U	0.17	U	0.18	U	0.16	U	0.18	U	0.2	U	1.6	U
Bis(2-chloroisopropyl)ether	NC	NC	NC	mg/kg		0.24	U	0.22	U	0.23	U	0.24	U	0.22	U	0.24	U	0.26	U	2.2	U
Bis(2-ethylhexyl)phthalate	NC	NC	NC	mg/kg		0.2	U	0.14	J	0.19	U	0.2	U	0.18	U	0.2	U	0.22	U	1.8	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SB-18 (13-13.5)(OER		SB-23 (4.5-5.0)(OER		SB-23 (7.5-8.0)(OER		SB-23 (11.5-12.0)(OER		SB-24 (3-3.5)(OER		SB-24 (6-6.5)(OER		SB-24 (14-14.5)(OER		SB-25 (3-3.5)(OER	
				SAMPLING DATE	9/23/2020		9/24/2020		9/24/2020		9/24/2020		9/24/2020		9/24/2020		9/24/2020		9/24/2020	
				LAB SAMPLE ID	L2040027-24		L2040317-01		L2040317-02		L2040317-03		L2040317-04		L2040317-05		L2040317-06		L2040317-07	
				SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Semivolatile Organics by GC/MS																				
Butyl benzyl phthalate	NC	NC	NC	mg/kg	0.2	U	0.18	U	0.19	U	0.2	U	0.18	U	0.2	U	0.22	U	1.8	U
Carbazole	NC	NC	NC	mg/kg	0.2	U	1.1		0.19	U	0.2	U	0.67		0.2	U	0.22	U	1.5	J
Chrysene	1	3.9	1	mg/kg	0.12	U	4.1		0.11	U	0.12	U	3		0.12	U	0.13	U	18	
Di-n-butylphthalate	NC	NC	NC	mg/kg	0.2	U	0.18	U	0.19	U	0.2	U	0.18	U	0.2	U	0.22	U	1.8	U
Di-n-octylphthalate	NC	NC	NC	mg/kg	0.2	U	0.18	U	0.19	U	0.2	U	0.18	U	0.2	U	0.22	U	1.8	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	mg/kg	0.12	U	0.76		0.11	U	0.12	U	0.52		0.12	U	0.13	U	3.5	
Dibenzofuran	7	59	210	mg/kg	0.2	U	0.5		0.19	U	0.2	U	0.29		0.2	U	0.22	U	0.33	J
Diethyl phthalate	NC	NC	NC	mg/kg	0.2	U	0.18	U	0.19	U	0.2	U	0.18	U	0.2	U	0.22	U	1.8	U
Dimethyl phthalate	NC	NC	NC	mg/kg	0.2	U	0.18	U	0.19	U	0.2	U	0.18	U	0.2	U	0.22	U	1.8	U
Fluoranthene	100	100	1000	mg/kg	0.12	U	11		0.11	U	0.12	U	6.5		0.12	U	0.13	U	29	
Fluorene	30	100	386	mg/kg	0.2	U	0.78		0.19	U	0.2	U	0.48		0.2	U	0.22	U	0.76	J
Hexachlorobenzene	0.33	1.2	3.2	mg/kg	0.12	U	0.11	U	0.11	U	0.12	U	0.11	U	0.12	U	0.13	U	1.1	U
Hexachlorobutadiene	NC	NC	NC	mg/kg	0.2	U	0.18	U	0.19	U	0.2	U	0.18	U	0.2	U	0.22	U	1.8	U
Hexachlorocyclopentadiene	NC	NC	NC	mg/kg	0.58	U	0.52	U	0.55	U	0.56	U	0.51	U	0.57	U	0.63	U	5.2	U
Hexachloroethane	NC	NC	NC	mg/kg	0.16	U	0.15	U	0.15	U	0.16	U	0.14	U	0.16	U	0.18	U	1.4	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	mg/kg	0.16	U	3		0.15	U	0.16	U	1.9		0.16	U	0.18	U	14	
Isophorone	NC	NC	NC	mg/kg	0.18	U	0.16	U	0.17	U	0.18	U	0.16	U	0.18	U	0.2	U	1.6	U
n-Nitrosodi-n-propylamine	NC	NC	NC	mg/kg	0.2	U	0.18	U	0.19	U	0.2	U	0.18	U	0.2	U	0.22	U	1.8	U
Naphthalene	12	100	12	mg/kg	0.2	U	0.42		0.19	U	0.2	U	0.3		0.2	U	0.22	U	0.32	J
NDPA/DPA	NC	NC	NC	mg/kg	0.16	U	0.15	U	0.15	U	0.16	U	0.14	U	0.16	U	0.18	U	1.4	U
Nitrobenzene	NC	NC	NC	mg/kg	0.18	U	0.16	U	0.17	U	0.18	U	0.16	U	0.18	U	0.2	U	1.6	U
p-Chloro-m-cresol	NC	NC	NC	mg/kg	0.2	U	0.18	U	0.19	U	0.2	U	0.18	U	0.2	U	0.22	U	1.8	U
Pentachlorophenol	0.8	6.7	0.8	mg/kg	0.16	U	0.15	U	0.15	U	0.16	U	0.14	U	0.16	U	0.18	U	1.4	U
Phenanthrene	100	100	1000	mg/kg	0.12	U	7		0.11	U	0.12	U	5.4		0.12	U	0.13	U	12	
Phenol	0.33	100	0.33	mg/kg	0.2	U	0.028	J	0.19	U	0.2	U	0.18	U	0.2	U	0.22	U	1.8	U
Pyrene	100	100	1000	mg/kg	0.12	U	7.3		0.11	U	0.12	U	5.8		0.12	U	0.13	U	29	

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SB-25 (6.5-7.0)(OER		SB-25 (13-13.5)(OER		SB-15 (4.5-5)		SB-15 (8-8.5)		SB-15 (12.5-13)		SB-19 (4.5-5)		SB-19 (8-8.5)		SB-19 (12.5-13)		SB-20 (4.5-5)	
				SAMPLING DATE	9/24/2020		9/24/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020	
				LAB SAMPLE ID	L2040317-08		L2040317-09		L2046926-01		L2046926-02		L2046926-03		L2046926-04		L2046926-05		L2046926-06		L2046926-07	
				SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Semivolatile Organics by GC/MS																						
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
1,2,4-Trichlorobenzene	NC	NC	NC	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
1,2-Dichlorobenzene	1.1	100	1.1	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
1,3-Dichlorobenzene	2.4	49	2.4	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
1,4-Dichlorobenzene	1.8	13	1.8	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
1,4-Dioxane	0.1	13	0.1	mg/kg	0.03	U	0.032	U	0.028	U	0.034	U	0.032	U	0.026	U	0.03	U	0.033	U	0.026	U
2,4,5-Trichlorophenol	NC	NC	NC	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
2,4,6-Trichlorophenol	NC	NC	NC	mg/kg	0.12	U	0.13	U	-	-	-	-	-	-	0.1	U	0.12	U	0.13	U	-	-
2,4-Dichlorophenol	NC	NC	NC	mg/kg	0.18	U	0.19	U	-	-	-	-	-	-	0.15	U	0.18	U	0.2	U	-	-
2,4-Dimethylphenol	NC	NC	NC	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
2,4-Dinitrophenol	NC	NC	NC	mg/kg	0.96	U	1	U	0.9	U	1.1	U	1	U	0.82	U	0.96	U	1	U	-	-
2,4-Dinitrotoluene	NC	NC	NC	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
2,6-Dinitrotoluene	NC	NC	NC	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
2-Chloronaphthalene	NC	NC	NC	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
2-Chlorophenol	NC	NC	NC	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
2-Methylnaphthalene	NC	NC	NC	mg/kg	0.24	U	0.25	U	-	-	-	-	-	-	0.2	U	0.24	U	0.26	U	-	-
2-Methylphenol	0.33	100	0.33	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
2-Nitroaniline	NC	NC	NC	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
2-Nitrophenol	NC	NC	NC	mg/kg	0.43	U	0.46	U	-	-	-	-	-	-	0.37	U	0.43	U	0.47	U	-	-
3,3'-Dichlorobenzidine	NC	NC	NC	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
3-Methylphenol/4-Methylphenol	0.33	100	0.33	mg/kg	0.29	U	0.3	U	-	-	-	-	-	-	0.25	U	0.29	U	0.32	U	-	-
3-Nitroaniline	NC	NC	NC	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
4,6-Dinitro-o-cresol	NC	NC	NC	mg/kg	0.52	U	0.55	U	-	-	-	-	-	-	0.44	U	0.52	U	0.57	U	-	-
4-Bromophenyl phenyl ether	NC	NC	NC	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
4-Chloroaniline	NC	NC	NC	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
4-Chlorophenyl phenyl ether	NC	NC	NC	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
4-Nitroaniline	NC	NC	NC	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
4-Nitrophenol	NC	NC	NC	mg/kg	0.28	U	0.3	U	-	-	-	-	-	-	0.24	U	0.28	U	0.31	U	-	-
Acenaphthene	20	100	98	mg/kg	0.16	U	0.17	U	-	-	-	-	-	-	0.14	U	0.16	U	0.18	U	-	-
Acenaphthylene	100	100	107	mg/kg	0.16	U	0.17	U	-	-	-	-	-	-	0.14	U	0.16	U	0.18	U	-	-
Acetophenone	NC	NC	NC	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
Anthracene	100	100	1000	mg/kg	0.12	U	0.13	U	-	-	-	-	-	-	0.1	U	0.12	U	0.13	U	-	-
Benzo(a)anthracene	1	1	1	mg/kg	0.12	U	0.13	U	-	-	-	-	-	-	0.1	U	0.12	U	0.13	U	-	-
Benzo(a)pyrene	1	1	22	mg/kg	0.16	U	0.17	U	-	-	-	-	-	-	0.14	U	0.16	U	0.18	U	-	-
Benzo(b)fluoranthene	1	1	1.7	mg/kg	0.12	U	0.13	U	-	-	-	-	-	-	0.1	U	0.12	U	0.13	U	-	-
Benzo(ghi)perylene	100	100	1000	mg/kg	0.16	U	0.17	U	-	-	-	-	-	-	0.14	U	0.16	U	0.18	U	-	-
Benzo(k)fluoranthene	0.8	3.9	1.7	mg/kg	0.12	U	0.13	U	-	-	-	-	-	-	0.1	U	0.12	U	0.13	U	-	-
Benzoic Acid	NC	NC	NC	mg/kg	0.65	U	0.68	U	-	-	-	-	-	-	0.56	U	0.64	U	0.71	U	-	-
Benzyl Alcohol	NC	NC	NC	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
Biphenyl	NC	NC	NC	mg/kg	0.46	U	0.48	U	-	-	-	-	-	-	0.39	U	0.45	U	0.5	U	-	-
Bis(2-chloroethoxy)methane	NC	NC	NC	mg/kg	0.22	U	0.23	U	-	-	-	-	-	-	0.18	U	0.22	U	0.24	U	-	-
Bis(2-chloroethyl)ether	NC	NC	NC	mg/kg	0.18	U	0.19	U	-	-	-	-	-	-	0.15	U	0.18	U	0.2	U	-	-
Bis(2-chloroisopropyl)ether	NC	NC	NC	mg/kg	0.24	U	0.25	U	-	-	-	-	-	-	0.2	U	0.24	U	0.26	U	-	-
Bis(2-ethylhexyl)phthalate	NC	NC	NC	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SB-25 (6.5-7.0)(OER		SB-25 (13-13.5)(OER		SB-15 (4.5-5)		SB-15 (8-8.5)		SB-15 (12.5-13)		SB-19 (4.5-5)		SB-19 (8-8.5)		SB-19 (12.5-13)		SB-20 (4.5-5)	
				SAMPLING DATE	9/24/2020		9/24/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020	
				LAB SAMPLE ID	L2040317-08		L2040317-09		L2046926-01		L2046926-02		L2046926-03		L2046926-04		L2046926-05		L2046926-06		L2046926-07	
				SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Semivolatile Organics by GC/MS																						
Butyl benzyl phthalate	NC	NC	NC	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
Carbazole	NC	NC	NC	mg/kg	0.02	J	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
Chrysene	1	3.9	1	mg/kg	0.12	U	0.13	U	-	-	-	-	-	-	0.1	U	0.12	U	0.13	U	-	-
Di-n-butylphthalate	NC	NC	NC	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
Di-n-octylphthalate	NC	NC	NC	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
Dibenzo(a,h)anthracene	0.33	0.33	1000	mg/kg	0.12	U	0.13	U	-	-	-	-	-	-	0.1	U	0.12	U	0.13	U	-	-
Dibenzofuran	7	59	210	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
Diethyl phthalate	NC	NC	NC	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
Dimethyl phthalate	NC	NC	NC	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
Fluoranthene	100	100	1000	mg/kg	0.12	U	0.13	U	-	-	-	-	-	-	0.032	J	0.12	U	0.13	U	-	-
Fluorene	30	100	386	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
Hexachlorobenzene	0.33	1.2	3.2	mg/kg	0.12	U	0.13	U	-	-	-	-	-	-	0.1	U	0.12	U	0.13	U	-	-
Hexachlorobutadiene	NC	NC	NC	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
Hexachlorocyclopentadiene	NC	NC	NC	mg/kg	0.57	U	0.6	U	-	-	-	-	-	-	0.49	U	0.57	U	0.63	U	-	-
Hexachloroethane	NC	NC	NC	mg/kg	0.16	U	0.17	U	-	-	-	-	-	-	0.14	U	0.16	U	0.18	U	-	-
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	mg/kg	0.16	U	0.17	U	-	-	-	-	-	-	0.14	U	0.16	U	0.18	U	-	-
Isophorone	NC	NC	NC	mg/kg	0.18	U	0.19	U	-	-	-	-	-	-	0.15	U	0.18	U	0.2	U	-	-
n-Nitrosodi-n-propylamine	NC	NC	NC	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
Naphthalene	12	100	12	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
NDPA/DPA	NC	NC	NC	mg/kg	0.16	U	0.17	U	-	-	-	-	-	-	0.14	U	0.16	U	0.18	U	-	-
Nitrobenzene	NC	NC	NC	mg/kg	0.18	U	0.19	U	-	-	-	-	-	-	0.15	U	0.18	U	0.2	U	-	-
p-Chloro-m-cresol	NC	NC	NC	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
Pentachlorophenol	0.8	6.7	0.8	mg/kg	0.16	U	0.17	U	-	-	-	-	-	-	0.14	U	0.16	U	0.18	U	-	-
Phenanthrene	100	100	1000	mg/kg	0.12	U	0.13	U	-	-	-	-	-	-	0.1	U	0.12	U	0.13	U	-	-
Phenol	0.33	100	0.33	mg/kg	0.2	U	0.21	U	-	-	-	-	-	-	0.17	U	0.2	U	0.22	U	-	-
Pyrene	100	100	1000	mg/kg	0.12	U	0.13	U	-	-	-	-	-	-	0.029	J	0.12	U	0.13	U	-	-

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SB-20 (8-8.5)		SB-20 (12.5-13)		SB-16 (4.5-5)		SB-16 (8-8.5)		SB-16 (12.5-13)		SB-21 (4.5-5)		SB-21 (8-8.5)		SB-21 (12.5-13)		SB-18 (4.5-5)	
				SAMPLING DATE	10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020	
				LAB SAMPLE ID	L2046926-08		L2046926-09		L2046926-10		L2046926-11		L2046926-12		L2046926-13		L2046926-14		L2046926-15		L2046926-16	
				SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Semivolatile Organics by GC/MS																						
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
1,2,4-Trichlorobenzene	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
1,2-Dichlorobenzene	1.1	100	1.1	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
1,3-Dichlorobenzene	2.4	49	2.4	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
1,4-Dichlorobenzene	1.8	13	1.8	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
1,4-Dioxane	0.1	13	0.1	mg/kg	0.031	U	0.029	U	0.026	U	0.029	U	0.03	U	0.03	U	0.027	U	0.029	U	0.026	U
2,4,5-Trichlorophenol	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
2,4,6-Trichlorophenol	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	U
2,4-Dichlorophenol	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15	U
2,4-Dimethylphenol	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
2,4-Dinitrophenol	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.82	U
2,4-Dinitrotoluene	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
2,6-Dinitrotoluene	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
2-Chloronaphthalene	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
2-Chlorophenol	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
2-Methylnaphthalene	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	U
2-Methylphenol	0.33	100	0.33	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
2-Nitroaniline	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
2-Nitrophenol	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.37	U
3,3'-Dichlorobenzidine	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
3-Methylphenol/4-Methylphenol	0.33	100	0.33	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.25	U
3-Nitroaniline	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
4,6-Dinitro-o-cresol	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.44	U
4-Bromophenyl phenyl ether	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
4-Chloroaniline	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
4-Chlorophenyl phenyl ether	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
4-Nitroaniline	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
4-Nitrophenol	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.24	U
Acenaphthene	20	100	98	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.14	U
Acenaphthylene	100	100	107	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.14	U
Acetophenone	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
Anthracene	100	100	1000	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	U
Benzo(a)anthracene	1	1	1	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.074	J
Benzo(a)pyrene	1	1	22	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.084	J
Benzo(b)fluoranthene	1	1	1.7	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.11	
Benzo(ghi)perylene	100	100	1000	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.062	J
Benzo(k)fluoranthene	0.8	3.9	1.7	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.028	J
Benzoic Acid	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.55	U
Benzyl Alcohol	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
Biphenyl	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.39	U
Bis(2-chloroethoxy)methane	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.18	U
Bis(2-chloroethyl)ether	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15	U
Bis(2-chloroisopropyl)ether	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	U
Bis(2-ethylhexyl)phthalate	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SB-20 (8-8.5)		SB-20 (12.5-13)		SB-16 (4.5-5)		SB-16 (8-8.5)		SB-16 (12.5-13)		SB-21 (4.5-5)		SB-21 (8-8.5)		SB-21 (12.5-13)		SB-18 (4.5-5)	
				SAMPLING DATE	10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020	
				LAB SAMPLE ID	L2046926-08		L2046926-09		L2046926-10		L2046926-11		L2046926-12		L2046926-13		L2046926-14		L2046926-15		L2046926-16	
				SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Semivolatile Organics by GC/MS																						
Butyl benzyl phthalate	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
Carbazole	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
Chrysene	1	3.9	1	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.078	J
Di-n-butylphthalate	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
Di-n-octylphthalate	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	U
Dibenzofuran	7	59	210	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
Diethyl phthalate	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
Dimethyl phthalate	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
Fluoranthene	100	100	1000	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.18	
Fluorene	30	100	386	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
Hexachlorobenzene	0.33	1.2	3.2	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	U
Hexachlorobutadiene	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
Hexachlorocyclopentadiene	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.49	U
Hexachloroethane	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.14	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.056	J
Isophorone	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15	U
n-Nitrosodi-n-propylamine	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
Naphthalene	12	100	12	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
NDPA/DPA	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.14	U
Nitrobenzene	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15	U
p-Chloro-m-cresol	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
Pentachlorophenol	0.8	6.7	0.8	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.14	U
Phenanthrene	100	100	1000	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	
Phenol	0.33	100	0.33	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	U
Pyrene	100	100	1000	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.16	

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SB-18 (8-8.5)		SB-18 (12.5-13)		SB-17 (4.5-5)		SB-17 (8-8.5)		SB-17 (12.5-13)		DUP-1		DUP-2		SB-26 (2-3)		SB-26 (5-6)	
				SAMPLING DATE	10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		12/4/2020		12/4/2020	
				LAB SAMPLE ID	L2046926-17		L2046926-18		L2046926-19		L2046926-20		L2046926-21		L2046926-22		L2046926-23		L2054336-01		L2054336-02	
				SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Semivolatile Organics by GC/MS																						
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.96	U	0.18	U
1,2,4-Trichlorobenzene	NC	NC	NC	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.96	U	0.18	U
1,2-Dichlorobenzene	1.1	100	1.1	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.96	U	0.18	U
1,3-Dichlorobenzene	2.4	49	2.4	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.96	U	0.18	U
1,4-Dichlorobenzene	1.8	13	1.8	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.96	U	0.18	U
1,4-Dioxane	0.1	13	0.1	mg/kg	0.031	U	0.03	U	0.032	U	0.031	U	0.03	U	0.031	U	0.032	U	0.14	U	0.027	U
2,4,5-Trichlorophenol	NC	NC	NC	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.96	U	0.18	U
2,4,6-Trichlorophenol	NC	NC	NC	mg/kg	0.12	U	0.12	U	-	-	-	-	-	-	-	-	0.13	U	0.58	U	0.11	U
2,4-Dichlorophenol	NC	NC	NC	mg/kg	0.19	U	0.18	U	-	-	-	-	-	-	-	-	0.19	U	0.86	U	0.16	U
2,4-Dimethylphenol	NC	NC	NC	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.96	U	0.18	U
2,4-Dinitrophenol	NC	NC	NC	mg/kg	1	U	0.97	U	-	-	-	-	-	-	-	-	1	U	4.6	U	0.86	U
2,4-Dinitrotoluene	NC	NC	NC	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.96	U	0.18	U
2,6-Dinitrotoluene	NC	NC	NC	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.96	U	0.18	U
2-Chloronaphthalene	NC	NC	NC	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.96	U	0.18	U
2-Chlorophenol	NC	NC	NC	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.96	U	0.18	U
2-Methylnaphthalene	NC	NC	NC	mg/kg	0.25	U	0.24	U	-	-	-	-	-	-	-	-	0.25	U	1.2	U	0.22	U
2-Methylphenol	0.33	100	0.33	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.96	U	0.18	U
2-Nitroaniline	NC	NC	NC	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.96	U	0.18	U
2-Nitrophenol	NC	NC	NC	mg/kg	0.45	U	0.43	U	-	-	-	-	-	-	-	-	0.46	U	2.1	U	0.39	U
3,3'-Dichlorobenzidine	NC	NC	NC	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.96	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	100	0.33	mg/kg	0.3	U	0.29	U	-	-	-	-	-	-	-	-	0.3	U	1.4	U	0.26	U
3-Nitroaniline	NC	NC	NC	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.96	U	0.18	U
4,6-Dinitro-o-cresol	NC	NC	NC	mg/kg	0.54	U	0.52	U	-	-	-	-	-	-	-	-	0.55	U	2.5	U	0.47	U
4-Bromophenyl phenyl ether	NC	NC	NC	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.96	U	0.18	U
4-Chloroaniline	NC	NC	NC	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.96	U	0.18	U
4-Chlorophenyl phenyl ether	NC	NC	NC	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.96	U	0.18	U
4-Nitroaniline	NC	NC	NC	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.96	U	0.18	U
4-Nitrophenol	NC	NC	NC	mg/kg	0.29	U	0.28	U	-	-	-	-	-	-	-	-	0.3	U	1.3	U	0.25	U
Acenaphthene	20	100	98	mg/kg	0.17	U	0.16	U	-	-	-	-	-	-	-	-	0.17	U	0.38	J	0.14	U
Acenaphthylene	100	100	107	mg/kg	0.17	U	0.16	U	-	-	-	-	-	-	-	-	0.17	U	0.43	J	0.14	U
Acetophenone	NC	NC	NC	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.96	U	0.18	U
Anthracene	100	100	1000	mg/kg	0.12	U	0.12	U	-	-	-	-	-	-	-	-	0.13	U	1.8		0.035	J
Benzo(a)anthracene	1	1	1	mg/kg	0.12	U	0.12	U	-	-	-	-	-	-	-	-	0.13	U	7.1		0.095	J
Benzo(a)pyrene	1	1	22	mg/kg	0.17	U	0.16	U	-	-	-	-	-	-	-	-	0.17	U	8		0.099	J
Benzo(b)fluoranthene	1	1	1.7	mg/kg	0.12	U	0.12	U	-	-	-	-	-	-	-	-	0.13	U	8.2		0.12	
Benzo(ghi)perylene	100	100	1000	mg/kg	0.17	U	0.16	U	-	-	-	-	-	-	-	-	0.17	U	5.9		0.063	J
Benzo(k)fluoranthene	0.8	3.9	1.7	mg/kg	0.12	U	0.12	U	-	-	-	-	-	-	-	-	0.13	U	3		0.038	J
Benzoic Acid	NC	NC	NC	mg/kg	0.67	U	0.65	U	-	-	-	-	-	-	-	-	0.68	U	3.1	U	0.58	U
Benzyl Alcohol	NC	NC	NC	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.96	U	0.18	U
Biphenyl	NC	NC	NC	mg/kg	0.47	U	0.46	U	-	-	-	-	-	-	-	-	0.48	U	2.2	U	0.41	U
Bis(2-chloroethoxy)methane	NC	NC	NC	mg/kg	0.22	U	0.22	U	-	-	-	-	-	-	-	-	0.23	U	1	U	0.19	U
Bis(2-chloroethyl)ether	NC	NC	NC	mg/kg	0.19	U	0.18	U	-	-	-	-	-	-	-	-	0.19	U	0.86	U	0.16	U
Bis(2-chloroisopropyl)ether	NC	NC	NC	mg/kg	0.25	U	0.24	U	-	-	-	-	-	-	-	-	0.25	U	1.2	U	0.22	U
Bis(2-ethylhexyl)phthalate	NC	NC	NC	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.96	U	0.18	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

					LOCATION		SB-18 (8-8.5)		SB-18 (12.5-13)		SB-17 (4.5-5)		SB-17 (8-8.5)		SB-17 (12.5-13)		DUP-1		DUP-2		SB-26 (2-3)		SB-26 (5-6)	
					SAMPLING DATE		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		12/4/2020		12/4/2020	
					LAB SAMPLE ID		L2046926-17		L2046926-18		L2046926-19		L2046926-20		L2046926-21		L2046926-22		L2046926-23		L2054336-01		L2054336-02	
					SAMPLE TYPE		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Semivolatile Organics by GC/MS																								
Butyl benzyl phthalate	NC	NC	NC	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.96	U	0.18	U		
Carbazole	NC	NC	NC	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.59	J	0.18	U		
Chrysene	1	3.9	1	mg/kg	0.12	U	0.12	U	-	-	-	-	-	-	-	-	0.13	U	6.6		0.092	J		
Di-n-butylphthalate	NC	NC	NC	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.96	U	0.18	U		
Di-n-octylphthalate	NC	NC	NC	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.96	U	0.18	U		
Dibenzo(a,h)anthracene	0.33	0.33	1000	mg/kg	0.12	U	0.12	U	-	-	-	-	-	-	-	-	0.13	U	1.4		0.11	U		
Dibenzofuran	7	59	210	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.19	J	0.18	U		
Diethyl phthalate	NC	NC	NC	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.96	U	0.18	U		
Dimethyl phthalate	NC	NC	NC	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.96	U	0.18	U		
Fluoranthene	100	100	1000	mg/kg	0.12	U	0.12	U	-	-	-	-	-	-	-	-	0.13	U	11		0.23			
Fluorene	30	100	386	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.4	J	0.18	U		
Hexachlorobenzene	0.33	1.2	3.2	mg/kg	0.12	U	0.12	U	-	-	-	-	-	-	-	-	0.13	U	0.58	U	0.11	U		
Hexachlorobutadiene	NC	NC	NC	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.96	U	0.18	U		
Hexachlorocyclopentadiene	NC	NC	NC	mg/kg	0.59	U	0.58	U	-	-	-	-	-	-	-	-	0.6	U	2.7	U	0.52	U		
Hexachloroethane	NC	NC	NC	mg/kg	0.17	U	0.16	U	-	-	-	-	-	-	-	-	0.17	U	0.77	U	0.14	U		
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	mg/kg	0.17	U	0.16	U	-	-	-	-	-	-	-	-	0.17	U	4.6		0.062	J		
Isophorone	NC	NC	NC	mg/kg	0.19	U	0.18	U	-	-	-	-	-	-	-	-	0.19	U	0.86	U	0.16	U		
n-Nitrosodi-n-propylamine	NC	NC	NC	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.96	U	0.18	U		
Naphthalene	12	100	12	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.19	J	0.18	U		
NDPA/DPA	NC	NC	NC	mg/kg	0.17	U	0.16	U	-	-	-	-	-	-	-	-	0.17	U	0.77	U	0.14	U		
Nitrobenzene	NC	NC	NC	mg/kg	0.19	U	0.18	U	-	-	-	-	-	-	-	-	0.19	U	0.86	U	0.16	U		
p-Chloro-m-cresol	NC	NC	NC	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.96	U	0.18	U		
Pentachlorophenol	0.8	6.7	0.8	mg/kg	0.17	U	0.16	U	-	-	-	-	-	-	-	-	0.17	U	0.77	U	0.14	U		
Phenanthrene	100	100	1000	mg/kg	0.12	U	0.12	U	-	-	-	-	-	-	-	-	0.13	U	5.9		0.14			
Phenol	0.33	100	0.33	mg/kg	0.21	U	0.2	U	-	-	-	-	-	-	-	-	0.21	U	0.96	U	0.18	U		
Pyrene	100	100	1000	mg/kg	0.12	U	0.12	U	-	-	-	-	-	-	-	-	0.13	U	10		0.2			

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SB-26 (12-13)		SB-27 (3-4)		SB-27 (7-8)		SB-27 (13-14)		SB-28 (2-3)		SB-28 (6-7)		SB-28 (12-13)		SB-29 (3-4)		SB-29 (6-7)	
				SAMPLING DATE	12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020	
				LAB SAMPLE ID	L2054336-03		L2054336-04		L2054336-05		L2054336-06		L2054336-07		L2054336-08		L2054336-09		L2054336-10		L2054336-11	
				SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Semivolatile Organics by GC/MS																						
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	mg/kg	0.19	U	1.3	U	0.19	U	0.22	U	0.19	U	0.2	U	0.2	U	1.1	U	0.19	U
1,2,4-Trichlorobenzene	NC	NC	NC	mg/kg	0.19	U	1.3	U	0.19	U	0.22	U	0.19	U	0.2	U	0.2	U	1.1	U	0.19	U
1,2-Dichlorobenzene	1.1	100	1.1	mg/kg	0.19	U	1.3	U	0.19	U	0.22	U	0.19	U	0.2	U	0.2	U	1.1	U	0.19	U
1,3-Dichlorobenzene	2.4	49	2.4	mg/kg	0.19	U	1.3	U	0.19	U	0.22	U	0.19	U	0.2	U	0.2	U	1.1	U	0.19	U
1,4-Dichlorobenzene	1.8	13	1.8	mg/kg	0.19	U	1.3	U	0.19	U	0.22	U	0.19	U	0.2	U	0.2	U	1.1	U	0.19	U
1,4-Dioxane	0.1	13	0.1	mg/kg	0.029	U	0.19	U	0.028	U	0.033	U	0.029	U	0.029	U	0.029	U	0.16	U	0.029	U
2,4,5-Trichlorophenol	NC	NC	NC	mg/kg	0.19	U	1.3	U	0.19	U	0.22	U	0.19	U	0.2	U	0.2	U	1.1	U	0.19	U
2,4,6-Trichlorophenol	NC	NC	NC	mg/kg	0.12	U	0.76	U	0.11	U	0.13	U	0.12	U	0.12	U	0.12	U	0.64	U	0.11	U
2,4-Dichlorophenol	NC	NC	NC	mg/kg	0.17	U	1.1	U	0.17	U	0.2	U	0.17	U	0.18	U	0.18	U	0.96	U	0.17	U
2,4-Dimethylphenol	NC	NC	NC	mg/kg	0.19	U	1.3	U	0.19	U	0.22	U	0.19	U	0.2	U	0.2	U	1.1	U	0.19	U
2,4-Dinitrophenol	NC	NC	NC	mg/kg	0.92	U	6.1	U	0.91	U	1	U	0.93	U	0.94	U	0.94	U	5.1	U	0.92	U
2,4-Dinitrotoluene	NC	NC	NC	mg/kg	0.19	U	1.3	U	0.19	U	0.22	U	0.19	U	0.2	U	0.2	U	1.1	U	0.19	U
2,6-Dinitrotoluene	NC	NC	NC	mg/kg	0.19	U	1.3	U	0.19	U	0.22	U	0.19	U	0.2	U	0.2	U	1.1	U	0.19	U
2-Chloronaphthalene	NC	NC	NC	mg/kg	0.19	U	1.3	U	0.19	U	0.22	U	0.19	U	0.2	U	0.2	U	1.1	U	0.19	U
2-Chlorophenol	NC	NC	NC	mg/kg	0.19	U	1.3	U	0.19	U	0.22	U	0.19	U	0.2	U	0.2	U	1.1	U	0.19	U
2-Methylnaphthalene	NC	NC	NC	mg/kg	0.23	U	0.25	J	0.23	U	0.26	U	0.049	J	0.24	U	0.24	U	2.5		0.23	U
2-Methylphenol	0.33	100	0.33	mg/kg	0.19	U	1.3	U	0.19	U	0.22	U	0.19	U	0.2	U	0.2	U	1.1	U	0.19	U
2-Nitroaniline	NC	NC	NC	mg/kg	0.19	U	1.3	U	0.19	U	0.22	U	0.19	U	0.2	U	0.2	U	1.1	U	0.19	U
2-Nitrophenol	NC	NC	NC	mg/kg	0.42	U	2.8	U	0.41	U	0.47	U	0.42	U	0.42	U	0.42	U	2.3	U	0.41	U
3,3'-Dichlorobenzidine	NC	NC	NC	mg/kg	0.19	U	1.3	U	0.19	U	0.22	U	0.19	U	0.2	U	0.2	U	1.1	U	0.19	U
3-Methylphenol/4-Methylphenol	0.33	100	0.33	mg/kg	0.28	U	1.8	U	0.27	U	0.31	U	0.28	U	0.28	U	0.28	U	0.35	J	0.27	U
3-Nitroaniline	NC	NC	NC	mg/kg	0.19	U	1.3	U	0.19	U	0.22	U	0.19	U	0.2	U	0.2	U	1.1	U	0.19	U
4,6-Dinitro-o-cresol	NC	NC	NC	mg/kg	0.5	U	3.3	U	0.49	U	0.57	U	0.5	U	0.51	U	0.51	U	2.8	U	0.5	U
4-Bromophenyl phenyl ether	NC	NC	NC	mg/kg	0.19	U	1.3	U	0.19	U	0.22	U	0.19	U	0.2	U	0.2	U	1.1	U	0.19	U
4-Chloroaniline	NC	NC	NC	mg/kg	0.19	U	1.3	U	0.19	U	0.22	U	0.19	U	0.2	U	0.2	U	1.1	U	0.19	U
4-Chlorophenyl phenyl ether	NC	NC	NC	mg/kg	0.19	U	1.3	U	0.19	U	0.22	U	0.19	U	0.2	U	0.2	U	1.1	U	0.19	U
4-Nitroaniline	NC	NC	NC	mg/kg	0.19	U	1.3	U	0.19	U	0.22	U	0.19	U	0.2	U	0.2	U	1.1	U	0.19	U
4-Nitrophenol	NC	NC	NC	mg/kg	0.27	U	1.8	U	0.27	U	0.3	U	0.27	U	0.27	U	0.27	U	1.5	U	0.27	U
Acenaphthene	20	100	98	mg/kg	0.15	U	0.93	J	0.15	U	0.17	U	0.14	J	0.16	U	0.16	U	6.8		0.15	U
Acenaphthylene	100	100	107	mg/kg	0.15	U	2.4		0.15	U	0.17	U	0.33		0.16	U	0.16	U	7.1		0.15	U
Acetophenone	NC	NC	NC	mg/kg	0.19	U	1.3	U	0.19	U	0.22	U	0.032	J	0.2	U	0.2	U	1.1	U	0.19	U
Anthracene	100	100	1000	mg/kg	0.12	U	5.1		0.11	U	0.13	U	0.66		0.12	U	0.12	U	24		0.11	U
Benzo(a)anthracene	1	1	1	mg/kg	0.12	U	14		0.11	U	0.13	U	2.6		0.12	U	0.12	U	73		0.046	J
Benzo(a)pyrene	1	1	22	mg/kg	0.15	U	13		0.15	U	0.17	U	2.8		0.16	U	0.16	U	57		0.15	U
Benzo(b)fluoranthene	1	1	1.7	mg/kg	0.12	U	17		0.11	U	0.13	U	3.2		0.12	U	0.12	U	76		0.05	J
Benzo(ghi)perylene	100	100	1000	mg/kg	0.15	U	9.2		0.15	U	0.17	U	1.5		0.16	U	0.16	U	29		0.024	J
Benzo(k)fluoranthene	0.8	3.9	1.7	mg/kg	0.12	U	5.6		0.11	U	0.13	U	1.2		0.12	U	0.12	U	11		0.11	U
Benzoic Acid	NC	NC	NC	mg/kg	0.62	U	4.1	U	0.62	U	0.71	U	0.63	U	0.63	U	0.63	U	3.5	U	0.62	U
Benzyl Alcohol	NC	NC	NC	mg/kg	0.19	U	1.3	U	0.19	U	0.22	U	0.19	U	0.2	U	0.2	U	1.1	U	0.19	U
Biphenyl	NC	NC	NC	mg/kg	0.44	U	2.9	U	0.43	U	0.5	U	0.44	U	0.45	U	0.45	U	0.6	J	0.44	U
Bis(2-chloroethoxy)methane	NC	NC	NC	mg/kg	0.21	U	1.4	U	0.2	U	0.24	U	0.21	U	0.21	U	0.21	U	1.2	U	0.21	U
Bis(2-chloroethyl)ether	NC	NC	NC	mg/kg	0.17	U	1.1	U	0.17	U	0.2	U	0.17	U	0.18	U	0.18	U	0.96	U	0.17	U
Bis(2-chloroisopropyl)ether	NC	NC	NC	mg/kg	0.23	U	1.5	U	0.23	U	0.26	U	0.23	U	0.24	U	0.24	U	1.3	U	0.23	U
Bis(2-ethylhexyl)phthalate	NC	NC	NC	mg/kg	0.19	U	12		0.19	U	0.22	U	0.54		0.2	U	0.2	U	1.1	U	0.19	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

					LOCATION	SB-26 (12-13)		SB-27 (3-4)		SB-27 (7-8)		SB-27 (13-14)		SB-28 (2-3)		SB-28 (6-7)		SB-28 (12-13)		SB-29 (3-4)		SB-29 (6-7)	
					SAMPLING DATE	12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020	
					LAB SAMPLE ID	L2054336-03		L2054336-04		L2054336-05		L2054336-06		L2054336-07		L2054336-08		L2054336-09		L2054336-10		L2054336-11	
					SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units		Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Semivolatile Organics by GC/MS																							
Butyl benzyl phthalate	NC	NC	NC	mg/kg		0.19	U	1.3	U	0.19	U	0.22	U	0.19	U	0.2	U	0.2	U	1.1	U	0.19	U
Carbazole	NC	NC	NC	mg/kg		0.19	U	1.8		0.19	U	0.22	U	0.3		0.2	U	0.2	U	6.8		0.19	U
Chrysene	1	3.9	1	mg/kg		0.12	U	13		0.11	U	0.13	U	2.5		0.12	U	0.12	U	67		0.045	J
Di-n-butylphthalate	NC	NC	NC	mg/kg		0.19	U	1.3	U	0.19	U	0.22	U	0.19	U	0.2	U	0.2	U	1.1	U	0.19	U
Di-n-octylphthalate	NC	NC	NC	mg/kg		0.19	U	1.3	U	0.19	U	0.22	U	0.19	U	0.2	U	0.2	U	1.1	U	0.19	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	mg/kg		0.12	U	2.4		0.11	U	0.13	U	0.39		0.12	U	0.12	U	9.9		0.11	U
Dibenzofuran	7	59	210	mg/kg		0.19	U	0.63	J	0.19	U	0.22	U	0.094	J	0.2	U	0.2	U	6		0.19	U
Diethyl phthalate	NC	NC	NC	mg/kg		0.19	U	1.3	U	0.19	U	0.22	U	0.19	U	0.2	U	0.2	U	1.1	U	0.19	U
Dimethyl phthalate	NC	NC	NC	mg/kg		0.19	U	1.3	U	0.19	U	0.22	U	0.19	U	0.2	U	0.2	U	1.1	U	0.19	U
Fluoranthene	100	100	1000	mg/kg		0.12	U	24		0.11	U	0.13	U	5		0.12	U	0.12	U	140		0.094	J
Fluorene	30	100	386	mg/kg		0.19	U	1.2	J	0.19	U	0.22	U	0.19		0.2	U	0.2	U	11		0.19	U
Hexachlorobenzene	0.33	1.2	3.2	mg/kg		0.12	U	0.76	U	0.11	U	0.13	U	0.12	U	0.12	U	0.12	U	0.64	U	0.11	U
Hexachlorobutadiene	NC	NC	NC	mg/kg		0.19	U	1.3	U	0.19	U	0.22	U	0.19	U	0.2	U	0.2	U	1.1	U	0.19	U
Hexachlorocyclopentadiene	NC	NC	NC	mg/kg		0.55	U	3.6	U	0.54	U	0.62	U	0.55	U	0.56	U	0.56	U	3	U	0.54	U
Hexachloroethane	NC	NC	NC	mg/kg		0.15	U	1	U	0.15	U	0.17	U	0.15	U	0.16	U	0.16	U	0.85	U	0.15	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	mg/kg		0.15	U	9.1		0.15	U	0.17	U	1.7		0.16	U	0.16	U	30		0.15	U
Isophorone	NC	NC	NC	mg/kg		0.17	U	1.1	U	0.17	U	0.2	U	0.17	U	0.18	U	0.18	U	0.96	U	0.17	U
n-Nitrosodi-n-propylamine	NC	NC	NC	mg/kg		0.19	U	1.3	U	0.19	U	0.22	U	0.19	U	0.2	U	0.2	U	1.1	U	0.19	U
Naphthalene	12	100	12	mg/kg		0.19	U	0.58	J	0.19	U	0.22	U	0.15	J	0.2	U	0.2	U	5		0.19	U
NDPA/DPA	NC	NC	NC	mg/kg		0.15	U	1	U	0.15	U	0.17	U	0.15	U	0.16	U	0.16	U	0.85	U	0.15	U
Nitrobenzene	NC	NC	NC	mg/kg		0.17	U	1.1	U	0.17	U	0.2	U	0.17	U	0.18	U	0.18	U	0.96	U	0.17	U
p-Chloro-m-cresol	NC	NC	NC	mg/kg		0.19	U	1.3	U	0.19	U	0.22	U	0.19	U	0.2	U	0.2	U	1.1	U	0.19	U
Pentachlorophenol	0.8	6.7	0.8	mg/kg		0.15	U	1	U	0.15	U	0.17	U	0.15	U	0.16	U	0.16	U	0.85	U	0.15	U
Phenanthrene	100	100	1000	mg/kg		0.12	U	16		0.11	U	0.13	U	2.7		0.12	U	0.12	U	100		0.055	J
Phenol	0.33	100	0.33	mg/kg		0.19	U	1.3	U	0.19	U	0.22	U	0.19	U	0.2	U	0.2	U	0.16	J	0.19	U
Pyrene	100	100	1000	mg/kg		0.12	U	22		0.11	U	0.13	U	4.3		0.12	U	0.12	U	130		0.088	J

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SB-29 (12-13)		SB-30 (3-4)		SB-30 (7-8)		SB-30 (13-14)		SB-31 (4-5)		SB-31 (8-9)		SB-31 (11-12)		DUP-12/4	
				SAMPLING DATE	12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020	
				LAB SAMPLE ID	L2054336-12		L2054336-13		L2054336-14		L2054336-15		L2054336-16		L2054336-17		L2054336-18		L2054336-19	
				SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Semivolatile Organics by GC/MS																				
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	mg/kg	0.2	U	0.96	U	0.19	U	0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
1,2,4-Trichlorobenzene	NC	NC	NC	mg/kg	0.2	U	0.96	U	0.19	U	0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
1,2-Dichlorobenzene	1.1	100	1.1	mg/kg	0.2	U	0.96	U	0.19	U	0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
1,3-Dichlorobenzene	2.4	49	2.4	mg/kg	0.2	U	0.96	U	0.19	U	0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
1,4-Dichlorobenzene	1.8	13	1.8	mg/kg	0.2	U	0.96	U	0.19	U	0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
1,4-Dioxane	0.1	13	0.1	mg/kg	0.029	U	0.14	U	0.029	U	0.03	U	0.027	U	0.03	U	0.03	U	0.027	U
2,4,5-Trichlorophenol	NC	NC	NC	mg/kg	0.2	U	0.96	U	0.19	U	0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
2,4,6-Trichlorophenol	NC	NC	NC	mg/kg	0.12	U	0.57	U	0.12	U	0.12	U	0.11	U	0.12	U	0.12	U	0.11	U
2,4-Dichlorophenol	NC	NC	NC	mg/kg	0.18	U	0.86	U	0.17	U	0.18	U	0.16	U	0.18	U	0.18	U	0.16	U
2,4-Dimethylphenol	NC	NC	NC	mg/kg	0.2	U	0.96	U	0.19	U	0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
2,4-Dinitrophenol	NC	NC	NC	mg/kg	0.94	U	4.6	U	0.93	U	0.96	U	0.88	U	0.96	U	0.95	U	0.86	U
2,4-Dinitrotoluene	NC	NC	NC	mg/kg	0.2	U	0.96	U	0.19	U	0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
2,6-Dinitrotoluene	NC	NC	NC	mg/kg	0.2	U	0.96	U	0.19	U	0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
2-Chloronaphthalene	NC	NC	NC	mg/kg	0.2	U	0.96	U	0.19	U	0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
2-Chlorophenol	NC	NC	NC	mg/kg	0.2	U	0.96	U	0.19	U	0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
2-Methylnaphthalene	NC	NC	NC	mg/kg	0.23	U	22		0.23		0.24	U	0.22	U	0.24	U	0.24	U	0.21	U
2-Methylphenol	0.33	100	0.33	mg/kg	0.2	U	0.96	U	0.19	U	0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
2-Nitroaniline	NC	NC	NC	mg/kg	0.2	U	0.96	U	0.19	U	0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
2-Nitrophenol	NC	NC	NC	mg/kg	0.42	U	2.1	U	0.42	U	0.43	U	0.39	U	0.43	U	0.43	U	0.39	U
3,3'-Dichlorobenzidine	NC	NC	NC	mg/kg	0.2	U	0.96	U	0.19	U	0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	100	0.33	mg/kg	0.28	U	0.99	J	0.28	U	0.29	U	0.26	U	0.29	U	0.29	U	0.26	U
3-Nitroaniline	NC	NC	NC	mg/kg	0.2	U	0.96	U	0.19	U	0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
4,6-Dinitro-o-cresol	NC	NC	NC	mg/kg	0.51	U	2.5	U	0.5	U	0.52	U	0.48	U	0.52	U	0.52	U	0.46	U
4-Bromophenyl phenyl ether	NC	NC	NC	mg/kg	0.2	U	0.96	U	0.19	U	0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
4-Chloroaniline	NC	NC	NC	mg/kg	0.2	U	0.96	U	0.19	U	0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
4-Chlorophenyl phenyl ether	NC	NC	NC	mg/kg	0.2	U	0.96	U	0.19	U	0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
4-Nitroaniline	NC	NC	NC	mg/kg	0.2	U	0.96	U	0.19	U	0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
4-Nitrophenol	NC	NC	NC	mg/kg	0.27	U	1.3	U	0.27	U	0.28	U	0.26	U	0.28	U	0.28	U	0.25	U
Acenaphthene	20	100	98	mg/kg	0.16	U	25		0.27		0.16	U	0.15	U	0.16	U	0.16	U	0.14	U
Acenaphthylene	100	100	107	mg/kg	0.16	U	4.3		0.04	J	0.16	U	0.15	U	0.16	U	0.16	U	0.14	U
Acetophenone	NC	NC	NC	mg/kg	0.2	U	0.96	U	0.19	U	0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
Anthracene	100	100	1000	mg/kg	0.12	U	51	E	0.76		0.12	U	0.11	U	0.12	U	0.12	U	0.11	U
Benzo(a)anthracene	1	1	1	mg/kg	0.12	U	68		0.82		0.12	U	0.068	J	0.12	U	0.12	U	0.11	U
Benzo(a)pyrene	1	1	22	mg/kg	0.16	U	55		0.69		0.16	U	0.062	J	0.16	U	0.16	U	0.14	U
Benzo(b)fluoranthene	1	1	1.7	mg/kg	0.12	U	65		0.84		0.12	U	0.087	J	0.12	U	0.12	U	0.11	U
Benzo(ghi)perylene	100	100	1000	mg/kg	0.16	U	33		0.37		0.16	U	0.035	J	0.16	U	0.16	U	0.14	U
Benzo(k)fluoranthene	0.8	3.9	1.7	mg/kg	0.12	U	16		0.26		0.12	U	0.029	J	0.12	U	0.12	U	0.11	U
Benzoic Acid	NC	NC	NC	mg/kg	0.63	U	3.1	U	0.63	U	0.65	U	0.59	U	0.65	U	0.64	U	0.58	U
Benzyl Alcohol	NC	NC	NC	mg/kg	0.2	U	0.96	U	0.19	U	0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
Biphenyl	NC	NC	NC	mg/kg	0.44	U	7		0.077	J	0.46	U	0.42	U	0.46	U	0.45	U	0.41	U
Bis(2-chloroethoxy)methane	NC	NC	NC	mg/kg	0.21	U	1	U	0.21	U	0.22	U	0.2	U	0.22	U	0.21	U	0.19	U
Bis(2-chloroethyl)ether	NC	NC	NC	mg/kg	0.18	U	0.86	U	0.17	U	0.18	U	0.16	U	0.18	U	0.18	U	0.16	U
Bis(2-chloroisopropyl)ether	NC	NC	NC	mg/kg	0.23	U	1.1	U	0.23	U	0.24	U	0.22	U	0.24	U	0.24	U	0.21	U
Bis(2-ethylhexyl)phthalate	NC	NC	NC	mg/kg	0.2	U	0.96	U	0.19	U	0.2	U	0.18	U	0.2	U	0.2	U	0.18	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SB-29 (12-13)		SB-30 (3-4)		SB-30 (7-8)		SB-30 (13-14)		SB-31 (4-5)		SB-31 (8-9)		SB-31 (11-12)		DUP-12/4	
				SAMPLING DATE	12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020	
				LAB SAMPLE ID	L2054336-12		L2054336-13		L2054336-14		L2054336-15		L2054336-16		L2054336-17		L2054336-18		L2054336-19	
				SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Semivolatile Organics by GC/MS																				
Butyl benzyl phthalate	NC	NC	NC	mg/kg	0.2	U	0.96	U	0.19	U	0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
Carbazole	NC	NC	NC	mg/kg	0.2	U	31		0.42		0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
Chrysene	1	3.9	1	mg/kg	0.12	U	61		0.75		0.12	U	0.065	J	0.12	U	0.12	U	0.11	U
Di-n-butylphthalate	NC	NC	NC	mg/kg	0.2	U	0.96	U	0.19	U	0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
Di-n-octylphthalate	NC	NC	NC	mg/kg	0.2	U	0.96	U	0.19	U	0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	mg/kg	0.12	U	11		0.093	J	0.12	U	0.11	U	0.12	U	0.12	U	0.11	U
Dibenzofuran	7	59	210	mg/kg	0.2	U	34		0.46		0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
Diethyl phthalate	NC	NC	NC	mg/kg	0.2	U	0.96	U	0.19	U	0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
Dimethyl phthalate	NC	NC	NC	mg/kg	0.2	U	0.96	U	0.19	U	0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
Fluoranthene	100	100	1000	mg/kg	0.12	U	160		2.1		0.12	U	0.15		0.12	U	0.12	U	0.11	U
Fluorene	30	100	386	mg/kg	0.2	U	30		0.33		0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
Hexachlorobenzene	0.33	1.2	3.2	mg/kg	0.12	U	0.57	U	0.12	U	0.12	U	0.11	U	0.12	U	0.12	U	0.11	U
Hexachlorobutadiene	NC	NC	NC	mg/kg	0.2	U	0.96	U	0.19	U	0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
Hexachlorocyclopentadiene	NC	NC	NC	mg/kg	0.56	U	2.7	U	0.56	U	0.57	U	0.52	U	0.58	U	0.57	U	0.51	U
Hexachloroethane	NC	NC	NC	mg/kg	0.16	U	0.76	U	0.16	U	0.16	U	0.15	U	0.16	U	0.16	U	0.14	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	mg/kg	0.16	U	34		0.4		0.16	U	0.036	J	0.16	U	0.16	U	0.14	U
Isophorone	NC	NC	NC	mg/kg	0.18	U	0.86	U	0.17	U	0.18	U	0.16	U	0.18	U	0.18	U	0.16	U
n-Nitrosodi-n-propylamine	NC	NC	NC	mg/kg	0.2	U	0.96	U	0.19	U	0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
Naphthalene	12	100	12	mg/kg	0.2	U	87		0.69		0.2	U	0.035	J	0.2	U	0.2	U	0.18	U
NDPA/DPA	NC	NC	NC	mg/kg	0.16	U	0.76	U	0.16	U	0.16	U	0.15	U	0.16	U	0.16	U	0.14	U
Nitrobenzene	NC	NC	NC	mg/kg	0.18	U	0.86	U	0.17	U	0.18	U	0.16	U	0.18	U	0.18	U	0.16	U
p-Chloro-m-cresol	NC	NC	NC	mg/kg	0.2	U	0.96	U	0.19	U	0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
Pentachlorophenol	0.8	6.7	0.8	mg/kg	0.16	U	0.76	U	0.16	U	0.16	U	0.15	U	0.16	U	0.16	U	0.14	U
Phenanthrene	100	100	1000	mg/kg	0.12	U	220		3		0.12	U	0.12		0.12	U	0.12	U	0.11	U
Phenol	0.33	100	0.33	mg/kg	0.2	U	1.8		0.048	J	0.2	U	0.18	U	0.2	U	0.2	U	0.18	U
Pyrene	100	100	1000	mg/kg	0.12	U	130		1.7		0.12	U	0.12		0.12	U	0.12	U	0.11	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SB-15 (3-3.5)(OER		SB-15 (7.5-8.0)(OER		SB-15 (14-14.5)(OER		SB-16 (2.5-3.0)(OER)		SB-16 (8-8.5)(OER		SB-16 (12-12.5)(OER		SB-17 (4-4.5)(OER		SB-17 (9-9.5)(OER		SB-17 (10-10.5)(O
				SAMPLING DATE	9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020
				LAB SAMPLE ID	L2040027-01		L2040027-02		L2040027-03		L2040027-04		L2040027-05		L2040027-06		L2040027-07		L2040027-08		L2040027-09
				SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL
	USCO	RRSCO	PGW	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results
Organochlorine Pesticides by GC																					
4,4'-DDD	0.0033	13	14	mg/kg	0.216		0.00171	U	0.00194	U	0.00599		0.00163	U	0.0019	U	0.00156	U	0.00182	U	0.00259
4,4'-DDE	0.0033	8.9	17	mg/kg	0.0564		0.00171	U	0.00194	U	0.00284		0.00163	U	0.0019	U	0.00156	U	0.000469	J	0.00261
4,4'-DDT	0.0033	7.9	136	mg/kg	0.0636	IP	0.00321	U	0.00365	U	0.00318	JIP	0.00306	U	0.00356	U	0.00294	U	0.0034	U	0.00955
Aldrin	0.005	0.097	0.19	mg/kg	0.018	U	0.00171	U	0.00194	U	0.00178	U	0.00163	U	0.0019	U	0.00156	U	0.00182	U	0.00178
Alpha-BHC	0.02	0.48	0.02	mg/kg	0.00751	U	0.000714	U	0.000811	U	0.000744	U	0.00068	U	0.000792	U	0.000652	U	0.000756	U	0.000743
Beta-BHC	0.036	0.36	0.09	mg/kg	0.018	U	0.00171	U	0.00194	U	0.00178	U	0.00163	U	0.0019	U	0.00156	U	0.00182	U	0.00178
Chlordane	NC	NC	NC	mg/kg	0.15	U	0.0143	U	0.0162	U	0.0149	U	0.0136	U	0.0158	U	0.013	U	0.0151	U	0.0306
cis-Chlordane	0.094	4.2	2.9	mg/kg	0.0303	P	0.00214	U	0.00243	U	0.00104	JP	0.00204	U	0.00238	U	0.00196	U	0.00227	U	0.00334
Delta-BHC	0.04	100	0.25	mg/kg	0.018	U	0.00171	U	0.00194	U	0.00178	U	0.00163	U	0.0019	U	0.00156	U	0.00182	U	0.00178
Dieldrin	0.005	0.2	0.1	mg/kg	0.0113	U	0.00107	U	0.00122	U	0.000818	J	0.00102	U	0.00119	U	0.000978	U	0.00113	U	0.00115
Endosulfan I	2.4	24	102	mg/kg	0.018	U	0.00171	U	0.00194	U	0.00178	U	0.00163	U	0.0019	U	0.00156	U	0.00182	U	0.00178
Endosulfan II	2.4	24	102	mg/kg	0.018	U	0.00171	U	0.00194	U	0.00178	U	0.00163	U	0.0019	U	0.00156	U	0.00182	U	0.00178
Endosulfan sulfate	2.4	24	1000	mg/kg	0.00751	U	0.000714	U	0.000811	U	0.000744	U	0.00068	U	0.000792	U	0.000652	U	0.000756	U	0.000743
Endrin	0.014	11	0.06	mg/kg	0.00751	U	0.000714	U	0.000811	U	0.000744	U	0.00068	U	0.000792	U	0.000652	U	0.000756	U	0.000743
Endrin aldehyde	NC	NC	NC	mg/kg	0.0225	U	0.00214	U	0.00243	U	0.00223	U	0.00204	U	0.00238	U	0.00196	U	0.00227	U	0.00223
Endrin ketone	NC	NC	NC	mg/kg	0.018	U	0.00171	U	0.00194	U	0.00178	U	0.00163	U	0.0019	U	0.00156	U	0.00182	U	0.00178
Heptachlor	0.042	2.1	0.38	mg/kg	0.00901	U	0.000857	U	0.000973	U	0.000425	J	0.000816	U	0.00095	U	0.000783	U	0.000908	U	0.000891
Heptachlor epoxide	NC	NC	NC	mg/kg	0.0338	U	0.00321	U	0.00365	U	0.00335	U	0.00306	U	0.00356	U	0.00294	U	0.0034	U	0.00334
Lindane	0.1	1.3	0.1	mg/kg	0.00751	U	0.000714	U	0.000811	U	0.000744	U	0.00068	U	0.000792	U	0.000652	U	0.000756	U	0.000743
Methoxychlor	NC	NC	NC	mg/kg	0.0338	U	0.00321	U	0.00365	U	0.00335	U	0.00306	U	0.00356	U	0.00294	U	0.0034	U	0.00334
Toxaphene	NC	NC	NC	mg/kg	0.338	U	0.0321	U	0.0365	U	0.0335	U	0.0306	U	0.0356	U	0.0294	U	0.034	U	0.0334
trans-Chlordane	NC	NC	NC	mg/kg	0.0114	JIP	0.00214	U	0.00243	U	0.00086	JIP	0.00204	U	0.00238	U	0.00196	U	0.00227	U	0.00207

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

						LOCATION	ER	SB-18 (3.5-4.0)(OER		SB-18 (7-7.5)(OER		SB-19 (2.5-3.0)(OER		SB-19 (7.5-8.0)(OER		SB-19 (10-10.5)(OER		SB-20 (4.5-5.0)(OER		SB-20 (6.5-7.0)(OER		SB-20 (11-11.5)(OER	
						SAMPLING DATE		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020	
						LAB SAMPLE ID		L2040027-10		L2040027-11		L2040027-12		L2040027-13		L2040027-14		L2040027-15		L2040027-16		L2040027-17	
						SAMPLE TYPE		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Organochlorine Pesticides by GC																							
4,4'-DDD	0.0033	13	14	mg/kg		0.0294		0.00184	U	0.0943	P	0.00196	U	0.444	P	0.134	IP	0.0017	U	0.00188	U		
4,4'-DDE	0.0033	8.9	17	mg/kg		0.0104		0.00184	U	0.0218		0.00196	U	0.0673		0.0189	IP	0.0017	U	0.00188	U		
4,4'-DDT	0.0033	7.9	136	mg/kg		0.00456	IP	0.00346	U	0.0255		0.00367	U	0.111		0.00781	IP	0.00318	U	0.00352	U		
Aldrin	0.005	0.097	0.19	mg/kg	U	0.00192	U	0.00184	U	0.00167	U	0.00196	U	0.00191	U	0.0018	U	0.0017	U	0.00188	U		
Alpha-BHC	0.02	0.48	0.02	mg/kg	U	0.000802	U	0.000769	U	0.000696	U	0.000815	U	0.000797	U	0.000751	U	0.000707	U	0.000783	U		
Beta-BHC	0.036	0.36	0.09	mg/kg	U	0.00192	U	0.00184	U	0.00167	U	0.00196	U	0.00191	U	0.0018	U	0.0017	U	0.00188	U		
Chlordane	NC	NC	NC	mg/kg		0.0533	P	0.0154	U	0.0139	U	0.0163	U	0.104		0.25	P	0.0141	U	0.0156	U		
cis-Chlordane	0.094	4.2	2.9	mg/kg		0.00492		0.00231	U	0.0176		0.00244	U	0.012		0.0327		0.00212	U	0.00235	U		
Delta-BHC	0.04	100	0.25	mg/kg	U	0.00192	U	0.00184	U	0.00167	U	0.00196	U	0.00191	U	0.0018	U	0.0017	U	0.00188	U		
Dieldrin	0.005	0.2	0.1	mg/kg	IP	0.0012	U	0.00115	U	0.00104	U	0.00122	U	0.00192	IP	0.00657		0.00106	U	0.00117	U		
Endosulfan I	2.4	24	102	mg/kg	U	0.00192	U	0.00184	U	0.00167	U	0.00196	U	0.00191	U	0.0018	U	0.0017	U	0.00188	U		
Endosulfan II	2.4	24	102	mg/kg	U	0.00192	U	0.00184	U	0.00167	U	0.00196	U	0.00191	U	0.00373	IP	0.0017	U	0.00188	U		
Endosulfan sulfate	2.4	24	1000	mg/kg	U	0.000802	U	0.000769	U	0.000696	U	0.000815	U	0.000797	U	0.000751	U	0.000707	U	0.000783	U		
Endrin	0.014	11	0.06	mg/kg	U	0.000802	U	0.000769	U	0.000696	U	0.000815	U	0.000797	U	0.000751	U	0.000707	U	0.000783	U		
Endrin aldehyde	NC	NC	NC	mg/kg	U	0.0024	U	0.00231	U	0.00209	U	0.00244	U	0.00239	U	0.00225	U	0.00212	U	0.00235	U		
Endrin ketone	NC	NC	NC	mg/kg	U	0.00192	U	0.00184	U	0.00167	U	0.00196	U	0.00191	U	0.0018	U	0.0017	U	0.00188	U		
Heptachlor	0.042	2.1	0.38	mg/kg	U	0.000962	U	0.000923	U	0.000836	U	0.000978	U	0.000956	U	0.000901	U	0.000848	U	0.00094	U		
Heptachlor epoxide	NC	NC	NC	mg/kg	U	0.00361	U	0.00346	U	0.00758		0.00367	U	0.00358	U	0.00338	U	0.00318	U	0.00352	U		
Lindane	0.1	1.3	0.1	mg/kg	U	0.000802	U	0.000769	U	0.000696	U	0.000815	U	0.000797	U	0.000751	U	0.000707	U	0.000783	U		
Methoxychlor	NC	NC	NC	mg/kg	U	0.00361	U	0.00346	U	0.00313	U	0.00367	U	0.00358	U	0.00338	U	0.00318	U	0.00352	U		
Toxaphene	NC	NC	NC	mg/kg	U	0.0361	U	0.0346	U	0.0313	U	0.0367	U	0.0358	U	0.0338	U	0.0318	U	0.0352	U		
trans-Chlordane	NC	NC	NC	mg/kg	JIP	0.00385	IP	0.00231	U	0.00702	IP	0.00244	U	0.0135	IP	0.0193	IP	0.000921	J	0.00235	U		

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

					LOCATION		SB-21 (3-3.5)(OER		SB-21 (9-9.5)(OER		SB-21 (12-12.5)(OER		SB-22 (4.5-5.0)(OER		SB-22 (7.5-8.0)(OER		SB-22 (11-11.5)(OER		SB-18 (13-13.5)(OER		SB-23 (4.5-5.0)(OER)	
					SAMPLING DATE		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/24/2020	
					LAB SAMPLE ID		L2040027-18		L2040027-19		L2040027-20		L2040027-21		L2040027-22		L2040027-23		L2040027-24		L2040317-01	
					SAMPLE TYPE		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Organochlorine Pesticides by GC																						
4,4'-DDD	0.0033	13	14	mg/kg	0.0393		0.0883	IP	0.0276		0.0219		0.00166	U	0.00182	U	0.00191	U	0.0252			
4,4'-DDE	0.0033	8.9	17	mg/kg	0.0142		0.0205		0.00469		0.0244		0.00166	U	0.00182	U	0.00191	U	0.105			
4,4'-DDT	0.0033	7.9	136	mg/kg	0.0112	J	0.00791		0.00455		0.0763		0.00311	U	0.0034	U	0.00358	U	203			
Aldrin	0.005	0.097	0.19	mg/kg	0.00856	U	0.00191	U	0.00188	U	0.00821	U	0.00166	U	0.00182	U	0.00191	U	0.00177	U		
Alpha-BHC	0.02	0.48	0.02	mg/kg	0.00356	U	0.000797	U	0.000782	U	0.00342	U	0.000691	U	0.000756	U	0.000795	U	0.00074	U		
Beta-BHC	0.036	0.36	0.09	mg/kg	0.00856	U	0.00191	U	0.00188	U	0.00821	U	0.00166	U	0.00182	U	0.00191	U	0.00177	U		
Chlordane	NC	NC	NC	mg/kg	0.0713	U	0.0159	U	0.0156	U	0.0684	U	0.0138	U	0.0151	U	0.0159	U	0.179			
cis-Chlordane	0.094	4.2	2.9	mg/kg	0.00374	J	0.00796	P	0.00137	J	0.00691	J	0.00207	U	0.00227	U	0.00238	U	0.017	IP		
Delta-BHC	0.04	100	0.25	mg/kg	0.00856	U	0.00191	U	0.00188	U	0.00821	U	0.00166	U	0.00182	U	0.00191	U	0.00177	U		
Dieldrin	0.005	0.2	0.1	mg/kg	0.00535	U	0.00501		0.00117	U	0.00585		0.00104	U	0.00113	U	0.00119	U	0.11			
Endosulfan I	2.4	24	102	mg/kg	0.00856	U	0.00191	U	0.00188	U	0.00821	U	0.00166	U	0.00182	U	0.00191	U	0.00177	U		
Endosulfan II	2.4	24	102	mg/kg	0.00856	U	0.00191	U	0.00188	U	0.00821	U	0.00166	U	0.00182	U	0.00191	U	0.00177	U		
Endosulfan sulfate	2.4	24	1000	mg/kg	0.00356	U	0.000797	U	0.000782	U	0.00342	U	0.000691	U	0.000756	U	0.000795	U	0.00074	U		
Endrin	0.014	11	0.06	mg/kg	0.00356	U	0.000797	U	0.000782	U	0.00342	U	0.000691	U	0.000756	U	0.000795	U	0.00074	U		
Endrin aldehyde	NC	NC	NC	mg/kg	0.0107	U	0.00239	U	0.00235	U	0.0103	U	0.00207	U	0.00227	U	0.00238	U	0.00222	U		
Endrin ketone	NC	NC	NC	mg/kg	0.00856	U	0.00191	U	0.00188	U	0.00821	U	0.00166	U	0.00182	U	0.00191	U	0.00177	U		
Heptachlor	0.042	2.1	0.38	mg/kg	0.00428	U	0.000956	U	0.000939	U	0.00411	U	0.00083	U	0.000908	U	0.000954	U	0.000887	U		
Heptachlor epoxide	NC	NC	NC	mg/kg	0.016	U	0.00359	U	0.00352	U	0.0154	U	0.00311	U	0.0034	U	0.00358	U	0.00254	JIP		
Lindane	0.1	1.3	0.1	mg/kg	0.00356	U	0.000797	U	0.000782	U	0.00342	U	0.000691	U	0.000756	U	0.000795	U	0.00074	U		
Methoxychlor	NC	NC	NC	mg/kg	0.016	U	0.00359	U	0.00352	U	0.0154	U	0.00311	U	0.0034	U	0.00358	U	0.00333	U		
Toxaphene	NC	NC	NC	mg/kg	0.16	U	0.0359	U	0.0352	U	0.154	U	0.0311	U	0.034	U	0.0358	U	0.0333	U		
trans-Chlordane	NC	NC	NC	mg/kg	0.00529	JIP	0.00506	IP	0.00141	JIP	0.00973	J	0.00207	U	0.00227	U	0.00238	U	0.0187			

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

					LOCATION	SB-23 (7.5-8.0)(OER		SB-23 (11.5-12.0)(OER		SB-24 (3-3.5)(OER		SB-24 (6-6.5)(OER		SB-24 (14-14.5)(OER		SB-25 (3-3.5)(OER		SB-25 (6.5-7.0)(OER		SB-25 (13-13.5)(OER		SB-15 (4.5-5
					SAMPLING DATE	9/24/2020		9/24/2020		9/24/2020		9/24/2020		9/24/2020		9/24/2020		9/24/2020		9/24/2020		10/27/2020
					LAB SAMPLE ID	L2040317-02		L2040317-03		L2040317-04		L2040317-05		L2040317-06		L2040317-07		L2040317-08		L2040317-09		L2046926-0
					SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL
	USCO	RRSCO	PGW	Units		Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results
Organochlorine Pesticides by GC																						
4,4'-DDD	0.0033	13	14	mg/kg		0.00153	J	0.00183	U	0.0184		0.00183	U	0.00211	U	0.0578		0.00195	U	0.00201	U	0.0342
4,4'-DDE	0.0033	8.9	17	mg/kg		0.0263		0.00123	J	0.0838		0.00183	U	0.00211	U	0.0135		0.00195	U	0.00201	U	0.0155
4,4'-DDT	0.0033	7.9	136	mg/kg		0.0149		0.00344	U	0.273	E	0.00343	U	0.00396	U	0.037	IP	0.00366	U	0.00378	U	0.0431
Aldrin	0.005	0.097	0.19	mg/kg		0.00175	U	0.00183	U	0.00172	U	0.00183	U	0.00211	U	0.00174	U	0.00195	U	0.00201	U	0.00177
Alpha-BHC	0.02	0.48	0.02	mg/kg		0.000729	U	0.000763	U	0.000716	U	0.000763	U	0.000879	U	0.000726	U	0.000813	U	0.00084	U	0.000736
Beta-BHC	0.036	0.36	0.09	mg/kg		0.00175	U	0.00183	U	0.00172	U	0.00183	U	0.00211	U	0.00174	U	0.00195	U	0.00201	U	0.00177
Chlordane	NC	NC	NC	mg/kg		0.0146	U	0.0153	U	0.0143	U	0.0152	U	0.0176	U	0.0145	U	0.0162	U	0.0168	U	0.0935
cis-Chlordane	0.094	4.2	2.9	mg/kg		0.00083	JIP	0.00229	U	0.00441	IP	0.00229	U	0.00264	U	0.0196		0.00244	U	0.00252	U	0.0119
Delta-BHC	0.04	100	0.25	mg/kg		0.00175	U	0.00183	U	0.00172	U	0.00183	U	0.00211	U	0.00174	U	0.00195	U	0.00201	U	0.00177
Dieldrin	0.005	0.2	0.1	mg/kg		0.00109	U	0.00114	U	0.00107	U	0.00114	U	0.00132	U	0.00109	U	0.00122	U	0.00126	U	0.0011
Endosulfan I	2.4	24	102	mg/kg		0.00175	U	0.00183	U	0.00172	U	0.00183	U	0.00211	U	0.00174	U	0.00195	U	0.00201	U	0.00177
Endosulfan II	2.4	24	102	mg/kg		0.00175	U	0.00183	U	0.00172	U	0.00183	U	0.00211	U	0.00174	U	0.00195	U	0.00201	U	0.00177
Endosulfan sulfate	2.4	24	1000	mg/kg		0.000729	U	0.000763	U	0.000716	U	0.000763	U	0.000879	U	0.000726	U	0.000813	U	0.00084	U	0.000736
Endrin	0.014	11	0.06	mg/kg		0.000729	U	0.000763	U	0.000716	U	0.000763	U	0.000879	U	0.000726	U	0.000813	U	0.00084	U	0.000736
Endrin aldehyde	NC	NC	NC	mg/kg		0.00219	U	0.00229	U	0.00215	U	0.00229	U	0.00264	U	0.00218	U	0.00244	U	0.00252	U	0.00221
Endrin ketone	NC	NC	NC	mg/kg		0.00175	U	0.00183	U	0.00172	U	0.00183	U	0.00211	U	0.00174	U	0.00195	U	0.00201	U	0.00177
Heptachlor	0.042	2.1	0.38	mg/kg		0.000875	U	0.000916	U	0.000859	U	0.000915	U	0.00105	U	0.000872	U	0.000975	U	0.00101	U	0.000884
Heptachlor epoxide	NC	NC	NC	mg/kg		0.00328	U	0.00344	U	0.00322	U	0.00343	U	0.00396	U	0.00327	U	0.00366	U	0.00378	U	0.00331
Lindane	0.1	1.3	0.1	mg/kg		0.000729	U	0.000763	U	0.000716	U	0.000763	U	0.000879	U	0.000726	U	0.000813	U	0.00084	U	0.000736
Methoxychlor	NC	NC	NC	mg/kg		0.00328	U	0.00344	U	0.00322	U	0.00343	U	0.00396	U	0.00327	U	0.00366	U	0.00378	U	0.00331
Toxaphene	NC	NC	NC	mg/kg		0.0328	U	0.0344	U	0.0322	U	0.0343	U	0.0396	U	0.0327	U	0.0366	U	0.0378	U	0.0331
trans-Chlordane	NC	NC	NC	mg/kg		0.00118	JIP	0.00229	U	0.00392		0.00229	U	0.00264	U	0.0117	IP	0.00244	U	0.00252	U	0.00809

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION		SB-15 (8-8.5)		SB-15 (12.5-13)		SB-16 (4.5-5)		SB-16 (8-8.5)		SB-16 (12.5-13)		SB-26 (2-3)		SB-26 (5-6)		SB-26 (12-13)		SB-27 (3-4)	
				SAMPLING DATE		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020	
				LAB SAMPLE ID		L2046926-02		L2046926-03		L2046926-10		L2046926-11		L2046926-12		L2054336-01		L2054336-02		L2054336-03		L2054336-04	
				SAMPLE TYPE		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Organochlorine Pesticides by GC																							
4,4'-DDD	0.0033	13	14	mg/kg		0.00217		0.0013	J	0.0016	U	0.00186	U	0.00164	J	0.0577		0.000748	JP	0.00185	U	0.106	
4,4'-DDE	0.0033	8.9	17	mg/kg	IP	0.000619	J	0.00209	U	0.0016	U	0.00186	U	0.00188	U	0.036		0.00167	U	0.00185	U	0.0578	
4,4'-DDT	0.0033	7.9	136	mg/kg		0.00389	U	0.00391	U	0.00301	U	0.00348	U	0.00352	U	0.017	U	0.00313	U	0.00347	U	0.0453	U
Aldrin	0.005	0.097	0.19	mg/kg	U	0.00207	U	0.00209	U	0.0016	U	0.00186	U	0.00188	U	0.00905	U	0.00167	U	0.00185	U	0.0241	U
Alpha-BHC	0.02	0.48	0.02	mg/kg	U	0.000864	U	0.00087	U	0.000668	U	0.000773	U	0.000782	U	0.00377	U	0.000695	U	0.000771	U	0.0101	U
Beta-BHC	0.036	0.36	0.09	mg/kg	U	0.00207	U	0.00209	U	0.0016	U	0.00186	U	0.00188	U	0.00905	U	0.00167	U	0.00185	U	0.0241	U
Chlordane	NC	NC	NC	mg/kg	P	0.0173	U	0.0174	U	0.0134	U	0.0155	U	0.0156	U	0.0754	U	0.0139	U	0.0154	U	0.201	U
cis-Chlordane	0.094	4.2	2.9	mg/kg		0.00259	U	0.00261	U	0.002	U	0.00232	U	0.00235	U	0.0181		0.00208	U	0.00231	U	0.0312	
Delta-BHC	0.04	100	0.25	mg/kg	U	0.00207	U	0.00209	U	0.0016	U	0.00186	U	0.00188	U	0.00905	U	0.00167	U	0.00185	U	0.0241	U
Dieldrin	0.005	0.2	0.1	mg/kg	U	0.0013	U	0.0013	U	0.001	U	0.00116	U	0.00117	U	0.00566	U	0.00104	U	0.00116	U	0.0151	U
Endosulfan I	2.4	24	102	mg/kg	U	0.00207	U	0.00209	U	0.0016	U	0.00186	U	0.00188	U	0.00905	U	0.00167	U	0.00185	U	0.0241	U
Endosulfan II	2.4	24	102	mg/kg	U	0.00207	U	0.00209	U	0.0016	U	0.00186	U	0.00188	U	0.00905	U	0.00167	U	0.00185	U	0.0241	U
Endosulfan sulfate	2.4	24	1000	mg/kg	U	0.000864	U	0.00087	U	0.000668	U	0.000773	U	0.000782	U	0.00377	U	0.000695	U	0.000771	U	0.0101	U
Endrin	0.014	11	0.06	mg/kg	U	0.000864	U	0.00087	U	0.000668	U	0.000773	U	0.000782	U	0.00377	U	0.000695	U	0.000771	U	0.0101	U
Endrin aldehyde	NC	NC	NC	mg/kg	U	0.00259	U	0.00261	U	0.002	U	0.00232	U	0.00235	U	0.0113	U	0.00208	U	0.00231	U	0.0302	U
Endrin ketone	NC	NC	NC	mg/kg	U	0.00207	U	0.00209	U	0.0016	U	0.00186	U	0.00188	U	0.00905	U	0.00167	U	0.00185	U	0.0241	U
Heptachlor	0.042	2.1	0.38	mg/kg	U	0.00104	U	0.00104	U	0.000802	U	0.000928	U	0.000939	U	0.00453	U	0.000834	U	0.000925	U	0.0121	U
Heptachlor epoxide	NC	NC	NC	mg/kg	U	0.00389	U	0.00391	U	0.00301	U	0.00348	U	0.00352	U	0.017	U	0.00313	U	0.00347	U	0.0453	U
Lindane	0.1	1.3	0.1	mg/kg	U	0.000864	U	0.00087	U	0.000668	U	0.000773	U	0.000782	U	0.00377	U	0.000695	U	0.000771	U	0.0101	U
Methoxychlor	NC	NC	NC	mg/kg	U	0.00389	U	0.00391	U	0.00301	U	0.00348	U	0.00352	U	0.017	U	0.00313	U	0.00347	U	0.0453	U
Toxaphene	NC	NC	NC	mg/kg	U	0.0389	U	0.0391	U	0.0301	U	0.0348	U	0.0352	U	0.17	U	0.0313	U	0.0347	U	0.453	U
trans-Chlordane	NC	NC	NC	mg/kg		0.00259	U	0.00261	U	0.002	U	0.00232	U	0.00235	U	0.012		0.00208	U	0.00231	U	0.0232	J

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

					LOCATION	SB-27 (7-8)		SB-27 (13-14)		SB-28 (2-3)		SB-28 (6-7)		SB-28 (12-13)		SB-29 (3-4)		SB-29 (6-7)		SB-29 (12-13)		SB-30 (3-4)	
					SAMPLING DATE	12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020	
					LAB SAMPLE ID	L2054336-05		L2054336-06		L2054336-07		L2054336-08		L2054336-09		L2054336-10		L2054336-11		L2054336-12		L2054336-13	
					SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units		Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Organochlorine Pesticides by GC																							
4,4'-DDD	0.0033	13	14	mg/kg		0.00174	U	0.00212	U	0.0842		0.00186	U	0.00186	U	0.312	P	0.000808	J	0.00186	U	0.0922	
4,4'-DDE	0.0033	8.9	17	mg/kg		0.00174	U	0.00212	U	0.0347		0.00186	U	0.00186	U	0.132	P	0.00184	U	0.00186	U	0.00174	U
4,4'-DDT	0.0033	7.9	136	mg/kg		0.00325	U	0.00397	U	0.0476		0.00349	U	0.00349	U	0.116	P	0.00344	U	0.00348	U	0.00327	U
Aldrin	0.005	0.097	0.19	mg/kg		0.00174	U	0.00212	U	0.00177	U	0.00186	U	0.00186	U	0.039	U	0.00184	U	0.00186	U	0.00174	U
Alpha-BHC	0.02	0.48	0.02	mg/kg		0.000723	U	0.000882	U	0.000739	U	0.000777	U	0.000775	U	0.0163	U	0.000765	U	0.000774	U	0.000727	U
Beta-BHC	0.036	0.36	0.09	mg/kg		0.00174	U	0.00212	U	0.00177	U	0.00186	U	0.00186	U	0.039	U	0.00184	U	0.00186	U	0.00174	U
Chlordane	NC	NC	NC	mg/kg		0.0144	U	0.0176	U	0.192		0.0155	U	0.0155	U	0.325	U	0.0153	U	0.0155	U	0.0145	U
cis-Chlordane	0.094	4.2	2.9	mg/kg		0.00217	U	0.00264	U	0.0264		0.00233	U	0.00232	U	0.0488	U	0.00229	U	0.00232	U	0.00218	U
Delta-BHC	0.04	100	0.25	mg/kg		0.00174	U	0.00212	U	0.00177	U	0.00186	U	0.00186	U	0.039	U	0.00184	U	0.00186	U	0.00174	U
Dieldrin	0.005	0.2	0.1	mg/kg		0.00108	U	0.00132	U	0.0109		0.00116	U	0.00116	U	0.0244	U	0.00115	U	0.00116	U	0.00109	U
Endosulfan I	2.4	24	102	mg/kg		0.00174	U	0.00212	U	0.00177	U	0.00186	U	0.00186	U	0.039	U	0.00184	U	0.00186	U	0.00174	U
Endosulfan II	2.4	24	102	mg/kg		0.00174	U	0.00212	U	0.00177	U	0.00186	U	0.00186	U	0.039	U	0.00184	U	0.00186	U	0.00174	U
Endosulfan sulfate	2.4	24	1000	mg/kg		0.000723	U	0.000882	U	0.000739	U	0.000777	U	0.000775	U	0.0163	U	0.000765	U	0.000774	U	0.000727	U
Endrin	0.014	11	0.06	mg/kg		0.000723	U	0.000882	U	0.000739	U	0.000777	U	0.000775	U	0.0163	U	0.000765	U	0.000774	U	0.000727	U
Endrin aldehyde	NC	NC	NC	mg/kg		0.00217	U	0.00264	U	0.00222	U	0.00233	U	0.00232	U	0.152	P	0.00229	U	0.00232	U	0.00218	U
Endrin ketone	NC	NC	NC	mg/kg		0.00174	U	0.00212	U	0.00177	U	0.00186	U	0.00186	U	0.039	U	0.00184	U	0.00186	U	0.00174	U
Heptachlor	0.042	2.1	0.38	mg/kg		0.000868	U	0.00106	U	0.000887	U	0.000932	U	0.00093	U	0.0195	U	0.000918	U	0.000929	U	0.000872	U
Heptachlor epoxide	NC	NC	NC	mg/kg		0.00325	U	0.00397	U	0.00332	U	0.00349	U	0.00349	U	0.0732	U	0.00344	U	0.00348	U	0.00327	U
Lindane	0.1	1.3	0.1	mg/kg		0.000723	U	0.000882	U	0.000739	U	0.000777	U	0.000775	U	0.0163	U	0.000765	U	0.000774	U	0.000727	U
Methoxychlor	NC	NC	NC	mg/kg		0.00325	U	0.00397	U	0.00332	U	0.00349	U	0.00349	U	0.0732	U	0.00344	U	0.00348	U	0.00327	U
Toxaphene	NC	NC	NC	mg/kg		0.0325	U	0.0397	U	0.0332	U	0.0349	U	0.0349	U	0.732	U	0.0344	U	0.0348	U	0.0327	U
trans-Chlordane	NC	NC	NC	mg/kg		0.00217	U	0.00264	U	0.0155		0.00233	U	0.00232	U	0.0488	U	0.00229	U	0.00232	U	0.00218	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

					LOCATION		SB-30 (7-8)		SB-30 (13-14)		SB-31 (4-5)		SB-31 (8-9)		SB-31 (11-12)		DUP-12/4	
					SAMPLING DATE		12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020	
					LAB SAMPLE ID		L2054336-14		L2054336-15		L2054336-16		L2054336-17		L2054336-18		L2054336-19	
					SAMPLE TYPE		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Organochlorine Pesticides by GC																		
4,4'-DDD	0.0033	13	14	mg/kg	0.0018	U	0.00191	U	0.00127	J	0.00191	U	0.00188	U	0.00171	U		
4,4'-DDE	0.0033	8.9	17	mg/kg	0.0018	U	0.00191	U	0.00138	J	0.00191	U	0.00188	U	0.00171	U		
4,4'-DDT	0.0033	7.9	136	mg/kg	0.00338	U	0.00358	U	0.00317	U	0.00359	U	0.00354	U	0.0032	U		
Aldrin	0.005	0.097	0.19	mg/kg	0.0018	U	0.00191	U	0.00169	U	0.00191	U	0.00188	U	0.00171	U		
Alpha-BHC	0.02	0.48	0.02	mg/kg	0.000751	U	0.000796	U	0.000704	U	0.000797	U	0.000786	U	0.000712	U		
Beta-BHC	0.036	0.36	0.09	mg/kg	0.0018	U	0.00191	U	0.00169	U	0.00191	U	0.00188	U	0.00171	U		
Chlordane	NC	NC	NC	mg/kg	0.015	U	0.0159	U	0.0296		0.0159	U	0.0157	U	0.0142	U		
cis-Chlordane	0.094	4.2	2.9	mg/kg	0.00225	U	0.00239	U	0.00567		0.00239	U	0.00236	U	0.00214	U		
Delta-BHC	0.04	100	0.25	mg/kg	0.0018	U	0.00191	U	0.00169	U	0.00191	U	0.00188	U	0.00171	U		
Dieldrin	0.005	0.2	0.1	mg/kg	0.00113	U	0.00119	U	0.0179		0.0012	U	0.00118	U	0.00107	U		
Endosulfan I	2.4	24	102	mg/kg	0.0018	U	0.00191	U	0.00169	U	0.00191	U	0.00188	U	0.00171	U		
Endosulfan II	2.4	24	102	mg/kg	0.0018	U	0.00191	U	0.00169	U	0.00191	U	0.00188	U	0.00171	U		
Endosulfan sulfate	2.4	24	1000	mg/kg	0.000751	U	0.000796	U	0.000704	U	0.000797	U	0.000786	U	0.000712	U		
Endrin	0.014	11	0.06	mg/kg	0.000751	U	0.000796	U	0.000704	U	0.000797	U	0.000786	U	0.000712	U		
Endrin aldehyde	NC	NC	NC	mg/kg	0.00225	U	0.00239	U	0.00211	U	0.00239	U	0.00236	U	0.00214	U		
Endrin ketone	NC	NC	NC	mg/kg	0.0018	U	0.00191	U	0.00169	U	0.00191	U	0.00188	U	0.00171	U		
Heptachlor	0.042	2.1	0.38	mg/kg	0.000901	U	0.000955	U	0.000845	U	0.000957	U	0.000943	U	0.000855	U		
Heptachlor epoxide	NC	NC	NC	mg/kg	0.00338	U	0.00358	U	0.00317	U	0.00359	U	0.00354	U	0.0032	U		
Lindane	0.1	1.3	0.1	mg/kg	0.000751	U	0.000796	U	0.000704	U	0.000797	U	0.000786	U	0.000712	U		
Methoxychlor	NC	NC	NC	mg/kg	0.00338	U	0.00358	U	0.00317	U	0.00359	U	0.00354	U	0.0032	U		
Toxaphene	NC	NC	NC	mg/kg	0.0338	U	0.0358	U	0.0317	U	0.0359	U	0.0354	U	0.032	U		
trans-Chlordane	NC	NC	NC	mg/kg	0.00225	U	0.00239	U	0.00442		0.00239	U	0.00236	U	0.00214	U		

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SB-15 (3-3.5)(OER)		SB-15 (7.5-8.0)(OER)		SB-15 (14-14.5)(OER)		SB-16 (2.5-3.0)(OER)		SB-16 (8-8.5)(OER)		SB-16 (12-12.5)(OER)		SB-17 (4-4.5)(OER)		SB-17 (9-9.5)(OER)	
				SAMPLING DATE	9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020	
				LAB SAMPLE ID	L2040027-01		L2040027-02		L2040027-03		L2040027-04		L2040027-05		L2040027-06		L2040027-07		L2040027-08	
				SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Polychlorinated Biphenyls by GC																				
Aroclor 1016	0.1	1	3.2	mg/kg	0.0391	U	0.0361	U	0.0384	U	0.0384	U	0.0326	U	0.0413	U	0.0331	U	0.0375	U
Aroclor 1221	0.1	1	3.2	mg/kg	0.0391	U	0.0361	U	0.0384	U	0.0384	U	0.0326	U	0.0413	U	0.0331	U	0.0375	U
Aroclor 1232	0.1	1	3.2	mg/kg	0.0391	U	0.0361	U	0.0384	U	0.0384	U	0.0326	U	0.0413	U	0.0331	U	0.0375	U
Aroclor 1242	0.1	1	3.2	mg/kg	0.0391	U	0.0361	U	0.0384	U	0.0384	U	0.0326	U	0.0413	U	0.0331	U	0.0375	U
Aroclor 1248	0.1	1	3.2	mg/kg	0.0391	U	0.0361	U	0.0384	U	0.0384	U	0.0326	U	0.0413	U	0.0331	U	0.0375	U
Aroclor 1254	0.1	1	3.2	mg/kg	0.0391	U	0.0361	U	0.0384	U	0.0384	U	0.0326	U	0.0413	U	0.0331	U	0.0375	U
Aroclor 1260	0.1	1	3.2	mg/kg	0.0183	J	0.0361	U	0.0384	U	0.0384	U	0.0326	U	0.0413	U	0.0331	U	0.0375	U
Aroclor 1262	0.1	1	3.2	mg/kg	0.0391	U	0.0361	U	0.0384	U	0.0384	U	0.0326	U	0.0413	U	0.0331	U	0.0375	U
Aroclor 1268	0.1	1	3.2	mg/kg	0.00561	J	0.0361	U	0.0384	U	0.0384	U	0.0326	U	0.0413	U	0.0331	U	0.0375	U
PCBs, Total	0.1	1	3.2	mg/kg	0.0239	J	0.0361	U	0.0384	U	0.0384	U	0.0326	U	0.0413	U	0.0331	U	0.0375	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SB-17 (10-10.5)(OER)		SB-18 (3.5-4.0)(OER)		SB-18 (7-7.5)(OER)		SB-19 (2.5-3.0)(OER)		SB-19 (7.5-8.0)(OER)		SB-19 (10-10.5)(OER)		SB-20 (4.5-5.0)(OER)		SB-20 (6.5-7.0)(OER)		SB-20 (11-11.5)(OER)		SB-21 (3-3.5)(OER)		SB-21 (9-9.5)(OER)	
				SAMPLING DATE	9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020	
				LAB SAMPLE ID	L2040027-09		L2040027-10		L2040027-11		L2040027-12		L2040027-13		L2040027-14		L2040027-15		L2040027-16		L2040027-17		L2040027-18		L2040027-19	
				SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Polychlorinated Biphenyls by GC																										
Aroclor 1016	0.1	1	3.2	mg/kg	0.0374	U	0.0415	U	0.0392	U	0.036	U	0.0418	U	0.0399	U	0.0365	U	0.0357	U	0.0384	U	0.0363	U	0.0396	U
Aroclor 1221	0.1	1	3.2	mg/kg	0.0374	U	0.0415	U	0.0392	U	0.036	U	0.0418	U	0.0399	U	0.0365	U	0.0357	U	0.0384	U	0.0363	U	0.0396	U
Aroclor 1232	0.1	1	3.2	mg/kg	0.0374	U	0.0415	U	0.0392	U	0.036	U	0.0418	U	0.0399	U	0.0365	U	0.0357	U	0.0384	U	0.0363	U	0.0396	U
Aroclor 1242	0.1	1	3.2	mg/kg	0.0374	U	0.0415	U	0.0392	U	0.036	U	0.0418	U	0.0399	U	0.0365	U	0.0357	U	0.0384	U	0.0363	U	0.0396	U
Aroclor 1248	0.1	1	3.2	mg/kg	0.0374	U	0.0415	U	0.0392	U	0.036	U	0.0418	U	0.0399	U	0.0365	U	0.0357	U	0.0384	U	0.0363	U	0.0396	U
Aroclor 1254	0.1	1	3.2	mg/kg	0.0101	J	0.0415	U	0.0392	U	0.0317	J	0.0418	U	0.0116	J	0.0365	U	0.0357	U	0.0384	U	0.00565	J	0.0096	J
Aroclor 1260	0.1	1	3.2	mg/kg	0.011	J	0.00843	J	0.0392	U	0.0179	J	0.0418	U	0.0399	U	0.0365	U	0.0357	U	0.0384	U	0.0363	U	0.0396	U
Aroclor 1262	0.1	1	3.2	mg/kg	0.0374	U	0.0415	U	0.0392	U	0.036	U	0.0418	U	0.0399	U	0.0365	U	0.0357	U	0.0384	U	0.0363	U	0.0396	U
Aroclor 1268	0.1	1	3.2	mg/kg	0.00518	J	0.00446	J	0.0392	U	0.0161	J	0.0418	U	0.00548	J	0.0365	U	0.0357	U	0.0384	U	0.0363	U	0.0396	U
PCBs, Total	0.1	1	3.2	mg/kg	0.0263	J	0.0129	J	0.0392	U	0.0657	J	0.0418	U	0.0171	J	0.0365	U	0.0357	U	0.0384	U	0.00565	J	0.0096	J

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

					LOCATION	SB-21 (12-12.5)(OER)		SB-22 (4.5-5.0)(OER)		SB-22 (7.5-8.0)(OER)		SB-22 (11-11.5)(OER)		SB-18 (13-13.5)(OER)		SB-23 (4.5-5.0)(OER)		SB-23 (7.5-8.0)(OER)		SB-23 (11.5-12.0)(OER		SB-24 (3-3.5)(OER)	
					SAMPLING DATE	9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/24/2020		9/24/2020		9/24/2020		9/24/2020	
					LAB SAMPLE ID	L2040027-20		L2040027-21		L2040027-22		L2040027-23		L2040027-24		L2040317-01		L2040317-02		L2040317-03		L2040317-04	
					SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units		Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Polychlorinated Biphenyls by GC																							
Aroclor 1016	0.1	1	3.2	mg/kg		0.0396	U	0.0345	U	0.035	U	0.0392	U	0.0399	U	0.0363	U	0.0369	U	0.0393	U	0.0358	U
Aroclor 1221	0.1	1	3.2	mg/kg		0.0396	U	0.0345	U	0.035	U	0.0392	U	0.0399	U	0.0363	U	0.0369	U	0.0393	U	0.0358	U
Aroclor 1232	0.1	1	3.2	mg/kg		0.0396	U	0.0345	U	0.035	U	0.0392	U	0.0399	U	0.0363	U	0.0369	U	0.0393	U	0.0358	U
Aroclor 1242	0.1	1	3.2	mg/kg		0.0396	U	0.0345	U	0.035	U	0.0392	U	0.0399	U	0.0363	U	0.0369	U	0.0393	U	0.0358	U
Aroclor 1248	0.1	1	3.2	mg/kg		0.0256	J	0.0345	U	0.035	U	0.0392	U	0.0399	U	0.0363	U	0.0369	U	0.0393	U	0.0358	U
Aroclor 1254	0.1	1	3.2	mg/kg		0.0107	J	0.0345	U	0.035	U	0.0392	U	0.0399	U	0.0363	U	0.0369	U	0.0393	U	0.0358	U
Aroclor 1260	0.1	1	3.2	mg/kg		0.0396	U	0.00784	J	0.035	U	0.0392	U	0.0399	U	0.0363	U	0.0369	U	0.0393	U	0.0358	U
Aroclor 1262	0.1	1	3.2	mg/kg		0.0396	U	0.0345	U	0.035	U	0.0392	U	0.0399	U	0.0363	U	0.0369	U	0.0393	U	0.0358	U
Aroclor 1268	0.1	1	3.2	mg/kg		0.0396	U	0.00901	J	0.035	U	0.0392	U	0.0399	U	0.0363	U	0.0369	U	0.0393	U	0.0358	U
PCBs, Total	0.1	1	3.2	mg/kg		0.0363	J	0.0169	J	0.035	U	0.0392	U	0.0399	U	0.0363	U	0.0369	U	0.0393	U	0.0358	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SB-24 (6-6.5)(OER)		SB-24 (14-14.5)(OER)		SB-25 (3-3.5)(OER)		SB-25 (6.5-7.0)(OER)		SB-25 (13-13.5)(OER)	
				SAMPLING DATE	9/24/2020		9/24/2020		9/24/2020		9/24/2020		9/24/2020	
				LAB SAMPLE ID	L2040317-05		L2040317-06		L2040317-07		L2040317-08		L2040317-09	
				SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Polychlorinated Biphenyls by GC														
Aroclor 1016	0.1	1	3.2	mg/kg	0.0388	U	0.043	U	0.0372	U	0.0401	U	0.0426	U
Aroclor 1221	0.1	1	3.2	mg/kg	0.0388	U	0.043	U	0.0372	U	0.0401	U	0.0426	U
Aroclor 1232	0.1	1	3.2	mg/kg	0.0388	U	0.043	U	0.0372	U	0.0401	U	0.0426	U
Aroclor 1242	0.1	1	3.2	mg/kg	0.0388	U	0.043	U	0.0372	U	0.0401	U	0.0426	U
Aroclor 1248	0.1	1	3.2	mg/kg	0.0388	U	0.043	U	0.0372	U	0.0401	U	0.0426	U
Aroclor 1254	0.1	1	3.2	mg/kg	0.0388	U	0.043	U	0.0372	U	0.0401	U	0.0426	U
Aroclor 1260	0.1	1	3.2	mg/kg	0.0388	U	0.043	U	0.00972	J	0.0401	U	0.0426	U
Aroclor 1262	0.1	1	3.2	mg/kg	0.0388	U	0.043	U	0.0372	U	0.0401	U	0.0426	U
Aroclor 1268	0.1	1	3.2	mg/kg	0.0388	U	0.043	U	0.0372	U	0.0401	U	0.0426	U
PCBs, Total	0.1	1	3.2	mg/kg	0.0388	U	0.043	U	0.00972	J	0.0401	U	0.0426	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

					LOCATION	SB-15 (3-3.5)(OER)		SB-15 (7.5-8.0)(OER)		SB-15 (14-14.5)(OER)		SB-16 (2.5-3.0)(OER)		SB-16 (8-8.5)(OER)		SB-16 (12-12.5)(OER)		SB-17 (4-4.5)(OER)		SB-17 (9-9.5)(OER)		SB-17 (10-10.5)(OER)	
					SAMPLING DATE	9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020	
					LAB SAMPLE ID	L2040027-01		L2040027-02		L2040027-03		L2040027-04		L2040027-05		L2040027-06		L2040027-07		L2040027-08		L2040027-09	
					SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Total Metals																						
Aluminum, Total	NC	NC	NC	mg/kg	3800		567		2710		5290		523		790		410		420		3060	
Antimony, Total	NC	NC	NC	mg/kg	1.76	J	1.5	J	0.631	J	0.939	J	3.98	U	4.81	U	3.92	U	4.34	U	1.38	J
Arsenic, Total	13	16	16	mg/kg	3.99		0.417	J	2.74		2.07		0.724	J	0.722	J	0.282	J	0.208	J	1.64	
Barium, Total	350	400	820	mg/kg	626		2.98		5.27		68		2.61		2.13		2.83		2.59		71.6	
Beryllium, Total	7.2	72	47	mg/kg	0.153	J	0.434	U	0.102	J	0.152	J	0.398	U	0.481	U	0.392	U	0.434	U	0.09	J
Cadmium, Total	2.5	4.3	7.5	mg/kg	1.17		0.869	U	0.232	J	0.215	J	0.795	U	0.963	U	0.783	U	0.868	U	0.376	J
Calcium, Total	NC	NC	NC	mg/kg	22200		264		617		45600		185		275		1640		297		31800	
Chromium, Total	30	180	NC	mg/kg	14.8		3.45		6.96		7.82		2.26		2.9		2.17		2.37		12.7	
Cobalt, Total	NC	NC	NC	mg/kg	3.6		0.617	J	2.26		3.5		0.461	J	0.77	J	0.47	J	0.382	J	2.79	
Copper, Total	50	270	1720	mg/kg	34.4		0.73	J	2.72		6.99		0.58	J	0.712	J	1.27		0.408	J	13.6	
Iron, Total	NC	NC	NC	mg/kg	9750		1230		6730		5650		1210		1890		1240		912		5890	
Lead, Total	63	400	450	mg/kg	1400		1.27	J	2.78	J	226		1.02	J	1.26	J	3.2	J	1.44	J	702	
Magnesium, Total	NC	NC	NC	mg/kg	3070		273		1180		2310		258		379		178		202		14000	
Manganese, Total	1600	2000	2000	mg/kg	195		13.5		82.5		201		11.6		22.5		13.9		10.1		134	
Mercury, Total	0.18	0.81	0.73	mg/kg	0.452		0.075	U	0.079	U	0.145		0.074	U	0.084	U	0.068	U	0.078	U	0.082	U
Nickel, Total	30	310	130	mg/kg	14.7		1.25	J	6.44		21		1.06	J	2.35	J	1.05	J	0.946	J	11.1	
Potassium, Total	NC	NC	NC	mg/kg	334		134	J	465		363		130	J	152	J	57.7	J	86.3	J	378	
Selenium, Total	3.9	180	4	mg/kg	1.8	U	1.74	U	1.86	U	1.79	U	1.59	U	1.92	U	1.57	U	1.74	U	1.79	U
Silver, Total	2	180	8.3	mg/kg	0.9	U	0.869	U	0.928	U	0.894	U	0.795	U	0.963	U	0.783	U	0.868	U	0.895	U
Sodium, Total	NC	NC	NC	mg/kg	63	J	8.53	J	118	J	103	J	14.7	J	65.1	J	13.2	J	5.93	J	81.1	J
Thallium, Total	NC	NC	NC	mg/kg	1.8	U	1.74	U	1.86	U	1.79	U	1.59	U	1.92	U	1.57	U	1.74	U	1.79	U
Vanadium, Total	NC	NC	NC	mg/kg	15.3		2.96		9.05		10.4		2.48		3.08		2.6		2.43		15.7	
Zinc, Total	109	10000	2480	mg/kg	647		30.9		13.8		58.4		10.7		3.01	J	13		18.4		302	
TCLP Metals by EPA 1311	**TCLP Limit**																					
Lead, TCLP	5			mg/l	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry																						
Cyanide, Total	27	27	40	mg/kg	0.45	J	1	U	1.2	U	1.1	U	0.98	U	1.2	U	0.99	U	1.1	U	1.1	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SB-18 (3.5-4.0)(OER)		SB-18 (7-7.5)(OER)		SB-19 (2.5-3.0)(OER)		SB-19 (7.5-8.0)(OER)		SB-19 (10-10.5)(OER)		SB-20 (4.5-5.0)(OER)		SB-20 (6.5-7.0)(OER)		SB-20 (11-11.5)(OER)		SB-21 (3-3.5)(OER)		SB-21 (9-9.5)(OER)		SB-21 (12-12.5)(OER)	
				SAMPLING DATE	9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/23/2020	
				LAB SAMPLE ID	L2040027-10		L2040027-11		L2040027-12		L2040027-13		L2040027-14		L2040027-15		L2040027-16		L2040027-17		L2040027-18		L2040027-19		L2040027-20	
				SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Total Metals																										
Aluminum, Total	NC	NC	NC	mg/kg	3850		622		2590		807		1500		3310		828		937		1830		238		597	
Antimony, Total	NC	NC	NC	mg/kg	0.728	J	4.6	U	3.29	J	0.477	J	1.25	J	0.654	J	4.16	U	4.58	U	4.28	U	0.446	J	0.413	J
Arsenic, Total	13	16	16	mg/kg	3.66		0.46	J	3.43		0.312	J	1.94		1.43		0.524	J	0.99		1.9		0.223	J	0.709	J
Barium, Total	350	400	820	mg/kg	302		10.4		313		10.5		194		286		5.26		2.36		56.2		180		139	
Beryllium, Total	7.2	72	47	mg/kg	0.498		0.46	U	0.05	J	0.487	U	0.456	U	0.078	J	0.416	U	0.458	U	0.034	J	0.464	U	0.449	U
Cadmium, Total	2.5	4.3	7.5	mg/kg	0.795	J	0.92	U	6.18		0.974	U	1.63		3.75		0.832	U	0.917	U	0.274	J	0.093	J	0.126	J
Calcium, Total	NC	NC	NC	mg/kg	24300		7900		35500		1320		11300		35700		291		284		43200		558		4440	
Chromium, Total	30	180	NC	mg/kg	19.9		3.43		15.2		3.39		9.89		15.3		2.85		3.16		3.65		1.1		5.23	
Cobalt, Total	NC	NC	NC	mg/kg	1.49	J	0.589	J	3.46		0.974	J	2.56		3.94		0.682	J	1.53	J	3.24		1.86	U	0.835	J
Copper, Total	50	270	1720	mg/kg	12.8		1.44		56.1		1.86		15.6		27.2		0.949		1.16		27.6		3.77		7.19	
Iron, Total	NC	NC	NC	mg/kg	2960		1320		10200		1840		17600		5320		1740		1860		7200		1120		2750	
Lead, Total	63	400	450	mg/kg	1420		12.2		1310		4.67	J	349		2200		1.26	J	1.2	J	31.2		53.2		63.8	
Magnesium, Total	NC	NC	NC	mg/kg	9440		5060		14500		384		3930		2040		350		479		24900		140		2370	
Manganese, Total	1600	2000	2000	mg/kg	200		23.2		158		21		105		116		14.7		15.8		103		2.92		24.6	
Mercury, Total	0.18	0.81	0.73	mg/kg	0.657		0.078	U	0.346		0.086	U	0.092	U	0.332		0.068	U	0.086	U	0.052	J	0.089	U	0.079	U
Nickel, Total	30	310	130	mg/kg	6.26		1.66	J	24		2.28	J	15.7		16.2		2.26		6.36		4.28		0.771	J	4.11	
Potassium, Total	NC	NC	NC	mg/kg	646		132	J	252		197	J	369		321		133	J	154	J	268		16.8	J	96.7	J
Selenium, Total	3.9	180	4	mg/kg	0.306	J	1.84	U	0.402	J	1.95	U	1.82	U	1.72	U	1.66	U	0.257	J	1.71	U	1.86	U	1.8	U
Silver, Total	2	180	8.3	mg/kg	0.958	U	0.92	U	0.285	J	0.974	U	0.913	U	0.861	U	0.832	U	0.917	U	0.856	U	0.929	U	0.898	U
Sodium, Total	NC	NC	NC	mg/kg	147	J	14.5	J	86.4	J	18.1	J	38.6	J	74.5	J	14.6	J	36.7	J	190		4.52	J	37.9	J
Thallium, Total	NC	NC	NC	mg/kg	1.92	U	1.84	U	1.68	U	1.95	U	1.82	U	1.72	U	1.66	U	1.83	U	1.71	U	1.86	U	1.8	U
Vanadium, Total	NC	NC	NC	mg/kg	6.12		3.31		14.7		3.27		8.1		9.52		3.79		4.32		19.5		0.715	J	3.53	
Zinc, Total	109	10000	2480	mg/kg	594		22.5		1060		13		319		2070		22.8		4.02	J	45.7		71.1		65.9	
TCLP Metals by EPA 1311	**TCLP Limit**																									
Lead, TCLP	5			mg/l	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry																										
Cyanide, Total	27	27	40	mg/kg	1.2	U	1.2	U	1.1	U	1.2	U	1.1	U	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.1	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

					LOCATION	SB-22 (4.5-5.0)(OER)		SB-22 (7.5-8.0)(OER)		SB-22 (11-11.5)(OER)		SB-18 (13-13.5)(OER)		SB-23 (4.5-5.0)(OER)		SB-23 (7.5-8.0)(OER)		SB-23 (11.5-12.0)(OER		SB-24 (3-3.5)(OER)		SB-24 (6-6.5)(OER)		SB-24 (14-14.5)(OER)		SB-25 (3-3.5)(OER)	
					SAMPLING DATE	9/23/2020		9/23/2020		9/23/2020		9/23/2020		9/24/2020		9/24/2020		9/24/2020		9/24/2020		9/24/2020		9/24/2020		9/24/2020	
					LAB SAMPLE ID	L2040027-21		L2040027-22		L2040027-23		L2040027-24		L2040317-01		L2040317-02		L2040317-03		L2040317-04		L2040317-05		L2040317-06		L2040317-07	
					SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Total Metals																										
Aluminum, Total	NC	NC	NC	mg/kg	4260		556		909		1300		1440		356		485		5450		467		2310		4580	
Antimony, Total	NC	NC	NC	mg/kg	1.51	J	0.448	J	4.6	U	4.84	U	2.59	J	0.437	J	0.404	J	0.408	J	4.63	U	5.03	U	0.448	J
Arsenic, Total	13	16	16	mg/kg	5.8		0.182	J	1.84		2.67		3.55		0.437	J	0.919	U	3.9		0.926	U	2.06		3.24	
Barium, Total	350	400	820	mg/kg	963		2.36		3.84		3.19		372		8.14		3.54		72.2		6.1		4.39		98.3	
Beryllium, Total	7.2	72	47	mg/kg	0.098	J	0.415	U	0.46	U	0.058	J	0.043	J	0.446	U	0.459	U	0.208	J	0.463	U	0.091	J	0.069	J
Cadmium, Total	2.5	4.3	7.5	mg/kg	1.6		0.83	U	0.92	U	0.116	J	1.32		0.678	J	0.919	U	0.566	J	0.926	U	0.161	J	0.491	J
Calcium, Total	NC	NC	NC	mg/kg	35300		214		255		340		13700		447		266		66300		260		476		27600	
Chromium, Total	30	180	NC	mg/kg	32.4		2.21		2.63		3.74		9.22		3.34		2.09		13.1		2.29		6.25		10.4	
Cobalt, Total	NC	NC	NC	mg/kg	6.97		0.44	J	0.91	J	2.29		2.04		0.464	J	0.349	J	6.58		0.324	J	2.09		4.25	
Copper, Total	50	270	1720	mg/kg	41.4		1.54		1.46		1.87		35		1.74		1.23		42.2		5.67		2.42		30.6	
Iron, Total	NC	NC	NC	mg/kg	20100		1010		2010		3270		6350		1310		855		9600		698		5190		8990	
Lead, Total	63	400	450	mg/kg	1650		1.11	J	1.3	J	1.22	J	1600		15.2		2.19	J	102		4.23	J	1.81	J	111	
Magnesium, Total	NC	NC	NC	mg/kg	4140		258		450		608		2160		158		229		19300		200		1110		3760	
Manganese, Total	1600	2000	2000	mg/kg	274		9.92		14.1		24.3		77.4		15.9		8.42		214		7.71		72.7		146	
Mercury, Total	0.18	0.81	0.73	mg/kg	0.262		0.067	U	0.075	U	0.078	U	0.628		0.075	U	0.076	U	0.153		0.08	U	0.095	U	0.142	
Nickel, Total	30	310	130	mg/kg	29.3		1.91	J	4.38		12.4		11.6		0.821	J	0.928	J	13.1		0.898	J	6.89		9.33	
Potassium, Total	NC	NC	NC	mg/kg	459		101	J	155	J	253		192	J	73.2	J	108	J	1100		98.8	J	427		727	
Selenium, Total	3.9	180	4	mg/kg	0.333	J	1.66	U	1.84	U	0.261	J	0.311	J	1.78	U	1.84	U	1.66	U	0.241	J	2.01	U	1.72	U
Silver, Total	2	180	8.3	mg/kg	0.813	U	0.83	U	0.92	U	0.968	U	0.259	J	0.893	U	0.919	U	0.833	U	0.926	U	1.01	U	0.861	U
Sodium, Total	NC	NC	NC	mg/kg	297		11.6	J	23	J	43.4	J	57.2	J	16	J	18.3	J	638		37.2	J	110	J	335	
Thallium, Total	NC	NC	NC	mg/kg	1.63	U	1.66	U	1.84	U	1.94	U	1.73	U	1.78	U	1.84	U	1.66	U	1.85	U	2.01	U	1.72	U
Vanadium, Total	NC	NC	NC	mg/kg	25.4		1.97		7.05		6.44		9.4		3.25		1.69		18.1		1.55		7.81		14.2	
Zinc, Total	109	10000	2480	mg/kg	2680		33.4		14.7		6.16		543		181		22		195		23.7		11.4		90.1	
TCLP Metals by EPA 1311	**TCLP Limit**																									
Lead, TCLP	5			mg/l	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry																										
Cyanide, Total	27	27	40	mg/kg	0.52	J	1	U	1.1	U	1.2	U	0.46	J	1.1	U	1.2	U	1.1	U	1.2	U	0.33	J	0.33	J

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

LOCATION					SB-25 (6.5-7.0)(OER)		SB-25 (13-13.5)(OER)		SB-19 (4.5-5)		SB-19 (8-8.5)		SB-19 (12.5-13)		SB-20 (4.5-5)		SB-20 (8-8.5)		SB-20 (12.5-13)		SB-16 (4.5-5)		SB-16 (8-8.5)		SB-16 (12.5-13)	
SAMPLING DATE					9/24/2020		9/24/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020	
LAB SAMPLE ID					L2040317-08		L2040317-09		L2046926-04		L2046926-05		L2046926-06		L2046926-07		L2046926-08		L2046926-09		L2046926-10		L2046926-11		L2046926-12	
SAMPLE TYPE					SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Total Metals																										
Aluminum, Total	NC	NC	NC	mg/kg	276		955		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony, Total	NC	NC	NC	mg/kg	4.74	U	4.94	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic, Total	13	16	16	mg/kg	0.948	U	1.51		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium, Total	350	400	820	mg/kg	1.84		2.84		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium, Total	7.2	72	47	mg/kg	0.474	U	0.494	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium, Total	2.5	4.3	7.5	mg/kg	0.948	U	0.987	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium, Total	NC	NC	NC	mg/kg	132		337		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium, Total	30	180	NC	mg/kg	1.36		3.5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt, Total	NC	NC	NC	mg/kg	0.18	J	0.918	J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper, Total	50	270	1720	mg/kg	1.47		0.918	J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron, Total	NC	NC	NC	mg/kg	405		2140		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead, Total	63	400	450	mg/kg	0.702	J	1.18	J	5.59		1.15	J	1.33	J	33.4		1.77	J	1.31	J	3.68		1.58	J	0.905	J
Magnesium, Total	NC	NC	NC	mg/kg	116		453		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese, Total	1600	2000	2000	mg/kg	4.75		25.9		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury, Total	0.18	0.81	0.73	mg/kg	0.079	U	0.082	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel, Total	30	310	130	mg/kg	0.531	J	2.68		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium, Total	NC	NC	NC	mg/kg	59.6	J	196	J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium, Total	3.9	180	4	mg/kg	0.275	J	1.97	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver, Total	2	180	8.3	mg/kg	0.948	U	0.987	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium, Total	NC	NC	NC	mg/kg	30.2	J	141	J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium, Total	NC	NC	NC	mg/kg	1.9	U	1.97	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium, Total	NC	NC	NC	mg/kg	0.863	J	3.5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc, Total	109	10000	2480	mg/kg	10.9		4.58	J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Metals by EPA 1311	**TCLP Limit**																									
Lead, TCLP	5			mg/l	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry																										
Cyanide, Total	27	27	40	mg/kg	1.1	U	1.2	U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SB-21 (4.5-5)		SB-21 (8-8.5)		SB-21 (12.5-13)		SB-18 (4.5-5)		SB-18 (8-8.5)		SB-18 (12.5-13)		SB-17 (4.5-5)		SB-17 (8-8.5)		SB-17 (12.5-13)		SB-20 (4.5-5)		SB-22 (4.5-5)	
				SAMPLING DATE	10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		12/4/2020		12/4/2020	
				LAB SAMPLE ID	L2046926-13		L2046926-14		L2046926-15		L2046926-16		L2046926-17		L2046926-18		L2046926-19		L2046926-20		L2046926-21		L2054336-20		L2054336-21	
				SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Total Metals																										
Aluminum, Total	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony, Total	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic, Total	13	16	16	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium, Total	350	400	820	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium, Total	7.2	72	47	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium, Total	2.5	4.3	7.5	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium, Total	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium, Total	30	180	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt, Total	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper, Total	50	270	1720	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron, Total	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead, Total	63	400	450	mg/kg	4.28		1.29	J	0.96	J	0.922	J	1.32	J	0.61	J	1.83	J	0.763	J	0.976	J	-	-	-	-
Magnesium, Total	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese, Total	1600	2000	2000	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury, Total	0.18	0.81	0.73	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel, Total	30	310	130	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium, Total	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium, Total	3.9	180	4	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver, Total	2	180	8.3	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium, Total	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium, Total	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium, Total	NC	NC	NC	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc, Total	109	10000	2480	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TCLP Metals by EPA 1311	**TCLP Limit**																									
Lead, TCLP	5			mg/l	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.071	J	0.946	
General Chemistry																										
Cyanide, Total	27	27	40	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SB-23 (4.5-5)		DUP-1		DUP-2		SB-26 (2-3)		SB-26 (5-6)		SB-26 (12-13)		SB-27 (3-4)		SB-27 (7-8)		SB-27 (13-14)		SB-28 (2-3)		SB-28 (6-7)	
				SAMPLING DATE	12/4/2020		10/27/2020		10/27/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020	
				LAB SAMPLE ID	L2054336-22		L2046926-22		L2046926-23		L2054336-01		L2054336-02		L2054336-03		L2054336-04		L2054336-05		L2054336-06		L2054336-07		L2054336-08	
				SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Total Metals																										
Aluminum, Total	NC	NC	NC	mg/kg	-	-	-	-	-	-	4660		609		1980		3970		368		3860		3770		477	
Antimony, Total	NC	NC	NC	mg/kg	-	-	-	-	-	-	1.51	J	4.17	U	4.42	U	3.44	J	4.41	U	5.28	U	0.673	J	4.53	U
Arsenic, Total	13	16	16	mg/kg	-	-	-	-	-	-	5.64		0.808	J	5.38		11.6		0.194	J	5.08		4.61		0.263	J
Barium, Total	350	400	820	mg/kg	-	-	-	-	-	-	896		14		5.53		552		2.41		8.21		382		15.6	
Beryllium, Total	7.2	72	47	mg/kg	-	-	-	-	-	-	0.172	J	0.417	U	0.097	J	0.603	U	0.441	U	0.169	J	0.126	J	0.453	U
Cadmium, Total	2.5	4.3	7.5	mg/kg	-	-	-	-	-	-	0.989		0.833	U	0.168	J	5.28		0.882	U	0.359	J	0.96		0.906	U
Calcium, Total	NC	NC	NC	mg/kg	-	-	-	-	-	-	49200		6370		536		20200		191		1200		12400		358	
Chromium, Total	30	180	NC	mg/kg	-	-	-	-	-	-	16.1		3.42		5.58		34.8		2.28		12.4		18.9		2.73	
Cobalt, Total	NC	NC	NC	mg/kg	-	-	-	-	-	-	3.57		0.642	J	2.26		10.4		0.335	J	3.4		3.27		0.426	J
Copper, Total	50	270	1720	mg/kg	-	-	-	-	-	-	41.5		0.875		2.04		113		1.29		4.43		43.1		4.23	
Iron, Total	NC	NC	NC	mg/kg	-	-	-	-	-	-	9460		1520		5890		81400		758		10600		10400		935	
Lead, Total	63	400	450	mg/kg	-	-	0.798	J	1.24	J	2750		27.2		1.85	J	1220		1.31	J	4.1	J	702		19	
Magnesium, Total	NC	NC	NC	mg/kg	-	-	-	-	-	-	11000		3460		884		2970		158		1700		1550		210	
Manganese, Total	1600	2000	2000	mg/kg	-	-	-	-	-	-	198		23.7		40		316		7.6		127		142		10.8	
Mercury, Total	0.18	0.81	0.73	mg/kg	-	-	-	-	-	-	0.698		0.048	J	0.074	U	0.578		0.072	U	0.085	U	0.689		0.075	U
Nickel, Total	30	310	130	mg/kg	-	-	-	-	-	-	18.1		1.2	J	8.26		45.1		0.785	J	12.8		19.5		1.58	J
Potassium, Total	NC	NC	NC	mg/kg	-	-	-	-	-	-	619		138	J	450		1510		76.8	J	695		306		86.3	J
Selenium, Total	3.9	180	4	mg/kg	-	-	-	-	-	-	1.03	J	1.67	U	1.77	U	1.75	J	1.76	U	0.443	J	0.529	J	1.81	U
Silver, Total	2	180	8.3	mg/kg	-	-	-	-	-	-	0.907	U	0.833	U	0.885	U	0.398	J	0.882	U	1.06	U	0.897	U	0.906	U
Sodium, Total	NC	NC	NC	mg/kg	-	-	-	-	-	-	228		31.6	J	108	J	178	J	20.2	J	235		123	J	17.6	J
Thallium, Total	NC	NC	NC	mg/kg	-	-	-	-	-	-	1.81	U	1.67	U	1.77	U	2.41	U	1.76	U	2.11	U	1.79	U	1.81	U
Vanadium, Total	NC	NC	NC	mg/kg	-	-	-	-	-	-	14.8		4.52		9.35		27.5		1.54		13.8		19.1		1.99	
Zinc, Total	109	10000	2480	mg/kg	-	-	-	-	-	-	774		20.4		9.54		2640		20.8		23.4		377		24.6	
TCLP Metals by EPA 1311	**TCLP Limit**																									
Lead, TCLP	5			mg/l	7.84		-	-	-	-	5.63		-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry																										
Cyanide, Total	27	27	40	mg/kg			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SB-28 (12-13)		SB-29 (3-4)		SB-29 (6-7)		SB-29 (12-13)		SB-30 (3-4)		SB-30 (7-8)		SB-30 (13-14)		SB-31 (4-5)		SB-31 (8-9)		SB-31 (11-12)		DUP-12/4	
				SAMPLING DATE	12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020	
				LAB SAMPLE ID	L2054336-09		L2054336-10		L2054336-11		L2054336-12		L2054336-13		L2054336-14		L2054336-15		L2054336-16		L2054336-17		L2054336-18		L2054336-19	
				SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Total Metals																										
Aluminum, Total	NC	NC	NC	mg/kg	577		4030		775		830		7680		1060		2730		3780		555		1300		377	
Antimony, Total	NC	NC	NC	mg/kg	4.56	U	8.92		4.38	U	4.63	U	4.5	U	4.58	U	4.65	U	4.23	U	4.61	U	4.6	U	4.19	U
Arsenic, Total	13	16	16	mg/kg	0.913	U	7.2		0.78	J	1.84		3.49		0.44	J	3		2.38		0.295	J	1.6		0.184	J
Barium, Total	350	400	820	mg/kg	1.9		808		3.29		2.66		74.3		3.35		6.03		233		4.56		3.82		2.99	
Beryllium, Total	7.2	72	47	mg/kg	0.456	U	0.255	J	0.438	U	0.463	U	0.279	J	0.037	J	0.13	J	0.102	J	0.461	U	0.46	U	0.419	U
Cadmium, Total	2.5	4.3	7.5	mg/kg	0.913	U	4.72		0.876	U	0.925	U	0.666	J	0.917	U	0.232	J	0.423	J	0.922	U	0.919	U	0.838	U
Calcium, Total	NC	NC	NC	mg/kg	168		37700		541		267		34100		721		692		34200		412		383		278	
Chromium, Total	30	180	NC	mg/kg	2.19		45.3		5.53		4.14		13.8		5.99		7.3		10.9		3.4		4.5		4.25	
Cobalt, Total	NC	NC	NC	mg/kg	0.529	J	3.79		0.903	J	0.999	J	6.06		0.99	J	2.2		2.64		0.562	J	1.93		0.461	J
Copper, Total	50	270	1720	mg/kg	0.858	J	55.1		0.517	J	0.472	J	15		1.14		2.49		10.4		0.922	U	1.43		0.847	
Iron, Total	NC	NC	NC	mg/kg	1040		17500		1600		2190		10300		1920		7140		5350		1090		2670		958	
Lead, Total	63	400	450	mg/kg	0.894	J	833		4.19	J	1.38	J	67.1		1.6	J	2.8	J	255		1.74	J	1.25	J	2.01	J
Magnesium, Total	NC	NC	NC	mg/kg	274		3290		311		453		3230		505		1170		2220		269		656		168	
Manganese, Total	1600	2000	2000	mg/kg	9.25		190		25.2		23		270		17.8		74.7		147		14		19.2		13	
Mercury, Total	0.18	0.81	0.73	mg/kg	0.076	U	0.426		0.073	U	0.075	U	0.075		0.074	U	0.077	U	0.116		0.077	U	0.077	U	0.068	U
Nickel, Total	30	310	130	mg/kg	1.96	J	16.4		1.34	J	3.37		33.1		3.15		6.58		9.41		1.14	J	5.98		0.897	J
Potassium, Total	NC	NC	NC	mg/kg	109	J	514		161	J	174	J	1570		220	J	501		368		107	J	300		75	J
Selenium, Total	3.9	180	4	mg/kg	1.82	U	1.29	J	1.75	U	1.85	U	0.756	J	0.248	J	0.381	J	0.744	J	1.84	U	0.303	J	1.68	U
Silver, Total	2	180	8.3	mg/kg	0.913	U	0.981	U	0.876	U	0.925	U	0.9	U	0.917	U	0.93	U	0.846	U	0.922	U	0.919	U	0.838	U
Sodium, Total	NC	NC	NC	mg/kg	13.2	J	291		21.2	J	85.3	J	858		26.2	J	138	J	119	J	14.4	J	42.5	J	18.6	J
Thallium, Total	NC	NC	NC	mg/kg	1.82	U	1.96	U	1.75	U	1.85	U	1.8	U	1.83	U	1.86	U	1.69	U	1.84	U	1.84	U	1.68	U
Vanadium, Total	NC	NC	NC	mg/kg	2.13		14.5		4.97		5.06		18.2		4.14		9.52		9.97		3		5.29		2.61	
Zinc, Total	109	10000	2480	mg/kg	16.5		1190		5.44		4.24	J	72.6		6.69		13.6		295		16.5		10.8		20.1	
TCLP Metals by EPA 1311	**TCLP Limit**																									
Lead, TCLP	5			mg/l	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry																										
Cyanide, Total	27	27	40	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SB-15 (4.5-5)		SB-15 (8-8.5)		SB-15 (12.5-13)		SB-19 (4.5-5)		SB-19 (8-8.5)		SB-19 (12.5-13)		SB-20 (4.5-5)		SB-20 (8-8.5)		SB-20 (12.5-13)	
				SAMPLING DATE	10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020	
				LAB SAMPLE ID	L2046926-01		L2046926-02		L2046926-03		L2046926-04		L2046926-05		L2046926-06		L2046926-07		L2046926-08		L2046926-09	
				SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Perfluorinated Alkyl Acids by Isotope Dilution																						
8:2FTS	NC	NC	NC	mg/kg	0.000519	U	0.000613	U	0.000587	U	0.000465	U	0.000555	U	0.000632	U	0.000493	U	0.000584	U	0.000538	U
6:2FTS	NC	NC	NC	mg/kg	0.000519	U	0.000613	U	0.000587	U	0.000465	U	0.000288	JF	0.000632	U	0.000493	U	0.000584	U	0.000538	U
NEtFOSAA	NC	NC	NC	mg/kg	0.000531		0.000613	U	0.000587	U	0.000465	U	0.000555	U	0.000632	U	0.000493	U	0.000584	U	0.000538	U
NMeFOSAA	NC	NC	NC	mg/kg	0.000519	U	0.000613	U	0.000587	U	0.000465	U	0.000555	U	0.000632	U	0.000493	U	0.000584	U	0.000538	U
Perfluorobutanesulfonic Acid (PFBS)	NC	NC	NC	mg/kg	0.000519	U	0.000613	U	0.000587	U	0.000465	U	0.000555	U	0.000632	U	0.000493	U	0.000584	U	0.000538	U
Perfluorobutanoic Acid (PFBA)	NC	NC	NC	mg/kg	0.000519	U	0.000613	U	0.000587	U	0.000465	U	0.000555	U	0.000632	U	0.000493	U	0.000584	U	0.000538	U
Perfluorodecanesulfonic Acid (PFDS)	NC	NC	NC	mg/kg	0.000519	U	0.000613	U	0.000587	U	0.000465	U	0.000555	U	0.000632	U	0.000493	U	0.000584	U	0.000538	U
Perfluorodecanoic Acid (PFDA)	NC	NC	NC	mg/kg	0.000072	J	0.000613	U	0.000587	U	0.000465	U	0.000555	U	0.000632	U	0.000493	U	0.000584	U	0.000538	U
Perfluorododecanoic Acid (PFDoA)	NC	NC	NC	mg/kg	0.000519	U	0.000613	U	0.000587	U	0.000465	U	0.000555	U	0.000632	U	0.000493	U	0.000584	U	0.000538	U
Perfluoroheptanesulfonic Acid (PFHpS)	NC	NC	NC	mg/kg	0.000519	U	0.000613	U	0.000587	U	0.000465	U	0.000555	U	0.000632	U	0.000493	U	0.000584	U	0.000538	U
Perfluoroheptanoic Acid (PFHpA)	NC	NC	NC	mg/kg	0.000519	U	0.000613	U	0.000587	U	0.000465	U	0.000555	U	0.000632	U	0.000493	U	0.000584	U	0.000538	U
Perfluorohexanesulfonic Acid (PFHxS)	NC	NC	NC	mg/kg	0.000519	U	0.000613	U	0.000587	U	0.000465	U	0.000555	U	0.000632	U	0.000493	U	0.000584	U	0.000538	U
Perfluorohexanoic Acid (PFHxA)	NC	NC	NC	mg/kg	0.000063	J	0.000613	U	0.000587	U	0.000465	U	0.000555	U	0.000632	U	0.000493	U	0.000584	U	0.000538	U
Perfluorononanoic Acid (PFNA)	NC	NC	NC	mg/kg	0.000519	U	0.000613	U	0.000587	U	0.000465	U	0.000555	U	0.000632	U	0.000493	U	0.000584	U	0.000538	U
Perfluorooctanesulfonamide (FOSA)	NC	NC	NC	mg/kg	0.000519	U	0.000613	U	0.000587	U	0.000465	U	0.000555	U	0.000632	U	0.000493	U	0.000584	U	0.000538	U
Perfluorooctanesulfonic Acid (PFOS)	0.00088	0.044	0.0037	mg/kg	0.00807		0.00143		0.000587	U	0.000465	U	0.000555	U	0.000632	U	0.000493	U	0.000584	U	0.000538	U
Perfluorooctanoic Acid (PFOA)	0.00066	0.033	0.0011	mg/kg	0.000255	J	0.000161	J	0.000587	U	0.000465	U	0.000555	U	0.000632	U	0.000493	U	0.000584	U	0.000538	U
Perfluoropentanoic Acid (PFPeA)	NC	NC	NC	mg/kg	0.000519	U	0.000613	U	0.000587	U	0.000465	U	0.000555	U	0.000632	U	0.000493	U	0.000584	U	0.000538	U
Perfluorotetradecanoic Acid (PFTA)	NC	NC	NC	mg/kg	0.000519	U	0.000613	U	0.000587	U	0.000465	U	0.000555	U	0.000632	U	0.000493	U	0.000584	U	0.000538	U
Perfluorotridecanoic Acid (PFTrDA)	NC	NC	NC	mg/kg	0.000519	U	0.000613	U	0.000587	U	0.000465	U	0.000555	U	0.000632	U	0.000493	U	0.000584	U	0.000538	U
Perfluoroundecanoic Acid (PFUnA)	NC	NC	NC	mg/kg	0.000519	U	0.000613	U	0.000587	U	0.000465	U	0.000555	U	0.000632	U	0.000493	U	0.000584	U	0.000538	U
PFOA/PFOS, Total	NC	NC	NC	mg/kg	0.00833	J	0.00159	J	0.000587	U	0.000465	U	0.000555	U	0.000632	U	0.000493	U	0.000584	U	0.000538	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SB-16 (4.5-5)		SB-16 (8-8.5)		SB-16 (12.5-13)		SB-21 (4.5-5)		SB-21 (8-8.5)		SB-21 (12.5-13)		SB-18 (4.5-5)		SB-18 (8-8.5)		SB-18 (12.5-13)	
				SAMPLING DATE	10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020	
				LAB SAMPLE ID	L2046926-10		L2046926-11		L2046926-12		L2046926-13		L2046926-14		L2046926-15		L2046926-16		L2046926-17		L2046926-18	
				SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Perfluorinated Alkyl Acids by Isotope Dilution																						
8:2FTS	NC	NC	NC	mg/kg	0.000484	U	0.000545	U	0.000562	U	0.00055	U	0.000524	U	0.000536	U	0.000458	U	0.000565	U	0.000552	U
6:2FTS	NC	NC	NC	mg/kg	0.000484	U	0.000545	U	0.000562	U	0.00055	U	0.000524	U	0.000536	U	0.000458	U	0.000565	U	0.000552	U
NEtFOSAA	NC	NC	NC	mg/kg	0.000484	U	0.000545	U	0.000562	U	0.00055	U	0.000524	U	0.000536	U	0.000458	U	0.000565	U	0.000552	U
NMeFOSAA	NC	NC	NC	mg/kg	0.000484	U	0.000545	U	0.000562	U	0.00055	U	0.000524	U	0.000536	U	0.000458	U	0.000565	U	0.000552	U
Perfluorobutanesulfonic Acid (PFBS)	NC	NC	NC	mg/kg	0.000484	U	0.000545	U	0.000562	U	0.00055	U	0.000524	U	0.000536	U	0.000458	U	0.000565	U	0.000552	U
Perfluorobutanoic Acid (PFBA)	NC	NC	NC	mg/kg	0.000484	U	0.000545	U	0.000562	U	0.00055	U	0.000524	U	0.000536	U	0.000458	U	0.000565	U	0.000552	U
Perfluorodecanesulfonic Acid (PFDS)	NC	NC	NC	mg/kg	0.000484	U	0.000545	U	0.000562	U	0.00055	U	0.000524	U	0.000536	U	0.000458	U	0.000565	U	0.000552	U
Perfluorodecanoic Acid (PFDA)	NC	NC	NC	mg/kg	0.000484	U	0.000545	U	0.000562	U	0.00055	U	0.000524	U	0.000536	U	0.000458	U	0.000565	U	0.000552	U
Perfluorododecanoic Acid (PFDoA)	NC	NC	NC	mg/kg	0.000484	U	0.000545	U	0.000562	U	0.00055	U	0.000524	U	0.000536	U	0.000458	U	0.000565	U	0.000552	U
Perfluoroheptanesulfonic Acid (PFHpS)	NC	NC	NC	mg/kg	0.000484	U	0.000545	U	0.000562	U	0.00055	U	0.000524	U	0.000536	U	0.000458	U	0.000565	U	0.000552	U
Perfluoroheptanoic Acid (PFHpA)	NC	NC	NC	mg/kg	0.000484	U	0.000545	U	0.000562	U	0.00055	U	0.000524	U	0.000536	U	0.000458	U	0.000565	U	0.000552	U
Perfluorohexanesulfonic Acid (PFHxS)	NC	NC	NC	mg/kg	0.000484	U	0.000545	U	0.000562	U	0.00055	U	0.000524	U	0.000536	U	0.000458	U	0.000565	U	0.000552	U
Perfluorohexanoic Acid (PFHxA)	NC	NC	NC	mg/kg	0.000484	U	0.000545	U	0.000562	U	0.00055	U	0.000524	U	0.000536	U	0.000458	U	0.000565	U	0.000552	U
Perfluorononanoic Acid (PFNA)	NC	NC	NC	mg/kg	0.000484	U	0.000545	U	0.000562	U	0.00055	U	0.000524	U	0.000536	U	0.000458	U	0.000565	U	0.000552	U
Perfluorooctanesulfonamide (FOSA)	NC	NC	NC	mg/kg	0.000484	U	0.000545	U	0.000562	U	0.00055	U	0.000524	U	0.000536	U	0.000458	U	0.000565	U	0.000552	U
Perfluorooctanesulfonic Acid (PFOS)	0.00088	0.044	0.0037	mg/kg	0.000484	U	0.000545	U	0.000562	U	0.00055	U	0.000524	U	0.000536	U	0.000458	U	0.000154	J	0.000552	U
Perfluorooctanoic Acid (PFOA)	0.00066	0.033	0.0011	mg/kg	0.000484	U	0.000545	U	0.000562	U	0.00005	J	0.000095	J	0.000536	U	0.000458	U	0.000122	J	0.000552	U
Perfluoropentanoic Acid (PFPeA)	NC	NC	NC	mg/kg	0.000484	U	0.000545	U	0.000562	U	0.00055	U	0.000524	U	0.000536	U	0.000458	U	0.000565	U	0.000552	U
Perfluorotetradecanoic Acid (PFTA)	NC	NC	NC	mg/kg	0.000484	U	0.000545	U	0.000562	U	0.00055	U	0.000524	U	0.000536	U	0.000458	U	0.000565	U	0.000552	U
Perfluorotridecanoic Acid (PFTrDA)	NC	NC	NC	mg/kg	0.000484	U	0.000545	U	0.000562	U	0.00055	U	0.000524	U	0.000536	U	0.000458	U	0.000565	U	0.000552	U
Perfluoroundecanoic Acid (PFUnA)	NC	NC	NC	mg/kg	0.000484	U	0.000545	U	0.000562	U	0.00055	U	0.000524	U	0.000536	U	0.000458	U	0.000565	U	0.000552	U
PFOA/PFOS, Total	NC	NC	NC	mg/kg	0.000484	U	0.000545	U	0.000562	U	0.00005	J	0.000095	J	0.000536	U	0.000458	U	0.000276	J	0.000552	U

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SB-17 (4.5-5)		SB-17 (8-8.5)		SB-17 (12.5-13)		DUP-1		DUP-2	
				SAMPLING DATE	10/27/2020		10/27/2020		10/27/2020		10/27/2020		10/27/2020	
				LAB SAMPLE ID	L2046926-19		L2046926-20		L2046926-21		L2046926-22		L2046926-23	
				SAMPLE TYPE	SOIL		SOIL		SOIL		SOIL		SOIL	
	USCO	RRSCO	PGW	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Perfluorinated Alkyl Acids by Isotope Dilution														
8:2FTS	NC	NC	NC	mg/kg	0.000569	U	0.000602	U	0.000571	U	0.000597	U	0.00057	U
6:2FTS	NC	NC	NC	mg/kg	0.000569	U	0.000602	U	0.000571	U	0.000597	U	0.00057	U
NEtFOSAA	NC	NC	NC	mg/kg	0.000569	U	0.000602	U	0.000571	U	0.000597	U	0.00057	U
NMeFOSAA	NC	NC	NC	mg/kg	0.000569	U	0.000602	U	0.000571	U	0.000597	U	0.00057	U
Perfluorobutanesulfonic Acid (PFBS)	NC	NC	NC	mg/kg	0.000569	U	0.000602	U	0.000571	U	0.000597	U	0.00057	U
Perfluorobutanoic Acid (PFBA)	NC	NC	NC	mg/kg	0.000569	U	0.000602	U	0.000571	U	0.000597	U	0.00057	U
Perfluorodecanesulfonic Acid (PFDS)	NC	NC	NC	mg/kg	0.000569	U	0.000602	U	0.000571	U	0.000597	U	0.00057	U
Perfluorodecanoic Acid (PFDA)	NC	NC	NC	mg/kg	0.000569	U	0.000602	U	0.000571	U	0.000597	U	0.00057	U
Perfluorododecanoic Acid (PFDoA)	NC	NC	NC	mg/kg	0.000569	U	0.000602	U	0.000571	U	0.000597	U	0.00057	U
Perfluoroheptanesulfonic Acid (PFHpS)	NC	NC	NC	mg/kg	0.000569	U	0.000602	U	0.000571	U	0.000597	U	0.00057	U
Perfluoroheptanoic Acid (PFHpA)	NC	NC	NC	mg/kg	0.000569	U	0.000602	U	0.000571	U	0.000597	U	0.00057	U
Perfluorohexanesulfonic Acid (PFHxS)	NC	NC	NC	mg/kg	0.000569	U	0.000602	U	0.000571	U	0.000597	U	0.00057	U
Perfluorohexanoic Acid (PFHxA)	NC	NC	NC	mg/kg	0.000569	U	0.000602	U	0.000571	U	0.000597	U	0.00057	U
Perfluorononanoic Acid (PFNA)	NC	NC	NC	mg/kg	0.000569	U	0.000602	U	0.000571	U	0.000597	U	0.00057	U
Perfluorooctanesulfonamide (FOSA)	NC	NC	NC	mg/kg	0.000569	U	0.000602	U	0.000571	U	0.000597	U	0.00057	U
Perfluorooctanesulfonic Acid (PFOS)	0.00088	0.044	0.0037	mg/kg	0.000264	J	0.000602	U	0.000571	U	0.000597	U	0.00057	U
Perfluorooctanoic Acid (PFOA)	0.00066	0.033	0.0011	mg/kg	0.000569	U	0.000602	U	0.000571	U	0.000597	U	0.000096	JF
Perfluoropentanoic Acid (PFPeA)	NC	NC	NC	mg/kg	0.000569	U	0.000602	U	0.000571	U	0.000597	U	0.00057	U
Perfluorotetradecanoic Acid (PFTA)	NC	NC	NC	mg/kg	0.000569	U	0.000602	U	0.000571	U	0.000597	U	0.00057	U
Perfluorotridecanoic Acid (PFTrDA)	NC	NC	NC	mg/kg	0.000569	U	0.000602	U	0.000571	U	0.000597	U	0.00057	U
Perfluoroundecanoic Acid (PFUnA)	NC	NC	NC	mg/kg	0.000569	U	0.000602	U	0.000571	U	0.000597	U	0.00057	U
PFOA/PFOS, Total	NC	NC	NC	mg/kg	0.000264	J	0.000602	U	0.000571	U	0.000597	U	0.000096	J

Table 2
Summary of Soil Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

Notes:
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.

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.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
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.)

I - The lower value for the two columns has been reported due to obvious interference.
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.

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
RE - Analytical results are from sample re-extraction.
R - Analytical results are from sample re-analysis.
D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

P - The RPD between the results for the two columns exceeds the method-specified criteria.
U - Not detected at the reported detection limit for the sample.
M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
S - Analytical results are from modified screening analysis.
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

NC - No Criteria
Yellow Highlight - Concentration Exceeds USCO
Red Highlight - Concentration Exceeds RRSCO
Orange Highlight - Concentration Exceeds PGW

Table 3
Groundwater Analytical Tables
BCP Site #C224310
Surf Avenue Railroad Cleaners

	LOCATION		MW-1(OER)		MW-2(OER)		MW-3(OER)		MW-4		MW-5		MW-1		MW-2		MW-3		MW-6		DUP		OER-MW-1		OER-MW-2	
	SAMPLING DATE		9/24/2020		9/24/2020		9/24/2020		10/28/2020		10/28/2020		10/29/2020		10/29/2020		10/29/2020		10/29/2020		10/29/2020		12/4/2020		12/4/2020	
	LAB SAMPLE ID		L2040315-01		L2040315-02		L2040315-03		L2047240-01		L2047240-02		L2047446-01		L2047446-02		L2047446-03		L2047446-04		L2047446-07		L2054336-23		L2054336-24	
	SAMPLE TYPE		WATER		WATER		WATER		Groundwater		Groundwater		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
	AWQS	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Volatile Organics by GC/MS																										
1,1,1,2-Tetrachloroethane	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1,1-Trichloroethane	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1,2,2-Tetrachloroethane	5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	1	ug/l	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
1,1-Dichloroethane	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1-Dichloroethene	5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloropropene	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichlorobenzene	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichloropropane	0.04	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4,5-Tetramethylbenzene	5	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,2,4-Trichlorobenzene	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4-Trimethylbenzene	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromo-3-chloropropane	0.04	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromoethane	0.0006	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,2-Dichlorobenzene	3	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dichloroethane	0.6	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethene, Total	NC	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dichloropropane	1	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,3,5-Trimethylbenzene	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichlorobenzene	3	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichloropropane	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichloropropene, Total	NC	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,4-Dichlorobenzene	3	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Dioxane	NC	ug/l	250	U	250	U	250	U	250	U	250	U	250	U	250	U	250	U	250	U	250	U	250	U	250	U
2,2-Dichloropropane	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
2-Butanone	50	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Hexanone	50	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4-Methyl-2-pentanone	NC	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acetone	50	ug/l	2.2	J	2.7	J	6.7		2	J	1.9	J	5	U	2.2	J	5	U	5	U	5	U	5	U	5	U
Acrylonitrile	5	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Benzene	1	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromobenzene	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromochloromethane	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromodichloromethane	50	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	50	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Bromomethane	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Carbon disulfide	60	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Carbon tetrachloride	5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloroethane	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloroform	7	ug/l	6.7		2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloromethane	NC	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
cis-1,2-Dichloroethene	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
cis-1,3-Dichloropropene	0.4	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

Table 3
Groundwater Analytical Tables
BCP Site #C224310
Surf Avenue Railroad Cleaners

LOCATION			MW-1(OER)		MW-2(OER)		MW-3(OER)		MW-4		MW-5		MW-1		MW-2		MW-3		MW-6		DUP		OER-MW-1		OER-MW-2	
SAMPLING DATE			9/24/2020		9/24/2020		9/24/2020		10/28/2020		10/28/2020		10/29/2020		10/29/2020		10/29/2020		10/29/2020		10/29/2020		12/4/2020		12/4/2020	
LAB SAMPLE ID			L2040315-01		L2040315-02		L2040315-03		L2047240-01		L2047240-02		L2047446-01		L2047446-02		L2047446-03		L2047446-04		L2047446-07		L2054336-23		L2054336-24	
SAMPLE TYPE			WATER		WATER		WATER		Groundwater		Groundwater		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
	AWQS	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Volatile Organics by GC/MS																										
Dibromochloromethane	50	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromomethane	5	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Dichlorodifluoromethane	5	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Ethyl ether	NC	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Ethylbenzene	5	ug/l	0.7	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Hexachlorobutadiene	0.5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Isopropylbenzene	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Methyl tert butyl ether	10	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Methylene chloride	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
n-Butylbenzene	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
n-Propylbenzene	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Naphthalene	10	ug/l	2.5	U	1.2	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
o-Chlorotoluene	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
o-Xylene	5	ug/l	1.6	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p-Chlorotoluene	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p-Diethylbenzene	NC	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
p-Ethyltoluene	NC	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
p-Isopropyltoluene	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p/m-Xylene	5	ug/l	3.6		2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
sec-Butylbenzene	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Styrene	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
tert-Butylbenzene	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Tetrachloroethene	5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Toluene	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
trans-1,2-Dichloroethene	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
trans-1,3-Dichloropropene	0.4	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,4-Dichloro-2-butene	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Trichloroethene	5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.45	J	0.5	U	0.5	U	0.5	U	0.21	J	0.5	U	0.5	U
Trichlorofluoromethane	5	ug/l	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Vinyl acetate	NC	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Vinyl chloride	2	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Xylenes, Total	NC	ug/l	5.2	J	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U

Table 3
Groundwater Analytical Tables
BCP Site #C224310
Surf Avenue Railroad Cleaners

	LOCATION		OER-MW-3		GW-DUP 1214	
	SAMPLING DATE		12/4/2020		12/4/2020	
	LAB SAMPLE ID		L2054336-25		L2054336-26	
	SAMPLE TYPE		WATER		WATER	
	AWQS	Units	Results	Q	Results	Q
Volatile Organics by GC/MS						
1,1,1,2-Tetrachloroethane	5	ug/l	2.5	U	2.5	U
1,1,1-Trichloroethane	5	ug/l	2.5	U	2.5	U
1,1,2,2-Tetrachloroethane	5	ug/l	0.5	U	0.5	U
1,1,2-Trichloroethane	1	ug/l	1.5	U	1.5	U
1,1-Dichloroethane	5	ug/l	2.5	U	2.5	U
1,1-Dichloroethene	5	ug/l	0.5	U	0.5	U
1,1-Dichloropropene	5	ug/l	2.5	U	2.5	U
1,2,3-Trichlorobenzene	5	ug/l	2.5	U	2.5	U
1,2,3-Trichloropropane	0.04	ug/l	2.5	U	2.5	U
1,2,4,5-Tetramethylbenzene	5	ug/l	2	U	2	U
1,2,4-Trichlorobenzene	5	ug/l	2.5	U	2.5	U
1,2,4-Trimethylbenzene	5	ug/l	2.5	U	2.5	U
1,2-Dibromo-3-chloropropane	0.04	ug/l	2.5	U	2.5	U
1,2-Dibromoethane	0.0006	ug/l	2	U	2	U
1,2-Dichlorobenzene	3	ug/l	2.5	U	2.5	U
1,2-Dichloroethane	0.6	ug/l	0.5	U	0.5	U
1,2-Dichloroethene, Total	NC	ug/l	2.5	U	2.5	U
1,2-Dichloropropane	1	ug/l	1	U	1	U
1,3,5-Trimethylbenzene	5	ug/l	2.5	U	2.5	U
1,3-Dichlorobenzene	3	ug/l	2.5	U	2.5	U
1,3-Dichloropropane	5	ug/l	2.5	U	2.5	U
1,3-Dichloropropene, Total	NC	ug/l	0.5	U	0.5	U
1,4-Dichlorobenzene	3	ug/l	2.5	U	2.5	U
1,4-Dioxane	NC	ug/l	250	U	250	U
2,2-Dichloropropane	5	ug/l	2.5	U	2.5	U
2-Butanone	50	ug/l	5	U	5	U
2-Hexanone	50	ug/l	5	U	5	U
4-Methyl-2-pentanone	NC	ug/l	5	U	5	U
Acetone	50	ug/l	5	U	5	U
Acrylonitrile	5	ug/l	5	U	5	U
Benzene	1	ug/l	0.5	U	0.5	U
Bromobenzene	5	ug/l	2.5	U	2.5	U
Bromochloromethane	5	ug/l	2.5	U	2.5	U
Bromodichloromethane	50	ug/l	0.5	U	0.5	U
Bromoform	50	ug/l	2	U	2	U
Bromomethane	5	ug/l	2.5	U	2.5	U
Carbon disulfide	60	ug/l	5	U	5	U
Carbon tetrachloride	5	ug/l	0.5	U	0.5	U
Chlorobenzene	5	ug/l	2.5	U	2.5	U
Chloroethane	5	ug/l	2.5	U	2.5	U
Chloroform	7	ug/l	2.5	U	2.5	U
Chloromethane	NC	ug/l	2.5	U	2.5	U
cis-1,2-Dichloroethene	5	ug/l	2.5	U	2.5	U
cis-1,3-Dichloropropene	0.4	ug/l	0.5	U	0.5	U

Table 3
Groundwater Analytical Tables
BCP Site #C224310
Surf Avenue Railroad Cleaners

	LOCATION		OER-MW-3		GW-DUP 1214	
	SAMPLING DATE		12/4/2020		12/4/2020	
	LAB SAMPLE ID		L2054336-25		L2054336-26	
	SAMPLE TYPE		WATER		WATER	
	AWQS	Units	Results	Q	Results	Q
Volatile Organics by GC/MS						
Dibromochloromethane	50	ug/l	0.5	U	0.5	U
Dibromomethane	5	ug/l	5	U	5	U
Dichlorodifluoromethane	5	ug/l	5	U	5	U
Ethyl ether	NC	ug/l	2.5	U	2.5	U
Ethylbenzene	5	ug/l	2.5	U	2.5	U
Hexachlorobutadiene	0.5	ug/l	2.5	U	2.5	U
Isopropylbenzene	5	ug/l	2.5	U	2.5	U
Methyl tert butyl ether	10	ug/l	2.5	U	2.5	U
Methylene chloride	5	ug/l	2.5	U	2.5	U
n-Butylbenzene	5	ug/l	2.5	U	2.5	U
n-Propylbenzene	5	ug/l	2.5	U	2.5	U
Naphthalene	10	ug/l	2.5	U	2.5	U
o-Chlorotoluene	5	ug/l	2.5	U	2.5	U
o-Xylene	5	ug/l	2.5	U	2.5	U
p-Chlorotoluene	5	ug/l	2.5	U	2.5	U
p-Diethylbenzene	NC	ug/l	2	U	2	U
p-Ethyltoluene	NC	ug/l	2	U	2	U
p-Isopropyltoluene	5	ug/l	2.5	U	2.5	U
p/m-Xylene	5	ug/l	2.5	U	2.5	U
sec-Butylbenzene	5	ug/l	2.5	U	2.5	U
Styrene	5	ug/l	2.5	U	2.5	U
tert-Butylbenzene	5	ug/l	2.5	U	2.5	U
Tetrachloroethene	5	ug/l	0.5	U	0.5	U
Toluene	5	ug/l	2.5	U	2.5	U
trans-1,2-Dichloroethene	5	ug/l	2.5	U	2.5	U
trans-1,3-Dichloropropene	0.4	ug/l	0.5	U	0.5	U
trans-1,4-Dichloro-2-butene	5	ug/l	2.5	U	2.5	U
Trichloroethene	5	ug/l	0.5	U	0.5	U
Trichlorofluoromethane	5	ug/l	2.5	U	2.5	U
Vinyl acetate	NC	ug/l	5	U	5	U
Vinyl chloride	2	ug/l	1	U	1	U
Xylenes, Total	NC	ug/l	2.5	U	2.5	U

Table 3
Groundwater Analytical Tables
BCP Site #C224310
Surf Avenue Railroad Cleaners

LOCATION			MW-1(OER)		MW-2(OER)		MW-3(OER)		MW-4		MW-5		MW-1	
SAMPLING DATE			9/24/2020		9/24/2020		9/24/2020		10/28/2020		10/28/2020		10/29/2020	
LAB SAMPLE ID			L2040315-01		L2040315-02		L2040315-03		L2047240-01		L2047240-02		L2047446-01	
SAMPLE TYPE			WATER		WATER		WATER		Groundwater		Groundwater		WATER	
	AWQS	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Semivolatile Organics by GC/MS														
1,2,4,5-Tetrachlorobenzene	5	ug/l	10	U	10	U	10	U	10	U	10	U	10	U
1,2,4-Trichlorobenzene	5	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dichlorobenzene	3	ug/l	2	U	2	U	2	U	2	U	2	U	2	U
1,3-Dichlorobenzene	3	ug/l	2	U	2	U	2	U	2	U	2	U	2	U
1,4-Dichlorobenzene	3	ug/l	2	U	2	U	2	U	2	U	2	U	2	U
2,4,5-Trichlorophenol	NC	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
2,4,6-Trichlorophenol	NC	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
2,4-Dichlorophenol	1	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
2,4-Dimethylphenol	50	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
2,4-Dinitrophenol	10	ug/l	20	U	20	U	20	U	20	U	20	U	20	U
2,4-Dinitrotoluene	5	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
2,6-Dinitrotoluene	5	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
2-Chlorophenol	NC	ug/l	2	U	2	U	2	U	2	U	2	U	2	U
2-Methylphenol	NC	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
2-Nitroaniline	5	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
2-Nitrophenol	NC	ug/l	10	U	10	U	10	U	10	U	10	U	10	U
3,3'-Dichlorobenzidine	5	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
3-Methylphenol/4-Methylphenol	NC	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
3-Nitroaniline	5	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
4,6-Dinitro-o-cresol	NC	ug/l	10	U	10	U	10	U	10	U	10	U	10	U
4-Bromophenyl phenyl ether	NC	ug/l	2	U	2	U	2	U	2	U	2	U	2	U
4-Chloroaniline	5	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
4-Chlorophenyl phenyl ether	NC	ug/l	2	U	2	U	2	U	2	U	2	U	2	U
4-Nitroaniline	5	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
4-Nitrophenol	NC	ug/l	10	U	10	U	10	U	10	U	10	U	10	U
Acetophenone	NC	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
Benzoic Acid	NC	ug/l	9.4	J	9.2	J	8.6	J	50	U	50	U	50	U
Benzyl Alcohol	NC	ug/l	2	U	2	U	2	U	2	U	2	U	2	U
Biphenyl	NC	ug/l	2	U	2	U	2	U	2	U	2	U	2	U
Bis(2-chloroethoxy)methane	5	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
Bis(2-chloroethyl)ether	1	ug/l	2	U	2	U	2	U	2	U	2	U	2	U
Bis(2-chloroisopropyl)ether	5	ug/l	2	U	2	U	2	U	2	U	2	U	2	U
Bis(2-ethylhexyl)phthalate	5	ug/l	3	U	3	U	3	U	3	U	3	U	3	U
Butyl benzyl phthalate	50	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
Carbazole	NC	ug/l	2	U	0.54	J	2	U	2	U	2	U	2	U
Di-n-butylphthalate	50	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
Di-n-octylphthalate	50	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
Dibenzofuran	NC	ug/l	2	U	2	U	2	U	2	U	2	U	2	U
Diethyl phthalate	50	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
Dimethyl phthalate	50	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
Hexachlorocyclopentadiene	5	ug/l	20	U	20	U	20	U	20	U	20	U	20	U
Isophorone	50	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
n-Nitrosodi-n-propylamine	NC	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
NDPA/DPA	50	ug/l	2	U	2	U	2	U	2	U	2	U	2	U

Table 3
Groundwater Analytical Tables
BCP Site #C224310
Surf Avenue Railroad Cleaners

LOCATION			MW-1(OER)		MW-2(OER)		MW-3(OER)		MW-4		MW-5		MW-1	
SAMPLING DATE			9/24/2020		9/24/2020		9/24/2020		10/28/2020		10/28/2020		10/29/2020	
LAB SAMPLE ID			L2040315-01		L2040315-02		L2040315-03		L2047240-01		L2047240-02		L2047446-01	
SAMPLE TYPE			WATER		WATER		WATER		Groundwater		Groundwater		WATER	
	AWQS	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Nitrobenzene	0.4	ug/l	2	U	2	U	2	U	2	U	2	U	2	U
p-Chloro-m-cresol	NC	ug/l	2	U	2	U	2	U	2	U	2	U	2	U
Phenol	1	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
Semivolatile Organics by GC/MS-SIM	NC													
2-Chloronaphthalene	10	ug/l	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
2-Methylnaphthalene	NC	ug/l	0.03	J	0.22		0.1	U	0.1	U	0.1	U	0.1	U
Acenaphthene	20	ug/l	0.03	J	0.39		0.1	U	0.1	U	0.1	U	0.1	U
Acenaphthylene	NC	ug/l	0.04	J	0.02	J	0.1	U	0.1	U	0.1	U	0.1	U
Anthracene	50	ug/l	0.04	J	0.34		0.02	J	0.03	J	0.03	J	0.02	J
Benzo(a)anthracene	0.002	ug/l	0.12		0.04	J	0.03	J	0.03	J	0.1	U	0.1	U
Benzo(a)pyrene	0	ug/l	0.11		0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Benzo(b)fluoranthene	0.002	ug/l	0.17		0.02	J	0.02	J	0.1	U	0.1	U	0.1	U
Benzo(ghi)perylene	NC	ug/l	0.11		0.1	U	0.01	J	0.1	U	0.1	U	0.1	U
Benzo(k)fluoranthene	0.002	ug/l	0.09	J	0.1	U	0.01	J	0.1	U	0.1	U	0.1	U
Chrysene	0.002	ug/l	0.15		0.03	J	0.02	J	0.1	U	0.1	U	0.1	U
Dibenzo(a,h)anthracene	NC	ug/l	0.02	J	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Fluoranthene	50	ug/l	0.14		0.44		0.06	J	0.03	J	0.03	J	0.03	J
Fluorene	50	ug/l	0.02	J	0.44		0.01	J	0.1	U	0.1	U	0.1	U
Hexachlorobenzene	0.04	ug/l	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
Hexachlorobutadiene	0.5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Hexachloroethane	5	ug/l	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
Indeno(1,2,3-cd)pyrene	0.002	ug/l	0.12		0.1	U	0.01	J	0.1	U	0.1	U	0.1	U
Naphthalene	10	ug/l	0.06	J	0.84		0.1	U	0.1	U	0.1	U	0.1	U
Pentachlorophenol	1	ug/l	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
Phenanthrene	50	ug/l	0.1	J	1.5		0.09	J	0.06	J	0.06	J	0.03	J
Pyrene	50	ug/l	0.12		0.3		0.05	J	0.03	J	0.03	J	0.04	J
1,4 Dioxane by 8270D-SIM														
1,4-Dioxane	NC	ug/l	-	-	-	-	-	-	0.144	U	0.179		0.171	

Table 3
Groundwater Analytical Tables
BCP Site #C224310
Surf Avenue Railroad Cleaners

LOCATION			MW-2		MW-3		MW-6		DUP		OER-MW-1		OER-MW-2		OER-MW-3		GW-DUP 1214	
SAMPLING DATE			10/29/2020		10/29/2020		10/29/2020		10/29/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020	
LAB SAMPLE ID			L2047446-02		L2047446-03		L2047446-04		L2047446-07		L2054336-23		L2054336-24		L2054336-25		L2054336-26	
SAMPLE TYPE			WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
	AWQS	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Semivolatile Organics by GC/MS																		
1,2,4,5-Tetrachlorobenzene	5	ug/l	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
1,2,4-Trichlorobenzene	5	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dichlorobenzene	3	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,3-Dichlorobenzene	3	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,4-Dichlorobenzene	3	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
2,4,5-Trichlorophenol	NC	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2,4,6-Trichlorophenol	NC	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2,4-Dichlorophenol	1	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2,4-Dimethylphenol	50	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2,4-Dinitrophenol	10	ug/l	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U
2,4-Dinitrotoluene	5	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2,6-Dinitrotoluene	5	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Chlorophenol	NC	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
2-Methylphenol	NC	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Nitroaniline	5	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Nitrophenol	NC	ug/l	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
3,3'-Dichlorobenzidine	5	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
3-Methylphenol/4-Methylphenol	NC	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
3-Nitroaniline	5	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4,6-Dinitro-o-cresol	NC	ug/l	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
4-Bromophenyl phenyl ether	NC	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
4-Chloroaniline	5	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4-Chlorophenyl phenyl ether	NC	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
4-Nitroaniline	5	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4-Nitrophenol	NC	ug/l	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Acetophenone	NC	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Benzoic Acid	NC	ug/l	50	U	50	U	50	U	50	U	7.8	J	8.1	J	50	U	8	J
Benzyl Alcohol	NC	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Biphenyl	NC	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Bis(2-chloroethoxy)methane	5	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Bis(2-chloroethyl)ether	1	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Bis(2-chloroisopropyl)ether	5	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Bis(2-ethylhexyl)phthalate	5	ug/l	3	U	3	U	3	U	3	U	3	U	1.5	J	3	U	1.5	J
Butyl benzyl phthalate	50	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Carbazole	NC	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Di-n-butylphthalate	50	ug/l	0.54	J	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Di-n-octylphthalate	50	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Dibenzofuran	NC	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Diethyl phthalate	50	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Dimethyl phthalate	50	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Hexachlorocyclopentadiene	5	ug/l	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U
Isophorone	50	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
n-Nitrosodi-n-propylamine	NC	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
NDPA/DPA	50	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U

Table 3
Groundwater Analytical Tables
BCP Site #C224310
Surf Avenue Railroad Cleaners

LOCATION			MW-2		MW-3		MW-6		DUP		OER-MW-1		OER-MW-2		OER-MW-3		GW-DUP 1214	
SAMPLING DATE			10/29/2020		10/29/2020		10/29/2020		10/29/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020	
LAB SAMPLE ID			L2047446-02		L2047446-03		L2047446-04		L2047446-07		L2054336-23		L2054336-24		L2054336-25		L2054336-26	
SAMPLE TYPE			WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
	AWQS	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Nitrobenzene	0.4	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
p-Chloro-m-cresol	NC	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Phenol	1	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Semivolatile Organics by GC/MS-SIM	NC																	
2-Chloronaphthalene	10	ug/l	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
2-Methylnaphthalene	NC	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.04	J	0.03	J
Acenaphthene	20	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Acenaphthylene	NC	ug/l	0.1	U	0.1	U	0.02	J	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Anthracene	50	ug/l	0.02	J	0.1	U	0.03	J	0.02	J	0.1	U	0.04	J	0.1	U	0.1	U
Benzo(a)anthracene	0.002	ug/l	0.1	U	0.1	U	0.06	J	0.02	J	0.1	U	0.1	U	0.1	U	0.02	J
Benzo(a)pyrene	0	ug/l	0.1	U	0.1	U	0.13		0.1	U	0.1	U	0.1	U	0.1	U	0.02	J
Benzo(b)fluoranthene	0.002	ug/l	0.1	U	0.1	U	0.17		0.01	J	0.1	U	0.1	U	0.1	U	0.03	J
Benzo(ghi)perylene	NC	ug/l	0.1	U	0.1	U	0.14		0.02	J	0.1	U	0.1	U	0.1	U	0.06	J
Benzo(k)fluoranthene	0.002	ug/l	0.1	U	0.1	U	0.07	J	0.01	J	0.1	U	0.1	U	0.1	U	0.02	J
Chrysene	0.002	ug/l	0.1	U	0.1	U	0.05	J	0.1	U	0.1	U	0.1	U	0.1	U	0.02	J
Dibenzo(a,h)anthracene	NC	ug/l	0.1	U	0.1	U	0.03	J	0.01	J	0.1	U	0.1	U	0.1	U	0.06	J
Fluoranthene	50	ug/l	0.02	J	0.1	U	0.09	J	0.04	J	0.1	U	0.05	J	0.1	U	0.02	J
Fluorene	50	ug/l	0.1	U	0.1	U	0.02	J	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Hexachlorobenzene	0.04	ug/l	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
Hexachlorobutadiene	0.5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Hexachloroethane	5	ug/l	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
Indeno(1,2,3-cd)pyrene	0.002	ug/l	0.1	U	0.1	U	0.16		0.01	J	0.1	U	0.1	U	0.1	U	0.04	J
Naphthalene	10	ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.13		0.12	
Pentachlorophenol	1	ug/l	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.2	J	0.8	U	0.8	U
Phenanthrene	50	ug/l	0.04	J	0.1	U	0.15		0.05	J	0.1	U	0.06	J	0.1	U	0.1	U
Pyrene	50	ug/l	0.03	J	0.1	U	0.09	J	0.05	J	0.1	U	0.05	J	0.1	U	0.02	J
1,4 Dioxane by 8270D-SIM																		
1,4-Dioxane	NC	ug/l	0.144	U	0.144	U	0.144	U	0.149	J	0.17	U	0.17	U	0.144	U	0.17	U

Table 3
Groundwater Analytical Tables
BCP Site #C224310
Surf Avenue Railroad Cleaners

LOCATION			MW-1(OER)		MW-1(OER)		MW-2(OER)		MW-3(OER)		MW-3		OER-MW-1		OER-MW-2		OER-MW-3		DUP		GW-DUP 1214	
SAMPLING DATE			9/24/2020		10/29/2020		9/24/2020		9/24/2020		10/29/2020		12/4/2020		12/4/2020		12/4/2020		10/29/2020		12/4/2020	
LAB SAMPLE ID			L2040315-01		L2047446-01		L2040315-02		L2040315-03		L2047446-03		L2054336-23		L2054336-24		L2054336-25		L2047446-07		L2054336-26	
SAMPLE TYPE			WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
	AWQS	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Organochlorine Pesticides by GC																						
4,4'-DDD	0.3	ug/l	0.029	U	-	-	0.003	J	0.029	U	-	-	0.029	U	0.029	U	0.029	U	-	-	0.029	U
4,4'-DDE	0.2	ug/l	0.029	U	-	-	0.029	U	0.029	U	-	-	0.029	U	0.029	U	0.029	U	-	-	0.029	U
4,4'-DDT	0.2	ug/l	0.029	U	-	-	0.029	U	0.004	J	-	-	0.029	U	0.029	U	0.029	U	-	-	0.029	U
Aldrin	0	ug/l	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Alpha-BHC	0.01	ug/l	0.014	U	-	-	0.014	U	0.014	U	-	-	0.014	U	0.014	U	0.014	U	-	-	0.014	U
Beta-BHC	0.04	ug/l	0.014	U	-	-	0.014	U	0.014	U	-	-	0.014	U	0.014	U	0.014	U	-	-	0.014	U
Chlordane	0.05	ug/l	0.143	U	-	-	0.143	U	0.143	U	-	-	0.143	U	0.143	U	0.143	U	-	-	0.143	U
cis-Chlordane	NC	ug/l	0.014	U	-	-	0.014	U	0.014	U	-	-	0.014	U	0.014	U	0.014	U	-	-	0.014	U
Delta-BHC	0.04	ug/l	0.014	U	-	-	0.014	U	0.014	U	-	-	0.014	U	0.014	U	0.014	U	-	-	0.014	U
Dieldrin	0.004	ug/l	0.029	U	0.029	U	0.029	U	0.029	U	0.03		0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Endosulfan I	NC	ug/l	0.014	U	-	-	0.014	U	0.014	U	-	-	0.014	U	0.014	U	0.014	U	-	-	0.014	U
Endosulfan II	NC	ug/l	0.029	U	-	-	0.029	U	0.029	U	-	-	0.029	U	0.029	U	0.029	U	-	-	0.029	U
Endosulfan sulfate	NC	ug/l	0.029	U	-	-	0.029	U	0.029	U	-	-	0.029	U	0.029	U	0.029	U	-	-	0.029	U
Endrin	0	ug/l	0.029	U	-	-	0.029	U	0.029	U	-	-	0.029	U	0.029	U	0.029	U	-	-	0.029	U
Endrin aldehyde	5	ug/l	0.029	U	-	-	0.029	U	0.029	U	-	-	0.029	U	0.029	U	0.029	U	-	-	0.029	U
Endrin ketone	5	ug/l	0.029	U	-	-	0.029	U	0.029	U	-	-	0.029	U	0.029	U	0.029	U	-	-	0.029	U
Heptachlor	0.04	ug/l	0.014	U	-	-	0.014	U	0.014	U	-	-	0.014	U	0.014	U	0.014	U	-	-	0.014	U
Heptachlor epoxide	0.03	ug/l	0.014	U	-	-	0.014	U	0.014	U	-	-	0.014	U	0.014	U	0.014	U	-	-	0.014	U
Lindane	0.05	ug/l	0.014	U	-	-	0.014	U	0.014	U	-	-	0.014	U	0.014	U	0.014	U	-	-	0.014	U
Methoxychlor	35	ug/l	0.143	U	-	-	0.143	U	0.143	U	-	-	0.143	U	0.143	U	0.143	U	-	-	0.143	U
Toxaphene	0.06	ug/l	0.143	U	-	-	0.143	U	0.143	U	-	-	0.143	U	0.143	U	0.143	U	-	-	0.143	U
trans-Chlordane	NC	ug/l	0.014	U	-	-	0.014	U	0.014	U	-	-	0.014	U	0.014	U	0.014	U	-	-	0.014	U

Table 3
Groundwater Analytical Tables
BCP Site #C224310
Surf Avenue Railroad Cleaners

LOCATION			MW-1(OER)		MW-2(OER)		MW-3(OER)		OER-MW-1		OER-MW-2		OER-MW-3		GW-DUP 1214	
SAMPLING DATE			9/24/2020		9/24/2020		9/24/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020	
LAB SAMPLE ID			L2040315-01		L2040315-02		L2040315-03		L2054336-23		L2054336-24		L2054336-25		L2054336-26	
SAMPLE TYPE			WATER		WATER		WATER		WATER		WATER		WATER		WATER	
	AWQS	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Polychlorinated Biphenyls by GC																
Aroclor 1016	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1221	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1232	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1242	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1248	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1254	0.09	ug/l	0.065	J	0.078	J	0.078	J	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1260	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1262	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1268	0.09	ug/l	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
PCBs, Total	0.09	ug/l	0.065	J	0.078	J	0.078	J	0.083	U	0.083	U	0.083	U	0.083	U

Table 3
Groundwater Analytical Tables
BCP Site #C224310
Surf Avenue Railroad Cleaners

LOCATION			MW-1(OER)		MW-2(OER)		MW-3(OER)		MW-4		MW-5		MW-1		MW-2		MW-3		MW-6		OER-MW-1		OER-MW-2	
SAMPLING DATE			9/24/2020		9/24/2020		9/24/2020		10/28/2020		10/28/2020		10/29/2020		10/29/2020		10/29/2020		10/29/2020		12/4/2020		12/4/2020	
LAB SAMPLE ID			L2040315-01		L2040315-02		L2040315-03		L2047240-01		L2047240-02		L2047446-01		L2047446-02		L2047446-03		L2047446-04		L2054336-23		L2054336-24	
SAMPLE TYPE			WATER		WATER		WATER		Groundwater		Groundwater		WATER		WATER		WATER		WATER		WATER		WATER	
	AWQS	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Total Metals																								
Aluminum, Total	NC	ug/l	82.1		154		687		49		42.5		42.9		126		112		110		29.2		11.9	
Antimony, Total	3	ug/l	2.09	J	1.05	J	0.97	J	1.29	J	1.07	J	4	U	0.74	J	4	U	1.42	J	3.94	J	1.48	J
Arsenic, Total	25	ug/l	4.05		2.73		1.64		2.69		2.78		1.36		4.91		0.77		0.86		4.16		6.05	
Barium, Total	1000	ug/l	28.27		25.23		31.2		7.65		14.92		12.62		4.66		10.49		12.68		71.41		19.4	
Beryllium, Total	3	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Cadmium, Total	5	ug/l	0.14	J	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.13	J	0.11	J
Calcium, Total	NC	ug/l	108000		152000		138000		90000		123000		63300		54800		75700		58900		110000		260000	
Chromium, Total	50	ug/l	1.99		2.31		7.88		1.12		0.99	J	1.23		1.36		1.13		2.55		1	U	1	U
Cobalt, Total	NC	ug/l	1.2		0.49	J	1.75		0.54		0.93		0.5	U	0.61		0.18	J	0.71		0.24	J	1.72	
Copper, Total	200	ug/l	1.84		1.16		3.55		0.86	J	0.42	J	1	U	0.96	J	1	U	1.4		5.03		2.72	
Iron, Total	300	ug/l	2690		5310		11500		1640		2690		4060		1420		1110		7440		58.8		75.3	
Lead, Total	25	ug/l	3.33		1.57		10.22		1	U	1	U	0.58	J	0.56	J	1	U	3.52		9.89		0.38	J
Magnesium, Total	35000	ug/l	22900		28200		26500		22300		17200		22000		14400		52400		13800		11500		18500	
Manganese, Total	300	ug/l	264.7		248.9		494		78.28		102.1		84.84		88.46		37.81		194.5		10.36		170	
Mercury, Total	0.7	ug/l	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Nickel, Total	100	ug/l	4.55		2.84		10.12		2.28		3.8		2.24		2.41		0.9	J	4.11		1.48	J	6.73	
Potassium, Total	NC	ug/l	13200		18800		18900		14300		10500		14700		14200		23400		9140		8650		14200	
Selenium, Total	10	ug/l	2.56	J	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	2.09	J	5	U
Silver, Total	50	ug/l	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
Sodium, Total	20000	ug/l	112000		146000		161000		121000		126000		161000		147000		203000		60100		78800		120000	
Thallium, Total	0.5	ug/l	1	U	1	U	1	U	0.5	U	0.5	U	1	U	1	U	1	U	0.15	J	0.22	J	0.25	J
Vanadium, Total	NC	ug/l	1.96	J	5	U	1.92	J	3.42	J	1.69	J	1.57	J	2.58	J	5	U	5	U	3.86	J	5.37	
General Chemistry																								
Cyanide, Total	200	ug/l	2	J	2	J	5	U	-	-	-	-	-	-	-	-	-	-	-	-	6		3	J
Zinc, Total	2000	ug/l	99.43		3.89	J	74.56		45.66		55.78		30.38		9.45	J	10	U	4.18	J	107.6		14.35	

Table 3
Groundwater Analytical Tables
BCP Site #C224310
Surf Avenue Railroad Cleaners

	LOCATION		OER-MW-3		DUP		GW-DUP 1214	
	SAMPLING DATE		12/4/2020		10/29/2020		12/4/2020	
	LAB SAMPLE ID		L2054336-25		L2047446-07		L2054336-26	
	SAMPLE TYPE		WATER		WATER		WATER	
	AWQS	Units	Results	Q	Results	Q	Results	Q
Total Metals								
Aluminum, Total	NC	ug/l	37.1		27.8		30.6	
Antimony, Total	3	ug/l	2.04	J	0.68	J	3.12	J
Arsenic, Total	25	ug/l	3.79		1.26		3.76	
Barium, Total	1000	ug/l	10.7		12.03		10.98	
Beryllium, Total	3	ug/l	0.5	U	0.5	U	0.5	U
Cadmium, Total	5	ug/l	0.08	J	0.2	U	0.07	J
Calcium, Total	NC	ug/l	108000		62300		106000	
Chromium, Total	50	ug/l	1	U	1.08		1	U
Cobalt, Total	NC	ug/l	0.27	J	0.5	U	0.25	J
Copper, Total	200	ug/l	12.96		1	U	14.71	
Iron, Total	300	ug/l	46.7	J	3960		51.4	
Lead, Total	25	ug/l	1	U	0.46	J	1	U
Magnesium, Total	35000	ug/l	8830		20100		8430	
Manganese, Total	300	ug/l	1.79		83.44		1.96	
Mercury, Total	0.7	ug/l	0.2	U	0.2	U	0.2	U
Nickel, Total	100	ug/l	4.99		2.21		5.04	
Potassium, Total	NC	ug/l	7260		14500		7130	
Selenium, Total	10	ug/l	5	U	5	U	5	U
Silver, Total	50	ug/l	0.4	U	0.4	U	0.4	U
Sodium, Total	20000	ug/l	34700		149000		33900	
Thallium, Total	0.5	ug/l	0.18	J	1	U	1.5	U
Vanadium, Total	NC	ug/l	6.04		5	U	6.04	
General Chemistry								
Cyanide, Total	200	ug/l	5	U	-	-	3	J
Zinc, Total	2000	ug/l	259.6		29.89		260.4	

Table 3
Groundwater Analytical Tables
BCP Site #C224310
Surf Avenue Railroad Cleaners

LOCATION			MW-4		MW-5		MW-1		MW-2		MW-3		MW-6		DUP		OER-MW-1		OER-MW-2		OER-MW-3		GW-DUP 1214	
SAMPLING DATE			10/28/2020		10/28/2020		10/29/2020		10/29/2020		10/29/2020		10/29/2020		10/29/2020		12/4/2020		12/4/2020		12/4/2020		12/4/2020	
LAB SAMPLE ID			L2047240-01		L2047240-02		L2047446-01		L2047446-02		L2047446-03		L2047446-04		L2047446-07		L2054336-23		L2054336-24		L2054336-25		L2054336-26	
SAMPLE TYPE			Groundwater		Groundwater		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
	AWQS	Units	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Perfluorinated Alkyl Acids by Isotope Dilution																								
8:2FTS)	0.1	ug/l	0.00198	U	0.00203	U	0.0024		0.00189	U	0.00185	U	0.00186	U	0.00186	U	0.00215	U	0.00205	U	0.0019	U	0.00205	U
6:2FTS)	0.1	ug/l	0.00177	J	0.00203	U	0.00187	U	0.00189	U	0.00185	U	0.00186	U	0.00274	F	0.00215	U	0.00205	U	0.0019	U	0.00205	U
NEtFOSAA)	0.1	ug/l	0.00198	U	0.00203	U	0.00187	U	0.00189	U	0.00185	U	0.00186	U	0.00186	U	0.00215	U	0.00205	U	0.0019	U	0.00205	U
NMeFOSAA)	0.1	ug/l	0.00198	U	0.00203	U	0.00187	U	0.00189	U	0.00185	U	0.00186	U	0.00186	U	0.00215	U	0.00205	U	0.0019	U	0.00205	U
Perfluorobutanesulfonic Acid (PFBS)	0.1	ug/l	0.0033		0.0032		0.0118		0.00236		0.000849	J	0.00399		0.0105		0.00463		0.00378		0.0153		0.0123	
Perfluorobutanoic Acid (PFBA)	0.1	ug/l	0.00572		0.00814		0.0091		0.0121		0.00493		0.00603		0.00842		0.00819		0.00664		0.022		0.0195	
Perfluorodecanesulfonic Acid (PFDS)	0.1	ug/l	0.00198	U	0.00203	U	0.00187	U	0.00189	U	0.00185	U	0.00186	U	0.00186	U	0.00215	U	0.00205	U	0.0019	U	0.00205	U
Perfluorodecanoic Acid (PFDA)	0.1	ug/l	0.00052	J	0.000561	J	0.00163	J	0.000359	JF	0.00185	U	0.00117	J	0.00162	J	0.00215	U	0.000608	JF	0.000698	JF	0.000929	JF
Perfluorododecanoic Acid (PFDoA)	0.1	ug/l	0.00198	U	0.00203	U	0.00187	U	0.00189	U	0.00185	U	0.00186	U	0.00186	U	0.00215	U	0.00205	U	0.0019	U	0.00205	U
Perfluoroheptanesulfonic Acid (PFHpS)	0.1	ug/l	0.00198	U	0.00203	U	0.00187	U	0.00189	U	0.00185	U	0.00186	U	0.00186	U	0.00215	U	0.00205	U	0.000797	J	0.000859	J
Perfluoroheptanoic Acid (PFHpA)	0.1	ug/l	0.00548		0.00513		0.00666		0.0128		0.00502		0.00431		0.00669		0.00553		0.00358		0.0173		0.0148	
Perfluorohexanesulfonic Acid (PFHxS)	0.1	ug/l	0.00251		0.00137	J	0.00245		0.00235		0.00187		0.00186		0.00277	F	0.00201	J	0.00266		0.0086		0.00664	
Perfluorohexanoic Acid (PFHxA)	0.1	ug/l	0.00529		0.00738		0.00911		0.0109		0.00388		0.00585		0.01		0.00908		0.00496		0.027		0.0241	
Perfluorononanoic Acid (PFNA)	0.1	ug/l	0.00256		0.00175	J	0.00262		0.00398		0.00149	J	0.00179	J	0.00296		0.00115	J	0.00372		0.00266		0.00311	
Perfluorooctanesulfonamide (FOSA)	0.1	ug/l	0.00198	U	0.00203	U	0.00187	U	0.00189	U	0.00185	U	0.00186	U	0.00186	U	0.00215	U	0.00205	U	0.0019	U	0.00205	U
Perfluorooctanesulfonic Acid (PFOS)	0.01	ug/l	0.0144		0.0192		0.0235		0.00984		0.00475	F	0.0209		0.0257		0.0297	F	0.0435	F	0.0296	F	0.0322	F
Perfluorooctanoic Acid (PFOA)	0.01	ug/l	0.0271		0.026		0.0369		0.122		0.0589		0.0253		0.0355		0.0196	F	0.0226	F	0.0393	F	0.0356	F
Perfluoropentanoic Acid (PFPeA)	0.1	ug/l	0.00592		0.00937		0.00911		0.0119		0.00408		0.0062		0.00906		0.0134		0.00618		0.0276		0.0251	
Perfluorotetradecanoic Acid (PFTA)	0.1	ug/l	0.00198	U	0.00203	U	0.00187	U	0.00189	U	0.00185	U	0.00186	U	0.00186	U	0.00215	U	0.00205	U	0.0019	U	0.00205	U
Perfluorotridecanoic Acid (PFTrDA)	0.1	ug/l	0.00198	U	0.00203	U	0.00187	U	0.00189	U	0.00185	U	0.00186	U	0.00186	U	0.00215	U	0.00205	U	0.0019	U	0.00205	U
Perfluoroundecanoic Acid (PFUnA)	0.1	ug/l	0.00198	U	0.00203	U	0.00187	U	0.00189	U	0.00185	U	0.00186	U	0.00186	U	0.00215	U	0.00205	U	0.0019	U	0.00205	U
PFOA/PFOS, Total	0.5	ug/l	0.0415		0.0452		0.0604		0.132		0.0637		0.0462		0.0612		0.0493		0.0661		0.0689		0.0678	

Table 3
Groundwater Analytical Tables
BCP Site #C224310
Surf Avenue Railroad Cleaners

Notes:
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.
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.
C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
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.)
I - The lower value for the two columns has been reported due to obvious interference.
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.
A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
RE - Analytical results are from sample re-extraction.
R - Analytical results are from sample re-analysis.
D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
P - The RPD between the results for the two columns exceeds the method-specified criteria.
U - Not detected at the reported detection limit for the sample.
M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
S - Analytical results are from modified screening analysis.
B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable
New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.
NC - No Criteria
ug/L - micrograms per liter
Yellow Highlight - Concentration Exceeds the NYSDEC AWQS

Table 4
Summary of Soil Vapor Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SG-11		SG-11		SG-12		SG-12		SG-13		SG-13		SG-14		SG-15		SG-16		SG-17	
				SAMPLING DATE	9/24/2020		10/27/2020		9/24/2020		10/27/2020		9/24/2020		10/27/2020		9/24/2020		9/24/2020		12/4/2020		12/4/2020	
				LAB SAMPLE ID	L2040304-01		L2046909-03		L2040304-02		L2046909-02		L2040304-03		L2046909-01		L2040304-04		L2040304-05		L2054295-01		L2054295-02	
				SAMPLE TYPE	SOIL_VAPOR		SOIL_VAPOR		SOIL_VAPOR		SOIL_VAPOR		SOIL_VAPOR		SOIL_VAPOR		SOIL_VAPOR		SOIL_VAPOR		SOIL_VAPOR		SOIL_VAPOR	
	SSC-A	SSC-B	SSC-C	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics in Air																								
Dichlorodifluoromethane	NC	NC	NC	ug/m3	4.94	U	4.42		6.18	U	2.4		4.94	U	2.41		22.1		4.94	U	4.1		2.23	
Chloromethane	NC	NC	NC	ug/m3	2.07	U	0.413	U	2.58	U	0.413	U	2.07	U	0.413	U	2.07	U	2.07	U	0.413	U	0.413	U
Freon-114	NC	NC	NC	ug/m3	6.99	U	1.4	U	8.74	U	1.4	U	6.99	U	1.4	U	6.99	U	6.99	U	1.4	U	1.4	U
Vinyl chloride	NC	NC	6	ug/m3	2.56	U	0.511	U	3.2	U	0.511	U	2.56	U	0.511	U	2.56	U	2.56	U	0.511	U	0.511	U
1,3-Butadiene	NC	NC	NC	ug/m3	2.21	U	1.87		9.03		3.81		8.1		9.18		7.39		33.2		6.44		0.657	
Bromomethane	NC	NC	NC	ug/m3	3.88	U	0.777	U	4.85	U	0.777	U	3.88	U	0.777	U	3.88	U	3.88	U	0.777	U	0.777	U
Chloroethane	NC	NC	NC	ug/m3	2.64	U	0.528	U	3.3	U	0.528	U	2.64	U	0.528	U	2.64	U	2.64	U	0.528	U	0.528	U
Ethanol	NC	NC	NC	ug/m3	124		28.1		58.8	U	14.7		226		38.1		232		91.6		62.9		42	
Vinyl bromide	NC	NC	NC	ug/m3	4.37	U	0.874	U	5.47	U	0.874	U	4.37	U	0.874	U	4.37	U	4.37	U	0.874	U	0.874	U
Acetone	NC	NC	NC	ug/m3	79.1		76.5		146		86.2		78.2		69.6		62		252		58.9		40.4	
Trichlorofluoromethane	NC	NC	NC	ug/m3	5.62	U	1.61		7.02	U	1.12	U	5.62	U	7.76		5.62	U	5.62	U	2.03		1.71	
Isopropanol	NC	NC	NC	ug/m3	6.15	U	1.33		7.67	U	1.6		6.24		1.23	U	6.15	U	8.16		2.68		2.03	
1,1-Dichloroethene	6	NC	NC	ug/m3	3.96	U	0.793	U	4.96	U	0.793	U	3.96	U	0.793	U	3.96	U	3.96	U	0.793	U	0.793	U
Tertiary butyl Alcohol	NC	NC	NC	ug/m3	7.58	U	3.82		9.46	U	1.52	U	7.58	U	1.52	U	7.58	U	7.58	U	5.7		4.94	
Methylene chloride	NC	100	NC	ug/m3	8.69	U	1.74	U	10.8	U	1.74	U	8.69	U	1.74	U	8.69	U	8.69	U	1.74	U	1.83	
3-Chloropropene	NC	NC	NC	ug/m3	3.13	U	0.626	U	3.91	U	0.626	U	3.13	U	0.626	U	3.13	U	3.13	U	0.626	U	0.626	U
Carbon disulfide	NC	NC	NC	ug/m3	6.6		5.7		7.19		2.84		3.11	U	6.29		3.43		10.2		4.55		7.35	
Freon-113	NC	NC	NC	ug/m3	7.66	U	1.53	U	9.58	U	1.53	U	7.66	U	1.53	U	7.66	U	7.66	U	1.53	U	1.53	U
trans-1,2-Dichloroethene	NC	NC	NC	ug/m3	3.96	U	0.793	U	4.96	U	0.793	U	3.96	U	0.793	U	3.96	U	3.96	U	0.793	U	0.793	U
1,1-Dichloroethane	NC	NC	NC	ug/m3	4.05	U	0.809	U	5.06	U	0.809	U	4.05	U	0.809	U	4.05	U	4.05	U	0.809	U	0.809	U
Methyl tert butyl ether	NC	NC	NC	ug/m3	3.61	U	0.721	U	4.51	U	0.721	U	3.61	U	0.721	U	3.61	U	3.61	U	0.721	U	0.721	U
2-Butanone	NC	NC	NC	ug/m3	846		193		826		99.7		885		339		985		793		13.9		9.26	
cis-1,2-Dichloroethene	6	NC	NC	ug/m3	3.96	U	0.793	U	4.96	U	0.793	U	3.96	U	0.793	U	3.96	U	3.96	U	0.793	U	0.793	U
Ethyl Acetate	NC	NC	NC	ug/m3	9.01	U	1.8	U	11.2	U	1.8	U	9.01	U	1.8	U	9.01	U	9.01	U	1.8	U	1.8	U
Chloroform	NC	NC	NC	ug/m3	11.5		18.8		6.1	U	0.977	U	4.88	U	0.977	U	4.88	U	5.57		0.977	U	7.57	
Tetrahydrofuran	NC	NC	NC	ug/m3	7.37	U	7.82		9.2	U	2.38		7.37	U	6.84		7.37	U	7.37	U	1.47	U	1.47	U
1,2-Dichloroethane	NC	NC	NC	ug/m3	4.05	U	0.809	U	5.06	U	0.809	U	4.05	U	0.809	U	4.05	U	4.05	U	0.809	U	0.809	U
n-Hexane	NC	NC	NC	ug/m3	3.84		4.02		22		2.46		22.6		4.58		11.8		24.7		3.01		3.03	
1,1,1-Trichloroethane	NC	100	NC	ug/m3	5.46	U	1.09	U	6.82	U	1.09	U	5.46	U	2.06		5.46	U	5.46	U	1.09	U	1.09	U
Benzene	NC	NC	NC	ug/m3	3.19	U	2.29		4.7		1.49		4.28		3.35		4.28		11.2		41.2		1.97	
Carbon tetrachloride	6	NC	NC	ug/m3	6.29	U	1.26	U	7.86	U	1.26	U	6.29	U	1.26	U	6.29	U	6.29	U	1.26	U	1.26	U
Cyclohexane	NC	NC	NC	ug/m3	3.44	U	0.688	U	4.3	U	0.688	U	3.44	U	1.95		3.44	U	3.44	U	0.836		1.14	
1,2-Dichloropropane	NC	NC	NC	ug/m3	4.62	U	0.924	U	5.78	U	0.924	U	4.62	U	0.924	U	4.62	U	4.62	U	0.924	U	0.924	U
Bromodichloromethane	NC	NC	NC	ug/m3	6.7	U	1.34	U	8.37	U	1.34	U	6.7	U	1.34	U	6.7	U	6.7	U	1.34	U	1.34	U
1,4-Dioxane	NC	NC	NC	ug/m3	3.6	U	0.721	U	4.5	U	0.721	U	3.6	U	0.721	U	3.6	U	3.6	U	0.721	U	0.721	U
Trichloroethene	6	NC	NC	ug/m3	5.7		5.22		6.72	U	1.07	U	5.37	U	1.07	U	5.37	U	5.37	U	1.27		1.07	U
2,2,4-Trimethylpentane	NC	NC	NC	ug/m3	4.67	U	2.22		8.64		0.934	U	6.17		0.934	U	5		4.67	U	9.2		16.8	
Heptane	NC	NC	NC	ug/m3	4.1	U	2.37		10.7		1.63		7.87		2.21		7.38		13.9		4.07		3.04	
cis-1,3-Dichloropropene	NC	NC	NC	ug/m3	4.54	U	0.908	U	5.67	U	0.908	U	4.54	U	0.908	U	4.54	U	4.54	U	0.908	U	0.908	U
4-Methyl-2-pentanone	NC	NC	NC	ug/m3	10.2	U	2.05	U	12.8	U	2.05	U	10.2	U	2.05	U	10.2	U	10.2	U	4.18		3.32	
trans-1,3-Dichloropropene	NC	NC	NC	ug/m3	4.54	U	0.908	U	5.67	U	0.908	U	4.54	U	0.908	U	4.54	U	4.54	U	0.908	U	0.908	U
1,1,2-Trichloroethane	NC	NC	NC	ug/m3	5.46	U	1.09	U	6.82	U	1.09	U	5.46	U	1.09	U	5.46	U	5.46	U	1.09	U	1.09	U
Toluene	NC	NC	NC	ug/m3	7.73		7.01		13.7		6.18		8.14		4.82		7.88		13.2		43		18.9	
2-Hexanone	NC	NC	NC	ug/m3	118		19.3		20.2		14.4		102		26.7		129		126		3.47		2.65	

Table 4
Summary of Soil Vapor Sampling Results
BCP Site #C224310
Surf Avenue Railroad Cleaners

				LOCATION	SG-11		SG-11		SG-12		SG-12		SG-13		SG-13		SG-14		SG-15		SG-16		SG-17	
				SAMPLING DATE	9/24/2020		10/27/2020		9/24/2020		10/27/2020		9/24/2020		10/27/2020		9/24/2020		9/24/2020		12/4/2020		12/4/2020	
				LAB SAMPLE ID	L2040304-01		L2046909-03		L2040304-02		L2046909-02		L2040304-03		L2046909-01		L2040304-04		L2040304-05		L2054295-01		L2054295-02	
				SAMPLE TYPE	SOIL_VAPOR		SOIL_VAPOR		SOIL_VAPOR		SOIL_VAPOR		SOIL_VAPOR		SOIL_VAPOR		SOIL_VAPOR		SOIL_VAPOR		SOIL_VAPOR		SOIL_VAPOR	
	SSC-A	SSC-B	SSC-C	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics in Air																								
Dibromochloromethane	NC	NC	NC	ug/m3	8.52	U	1.7	U	10.6	U	1.7	U	8.52	U	1.7	U	8.52	U	8.52	U	1.7	U	1.7	U
1,2-Dibromoethane	NC	NC	NC	ug/m3	7.69	U	1.54	U	9.61	U	1.54	U	7.69	U	1.54	U	7.69	U	7.69	U	1.54	U	1.54	U
Tetrachloroethene	NC	100	NC	ug/m3	19.5		115		15.1		2.6		9.49		1.84		14.3		16.7		3.47		3.32	
Chlorobenzene	NC	NC	NC	ug/m3	4.61	U	0.921	U	5.76	U	0.921	U	4.61	U	0.921	U	4.61	U	4.61	U	0.921	U	0.921	U
Ethylbenzene	NC	NC	NC	ug/m3	6.52		44.7		6.04		71.2		4.34	U	73.4		4.34	U	4.86		18.2		13.5	
p/m-Xylene	NC	NC	NC	ug/m3	64.3		169		20		271		15.5		299		13.1		15.6		85.1		63.4	
Bromoform	NC	NC	NC	ug/m3	10.3	U	2.07	U	12.9	U	2.07	U	10.3	U	2.07	U	10.3	U	10.3	U	2.07	U	2.07	U
Styrene	NC	NC	NC	ug/m3	4.26	U	0.852	U	5.32	U	0.852	U	4.26	U	0.852	U	4.26	U	4.26	U	3.89		0.852	U
1,1,2,2-Tetrachloroethane	NC	NC	NC	ug/m3	6.87	U	1.37	U	8.58	U	1.37	U	6.87	U	1.37	U	6.87	U	6.87	U	1.37	U	1.37	U
o-Xylene	NC	NC	NC	ug/m3	36.1		43.9		10.2		76.4		7.95		90.8		8.25		8.25		49.1		38.9	
4-Ethyltoluene	NC	NC	NC	ug/m3	4.92	U	0.983	U	6.15	U	0.983	U	4.92	U	0.983	U	4.92	U	4.92	U	11		8.36	
1,3,5-Trimethylbenzene	NC	NC	NC	ug/m3	4.92	U	0.983	U	6.15	U	0.983	U	4.92	U	0.983	U	4.92	U	4.92	U	28.9		15.5	
1,2,4-Trimethylbenzene	NC	NC	NC	ug/m3	14.3		3.52		14.6		2.23		16		3.14		16.1		14.5		80.1		60	
Benzyl chloride	NC	NC	NC	ug/m3	5.18	U	1.04	U	6.47	U	1.04	U	5.18	U	1.04	U	5.18	U	5.18	U	1.04	U	1.04	U
1,3-Dichlorobenzene	NC	NC	NC	ug/m3	6.01	U	1.2	U	7.52	U	1.2	U	6.01	U	1.2	U	6.01	U	6.01	U	1.2	U	1.2	U
1,4-Dichlorobenzene	NC	NC	NC	ug/m3	6.01	U	1.2	U	7.52	U	1.2	U	6.01	U	1.2	U	6.01	U	6.01	U	1.2	U	1.2	U
1,2-Dichlorobenzene	NC	NC	NC	ug/m3	6.01	U	1.2	U	7.52	U	1.2	U	6.01	U	1.2	U	6.01	U	6.01	U	1.2	U	1.2	U
1,2,4-Trichlorobenzene	NC	NC	NC	ug/m3	7.42	U	1.48	U	9.28	U	1.48	U	7.42	U	1.48	U	7.42	U	7.42	U	1.48	U	1.48	U
Hexachlorobutadiene	NC	NC	NC	ug/m3	10.7	U	2.13	U	13.3	U	2.13	U	10.7	U	2.13	U	10.7	U	10.7	U	2.13	U	2.13	U

Notes:
SSC-A: New York DOH Matrix A Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.
SSC-B: New York DOH Matrix B Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.
SSC-C: New York DOH Matrix C Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.
NC - No Criteria
U - Analyte Not Detected
ug/m3 - Micrograms per meter cubed
Yellow Highlight - EXCEEDS NYSDOH Matrix Value

APPENDIX C
BORING WELL LOGS

SESI CONSULTING ENGINEERS

PROJECT NAME:	2910 W 15th St	GEOPROBE NO.	**S-15 (OER)**
LOCATION:	Brooklyn, NY	JOB NO.	11404
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: AARCO	DATE STARTED: 09/23/20	GROUNDWATER TABLE DEPTH: NE	
INSPECTOR: DA	DATE COMPLETED: 09/23/20	0 Hr.	24 Hr. Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0	0.5		Asphalt	0
			0.5				0
					SB-15(3.0-3.5)	Fill: Brown coarse to fine SAND, trace Silt with fragments of wood, asphalt, brick	0
				4			0
5	40	1	4				0
							0
							0
					SB-15(7.5-8.0)	Soil-water interface approximately 7.5-8.0 feet	0
							0
10	48	2					0
							0
							0
							0
					SB-15(14.0-14.5)		0
15	60	3		15		Lihgt-brown gray coarse to fine SAND	0
						Boring Complete at ± 15 feet bgs	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.

Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE 3.1A

SESI CONSULTING ENGINEERS

PROJECT NAME:	2910 W 15th St	GEOPROBE NO.	**SB-15**
LOCATION:	Brooklyn, NY	JOB NO.	11404
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY:	Aarco (Julio)	DATE STARTED:	10/27/20
INSPECTOR:	JCS	DATE COMPLETED:	10/27/20

GROUNDWATER TABLE DEPTH: 0 Hr. | | 24 Hr. | Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0	1		Asphalt	0
			1				0
	30	1				FILL: Brown coarse to fine SAND, little Silt with fragments of asphalt, brick	0
				4			0
5			4		S-15 (4.5-5)		0
							0
							0
	48	2				(Wet)	0
					S-15 (8-8.5)		0
10							0
							0
							0
	52	3			S-15 (12.5-13)		0
							0
15				15		Gray brown coarse to fine SAND	0
						Boring Complete at 15 Feet BGS	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE 3.1A

SESI CONSULTING ENGINEERS

PROJECT NAME:	2910 W 15th St	GEOPROBE NO.	**S-16 OER**
LOCATION:	Brooklyn, NY	JOB NO.	11404
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: AARCO	DATE STARTED: 09/23/20	GROUNDWATER TABLE DEPTH: NE	
INSPECTOR: DA	DATE COMPLETED: 09/23/20	0 Hr.	24 Hr. Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0	0.5		Asphalt	0
			0.5			Fill: Brown coarse to fine SAND, little Silt with fragments of brick, asphalt, wood	0
				2	SB-16(2.5-3.0)		0
			2				0
5	30	1					0
							0
							0
					SB-16(8.0-8.5)	Soil-water interface approximately 7.5-8.0 feet	0
							0
10	39	2		10		Brown gray coarse to fine SAND	0
			10				0
							0
							0
					SB-16(12.0-12.5)		0
15	60	3		15		Light-brown gray coarse to fine SAND	0
						Boring Complete at ± 15 feet bgs	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE 3.1A

SESI CONSULTING ENGINEERS

PROJECT NAME:	2910 W 15th St	GEOPROBE NO.	**SB-16**
LOCATION:	Brooklyn, NY	JOB NO.	11404
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY:	Aarco (Julio)	DATE STARTED:	10/27/20
INSPECTOR:	JCS	DATE COMPLETED:	10/27/20

GROUNDWATER TABLE DEPTH: 0 Hr. | | 24 Hr. | Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0	1		Asphalt	0
			1			FILL: Brown coarse to fine SAND, little Silt with fragments of asphalt, brick	0
	38	1		3			0
			3				0
5					S-16 (4.5-5)		0
							0
							0
	45	2				(Wet)	0
					S-16 (8-8.5)		0
10							0
							0
							0
	54	3			S-16 (12.5-13)		0
							0
15				15		Gray brown coarse to fine SAND	0
						Boring Complete at 15 Feet BGS	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE 3.1A

SESI CONSULTING ENGINEERS

PROJECT NAME:	2910 W 15th St	GEOPROBE NO.	**S-17 OER**
LOCATION:	Brooklyn, NY	JOB NO.	11404
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY:	AARCO	DATE STARTED:	09/23/20
INSPECTOR:	DA	DATE COMPLETED:	09/23/20

GROUNDWATER TABLE DEPTH: NE — 0 Hr. | 24 Hr. | Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0			FILL: Brown coarse to fine SAND, trace Silt with fragments of brick and asphalt	0
				2			0
			2				0
					SB-17(4.0-4.50)		0
5	25	1					0
							0
							0
						Soil-water interface approximately 7.5-8.0 feet	0
					SB-17(9.0-9.5)		0
10	42	2					0
					SB-17(10.0-10.5)		1.8
							0
							0
							0
15	45	3		15		Light-brown gray coarse to fine SAND	0
						Boring Complete at ± 15 feet bgs	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE 3.1A

SESI CONSULTING ENGINEERS

PROJECT NAME:	2910 W 15th St	GEOPROBE NO.	**SB-17**
LOCATION:	Brooklyn, NY	JOB NO.	11404
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY:	Aarco (Julio)	DATE STARTED:	10/27/20
INSPECTOR:	JCS	DATE COMPLETED:	10/27/20

GROUNDWATER TABLE DEPTH: 0 Hr. | | 24 Hr. | Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0	1		Asphalt	0
			1				0
	36	1				FILL: Brown coarse to fine SAND, little Silt with fragments of asphalt, brick	0
				4			0
5			4		S-17 (4.5-5)		0
							0
							0
	50	2				(Wet)	0
					S-17 (8-8.5)		0
10							0
							0
							0
	55	3			S-17 (12.5-13)		0
							0
15				15		Gray brown coarse to fine SAND	0
						Boring Complete at 15 Feet BGS	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE 3.1A

SESI CONSULTING ENGINEERS

PROJECT NAME:	2910 W 15th St	GEOPROBE NO.	**S-18 OER**
LOCATION:	Brooklyn, NY	JOB NO.	11404
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: AARCO	DATE STARTED: 09/23/20	GROUNDWATER TABLE DEPTH: NE	
INSPECTOR: DA	DATE COMPLETED: 09/23/20	0 Hr.	24 Hr. Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0	0.5		Asphalt	0
			0.5				0
				3		FILL: Brown coarse to fine SAND, trace Silt with fragments of brick	0
			3		SB-18(3.5-4.0)		0
5	20	1					0
							0
							0
					SB-18(7.0-7.5)	Soil-water interface approximately 7.5-8.0 feet	0
							0
10	43	2					0
							0
							0
					SB-18(13.0-13.5)		0
							0
15	48	3		15		Light-brown gray coarse to fine SAND	0
						Boring Complete at ± 15 feet bgs	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE 3.1A

SESI CONSULTING ENGINEERS

PROJECT NAME:	2910 W 15th St	GEOPROBE NO.	**SB-18**
LOCATION:	Brooklyn, NY	JOB NO.	11404
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY:	Aarco (Julio)	DATE STARTED:	10/27/20
INSPECTOR:	JCS	DATE COMPLETED:	10/27/20

GROUNDWATER TABLE DEPTH: 0 Hr. | | 24 Hr. | Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0	1		Asphalt	0
			1				0
	30	1				FILL: Brown coarse to fine SAND, little Silt with fragments of asphalt, brick	0
				4			0
5			4		S-18 (4.5-5)		0
							0
							0
	42	2				(Wet)	0
					S-18 (8-8.5)		0
10							0
							0
							0
	50	3			S-18 (12.5-13)		0
							0
15				15		Gray brown coarse to fine SAND	0
						Boring Complete at 15 Feet BGS	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE 3.1A

SESI CONSULTING ENGINEERS

PROJECT NAME:	2910 W 15th St	GEOPROBE NO.	**S-19 OER**
LOCATION:	Brooklyn, NY	JOB NO.	11404
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: AARCO	DATE STARTED:	09/23/20	GROUNDWATER TABLE DEPTH: NE
INSPECTOR: DA	DATE COMPLETED:	09/23/20	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0	0.5		Asphalt	0
			0.5				0
						FILL: Dark brown coarse to fine SAND, little Silt with fragments of brick, asphalt, wood	0
				4	SB-19(2.5-3.0)		0
5	31	1	4				0
							164.2
				7		Brown gray coarse to fine SAND, strong odor	400.2
			7			Soil-water interface approximately 7.5-8.0 feet	69.1
					SB-19(7.5-8.0)		24.3
10	42	2					20.5
					SB-19(10.0-10.5)		6.9
							3
							2.5
							0
15	45	3		15		Light brown gray coarse to fine SAND	0
						Boring Complete at ± 15 feet bgs	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE 3.1A

SESI CONSULTING ENGINEERS

PROJECT NAME:	2910 W 15th St	GEOPROBE NO.	**SB-19**
LOCATION:	Brooklyn, NY	JOB NO.	11404
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY:	Aarco (Julio)	DATE STARTED:	10/27/20
INSPECTOR:	JCS	DATE COMPLETED:	10/27/20

GROUNDWATER TABLE DEPTH: 0 Hr. | | 24 Hr. | Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0	1		Asphalt	0
			1				0
	34	1				FILL: Brown coarse to fine SAND, trace Silt with fragments of asphalt, brick	0
				4			0
5			4		S-19 (4.5-5)		0
							0
							0
	44	2				(Wet)	0
					S-19 (8-8.5)		0
10							0
							0
							0
	48	3			S-19 (12.5-13)		0
							0
15				15		Gray brown coarse to fine SAND	0
						Boring Complete at 15 Feet BGS	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.

Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE 3.1A

SESI CONSULTING ENGINEERS

PROJECT NAME:	2910 W 15 th St	GEOPROBE NO.	**S-20 OER**
LOCATION:	Brooklyn, NY	JOB NO.	11404
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: AARCO	DATE STARTED: 09/23/20	GROUNDWATER TABLE DEPTH: NE	
INSPECTOR: DA	DATE COMPLETED: 09/23/20	0 Hr.	24 Hr. Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0	0.5		Asphalt	0
			0.5			FILL: Dark brown coarse to fine SAND, trace Silt with fragments of brick, asphalt, wood	0
				3			0
			3		SB-20(4.5-5)		0
5	30	1					0
				6		Brown gray coarse to fine SAND	0
			6				0
					SB-20(6.5-7.0)	Soil-water interface approximately 7.5-8.0 feet	0
							0
10	41	2					0
					SB-20(11.0-11.5)		0
							0
							0
							0
15	60	3		15		Light brown gray coarse to fine SAND	0
						Boring Complete at ± 15 feet bgs	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE 3.1A

SESI CONSULTING ENGINEERS

PROJECT NAME:	2910 W 15th St	GEOPROBE NO.	**SB-20**
LOCATION:	Brooklyn, NY	JOB NO.	11404
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY:	Aarco (Julio)	DATE STARTED:	10/27/20
INSPECTOR:	JCS	DATE COMPLETED:	10/27/20

GROUNDWATER TABLE DEPTH: 0 Hr. | | 24 Hr. | Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0	1		Asphalt	0
			1				0
	30	1				FILL: Brown coarse to fine SAND, trace Silt with fragments of asphalt, brick	0
				4			0
5			4		S-20 (4.5-5)		0
							0
							0
	42	2				(Wet)	0
					S-20 (8-8.5)		0
10							0
							0
							0
	50	3			S-20 (12.5-13)		0
							0
15				15		Gray brown coarse to fine SAND	0
						Boring Complete at 15 Feet BGS	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE 3.1A

SESI CONSULTING ENGINEERS

PROJECT NAME:	2910 W 15th St	GEOPROBE NO.	**S-21 OER**
LOCATION:	Brooklyn, NY	JOB NO.	11404
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: AARCO	DATE STARTED: 09/23/20	GROUNDWATER TABLE DEPTH: NE	
INSPECTOR: DA	DATE COMPLETED: 09/23/20	0 Hr.	24 Hr. Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0	0.5		Asphalt	0
			0.5				0
					SB-21(3.0-3.5)	FILL: Brown coarse to fine SAND, trace Silt with fragments of brick, wood	0
				4			0
5	60	1	4				0
							0
							0
						Soil-water interface approximately 7.5-8.0 feet	0
					SB-21(9.0-9.5)		0
10	40	2		10		Brown gray coarse to fine SAND	0
			10		SB-21(12.0-12.5)		0
							0
							0
							0
15	28	3		15		Light brown gray coarse to fine SAND	0
						Boring Complete at ± 15 feet bgs	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE 3.1A

SESI CONSULTING ENGINEERS

PROJECT NAME:	2910 W 15th St	GEOPROBE NO.	**SB-21**
LOCATION:	Brooklyn, NY	JOB NO.	11404
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY:	Aarco (Julio)	DATE STARTED:	10/27/20
INSPECTOR:	JCS	DATE COMPLETED:	10/27/20

GROUNDWATER TABLE DEPTH: 0 Hr. | | 24 Hr. | Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0	1		Asphalt	0
			1			FILL: Brown coarse to fine SAND, little Silt with fragments of asphalt, brick	0
	34	1		3			0
			3				0
5					S-21 (4.5-5)		0
							0
							0
	40	2				(Wet)	0
					S-21 (8-8.5)		0
10							0
							0
							0
	48	3			S-21 (12.5-13)		0
							0
15				15		Gray brown coarse to fine SAND	0
						Boring Complete at 15 Feet BGS	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE 3.1A

SESI CONSULTING ENGINEERS

PROJECT NAME:	2910 W 15th St	GEOPROBE NO.	**S-22 OER**
LOCATION:	Brooklyn, NY	JOB NO.	11404
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: AARCO	DATE STARTED: 09/23/20	GROUNDWATER TABLE DEPTH: NE	
INSPECTOR: DA	DATE COMPLETED: 09/23/20	0 Hr.	24 Hr. Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			1			Asphalt	0
							0
						FILL: Brown coarse to fine SAND, trace Silt with fragmnets of brick, asphalt	0
				4	SB-22(4.5-5.0)		0
5	35	1	4				0
							0
							0
					SB-22(7.5-8.0)	Soil-water interface approximately 7.5-8.0 feet	0
							0
10	42	2					0
					SB-22(11.0-11.5)		0
							0
							0
							0
15	32	3		15		Light brown gray coarse to fine SAND	0
						Boring Complete at ± 15 feet bgs	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE 3.1A

SESI CONSULTING ENGINEERS

PROJECT NAME:	2910 W 15th St	GEOPROBE NO.	**S-23 OER**
LOCATION:	Brooklyn, NY	JOB NO.	11404
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: AARCO	DATE STARTED: 09/24/20	GROUNDWATER TABLE DEPTH: NE	
INSPECTOR: DA	DATE COMPLETED: 09/24/20	0 Hr.	24 Hr. Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0	0.5		Asphalt	0
			0.5			FILL: Brown coarse to fine SAND, trace Silt with fragments of brick, asphalt, wood	0
				3			0
			3		SB-23(4.5-5.0)		0
5	30	1					0
							0
							0
					SB-23(7.5-8.0)	Soil-water interface approximately 7.5-8.0 feet	0
							0
10	39	2					0
							0
					SB-23(11.5-12.0)		0
							0
							0
15	47	3		15		Light-brown gray coarse to fine SAND	0
						Boring Complete at ± 15 feet bgs	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE 3.1A

SESI CONSULTING ENGINEERS

PROJECT NAME:	2910 W 15th St	GEOPROBE NO.	**S-24 OER**
LOCATION:	Brooklyn, NY	JOB NO.	11404
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY:	AARCO	DATE STARTED:	09/24/20
INSPECTOR:	DA	DATE COMPLETED:	09/24/20

GROUNDWATER TABLE DEPTH: NE — 0 Hr. | 24 Hr. | Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0	0.5		Asphalt	0
			0.5				0
						FILL: Dark brown coarse to fine SAND, trace Silt with fragments of brick	0
				4	SB-24(3.0-3.5)		0
5	35	1	4				0
					SB-24(6.0-6.5)		0
							0
						Soil-water interface approximately 7.5-8.0 feet	0
							0
10	41	2					0
							0
					SB-24(14-14.5)		0
							0
							0
15	34	3		15		Light-brown gray coarse to fine SAND	0
						Boring Complete at ± 15 feet bgs	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE 3.1A

SESI CONSULTING ENGINEERS

PROJECT NAME:	2910 W 15th St	GEOPROBE NO.	**S-25 OER**
LOCATION:	Brooklyn, NY	JOB NO.	11404
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: AARCO	DATE STARTED:	09/24/20	GROUNDWATER TABLE DEPTH: NE
INSPECTOR: DA	DATE COMPLETED:	09/24/20	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0	0.5		Asphalt	0
			0.5				0
						FILL: Dark brown coarse to fine SAND, trace Silt with fragments of brick, asphalt	0
				4	SB-25(3.0-3.5)		0
5	40	1	4				0
					SB-25(6.0-6.5)		0
							0
						Soil-water interface approximately 7.5-8.0 feet	0
							0
10	45	2					0
							0
					SB-25(13.0-13.5)		0
							0
							0
15	43	3		15		Light-brown gray coarse to fine SAND	0
						Boring Complete at ± 15 feet bgs	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE 3.1A

SESI CONSULTING ENGINEERS

PROJECT NAME:	2910 W 15th St	GEOPROBE NO.	**SB-26**
LOCATION:	Brooklyn, NY	JOB NO.	11404
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: Aarco (Sergio)	DATE STARTED:	12/4/20	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	12/4/20	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0	0.5		Asphalt	0
			0.5				0
	36	1			SB-26 (2-3)		0
							0
5				5		FILL: Brown coarse to fine SAND, little coarse to fine Gravel with fragments of wood	0
			5		SB-26 (5-6)		0
							0
	44	2					0
							0
10				10		Light-brown gray coarse to fine SAND	0
			10			(Wet)	0
							0
	50	3			SB-26 (12-13)		0
							0
15				15		Gray brown coarse to fine SAND	0
						Boring Complete at 15 Feet BGS	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE 3.1A

SESI CONSULTING ENGINEERS

PROJECT NAME:	2910 W 15th St	GEOPROBE NO.	**SB-27**
LOCATION:	Brooklyn, NY	JOB NO.	11404
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: Aarco (Sergio)	DATE STARTED:	12/4/20	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	12/4/20	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0	0.5		Asphalt	0
			0.5				0
	32	1					0
					SB-27 (3-4)		0
5				5		FILL: Brown coarse to fine SAND, little coarse to fine Gravel with fragments of wood	0
			5				0
							0
	42	2			SB-27 (7-8)		0
							0
10				10		Light-brown gray coarse to fine SAND	0
			10			(Wet)	0
							0
	48	3					0
					SB-27 (13-14)		0
15				15		Gray brown coarse to fine SAND	0
						Boring Complete at 15 Feet BGS	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE 3.1A

SESI CONSULTING ENGINEERS

PROJECT NAME:	2910 W 15th St	GEOPROBE NO.	**SB-28**
LOCATION:	Brooklyn, NY	JOB NO.	11404
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY:	Aarco (Sergio)	DATE STARTED:	12/4/20
INSPECTOR:	JCS	DATE COMPLETED:	12/4/20

GROUNDWATER TABLE DEPTH: 0 Hr. | 24 Hr. | Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0	0.5		Asphalt	0
			0.5				0
	32	1			SB-28 (2-3)		0
							0
5				5		FILL: Brown coarse to fine SAND, little coarse to fine Gravel with fragments of brick, wood	0
			5				0
					SB-28 (6-7)		0
	42	2					0
							0
10				10			0
			10			(Wet)	0
							0
	48	3			SB-28 (12-13)		0
							0
15				15		Gray brown coarse to fine SAND	0
						Boring Complete at 15 Feet BGS	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE 3.1A

SESI CONSULTING ENGINEERS

PROJECT NAME:	2910 W 15th St	GEOPROBE NO.	**SB-29**
LOCATION:	Brooklyn, NY	JOB NO.	11404
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY:	Aarco (Sergio)	DATE STARTED:	12/4/20
INSPECTOR:	JCS	DATE COMPLETED:	12/4/20

GROUNDWATER TABLE DEPTH: 0 Hr. | 24 Hr. | Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0	0.5		Asphalt	0
			0.5				0
	30	1					0
					SB-29(3-4)		0
5				5		FILL: Brown coarse to fine SAND, little coarse to fine Gravel with fragments of brick and asphalt	0
			5				0
					SB-29 (6-7)		0
	38	2					0
							0
10				10		Light-brown gray coarse to fine SAND, trace coarse to fine Gravel	0
			10			(Wet)	0
							0
	42	3			SB-29 (12-13)		0
							0
15				15		Gray brown coarse to fine SAND	0
						Boring Complete at 15 Feet BGS	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE 3.1A

SESI CONSULTING ENGINEERS

PROJECT NAME:	2910 W 15th St	GEOPROBE NO.	**SB-30**
LOCATION:	Brooklyn, NY	JOB NO.	11404
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: Aarco (Sergio)	DATE STARTED:	12/4/20	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	12/4/20	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0	0.5		Asphalt	0
			0.5				0
	32	1					6.5
					SB-30 (3-4)	FILL: Brown coarse to fine SAND, little coarse to fine Gravel with fragments of brick, wood, asphalt	26
5				5			0
			5				0
							0
	36	2			SB-30 (7-8)		8
							0
10				10		Light-brown gray coarse to fine SAND, trace coarse to fine Gravel	0
			10			(Wet)	0
							0
	44	3					0
					SB-30 (13-14)		0
15				15		Gray brown coarse to fine SAND	0
						Boring Complete at 15 Feet BGS	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE 3.1A

SESI CONSULTING ENGINEERS

PROJECT NAME:	2910 W 15th St	GEOPROBE NO.	**SB-31**
LOCATION:	Brooklyn, NY	JOB NO.	11404
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: Aarco (Sergio)	DATE STARTED:	12/4/20	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	12/4/20	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0	0.5		Asphalt	0
			0.5				0
	34	1					0
							0
5				5	SB-31 (4-5)	FILL: Brown coarse to fine SAND, little coarse to fine Gravel with fragments of brick, concrete	0
			5				0
							0
	40	2					0
					SB-31 (8-9)		0
10				10			0
			10			(Wet)	0
					SB-31 (11-12)		0
	46	3					0
							0
15				15		Gray brown coarse to fine SAND	0
						Boring Complete at 15 Feet BGS	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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Pp: Pocket Penetrometer; DP: Direct Push

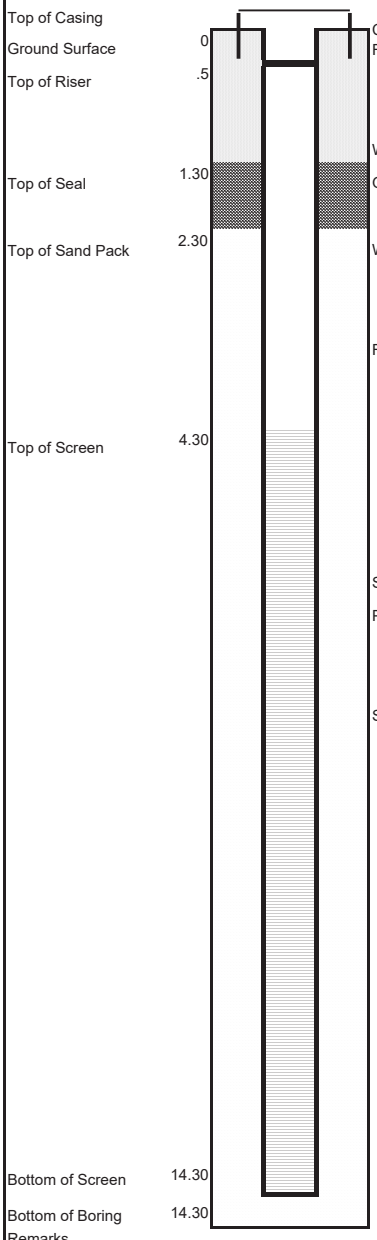
Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE 3.1A

SESI CONSULTING ENGINEERS	PROJECT NAME:	2910 W 15th St	MONITORING WELL NO.	**MW-1**	
	PROJECT LOCATION:	Brooklyn, NY	JOB NO.	11404	
			GROUND ELEVATION:	NA	

BORING BY: Aarco (Julio)	DATE STARTED	10/28/20	DEVELOPMENT PERIOD	30 min	INSIDE CASING DIAMETER (in)	2
INSPECTOR: JCS	DATE COMPLETED	10/28/20	DEVELOPMENT METHOD	Sub Pump	BOREHOLE DIAMETER (in)	3
NJ DEP PERMIT NO.:	DATE DEVELOPED	10/28/20	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	6.87



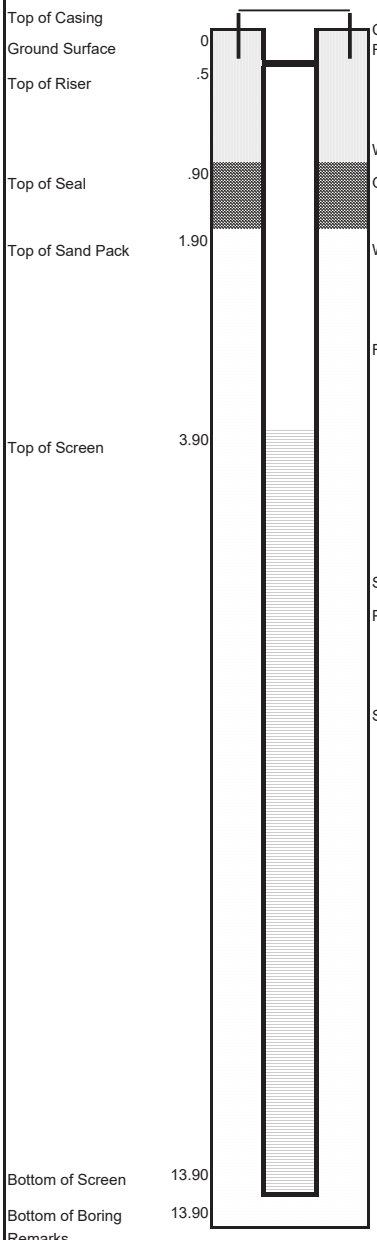
DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
0							Asphalt	0
								0
								0
							FILL: Brown coarse to fine SAND, little Silt with asphalt, brick	0
5								0
								0
								0
							(Wet)	0
								0
10								0
								0
								0
								0
								0
15							Gray brown coarse to fine SAND	0
							Boring Complete at 15 Feet BGS	
20								
25								
30								
35								
40								

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

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SESI CONSULTING ENGINEERS	PROJECT NAME:	2910 W 15th St	MONITORING WELL NO.	**MW-2**
	PROJECT LOCATION:	Brooklyn, NY	JOB NO.	11404
			GROUND ELEVATION:	NA

BORING BY: Aarco (Julio)	DATE STARTED	10/28/20	DEVELOPMENT PERIOD	30 min	INSIDE CASING DIAMETER (in)	2
INSPECTOR: JCS	DATE COMPLETED	10/28/20	DEVELOPMENT METHOD	Sub Pump	BOREHOLE DIAMETER (in)	3
NJ DEP PERMIT NO.:	DATE DEVELOPED	10/28/20	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	6.35



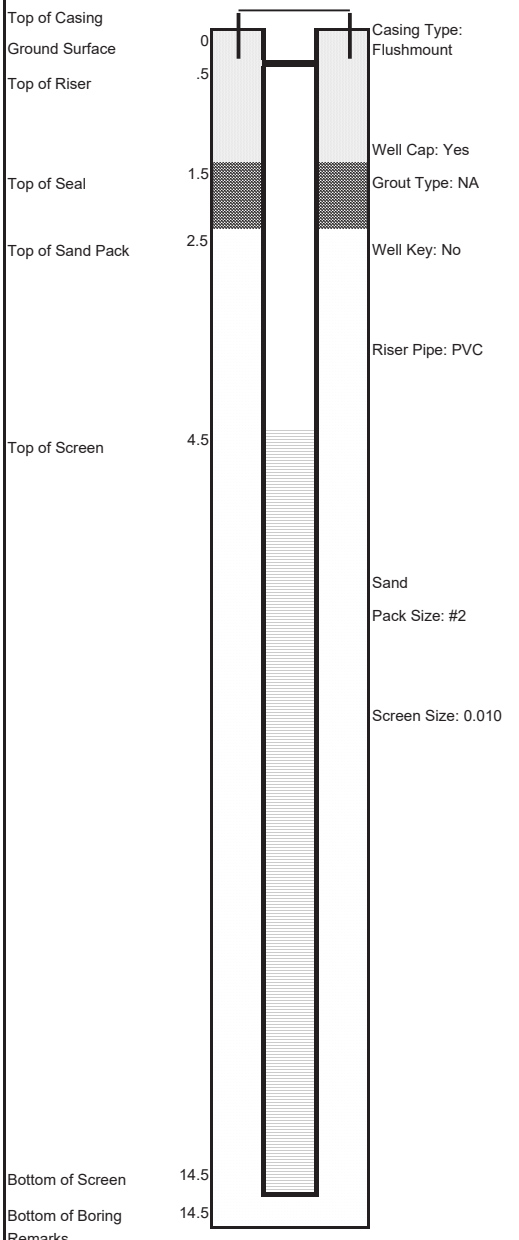
DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
0							Asphalt	0
								0
							FILL: Brown coarse to fine SAND, little Silt with asphalt, brick	0
								0
5								0
								0
								0
							(Wet)	0
								0
10								0
								0
								0
								0
								0
15							Gray brown coarse to fine SAND	0
							Boring Complete at 15 Feet BGS	
20								
25								
30								
35								
40								

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

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SESI CONSULTING ENGINEERS	PROJECT NAME:	2910 W 15th St	MONITORING WELL NO.	**MW-3**
	PROJECT LOCATION:	Brooklyn, NY	JOB NO.	11404
			GROUND ELEVATION:	NA

BORING BY: Aarco (Julio)	DATE STARTED	10/28/20	DEVELOPMENT PERIOD	30 min	INSIDE CASING DIAMETER (in)	2
INSPECTOR: JCS	DATE COMPLETED	10/28/20	DEVELOPMENT METHOD	Sub Pump	BOREHOLE DIAMETER (in)	3
NJ DEP PERMIT NO.:	DATE DEVELOPED	10/28/20	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	6.73



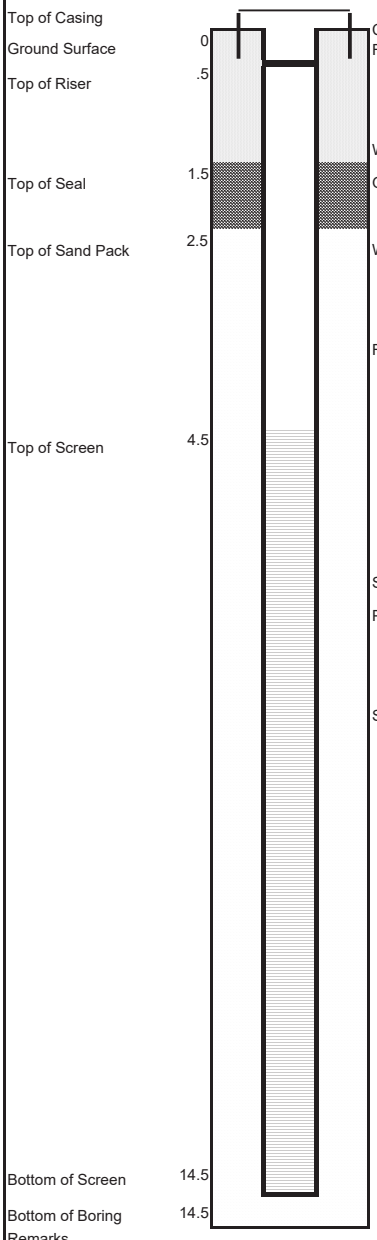
DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
0							Asphalt	0
								0
							FILL: Brown coarse to fine SAND, little Silt with asphalt, brick	0
								0
5								0
								0
								0
							(Wet)	0
								0
10								0
								0
								0
								0
								0
15							Gray brown coarse to fine SAND	0
							Boring Complete at 15 Feet BGS	
20								
25								
30								
35								
40								

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

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SESI CONSULTING ENGINEERS	PROJECT NAME:	2910 W 15th St	MONITORING WELL NO.	**MW-4**
	PROJECT LOCATION:	Brooklyn, NY	JOB NO.	11404
			GROUND ELEVATION:	NA

BORING BY: Aarco (Julio)	DATE STARTED	10/28/20	DEVELOPMENT PERIOD	30 min	INSIDE CASING DIAMETER (in)	2
INSPECTOR: JCS	DATE COMPLETED	10/28/20	DEVELOPMENT METHOD	Sub Pump	BOREHOLE DIAMETER (in)	3
NJ DEP PERMIT NO.:	DATE DEVELOPED	10/28/20	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	7.25



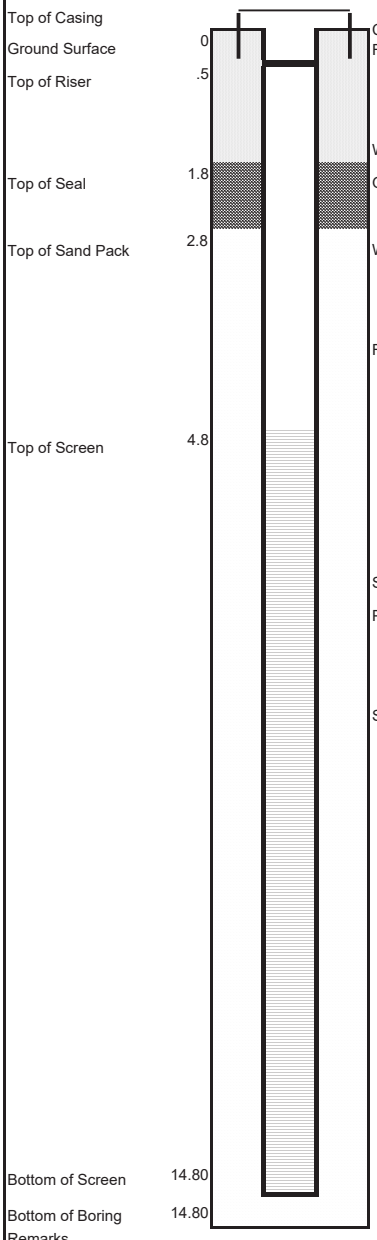
DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
0							Asphalt	0
								0
							FILL: Brown coarse to fine SAND, little Silt with asphalt, brick	0
								0
5								0
								0
								0
							(Wet)	0
								0
10								0
								0
								0
								0
								0
15							Gray brown coarse to fine SAND	0
							Boring Complete at 15 Feet BGS	
20								
25								
30								
35								
40								

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

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SESI CONSULTING ENGINEERS	PROJECT NAME:	2910 W 15th St	MONITORING WELL NO.	**MW-5**	
	PROJECT LOCATION:	Brooklyn, NY	JOB NO.	11404	
			GROUND ELEVATION:	NA	

BORING BY: Aarco (Julio)	DATE STARTED	10/28/20	DEVELOPMENT PERIOD	30 min	INSIDE CASING DIAMETER (in)	2
INSPECTOR: JCS	DATE COMPLETED	10/28/20	DEVELOPMENT METHOD	Sub Pump	BOREHOLE DIAMETER (in)	3
NJ DEP PERMIT NO.:	DATE DEVELOPED	10/28/20	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	7.27



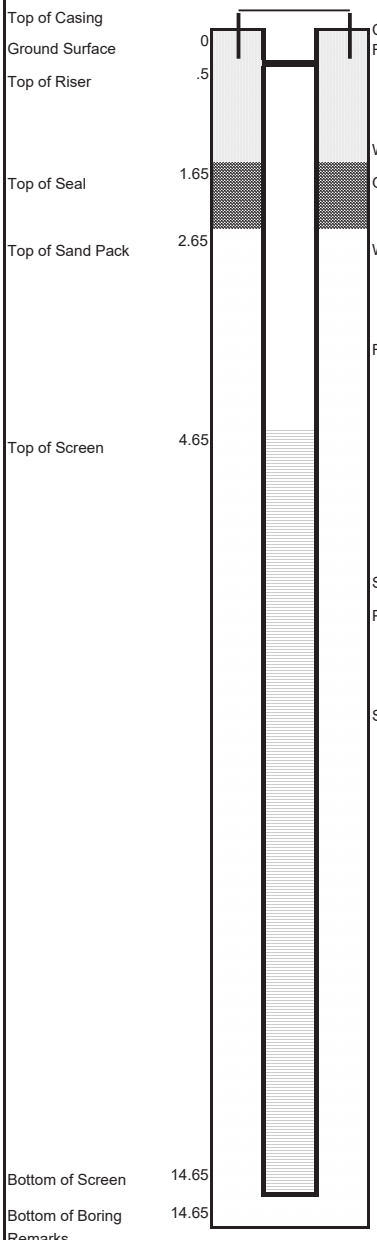
WELL CONSTRUCTION	DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
	0							Asphalt	0
									0
									0
								FILL: Brown coarse to fine SAND, trace Silt with asphalt, brick	0
	5								0
									0
									0
								(Wet)	0
									0
	10								0
									0
									0
									0
									0
	15							Gray brown coarse to fine SAND	0
								Boring Complete at 15 Feet BGS	
	20								
	25								
	30								
	35								
	40								

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

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SESI CONSULTING ENGINEERS	PROJECT NAME:	2910 W 15th St		MONITORING WELL NO.	**MW-6**
	PROJECT LOCATION:	Brooklyn, NY		JOB NO.	11404
				GROUND ELEVATION:	NA

BORING BY: Aarco (Julio)	DATE STARTED	10/28/20	DEVELOPMENT PERIOD	30 min	INSIDE CASING DIAMETER (in)	2
INSPECTOR: JCS	DATE COMPLETED	10/28/20	DEVELOPMENT METHOD	Sub Pump	BOREHOLE DIAMETER (in)	3
NJ DEP PERMIT NO.:	DATE DEVELOPED	10/28/20	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	6.88



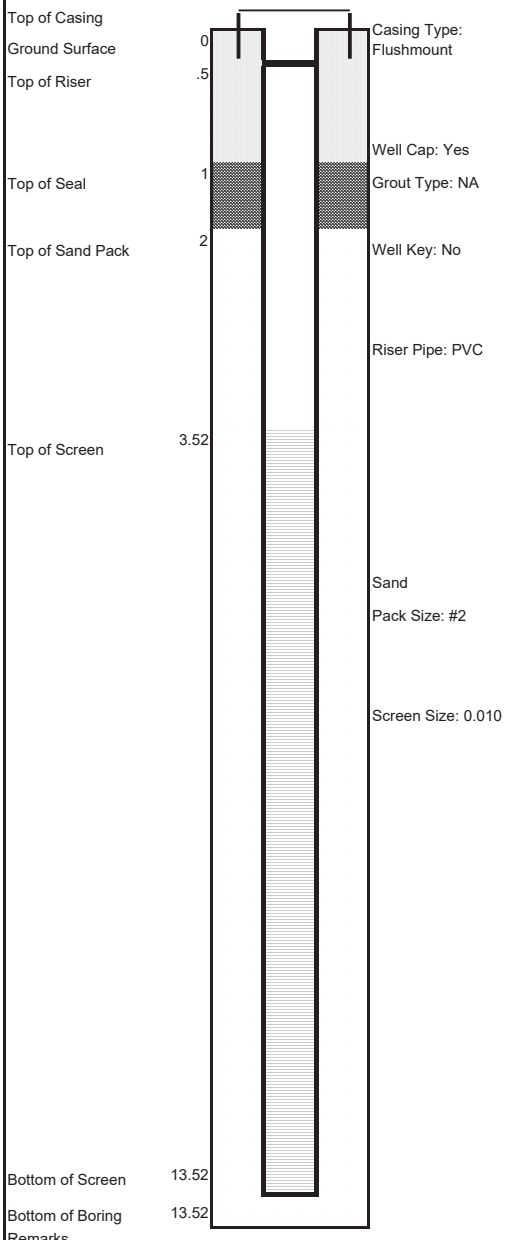
WELL CONSTRUCTION	DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
	0							Asphalt	0
									0
									0
								FILL: Brown coarse to fine SAND, trace Silt with asphalt, brick	0
	5								0
									0
									0
								(Wet)	0
									0
	10								0
									0
									0
									0
									0
	15							Gray brown coarse to fine SAND	0
								Boring Complete at 15 Feet BGS	
	20								
	25								
	30								
	35								
	40								

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

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SESI CONSULTING ENGINEERS	PROJECT NAME:	2910 W 15th St	MONITORING WELL NO.	OER-MW-1
	PROJECT LOCATION:	Brooklyn, NY	JOB NO.	11404
			GROUND ELEVATION:	NA

BORING BY: Aarco (Julio)	DATE STARTED	9/23/20	DEVELOPMENT PERIOD	30 min	INSIDE CASING DIAMETER (in)	1
INSPECTOR: JCS	DATE COMPLETED	9/23/20	DEVELOPMENT METHOD	Peri Pump	BOREHOLE DIAMETER (in)	2
NJ DEP PERMIT NO.:	DATE DEVELOPED	9/23/20	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	6.15



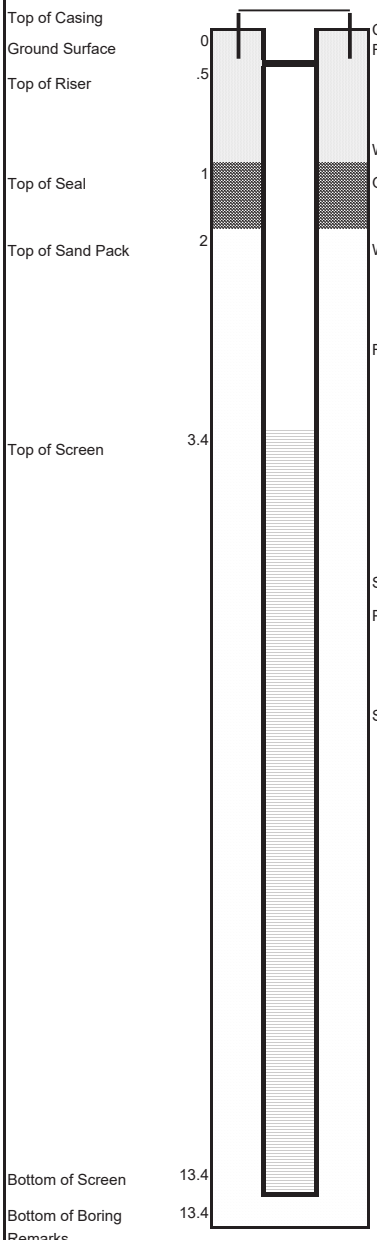
DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
0							Asphalt	0
								0
								0
							FILL: Brown coarse to fine SAND, little Silt with asphalt, brick	0
5								0
								0
								0
							(Wet)	0
								0
10								0
								0
								0
							Gray brown coarse to fine SAND	0
							Boring Complete at 13 Feet BGS	
15								
20								
25								
30								
35								
40								

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

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SESI CONSULTING ENGINEERS	PROJECT NAME:	2910 W 15th St	MONITORING WELL NO.	**OER-MW-2**
	PROJECT LOCATION:	Brooklyn, NY	JOB NO.	11404
			GROUND ELEVATION:	NA

BORING BY: Aarco (Julio)	DATE STARTED	9/23/20	DEVELOPMENT PERIOD	30 min	INSIDE CASING DIAMETER (in)	1
INSPECTOR: JCS	DATE COMPLETED	9/23/20	DEVELOPMENT METHOD	Peri Pump	BOREHOLE DIAMETER (in)	2
NJ DEP PERMIT NO.:	DATE DEVELOPED	9/23/20	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	6.35



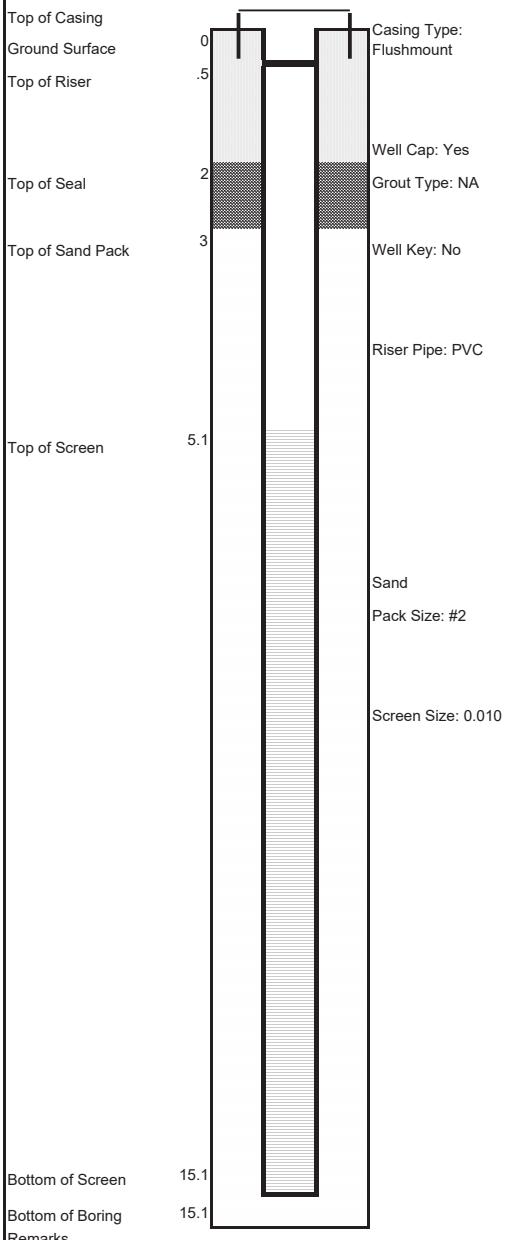
DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
0							Asphalt	0
								0
							FILL: Brown coarse to fine SAND, little Silt with asphalt, brick, concrete	0
								0
5								0
								0
								0
							(Wet)	0
								0
10								0
								0
								0
							Gray brown coarse to fine SAND	0
							Boring Complete at 13 Feet BGS	
15								
20								
25								
30								
35								
40								

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

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SESI CONSULTING ENGINEERS	PROJECT NAME:	2910 W 15th St	MONITORING WELL NO.	**OER-MW-3**
	PROJECT LOCATION:	Brooklyn, NY	JOB NO.	11404
			GROUND ELEVATION:	NA

BORING BY: Aarco (Julio)	DATE STARTED	9/24/20	DEVELOPMENT PERIOD	30 min	INSIDE CASING DIAMETER (in)	1
INSPECTOR: JCS	DATE COMPLETED	9/24/20	DEVELOPMENT METHOD	Peri Pump	BOREHOLE DIAMETER (in)	2
NJ DEP PERMIT NO.:	DATE DEVELOPED	9/24/20	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	6.24



WELL CONSTRUCTION	DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
	0							Asphalt	0
									0
									0
								FILL: Brown coarse to fine SAND, little Silt with asphalt, brick	0
	5								0
									0
									0
								(Wet)	0
									0
	10								0
									0
									0
									0
									0
	15							Gray brown coarse to fine SAND	0
								Boring Complete at 15 Feet BGS	
	20								
	25								
	30								
	35								
	40								

Approximate Change in Strata: _____ Inferred Change in Strata: _ _ _ _ _ _ _ _ _ _ _ _

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APPENDIX D
GPR REPORT

Geophysical Investigation Report

Location:

1515 Surf Avenue
Brooklyn, NY
(AGInc. Job No. 1919591)

Prepared for:

SESI Consulting Engineers
12A Maple Avenue
Pinebrook, NJ 07058

Investigated and prepared by:

Michael Dias
Geophysical SUE Technician

American Geophysics, Inc.
180 Main Street, #177
Butler, NJ 07405
833-SCAN GPR/ 833-722-6477

Completed on:

September 23rd, 2020

INTRODUCTION

American Geophysics, Inc. (AGInc.), is a geophysical survey and investigation services firm which provides Environmental & Engineering Geophysics (EEG) services to the environmental consulting, construction, and engineering communities. Led by over 20 years of field experience, AGInc. takes pride in providing the highest training for our technicians and the use of the most current and state-of -the-art equipment. This winning combination of experience and technology results in the most accurate findings.

METHODOLOGY

Geophysical surveys are typically accomplished by employing the following techniques; Ground-penetrating Radar (GPR), electromagnetic metal detector (Fisher TW6), radio frequency line locating (RF), Electromagnetic Profiler (EM). Underground storage tanks (USTs), utilities, and metallic anomalies are typically traced and mapped with RF, GPR, EM, and a magnetometer depending on the size, matrix and conductive properties of the targets. Site conditions and client specifications of the areas of concern (AOCs), determine the survey approach and equipment used to provide the most comprehensive data possible.

Equipment Used:

Radiodetection RD8000 PDL pipe and cable locator

Radiodetection RD1100 250MHz ground penetrating radar (GPR)

Jameson Duct Rodder

SCOPE OF WORK

On September 23rd, 2020, a geophysical survey and investigation was completed at the above mentioned location. The scope of work was to mark all detected utilities and anomalies in client-specified areas of concern (AOCs), for 12 proposed boring locations. The area of concern (AOC), was an active parking lot. Surface conditions consisted of asphalt. The location was scanned using an RD1100 250MHz (GPR) and Radiodetection RD8000 PDL pipe and cable locator in conjunction with the Jameson Duct Rodder.

SURVEY RESULTS

The GPR and RD8000 units were used in an octagonal grid pattern over the AOC. 3D data was collected and 2D locations were logged. The RD 8000 was also used in many different modes, directly and passively, as well as in conjunction with the Jameson Duct Rodder. All detected utilities were marked in APWA coded paints and any unknown subsurface linear anomalies were marked in white paint. The proposed boring locations that needed to be moved, along with the ones that did not, were re-marked with orange paint. All findings were marked on site and discussed with the client representative. Please see the figures section.

LIMITATIONS

The GPR signal penetration depth was less than good and estimated as ~(2ft.-4ft.) below ground surface (BGS) in the majority of the areas of the exterior of the property. Due to surface conditions and the dielectric properties of the subsurface and properties of concrete, plastic polymer, and fiberglass, not all subsurface anomalies and utilities may have been detected. Buildings, concrete barriers, wet soils, saturated conditions, cracked surfaces, curb lines, metal structures, may have affected survey results near and immediately beneath them.

Figures



Fig. 1: Images of the areas investigated, with detected anomalies and utilities in white paint, and the proposed boring locations in orange paint.

American Geophysics Inc. | 180 Main Street Butler, New Jersey 07405 | 833.SCAN GPR/ 833.722.6477

WARRANTIES

· ***American Geophysics, Inc. does not guarantee that utilities, conduit, and steel reinforcement will be avoided during drilling, cutting, trenching, and coring.***

· ***All utility designating will be in compliance with ASCE 38-02 (level B).***

· ***All field services were conducted in compliance with the industry standard of care guidelines found in CSDA-BP-007 and marked in appropriate colors as per the APWA (American Public Works Association).***

· ***The GPR unit must have direct contact with the concrete in order to collect quality data.***

· ***Any areas covered with debris cannot be scanned correctly with GPR.***

· ***Wet floors will not allow proper marking with paint and/or permanent marker.***

· ***All concrete slabs must be monolithic pours.***

· ***Dairy brick and some types of tile may cause signal interference.***

· ***New concrete can adversely affect the signal penetration and should be given a minimum of one month curing time.***

· ***All areas should be clear for scanning and marking.***

The field observations and measurements reported herein are considered sufficient in detail and scope for this project. American Geophysics, Inc. warrants that the findings and conclusions contained herein have been promulgated in accordance with generally accepted geophysical methods. There is a possibility that conditions may exist which could not be identified within the scope of this project and were not apparent during the site activities performed for this project.

American Geophysics, Inc. represents that the services were performed in a manner consistent with that level of care and skill ordinarily exercised by geophysical consultants under similar circumstances. No other representations to Client, express or implied, and no warranty or guarantee is included or intended in this agreement, or in any report, document, or otherwise.

American Geophysics, Inc. believes that the information provided in this report is reliable. However, American Geophysics, Inc. cannot warrant or guarantee that the information provided by others is complete or accurate. No other warranties or guarantees are implied or expressed.

GPR data is subject to signal anomalies and operator interpretation. The GPR data is intended to provide the locations of areas of concern requiring additional investigation or the approximate location of underground structures and utilities. Great care must be utilized when excavating, drilling, and cutting around subsurface structures and utilities, since GPR data can only be used for estimation purposes and GPR data, is subject to misinterpretation. American Geophysics, Inc. cannot guarantee that utilities, post-tension cables, and/or rebar will not be incurred during drilling, cutting, coring, and excavation activities.

Hand clearing or vacuum-excavation should be performed within 2.5' of any marks. American Geophysics, Inc. does not guarantee that utilities will not be encountered during drilling and/or excavation. Mark-out services performed by American Geophysics, Inc. do not satisfy state mark out requirements. By law, the appropriate state mark-out service must be notified prior to any digging activities (i.e. NJ one-call, PA one-call, CT call before you dig, MD & VA miss utility, dig safely NY, FL one-call, 811 one-call, call before you dig, Sunshine State One-Call).

This report was prepared pursuant to the contract American Geophysics, Inc. has with the Client. That contractual relationship included an exchange of information about the property that was unique and between American Geophysics, Inc. and its client and serves as the basis upon which this report was prepared. Because of the importance of the communication between American Geophysics, Inc. and its client, reliance or any use of this report by anyone other than the Client, for whom it was prepared, is prohibited and therefore not foreseeable to American Geophysics, Inc.

Reliance or use by any such third party without explicit authorization in the report does not make said third party a third-party beneficiary to American Geophysics, Inc. contract with the Client. Any such unauthorized reliance on or use of this report, including any of its information or conclusions, will be at the third party's risk. For the same reasons, no warranties or representations, expressed or implied in this report, are made to any such third party.

APPENDIX E
WASTE CLASS DATA

ALPHA ANALYTICAL

World Class Chemistry

www.alphalab.com



Alpha Analytical

Laboratory Code: 11148

SDG Number: L2040316

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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Project Name: CONEY ISLAND
Project Number: 11404

Lab Number: L2040316
Report Date: 10/01/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2040316-01	WC-5 (GRAB)	SOIL	1515 SURF AVE, BROOKLYN, NY	09/24/20 09:00	09/24/20
L2040316-02	WC-6 (GRAB)	SOIL	1515 SURF AVE, BROOKLYN, NY	09/24/20 10:30	09/24/20
L2040316-03	WC-5	SOIL	1515 SURF AVE, BROOKLYN, NY	09/24/20 09:00	09/24/20
L2040316-04	WC-6	SOIL	1515 SURF AVE, BROOKLYN, NY	09/24/20 10:30	09/24/20

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 Alpha 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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha'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 Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

Raw soil was not submitted for the analysis of Total Solids on L2040316-01 and -02. At the client's request, the Total Solids result from their sample L2040316-03 and -04 were utilized in the dry weight calculation of these sample results.

Semivolatile Organics

L2040316-04: The sample has elevated detection limits due to the dilution required by the sample matrix.

Total Metals

L2040316-03 and -04: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

Cyanide, Total

The WG1415907-2/-3 LCS/LCSD recoveries for cyanide, total (71% / 73%), associated with L2040316-03 and -04, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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: Caitlin Walukevich Report Date: 10/01/20

Title: Technical Director/Representative

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

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.

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'.

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. If a 'Total' result is requested, the results of its individual components will also be reported.

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.)

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.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

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

Report Format: DU Report with 'J' Qualifiers

Data Qualifiers

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.

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 Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD	Columns (length x ID x df):
Trap: Supelco K Trap (VOACARB 3000)	RTX-VMS 20m x 0.18mm x 1um
Concentrator: EST Encon (or equivalent)	RTX-VMS 30m x 0.25mm x 1.4um
Autosampler: EST Centurion (or equivalent)	RTX-502.2 40m x 0.18mm x 1um
Purge time: 11 min	

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)	Column Type: Restek RTX 502.2
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 105 Meters
Concentrator: EST Encon (or equivalent)	df: 3.00 um
Autosampler: EST Centurion (or equivalent)	ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD	Column Type: DB-VRX
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 60 Meters
Concentrator: Tekmar Velocity / EST Encon	df: 1.40 um
Autosampler: Varian Archon / EST Centurion	ID: 0.25 mm
Purge time: 11 min	Desorb: 1 min

Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD	
	Column Type: Haysep S Column
	Column Length: 2 Meters packed (100/200 mesh)
Autosampler: LEAP Headspace	Purge time: 0.6 min

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instruments: Agilent 6890 GC / 5975 MSD Shimadzu QP2010-SE / QP2020

Concentrator: Entech 7100A or 7200	Column Type: Restek RTX-1
Autosampler: Entech 7016CA or 7016D	Column Length: 60 Meters
	df: 1.00 um
	ID: 0.25 mm or 0.32 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material
Trap 2: Tenax: manufacturer-Entech: 20 cm packing material

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

Instrument: Agilent 5973N MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.32 um
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Pesticides/PCB/Herbicides:

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Petroleum/EPH:

Instrument: Agilent 6890 w/FID / HP 5890 w/ FID	Injection Volume: 1uL
Column: Restek RTX 5	df: 0.25
Column Length: 30 Meters	
ID: 0.32 mm	

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 1 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8270):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 2 ul
Column Type: ZB-Semivolatiles	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (8270 SIM):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (1,4-Dioxane):

Instrument: Agilent 5973N / 5975 / 5977 MSD	Injection volume: 3 ul
Column Type: RTX-5	df: 0.25um, 0.18 um
Column Length: 30 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (209 Congener):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: RTX-5, RTX-PCB	df: 0.25um, 0.18 um
Column Length: 60 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (8081):

Instrument: Agilent 6890 / 7890	Injection volume: 1 ul
Column Type: RTX-5 / RTX-CLP II	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8082):

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Semivolatile Organics (SHC Extractables):

Instrument: Agilent 6890	Injection volume: 1 ul
Column Type: RTX-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Sample Delivery Group Summary

Alpha Job Number : L2040316

Account Name : Soils Engineering Services, Inc.
Project Number : 11404
Project Name : CONEY ISLAND

Received : 24-SEP-2020
Reviewer : Madeline Mosscrop

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	3.6	

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**YES**
Following containers were not received for listed analysis:	-01 (TS), -02 (TS)
4) Are there any discrepancies between sample labels & COC?	**NO**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis?	**YES**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**NA**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NO**

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Oct 01 2020, 03:29 pm

Login Number: L2040316
Account: SESI Soils Engineering Services, Inc.Project: 11404
Received: 24SEP20 Due Date: 01OCT20

Sample #	Client ID	Mat	PR	Collected
L2040316-01	WC-5 (GRAB)	S	0	24SEP20 09:00

TS: Please report same results as L2040316-03 8260: report 15 TICs ASP-B Package Due Date: 10/01/20

ASP-B,ENCORE,NYTCL-8260HLW,TS

Sample #	Client ID	Mat	PR	Collected
L2040316-02	WC-6 (GRAB)	S	0	24SEP20 10:30

TS: Please report same results as L2040316-04 8260: report 15 TICs Package Due Date: 10/01/20

ENCORE,NYTCL-8260HLW,TS

Sample #	Client ID	Mat	PR	Collected
L2040316-03	WC-5	S	0	24SEP20 09:00

8270 - Report 15 TICs Package Due Date: 10/01/20

NYTCL-8081,NYTCL-8082,NYTCL-8270,TAL,AG-TI,AL-TI,AS-TI,BA-TI,BE-TI,CA-TI,CD-TI,CO-TI,CR-TI,CU-TI,FE-TI,HG-T,K-TI,MG-TI,MN-TI,NA-TI,NI-TI,PB-TI,PREPT,SB-TI,SE-TI,TL-TI,V-TI,ZN-TI,TCN-9010,TS

Sample #	Client ID	Mat	PR	Collected
L2040316-04	WC-6	S	0	24SEP20 10:30

8270 - Report 15 TICs Package Due Date: 10/01/20

NYTCL-8081,NYTCL-8082,NYTCL-8270,TAL,AG-TI,AL-TI,AS-TI,BA-TI,BE-TI,CA-TI,CD-TI,CO-TI,CR-TI,CU-TI,FE-TI,HG-T,K-TI,MG-TI,MN-TI,NA-TI,NI-TI,PB-TI,PREPT,SB-TI,SE-TI,TL-TI,V-TI,ZN-TI,TCN-9010,TS

Logged By: Michelle Callahan

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab: 9/24/20

ALPHA Job #: L2040316

Client Information

Client: SESI
Address: 12 A Mapleton Ave
Pittsburgh, NJ
Phone: 973-808-4050
Fax:
Email: aa@sesi.org

Project Information

Project Name: CONEY ISLAND
Project Location: 1515 Surf Ave, Brooklyn NY
Project #: 11404, Phase 7.2
(Use Project name as Project #) ☐
Project Manager: Andrew Allen
ALPHAQuote #:

Turn-Around Time

Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☒ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☒ NY Restricted Use ☐ Other
☒ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

VOC+15
TAL/TAL+30 (Minus Hg)

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC+15	TAL/TAL+30 (Minus Hg)	Sample Specific Comments
40316-01	WC-5 (grab)	9/24/2020	0900	S	DA	X		
-02	WL-6 (grab)		1030			X		
-03	WC-5		0900				X	
-04	WL-6		1030				X	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	E,P	A,P						
Preservative	B	A						

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	9/24/2020 1300	[illegible]	9/24/20 1300
[illegible]	9/24/2020 1700	[illegible]	9/24/20 1700
[illegible]	9/24/20 2125	[illegible]	9/24/20 2125

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Organics

GC/MS 8260
Analysis

Volatiles QC Summary

Surrogate Recovery Summary
Form 2
Volatiles

Client: Soils Engineering Services, Inc.
Project Name: CONEY ISLAND

Lab Number: L2040316
Project Number: 11404
Matrix: Soil

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
WC-5 (GRAB) (L2040316-01)	104	99	98	106	0
WC-6 (GRAB) (L2040316-02)	106	100	97	107	0
WG1416109-3LCS	101	100	98	103	0
WG1416109-4LCSD	104	99	97	105	0
WG1416109-5BLANK	107	99	98	106	0

QC LIMITS

(70-130) DCA = 1,2-DICHLOROETHANE-D4
(70-130) TOL = TOLUENE-D8
(70-130) BFB = 4-BROMOFLUOROBENZENE
(70-130) DBFM = DIBROMOFLUOROMETHANE

*** Values outside of QC limits**

FORM II NYTCL-8260HLW

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2040316
Project Name	: CONEY ISLAND	**Project Number**	: 11404
Matrix	: SOIL		
LCS Sample ID	: WG1416109-3	**Analysis Date** : 09/29/20 08:50	**File ID** : V26200929A01
LCSD Sample ID	: WG1416109-4	**Analysis Date** : 09/29/20 09:29	**File ID** : V26200929A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	40	34	85	40	32	81	5	70-130	30
1,1-Dichloroethane	40	32	79	40	31	76	4	70-130	30
Chloroform	40	37	92	40	36	90	2	70-130	30
Carbon tetrachloride	40	44	110	40	44	109	1	70-130	30
1,2-Dichloropropane	40	31	76	40	30	75	1	70-130	30
Dibromochloromethane	40	45	112	40	43	108	4	70-130	30
1,1,2-Trichloroethane	40	39	98	40	37	93	5	70-130	30
Tetrachloroethene	40	41	103	40	39	98	5	70-130	30
Chlorobenzene	40	38	95	40	37	92	3	70-130	30
Trichlorofluoromethane	40	46	116	40	45	112	4	70-139	30
1,2-Dichloroethane	40	35	89	40	35	88	1	70-130	30
1,1,1-Trichloroethane	40	42	106	40	42	105	1	70-130	30
Bromodichloromethane	40	40	101	40	40	100	1	70-130	30
trans-1,3-Dichloropropene	40	41	103	40	40	99	4	70-130	30
cis-1,3-Dichloropropene	40	37	93	40	37	93	0	70-130	30
1,1-Dichloropropene	40	40	100	40	39	98	2	70-130	30
Bromoform	40	47	118	40	46	115	3	70-130	30
1,1,2,2-Tetrachloroethane	40	38	95	40	37	93	2	70-130	30
Benzene	40	34	86	40	34	84	2	70-130	30
Toluene	40	38	94	40	36	89	5	70-130	30
Ethylbenzene	40	39	98	40	38	95	3	70-130	30
Chloromethane	40	26	65	40	25	61	6	52-130	30
Bromomethane	40	32	79	40	31	78	1	57-147	30
Vinyl chloride	40	34	86	40	33	81	6	67-130	30
Chloroethane	40	31	78	40	30	76	3	50-151	30
1,1-Dichloroethene	40	39	97	40	37	93	4	65-135	30

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2040316
Project Name	: CONEY ISLAND	**Project Number**	: 11404
Matrix	: SOIL		
LCS Sample ID	: WG1416109-3	**Analysis Date** : 09/29/20 08:50	**File ID** : V26200929A01
LCSD Sample ID	: WG1416109-4	**Analysis Date** : 09/29/20 09:29	**File ID** : V26200929A02

	Laboratory Control Sample				Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R		True (ug/kg)	Found (ug/kg)	%R		RPD	Recovery Limits	RPD Limit
trans-1,2-Dichloroethene	40	37	92		40	36	89		3	70-130	30
Trichloroethene	40	38	96		40	37	92		4	70-130	30
1,2-Dichlorobenzene	40	39	98		40	38	95		3	70-130	30
1,3-Dichlorobenzene	40	39	97		40	38	94		3	70-130	30
1,4-Dichlorobenzene	40	39	98		40	38	94		4	70-130	30
Methyl tert butyl ether	40	41	103		40	40	100		3	66-130	30
p/m-Xylene	80	79	98		80	76	95		3	70-130	30
o-Xylene	80	77	96		80	74	93		3	70-130	30
cis-1,2-Dichloroethene	40	36	91		40	36	89		2	70-130	30
Dibromomethane	40	37	92		40	37	92		0	70-130	30
Styrene	80	81	101		80	78	97		4	70-130	30
Dichlorodifluoromethane	40	43	108		40	41	103		5	30-146	30
Acetone	40	31	77		40	24	60		25	54-140	30
Carbon disulfide	40	30	75		40	28	71		5	59-130	30
2-Butanone	40	28	69	Q	40	28	69	Q	0	70-130	30
Vinyl acetate	40	29	73		40	29	72		1	70-130	30
4-Methyl-2-pentanone	40	34	86		40	33	83		4	70-130	30
1,2,3-Trichloropropane	40	40	99		40	38	95		4	68-130	30
2-Hexanone	40	33	81		40	32	79		3	70-130	30
Bromochloromethane	40	38	94		40	37	93		1	70-130	30
2,2-Dichloropropane	40	41	103		40	40	100		3	70-130	30
1,2-Dibromoethane	40	41	103		40	40	99		4	70-130	30
1,3-Dichloropropane	40	39	97		40	37	93		4	69-130	30
1,1,1,2-Tetrachloroethane	40	45	112		40	43	109		3	70-130	30
Bromobenzene	40	40	100		40	39	97		3	70-130	30
n-Butylbenzene	40	38	96		40	37	91		5	70-130	30

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2040316
Project Name	: CONEY ISLAND	**Project Number**	: 11404
Matrix	: SOIL		
LCS Sample ID	: WG1416109-3	**Analysis Date** : 09/29/20 08:50	**File ID** : V26200929A01
LCSD Sample ID	: WG1416109-4	**Analysis Date** : 09/29/20 09:29	**File ID** : V26200929A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
sec-Butylbenzene	40	41	102	40	39	98	4	70-130	30
tert-Butylbenzene	40	41	103	40	40	100	3	70-130	30
o-Chlorotoluene	40	40	100	40	38	96	4	70-130	30
p-Chlorotoluene	40	39	98	40	38	94	4	70-130	30
1,2-Dibromo-3-chloropropane	40	43	108	40	43	107	1	68-130	30
Hexachlorobutadiene	40	50	124	40	46	115	8	67-130	30
Isopropylbenzene	40	40	100	40	38	96	4	70-130	30
p-Isopropyltoluene	40	41	102	40	39	98	4	70-130	30
Naphthalene	40	39	97	40	37	92	5	70-130	30
Acrylonitrile	40	30	75	40	29	72	4	70-130	30
n-Propylbenzene	40	39	97	40	37	93	4	70-130	30
1,2,3-Trichlorobenzene	40	41	104	40	38	96	8	70-130	30
1,2,4-Trichlorobenzene	40	40	101	40	38	95	6	70-130	30
1,3,5-Trimethylbenzene	40	40	101	40	39	97	4	70-130	30
1,2,4-Trimethylbenzene	40	40	99	40	38	95	4	70-130	30
1,4-Dioxane	2000	2200	111	2000	2100	104	7	65-136	30
p-Diethylbenzene	40	40	101	40	38	95	6	70-130	30
p-Ethyltoluene	40	40	99	40	38	95	4	70-130	30
1,2,4,5-Tetramethylbenzene	40	41	103	40	39	97	6	70-130	30
Ethyl ether	40	36	91	40	36	90	1	67-130	30
trans-1,4-Dichloro-2-butene	40	33	82	40	32	80	2	70-130	30

Method Blank Summary
Form 4
Volatiles

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2040316
Project Name	: CONEY ISLAND	**Project Number**	: 11404
Lab Sample ID	: WG1416109-5	**Lab File ID**	: V26200929A05
Instrument ID	: VOA126		
Matrix	: SOIL	**Analysis Date**	: 09/29/20 11:28

Client Sample No.	Lab Sample ID	Analysis Date
WG1416109-3LCS	WG1416109-3	09/29/20 08:50
WG1416109-4LCSD	WG1416109-4	09/29/20 09:29
WC-5 (GRAB)	L2040316-01	09/29/20 12:07
WC-6 (GRAB)	L2040316-02	09/29/20 12:47

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2040316
Project Name	: CONEY ISLAND	**Project Number**	: 11404
Instrument ID	: VOA126	**Analysis Date**	: 06/04/20 16:24
Tune Standard	: WG1378377-1	**Tune File ID**	: V26200604Nbfb_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	22.4
75	30.0 - 60.0% of mass 95	47.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.2 (.3)1
174	Greater than 50.0 of mass 95	80
175	5.0 - 9.0% of mass 174	6 (7.6)1
176	95.0 - 101% of mass 174	76.6 (95.7)1
177	5.0 - 9.0% of mass 176	4.9 (6.4)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STDL.5PPB	R1320123-1	V26200604N03	06/04/20 18:10
STDL1PPB	R1320123-3	V26200604N04	06/04/20 18:50
STDL2PPB	R1320123-2	V26200604N05	06/04/20 19:30
STDL4PPB	R1320123-4	V26200604N06	06/04/20 20:10
STDL20PPB	R1320123-6	V26200604N07	06/04/20 20:50
STDL40PPB	R1320123-5	V26200604N08	06/04/20 21:30
STDL100PPB	R1320123-7	V26200604N09	06/04/20 22:10
STDL200PPB	R1320123-8	V26200604N10	06/04/20 22:50
STDL300PPB	R1320123-9	V26200604N11	06/04/20 23:30
ICV Quant Report	R1320123-10	V26200604N16	06/05/20 02:50

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2040316
Project Name	: CONEY ISLAND	**Project Number**	: 11404
Instrument ID	: VOA126	**Analysis Date**	: 09/29/20 08:25
Tune Standard	: WG1416109-1	**Tune File ID**	: V26200929BF2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	51.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.2 (.3)1
174	Greater than 50.0 of mass 95	82.1
175	5.0 - 9.0% of mass 174	6 (7.4)1
176	95.0 - 101% of mass 174	81.2 (98.9)1
177	5.0 - 9.0% of mass 176	5.6 (6.9)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1416109-2CCAL	WG1416109-2	V26200929A01	09/29/20 08:50
WG1416109-3LCS	WG1416109-3	V26200929A01	09/29/20 08:50
WG1416109-4LCSD	WG1416109-4	V26200929A02	09/29/20 09:29
WG1416109-5BLANK	WG1416109-5	V26200929A05	09/29/20 11:28
WC-5 (GRAB)	L2040316-01	V26200929A06	09/29/20 12:07
WC-6 (GRAB)	L2040316-02	V26200929A07	09/29/20 12:47

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2040316
Project Name	: CONEY ISLAND	**Project Number**	: 11404
Instrument ID	: VOA126	**Analysis Date**	: 09/29/20 08:50
Sample No	: WG1416109-2	**Lab File ID**	: V26200929A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1416109-2	269604	11.56	217005	18.26	117842	23.91
Upper Limit	539208	12.06	434010	18.76	235684	24.41
Lower Limit	134802	11.06	108503	17.76	58921	23.41
Sample ID						
WG1416109-3 LCS	269604	11.56	217005	18.26	117842	23.91
WG1416109-4 LCSD	270065	11.56	221948	18.26	121268	23.91
WG1416109-5 BLANK	243316	11.56	203955	18.26	108899	23.91
WC-5 (GRAB)	234957	11.56	196653	18.26	103572	23.92
WC-6 (GRAB)	232448	11.56	193096	18.26	103479	23.91

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Date Created: 06/19/18
Created By: Jason Hebert
File: PM5049-1
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Volatile Organics - EPA 8260C (WATER)

Holding Time: 14 days
Container/Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	3	0.678	ug/l	70-130	20	70-130	20	20			
1,1-Dichloroethane	75-34-3	0.75	0.210	ug/l	70-130	20	70-130	20	20			
Chloroform	67-66-3	0.75	0.222	ug/l	70-130	20	70-130	20	20			
Carbon tetrachloride	56-23-5	0.5	0.134	ug/l	63-132	20	63-132	20	20			
1,2-Dichloropropane	78-87-5	1.75	0.137	ug/l	70-130	20	70-130	20	20			
Dibromochloromethane	124-48-1	0.5	0.149	ug/l	63-130	20	63-130	20	20			
1,1,2-Trichloroethane	79-00-5	0.75	0.144	ug/l	70-130	20	70-130	20	20			
Tetrachloroethene	127-18-4	0.5	0.181	ug/l	70-130	20	70-130	20	20			
Chlorobenzene	108-90-7	0.5	0.178	ug/l	75-130	25	75-130	25	25			
Trichlorofluoromethane	75-69-4	2.5	0.161	ug/l	62-150	20	62-150	20	20			
1,2-Dichloroethane	107-06-2	0.5	0.132	ug/l	70-130	20	70-130	20	20			
1,1,1-Trichloroethane	71-55-6	0.5	0.158	ug/l	67-130	20	67-130	20	20			
Bromodichloromethane	75-27-4	0.5	0.192	ug/l	67-130	20	67-130	20	20			
trans-1,3-Dichloropropene	10061-02-6	0.5	0.164	ug/l	70-130	20	70-130	20	20			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.144	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,1-Dichloropropene	563-58-6	2.5	0.240	ug/l	70-130	20	70-130	20	20			
Bromoform	75-25-2	2	0.248	ug/l	54-136	20	54-136	20	20			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.167	ug/l	67-130	20	67-130	20	20			
Benzene	71-43-2	0.5	0.159	ug/l	70-130	25	70-130	25	25			
Toluene	108-88-3	0.75	0.203	ug/l	70-130	25	70-130	25	25			
Ethylbenzene	100-41-4	0.5	0.167	ug/l	70-130	20	70-130	20	20			
Chloromethane	74-87-3	2.5	0.200	ug/l	64-130	20	64-130	20	20			
Bromomethane	74-83-9	1	0.256	ug/l	39-139	20	39-139	20	20			
Vinyl chloride	75-01-4	1	0.0714	ug/l	55-140	20	55-140	20	20			
Chloroethane	75-00-3	1	0.134	ug/l	55-138	20	55-138	20	20			
1,1-Dichloroethene	75-35-4	0.5	0.169	ug/l	61-145	25	61-145	25	25			
trans-1,2-Dichloroethene	156-60-5	0.75	0.163	ug/l	70-130	20	70-130	20	20			
1,2-Dichloroethene (total)	540-59-0	0.5	0.163	ug/l				20	20			
1,2-Dichloroethene (total)	540-59-0	0.5	0.163	ug/l				20	20			
Trichloroethene	79-01-6	0.5	0.175	ug/l	70-130	25	70-130	25	25			
1,2-Dichlorobenzene	95-50-1	2.5	0.184	ug/l	70-130	20	70-130	20	20			
1,3-Dichlorobenzene	541-73-1	2.5	0.186	ug/l	70-130	20	70-130	20	20			
1,4-Dichlorobenzene	106-46-7	2.5	0.187	ug/l	70-130	20	70-130	20	20			
Methyl tert butyl ether	1634-04-4	1	0.166	ug/l	63-130	20	63-130	20	20			
p/m-Xylene	179601-23-1	1	0.332	ug/l	70-130	20	70-130	20	20			
o-Xylene	95-47-6	1	0.392	ug/l	70-130	20	70-130	20	20			
Xylene (Total)	1330-20-7	1	0.330	ug/l				20	20			
Xylene (Total)	1330-20-7	1	0.330	ug/l				20	20			
cis-1,2-Dichloroethene	156-59-2	0.5	0.187	ug/l	70-130	20	70-130	20	20			
Dibromomethane	74-95-3	5	0.363	ug/l	70-130	20	70-130	20	20			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics - EPA 8260C (WATER)

Holding Time: 14 days
Container/Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	5	0.464	ug/l	70-130	20	70-130	20	20			
1,2,3-Trichloropropane	96-18-4	5	0.176	ug/l	64-130	20	64-130	20	20			
Styrene	100-42-5	1	0.359	ug/l	70-130	20	70-130	20	20			
Dichlorodifluoromethane	75-71-8	5	0.244	ug/l	36-147	20	36-147	20	20			
Acetone	67-64-1	5	1.46	ug/l	58-148	20	58-148	20	20			
Carbon disulfide	75-15-0	5	0.299	ug/l	51-130	20	51-130	20	20			
2-Butanone	78-93-3	5	1.94	ug/l	63-138	20	63-138	20	20			
Vinyl acetate	108-05-4	5	0.311	ug/l	70-130	20	70-130	20	20			
4-Methyl-2-pentanone	108-10-1	5	0.416	ug/l	59-130	20	59-130	20	20			
2-Hexanone	591-78-6	5	0.515	ug/l	57-130	20	57-130	20	20			
Ethyl methacrylate	97-63-2	5	0.606	ug/l	70-130	20	70-130	20	20			
Acrylonitrile	107-13-1	5	0.430	ug/l	70-130	20	70-130	20	20			
Bromochloromethane	74-97-5	2.5	0.152	ug/l	70-130	20	70-130	20	20			
Tetrahydrofuran	109-99-9	5	0.525	ug/l	58-130	20	58-130	20	20			
2,2-Dichloropropane	594-20-7	2.5	0.204	ug/l	63-133	20	63-133	20	20			
1,2-Dibromoethane	106-93-4	2	0.193	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropane	142-28-9	2.5	0.212	ug/l	70-130	20	70-130	20	20			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.164	ug/l	64-130	20	64-130	20	20			
Bromobenzene	108-86-1	2.5	0.152	ug/l	70-130	20	70-130	20	20			
n-Butylbenzene	104-51-8	0.5	0.192	ug/l	53-136	20	53-136	20	20			
sec-Butylbenzene	135-98-8	0.5	0.181	ug/l	70-130	20	70-130	20	20			
tert-Butylbenzene	98-06-6	2.5	0.196	ug/l	70-130	20	70-130	20	20			
o-Chlorotoluene	95-49-8	2.5	0.215	ug/l	70-130	20	70-130	20	20			
p-Chlorotoluene	106-43-4	2.5	0.185	ug/l	70-130	20	70-130	20	20			
1,2-Dibromo-3-chloropropane	96-12-8	2.5	0.353	ug/l	41-144	20	41-144	20	20			
Hexachlorobutadiene	87-68-3	0.5	0.217	ug/l	63-130	20	63-130	20	20			
Isopropylbenzene	98-82-8	0.5	0.187	ug/l	70-130	20	70-130	20	20			
p-Isopropyltoluene	99-87-6	0.5	0.188	ug/l	70-130	20	70-130	20	20			
Naphthalene	91-20-3	2.5	0.216	ug/l	70-130	20	70-130	20	20			
n-Propylbenzene	103-65-1	0.5	0.173	ug/l	69-130	20	69-130	20	20			
1,2,3-Trichlorobenzene	87-61-6	2.5	0.234	ug/l	70-130	20	70-130	20	20			
1,2,4-Trichlorobenzene	120-82-1	2.5	0.220	ug/l	70-130	20	70-130	20	20			
1,3,5-Trimethylbenzene	108-67-8	2.5	0.217	ug/l	64-130	20	64-130	20	20			
1,3,5-Trichlorobenzene	108-70-3	2	0.141	ug/l	70-130	20	70-130	20	20			
1,2,4-Trimethylbenzene	95-63-6	2.5	0.191	ug/l	70-130	20	70-130	20	20			
trans-1,4-Dichloro-2-butene	110-57-6	2.5	0.213	ug/l	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2.5	0.163	ug/l	59-134	20	59-134	20	20			
Methyl Acetate	79-20-9	10	0.234	ug/l	70-130	20	70-130	20	20			
Ethyl Acetate	141-78-6	10	0.716	ug/l	70-130	20	70-130	20	20			
Isopropyl Ether	108-20-3	2	0.425	ug/l	70-130	20	70-130	20	20			
Cyclohexane	110-82-7	10	0.271	ug/l	70-130	20	70-130	20	20			
Ethyl-Tert-Butyl-Ether	637-92-3	2	0.179	ug/l	70-130	20	70-130	20	20			

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Date Created: 06/19/18
Created By: Jason Hebert
File: PM5049-1
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Volatile Organics - EPA 8260C (WATER)

Holding Time: 14 days
Container/Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Tertiary-Amyl Methyl Ether	994-05-8	2	0.278	ug/l	66-130	20	66-130	20	20			
1,4-Dioxane	123-91-1	250	60.8	ug/l	56-162	20	56-162	20	20			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	10	0.148	ug/l	70-130	20	70-130	20	20			
Methyl cyclohexane	108-87-2	10	0.396	ug/l	70-130	20	70-130	20	20			
1,4-Diethylbenzene	105-05-5	2	0.392	ug/l	70-130	20	70-130	20	20			
4-Ethyltoluene	622-96-8	2	0.340	ug/l	70-130	20	70-130	20	20			
1,2,4,5-Tetramethylbenzene	95-93-2	2	0.542	ug/l	70-130	20	70-130	20	20			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

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Date Created: 06/19/18
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Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	5	2.29	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	1	0.145	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	1.5	0.140	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	1	0.230	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	1	0.125	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	1	0.140	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	1	0.267	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	0.5	0.196	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	0.5	0.127	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	4	0.695	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	1	0.257	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	0.5	0.167	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	0.5	0.109	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	1	0.273	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.158	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	0.5	0.159	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	4	0.246	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	1	0.543	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	1	0.141	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	4	0.932	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	2	0.581	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	1	0.335	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	2	0.452	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	1	0.238	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	1.5	0.137	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	0.5	0.137	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.144	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.148	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.171	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	2	0.201	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	2	0.560	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	1	0.291	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	1	0.175	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
Dibromomethane	74-95-3	2	0.238	ug/kg	70-130	30	70-130	30	30			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	10	0.226	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	2	0.127	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	1	0.196	ug/kg	70-130	30	70-130	30	30			
Dichlorodifluoromethane	75-71-8	10	0.915	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	10	4.81	ug/kg	54-140	30	54-140	30	30			
Carbon disulfide	75-15-0	10	4.55	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	10	2.22	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	10	2.15	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	10	1.28	ug/kg	70-130	30	70-130	30	30			
2-Hexanone	591-78-6	10	1.18	ug/kg	70-130	30	70-130	30	30			
Ethyl methacrylate	97-63-2	10	1.58	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	4	1.15	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	2	0.205	ug/kg	70-130	30	70-130	30	30			
Tetrahydrofuran	109-99-9	4	1.59	ug/kg	66-130	30	66-130	30	30			
2,2-Dichloropropane	594-20-7	2	0.202	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	1	0.279	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	2	0.167	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.132	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	2	0.145	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	1	0.167	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	1	0.146	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	2	0.118	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trichlorobenzene	108-70-3	2	0.173	ug/kg	70-139	30	70-130	30	30			
o-Chlorotoluene	95-49-8	2	0.191	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	2	0.108	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	3	0.998	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	4	0.169	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	1	0.109	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	1	0.109	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	4	0.650	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	1	0.171	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	2	0.322	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	2	0.272	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	2	0.193	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	2	0.334	ug/kg	70-130	30	70-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	5	1.42	ug/kg	70-130	30	70-130	30	30			
iso-Propyl Alcohol	67-63-0	100	100	ug/kg	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2	0.341	ug/kg	67-130	30	67-130	30	30			
Methyl Acetate	79-20-9	4	0.950	ug/kg	65-130	30	65-130	30	30			
Ethyl Acetate	141-78-6	10	1.21	ug/kg	70-130	30	70-130	30	30			
Isopropyl Ether	108-20-3	2	0.213	ug/kg	66-130	30	66-130	30	30			
Cyclohexane	110-82-7	10	0.544	ug/kg	70-130	30	70-130	30	30			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Ethyl-Tert-Butyl-Ether	637-92-3	2	0.128	ug/kg	70-130	30	70-130	30	30			
Tertiary-Amyl Methyl Ether	994-05-8	2	0.176	ug/kg	70-130	30	70-130	30	30			
1,4-Dioxane	123-91-1	100	35.1	ug/kg	65-136	30	65-136	30	30			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	4	0.693	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
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Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	250	115	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	50	7.25	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	75	7.00	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	50	11.5	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	50	6.25	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	50	7.00	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	50	13.4	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	25	9.80	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	25	6.35	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	200	34.8	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	50	12.9	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	25	8.35	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	25	5.45	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	50	13.7	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	25	7.90	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	25	7.90	ug/kg				30	30			
1,3-Dichloropropene, Total	542-75-6	25	7.90	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	25	7.95	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	200	12.3	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	25	8.30	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	25	8.30	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	50	27.2	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	50	7.05	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	200	46.6	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	100	29.1	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	50	16.8	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	100	22.6	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	50	11.9	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	75	6.85	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	25	6.85	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	100	7.20	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	100	7.40	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	100	8.55	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	100	10.1	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	100	28.0	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	50	14.6	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	50	14.6	ug/kg				30	30			
Xylene (Total)	1330-20-7	50	14.6	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	50	8.75	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	50	6.85	ug/kg				30	30			
1,2-Dichloroethene (total)	540-59-0	50	6.85	ug/kg				30	30			
Dibromomethane	74-95-3	100	11.9	ug/kg	70-130	30	70-130	30	30			

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Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	500	11.3	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	100	6.35	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	50	9.80	ug/kg	70-130	30	70-130	30	30			
Dichlorodifluoromethane	75-71-8	500	45.8	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	500	241	ug/kg	54-140	30	54-140	30	30			
Carbon disulfide	75-15-0	500	228	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	500	111	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	500	108	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	500	64.0	ug/kg	70-130	30	70-130	30	30			
2-Hexanone	591-78-6	500	59.0	ug/kg	70-130	30	70-130	30	30			
Ethyl methacrylate	97-63-2	500	79.0	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	200	57.5	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	100	10.3	ug/kg	70-130	30	70-130	30	30			
Tetrahydrofuran	109-99-9	200	79.5	ug/kg	66-130	30	66-130	30	30			
2,2-Dichloropropane	594-20-7	100	10.1	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	50	14.0	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	100	8.35	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	25	6.60	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	100	7.25	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	50	8.35	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	50	7.30	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	100	5.90	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trichlorobenzene	108-70-3	100	8.65	ug/kg	70-139	30	70-130	30	30			
o-Chlorotoluene	95-49-8	100	9.55	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	100	5.40	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	150	49.9	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	200	8.45	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	50	5.45	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	50	5.45	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	200	32.5	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	50	8.55	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	100	16.1	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	100	13.6	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	100	9.65	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	100	16.7	ug/kg	70-130	30	70-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	250	71.0	ug/kg	70-130	30	70-130	30	30			
iso-Propyl Alcohol	67-63-0	5000	5000	ug/kg	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	100	17.1	ug/kg	67-130	30	67-130	30	30			
Methyl Acetate	79-20-9	200	47.5	ug/kg	65-130	30	65-130	30	30			
Ethyl Acetate	141-78-6	500	60.5	ug/kg	70-130	30	70-130	30	30			
Isopropyl Ether	108-20-3	100	10.7	ug/kg	66-130	30	66-130	30	30			
Cyclohexane	110-82-7	500	27.2	ug/kg	70-130	30	70-130	30	30			

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Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Ethyl-Tert-Butyl-Ether	637-92-3	100	6.40	ug/kg	70-130	30	70-130	30	30			
Tertiary-Amyl Methyl Ether	994-05-8	100	8.80	ug/kg	70-130	30	70-130	30	30			
1,4-Dioxane	123-91-1	5000	1755	ug/kg	65-136	30	65-136	30	30			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	200	34.7	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Soils Engineering Services, Inc.	Lab Number	: L2040316
Project Name	: CONEY ISLAND	Project Number	: 11404
Lab ID	: L2040316-01	Date Collected	: 09/24/20 09:00
Client ID	: WC-5 (GRAB)	Date Received	: 09/24/20
Sample Location	: 1515 SURF AVE, BROOKLYN, NY	Date Analyzed	: 09/29/20 12:07
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: V26200929A06	Instrument ID	: VOA126
Sample Amount	: 5.3 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 82
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	5.7	2.6	U
75-34-3	1,1-Dichloroethane	ND	1.1	0.17	U
67-66-3	Chloroform	ND	1.7	0.16	U
56-23-5	Carbon tetrachloride	ND	1.1	0.26	U
78-87-5	1,2-Dichloropropane	ND	1.1	0.14	U
124-48-1	Dibromochloromethane	ND	1.1	0.16	U
79-00-5	1,1,2-Trichloroethane	ND	1.1	0.30	U
127-18-4	Tetrachloroethene	ND	0.57	0.22	U
108-90-7	Chlorobenzene	ND	0.57	0.14	U
75-69-4	Trichlorofluoromethane	ND	4.6	0.80	U
107-06-2	1,2-Dichloroethane	ND	1.1	0.29	U
71-55-6	1,1,1-Trichloroethane	ND	0.57	0.19	U
75-27-4	Bromodichloromethane	ND	0.57	0.12	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.1	0.31	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.57	0.18	U
542-75-6	1,3-Dichloropropene, Total	ND	0.57	0.18	U
563-58-6	1,1-Dichloropropene	ND	0.57	0.18	U
75-25-2	Bromoform	ND	4.6	0.28	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.57	0.19	U
71-43-2	Benzene	ND	0.57	0.19	U
108-88-3	Toluene	ND	1.1	0.62	U
100-41-4	Ethylbenzene	ND	1.1	0.16	U
74-87-3	Chloromethane	ND	4.6	1.1	U
74-83-9	Bromomethane	ND	2.3	0.66	U
75-01-4	Vinyl chloride	ND	1.1	0.38	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Soils Engineering Services, Inc.	Lab Number	: L2040316
Project Name	: CONEY ISLAND	Project Number	: 11404
Lab ID	: L2040316-01	Date Collected	: 09/24/20 09:00
Client ID	: WC-5 (GRAB)	Date Received	: 09/24/20
Sample Location	: 1515 SURF AVE, BROOKLYN, NY	Date Analyzed	: 09/29/20 12:07
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: V26200929A06	Instrument ID	: VOA126
Sample Amount	: 5.3 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 82
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.3	0.52	U
75-35-4	1,1-Dichloroethene	ND	1.1	0.27	U
156-60-5	trans-1,2-Dichloroethene	ND	1.7	0.16	U
79-01-6	Trichloroethene	ND	0.57	0.16	U
95-50-1	1,2-Dichlorobenzene	ND	2.3	0.16	U
541-73-1	1,3-Dichlorobenzene	ND	2.3	0.17	U
106-46-7	1,4-Dichlorobenzene	ND	2.3	0.20	U
1634-04-4	Methyl tert butyl ether	ND	2.3	0.23	U
179601-23-1	p/m-Xylene	ND	2.3	0.64	U
95-47-6	o-Xylene	ND	1.1	0.33	U
1330-20-7	Xylenes, Total	ND	1.1	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.20	U
540-59-0	1,2-Dichloroethene, Total	ND	1.1	0.16	U
74-95-3	Dibromomethane	ND	2.3	0.27	U
100-42-5	Styrene	ND	1.1	0.22	U
75-71-8	Dichlorodifluoromethane	ND	11	1.0	U
67-64-1	Acetone	ND	11	5.5	U
75-15-0	Carbon disulfide	ND	11	5.2	U
78-93-3	2-Butanone	ND	11	2.5	U
108-05-4	Vinyl acetate	ND	11	2.5	U
108-10-1	4-Methyl-2-pentanone	ND	11	1.5	U
96-18-4	1,2,3-Trichloropropane	ND	2.3	0.14	U
591-78-6	2-Hexanone	ND	11	1.4	U
74-97-5	Bromochloromethane	ND	2.3	0.23	U
594-20-7	2,2-Dichloropropane	ND	2.3	0.23	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Soils Engineering Services, Inc.	Lab Number	: L2040316
Project Name	: CONEY ISLAND	Project Number	: 11404
Lab ID	: L2040316-01	Date Collected	: 09/24/20 09:00
Client ID	: WC-5 (GRAB)	Date Received	: 09/24/20
Sample Location	: 1515 SURF AVE, BROOKLYN, NY	Date Analyzed	: 09/29/20 12:07
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: V26200929A06	Instrument ID	: VOA126
Sample Amount	: 5.3 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 82
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-93-4	1,2-Dibromoethane	ND	1.1	0.32	U
142-28-9	1,3-Dichloropropane	ND	2.3	0.19	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.57	0.15	U
108-86-1	Bromobenzene	ND	2.3	0.17	U
104-51-8	n-Butylbenzene	ND	1.1	0.19	U
135-98-8	sec-Butylbenzene	ND	1.1	0.17	U
98-06-6	tert-Butylbenzene	ND	2.3	0.14	U
95-49-8	o-Chlorotoluene	ND	2.3	0.22	U
106-43-4	p-Chlorotoluene	ND	2.3	0.12	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.4	1.1	U
87-68-3	Hexachlorobutadiene	ND	4.6	0.19	U
98-82-8	Isopropylbenzene	ND	1.1	0.12	U
99-87-6	p-Isopropyltoluene	ND	1.1	0.12	U
91-20-3	Naphthalene	ND	4.6	0.74	U
107-13-1	Acrylonitrile	ND	4.6	1.3	U
103-65-1	n-Propylbenzene	ND	1.1	0.20	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.3	0.37	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.3	0.31	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.3	0.22	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.3	0.38	U
123-91-1	1,4-Dioxane	ND	92	40.	U
105-05-5	p-Diethylbenzene	ND	2.3	0.20	U
622-96-8	p-Ethyltoluene	ND	2.3	0.44	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.3	0.22	U
60-29-7	Ethyl ether	ND	2.3	0.39	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2040316
Project Name	: CONEY ISLAND	**Project Number**	: 11404
Lab ID	: L2040316-01	**Date Collected**	: 09/24/20 09:00
Client ID	: WC-5 (GRAB)	**Date Received**	: 09/24/20
Sample Location	: 1515 SURF AVE, BROOKLYN, NY	**Date Analyzed**	: 09/29/20 12:07
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AD
Lab File ID	: V26200929A06	**Instrument ID**	: VOA126
Sample Amount	: 5.3 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 82
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.7	1.6	U

Tentatively Identified Compounds
Form 1
Volatile Organics by EPA 5035

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2040316
Project Name	: CONEY ISLAND	**Project Number**	: 11404
Lab ID	: L2040316-01	**Date Collected**	: 09/24/20 09:00
Client ID	: WC-5 (GRAB)	**Date Received**	: 09/24/20
Sample Location	: 1515 SURF AVE, BROOKLYN, NY	**Date Analyzed**	: 09/29/20 12:07
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AD
Lab File ID	: V26200929A06	**Instrument ID**	: VOA126
Sample Amount	:	**GC Column**	: RTX-VMS
Level	:	**%Solids**	: 82
Extract Volume (MeOH)	: NA	**Injection Volume**	: 1

Number TICS found: 3 **Concentration Units: ug/Kg**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
000541-05-9	Cyclotrisiloxane, hexamethyl-	14.78	6.77	NJ
	Unknown	19.94	3.49	J
	Total TIC Compounds		10.3J	J

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Soils Engineering Services, Inc.	Lab Number	: L2040316
Project Name	: CONEY ISLAND	Project Number	: 11404
Lab ID	: L2040316-02	Date Collected	: 09/24/20 10:30
Client ID	: WC-6 (GRAB)	Date Received	: 09/24/20
Sample Location	: 1515 SURF AVE, BROOKLYN, NY	Date Analyzed	: 09/29/20 12:47
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: V26200929A07	Instrument ID	: VOA126
Sample Amount	: 5.3 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 86
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	5.5	2.5	U
75-34-3	1,1-Dichloroethane	ND	1.1	0.16	U
67-66-3	Chloroform	ND	1.6	0.15	U
56-23-5	Carbon tetrachloride	ND	1.1	0.25	U
78-87-5	1,2-Dichloropropane	ND	1.1	0.14	U
124-48-1	Dibromochloromethane	ND	1.1	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.1	0.29	U
127-18-4	Tetrachloroethene	ND	0.55	0.22	U
108-90-7	Chlorobenzene	ND	0.55	0.14	U
75-69-4	Trichlorofluoromethane	ND	4.4	0.76	U
107-06-2	1,2-Dichloroethane	ND	1.1	0.28	U
71-55-6	1,1,1-Trichloroethane	ND	0.55	0.18	U
75-27-4	Bromodichloromethane	ND	0.55	0.12	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.1	0.30	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.55	0.17	U
542-75-6	1,3-Dichloropropene, Total	ND	0.55	0.17	U
563-58-6	1,1-Dichloropropene	ND	0.55	0.17	U
75-25-2	Bromoform	ND	4.4	0.27	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.55	0.18	U
71-43-2	Benzene	ND	0.55	0.18	U
108-88-3	Toluene	ND	1.1	0.60	U
100-41-4	Ethylbenzene	ND	1.1	0.16	U
74-87-3	Chloromethane	ND	4.4	1.0	U
74-83-9	Bromomethane	ND	2.2	0.64	U
75-01-4	Vinyl chloride	ND	1.1	0.37	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Soils Engineering Services, Inc.	Lab Number	: L2040316
Project Name	: CONEY ISLAND	Project Number	: 11404
Lab ID	: L2040316-02	Date Collected	: 09/24/20 10:30
Client ID	: WC-6 (GRAB)	Date Received	: 09/24/20
Sample Location	: 1515 SURF AVE, BROOKLYN, NY	Date Analyzed	: 09/29/20 12:47
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: V26200929A07	Instrument ID	: VOA126
Sample Amount	: 5.3 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 86
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.2	0.50	U
75-35-4	1,1-Dichloroethene	ND	1.1	0.26	U
156-60-5	trans-1,2-Dichloroethene	ND	1.6	0.15	U
79-01-6	Trichloroethene	ND	0.55	0.15	U
95-50-1	1,2-Dichlorobenzene	ND	2.2	0.16	U
541-73-1	1,3-Dichlorobenzene	ND	2.2	0.16	U
106-46-7	1,4-Dichlorobenzene	ND	2.2	0.19	U
1634-04-4	Methyl tert butyl ether	ND	2.2	0.22	U
179601-23-1	p/m-Xylene	ND	2.2	0.62	U
95-47-6	o-Xylene	ND	1.1	0.32	U
1330-20-7	Xylenes, Total	ND	1.1	0.32	U
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.19	U
540-59-0	1,2-Dichloroethene, Total	ND	1.1	0.15	U
74-95-3	Dibromomethane	ND	2.2	0.26	U
100-42-5	Styrene	ND	1.1	0.22	U
75-71-8	Dichlorodifluoromethane	ND	11	1.0	U
67-64-1	Acetone	ND	11	5.3	U
75-15-0	Carbon disulfide	ND	11	5.0	U
78-93-3	2-Butanone	ND	11	2.4	U
108-05-4	Vinyl acetate	ND	11	2.4	U
108-10-1	4-Methyl-2-pentanone	ND	11	1.4	U
96-18-4	1,2,3-Trichloropropane	ND	2.2	0.14	U
591-78-6	2-Hexanone	ND	11	1.3	U
74-97-5	Bromochloromethane	ND	2.2	0.22	U
594-20-7	2,2-Dichloropropane	ND	2.2	0.22	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Soils Engineering Services, Inc.	Lab Number	: L2040316
Project Name	: CONEY ISLAND	Project Number	: 11404
Lab ID	: L2040316-02	Date Collected	: 09/24/20 10:30
Client ID	: WC-6 (GRAB)	Date Received	: 09/24/20
Sample Location	: 1515 SURF AVE, BROOKLYN, NY	Date Analyzed	: 09/29/20 12:47
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AD
Lab File ID	: V26200929A07	Instrument ID	: VOA126
Sample Amount	: 5.3 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 86
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-93-4	1,2-Dibromoethane	ND	1.1	0.31	U
142-28-9	1,3-Dichloropropane	ND	2.2	0.18	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.55	0.14	U
108-86-1	Bromobenzene	ND	2.2	0.16	U
104-51-8	n-Butylbenzene	ND	1.1	0.18	U
135-98-8	sec-Butylbenzene	ND	1.1	0.16	U
98-06-6	tert-Butylbenzene	ND	2.2	0.13	U
95-49-8	o-Chlorotoluene	ND	2.2	0.21	U
106-43-4	p-Chlorotoluene	ND	2.2	0.12	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.3	1.1	U
87-68-3	Hexachlorobutadiene	ND	4.4	0.18	U
98-82-8	Isopropylbenzene	ND	1.1	0.12	U
99-87-6	p-Isopropyltoluene	ND	1.1	0.12	U
91-20-3	Naphthalene	ND	4.4	0.72	U
107-13-1	Acrylonitrile	ND	4.4	1.3	U
103-65-1	n-Propylbenzene	ND	1.1	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.2	0.35	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.2	0.30	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.2	0.21	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.2	0.37	U
123-91-1	1,4-Dioxane	ND	88	39.	U
105-05-5	p-Diethylbenzene	ND	2.2	0.19	U
622-96-8	p-Ethyltoluene	ND	2.2	0.42	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.2	0.21	U
60-29-7	Ethyl ether	ND	2.2	0.38	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2040316
Project Name	: CONEY ISLAND	**Project Number**	: 11404
Lab ID	: L2040316-02	**Date Collected**	: 09/24/20 10:30
Client ID	: WC-6 (GRAB)	**Date Received**	: 09/24/20
Sample Location	: 1515 SURF AVE, BROOKLYN, NY	**Date Analyzed**	: 09/29/20 12:47
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AD
Lab File ID	: V26200929A07	**Instrument ID**	: VOA126
Sample Amount	: 5.3 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 86
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.5	1.6	U

Tentatively Identified Compounds
Form 1
Volatile Organics by EPA 5035

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2040316
Project Name	: CONEY ISLAND	**Project Number**	: 11404
Lab ID	: L2040316-02	**Date Collected**	: 09/24/20 10:30
Client ID	: WC-6 (GRAB)	**Date Received**	: 09/24/20
Sample Location	: 1515 SURF AVE, BROOKLYN, NY	**Date Analyzed**	: 09/29/20 12:47
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AD
Lab File ID	: V26200929A07	**Instrument ID**	: VOA126
Sample Amount	:	**GC Column**	: RTX-VMS
Level	:	**%Solids**	: 86
Extract Volume (MeOH)	: NA	**Injection Volume**	: 1

Number TICS found: 3 **Concentration Units: ug/Kg**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
000541-05-9	Cyclotrisiloxane, hexamethyl-	14.78	4.99	NJ
	Unknown	19.94	2.66	J
	Total TIC Compounds		7.65J	J

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Soils Engineering Services, Inc.	Lab Number	: L2040316
Project Name	: CONEY ISLAND	Project Number	: 11404
Lab ID	: WG1416109-5	Date Collected	: NA
Client ID	: WG1416109-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/29/20 11:28
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MV
Lab File ID	: V26200929A05	Instrument ID	: VOA126
Sample Amount	: 5.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: NA
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	5.0	2.3	U
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	U
67-66-3	Chloroform	ND	1.5	0.14	U
56-23-5	Carbon tetrachloride	ND	1.0	0.23	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.12	U
124-48-1	Dibromochloromethane	ND	1.0	0.14	U
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.27	U
127-18-4	Tetrachloroethene	ND	0.50	0.20	U
108-90-7	Chlorobenzene	ND	0.50	0.13	U
75-69-4	Trichlorofluoromethane	ND	4.0	0.70	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.17	U
75-27-4	Bromodichloromethane	ND	0.50	0.11	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.27	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.16	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.16	U
563-58-6	1,1-Dichloropropene	ND	0.50	0.16	U
75-25-2	Bromoform	ND	4.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.17	U
108-88-3	Toluene	ND	1.0	0.54	U
100-41-4	Ethylbenzene	ND	1.0	0.14	U
74-87-3	Chloromethane	ND	4.0	0.93	U
74-83-9	Bromomethane	ND	2.0	0.58	U
75-01-4	Vinyl chloride	ND	1.0	0.34	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Soils Engineering Services, Inc.	Lab Number	: L2040316
Project Name	: CONEY ISLAND	Project Number	: 11404
Lab ID	: WG1416109-5	Date Collected	: NA
Client ID	: WG1416109-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/29/20 11:28
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MV
Lab File ID	: V26200929A05	Instrument ID	: VOA126
Sample Amount	: 5.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: NA
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.0	0.45	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.24	U
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.14	U
79-01-6	Trichloroethene	ND	0.50	0.14	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.14	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.15	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.17	U
1634-04-4	Methyl tert butyl ether	ND	2.0	0.20	U
179601-23-1	p/m-Xylene	ND	2.0	0.56	U
95-47-6	o-Xylene	ND	1.0	0.29	U
1330-20-7	Xylenes, Total	ND	1.0	0.29	U
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.18	U
540-59-0	1,2-Dichloroethene, Total	ND	1.0	0.14	U
74-95-3	Dibromomethane	ND	2.0	0.24	U
100-42-5	Styrene	ND	1.0	0.20	U
75-71-8	Dichlorodifluoromethane	ND	10	0.92	U
67-64-1	Acetone	ND	10	4.8	U
75-15-0	Carbon disulfide	ND	10	4.6	U
78-93-3	2-Butanone	ND	10	2.2	U
108-05-4	Vinyl acetate	ND	10	2.2	U
108-10-1	4-Methyl-2-pentanone	ND	10	1.3	U
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.13	U
591-78-6	2-Hexanone	ND	10	1.2	U
74-97-5	Bromochloromethane	ND	2.0	0.20	U
594-20-7	2,2-Dichloropropane	ND	2.0	0.20	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Soils Engineering Services, Inc.	Lab Number	: L2040316
Project Name	: CONEY ISLAND	Project Number	: 11404
Lab ID	: WG1416109-5	Date Collected	: NA
Client ID	: WG1416109-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/29/20 11:28
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MV
Lab File ID	: V26200929A05	Instrument ID	: VOA126
Sample Amount	: 5.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: NA
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	U
142-28-9	1,3-Dichloropropane	ND	2.0	0.17	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	U
108-86-1	Bromobenzene	ND	2.0	0.14	U
104-51-8	n-Butylbenzene	ND	1.0	0.17	U
135-98-8	sec-Butylbenzene	ND	1.0	0.15	U
98-06-6	tert-Butylbenzene	ND	2.0	0.12	U
95-49-8	o-Chlorotoluene	ND	2.0	0.19	U
106-43-4	p-Chlorotoluene	ND	2.0	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.0	1.0	U
87-68-3	Hexachlorobutadiene	ND	4.0	0.17	U
98-82-8	Isopropylbenzene	ND	1.0	0.11	U
99-87-6	p-Isopropyltoluene	ND	1.0	0.11	U
91-20-3	Naphthalene	ND	4.0	0.65	U
107-13-1	Acrylonitrile	ND	4.0	1.2	U
103-65-1	n-Propylbenzene	ND	1.0	0.17	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.32	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.27	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.19	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.33	U
123-91-1	1,4-Dioxane	ND	80	35.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.18	U
622-96-8	p-Ethyltoluene	ND	2.0	0.38	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.19	U
60-29-7	Ethyl ether	ND	2.0	0.34	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2040316
Project Name	: CONEY ISLAND	**Project Number**	: 11404
Lab ID	: WG1416109-5	**Date Collected**	: NA
Client ID	: WG1416109-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/29/20 11:28
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MV
Lab File ID	: V26200929A05	**Instrument ID**	: VOA126
Sample Amount	: 5.0 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: NA
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	1.4	U

Tentatively Identified Compounds
Form 1
Volatile Organics by EPA 5035

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2040316
Project Name	: CONEY ISLAND	**Project Number**	: 11404
Lab ID	: WG1416109-5	**Date Collected**	: NA
Client ID	: WG1416109-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/29/20 11:28
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MV
Lab File ID	: V26200929A05	**Instrument ID**	: VOA126
Sample Amount	:	**GC Column**	: RTX-VMS
Level	:	**%Solids**	: NA
Extract Volume (MeOH)	: NA	**Injection Volume**	: 1

Number TICS found: 5 **Concentration Units: ug/Kg**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
000541-05-9	Cyclotrisiloxane, hexamethyl-	14.78	7.29	NJ
	Unknown	19.94	4.16	J
	Unknown	24.11	3.77	J
	Unknown	27.77	2.58	J
	Total TIC Compounds		17.8J	J

Quantitation Report (LSC Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A06.D
Acq On : 29 Sep 2020 12:07
Operator : VOA126:AD
Sample : l2040316-01,31,5.30,5,,y
Misc : WG1416109,ICAL16859
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 21:34:50 2020
Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200929A\V26200929A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	11.558	96	234957	20.000	ug/L	0.00
Standard Area 1 = 269604			Recovery =	87.15%		
63) Chlorobenzene-d5	18.259	117	196653	20.000	ug/L	0.00
Standard Area 1 = 217005			Recovery =	90.62%		
88) 1,4-Dichlorobenzene-d4	23.917	152	103572	20.000	ug/L	-0.01
Standard Area 1 = 117842			Recovery =	87.89%		
System Monitoring Compounds						
39) Dibromofluoromethane	9.924	113	64840	21.239	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	106.19%		
47) 1,2-Dichloroethane-d4	10.925	65	64703	20.870	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	104.35%		
65) Toluene-d8	14.896	98	242026	19.706	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.53%		
92) 4-Bromofluorobenzene	21.095	95	99176	19.670	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.35%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
4) Chloromethane	0.000		0	N.D. d		
5) Vinyl chloride	0.000		0	N.D.		
6) Bromomethane	3.973	94	28	N.D.		
7) Chloroethane	0.000		0	N.D.		
8) Trichlorofluoromethane	0.000		0	N.D.		
9) Ethyl ether	0.000		0	N.D.		
11) 1,1-Dichloroethene	0.000		0	N.D.		
12) Carbon disulfide	6.591	76	6343	0.893	ug/L #	87
17) Methylene chloride	6.611	84	1047M1	0.391	ug/L	
19) Acetone	5.498	43	4328M1	3.563	ug/L	
20) trans-1,2-Dichloroethene	0.000		0	N.D.		
23) Methyl tert-butyl ether	0.000		0	N.D.		
26) 1,1-Dichloroethane	0.000		0	N.D.		
28) Acrylonitrile	0.000		0	N.D.		
30) Vinyl acetate	0.000		0	N.D.		
31) cis-1,2-Dichloroethene	0.000		0	N.D.		
32) 2,2-Dichloropropane	0.000		0	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
35) Chloroform	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A06.D
Acq On : 29 Sep 2020 12:07
Operator : VOA126:AD
Sample : l2040316-01,31,5.30,5,,y
Misc : WG1416109,ICAL16859
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 21:34:50 2020
Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200929A\V26200929A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	Carbon tetrachloride	0.000		0		N.D.	
40)	1,1,1-Trichloroethane	0.000		0		N.D.	
42)	2-Butanone	8.853	43	27		N.D.	
43)	1,1-Dichloropropene	0.000		0		N.D.	
45)	Benzene	11.137	78	70		N.D.	
48)	1,2-Dichloroethane	0.000		0		N.D.	
52)	Trichloroethene	0.000		0		N.D.	
54)	Dibromomethane	0.000		0		N.D.	
55)	1,2-Dichloropropane	0.000		0		N.D.	
58)	Bromodichloromethane	0.000		0		N.D.	
61)	1,4-Dioxane	0.000		0		N.D.	
62)	cis-1,3-Dichloropropene	0.000		0		N.D.	
66)	Toluene	15.066	92	33		N.D.	
67)	4-Methyl-2-pentanone	0.000		0		N.D.	
68)	Tetrachloroethene	0.000		0		N.D.	
71)	trans-1,3-Dichloropropene	0.000		0		N.D.	
75)	1,1,2-Trichloroethane	0.000		0		N.D.	
76)	Chlorodibromomethane	0.000		0		N.D.	
77)	1,3-Dichloropropane	0.000		0		N.D.	
78)	1,2-Dibromoethane	0.000		0		N.D.	
80)	2-Hexanone	0.000		0		N.D.	
82)	Chlorobenzene	0.000		0		N.D.	
83)	Ethylbenzene	0.000		0		N.D.	
84)	1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
85)	p/m Xylene	0.000		0		N.D.	
86)	o Xylene	0.000		0		N.D.	
87)	Styrene	19.745	104	153		N.D.	
89)	Bromoform	0.000		0		N.D.	
91)	Isopropylbenzene	0.000		0		N.D.	
93)	Bromobenzene	0.000		0		N.D.	
95)	n-Propylbenzene	0.000		0		N.D.	
97)	1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
98)	4-Ethyltoluene	21.734	105	32		N.D.	
99)	2-Chlorotoluene	0.000		0		N.D.	
100)	1,3,5-Trimethylbenzene	0.000		0		N.D.	
101)	1,2,3-Trichloropropane	0.000		0		N.D.	
102)	trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
103)	4-Chlorotoluene	0.000		0		N.D.	
104)	tert-Butylbenzene	0.000		0		N.D.	

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A06.D
Acq On : 29 Sep 2020 12:07
Operator : VOA126:AD
Sample : l2040316-01,31,5.30,5,,y
Misc : WG1416109,ICAL16859
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 21:34:50 2020
Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200929A\V26200929A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107)	1,2,4-Trimethylbenzene	22.788	105	103	N.D.		
109)	sec-Butylbenzene	0.000		0	N.D.		
110)	p-Isopropyltoluene	23.527	119	234	N.D.		
111)	1,3-Dichlorobenzene	0.000		0	N.D.		
112)	1,4-Dichlorobenzene	24.004	146	27	N.D.		
115)	p-Diethylbenzene	0.000		0	N.D.		
116)	n-Butylbenzene	0.000		0	N.D.		
118)	1,2-Dichlorobenzene	24.846	146	26	N.D.		
120)	1,2,4,5-Tetramethylben...	0.000		0	N.D.		
121)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
124)	Hexachlorobutadiene	0.000		0	N.D.		
125)	1,2,4-Trichlorobenzene	28.231	180	146	N.D.		
126)	Naphthalene	28.683	128	378	N.D.		
127)	1,2,3-Trichlorobenzene	29.121	180	36	N.D.		

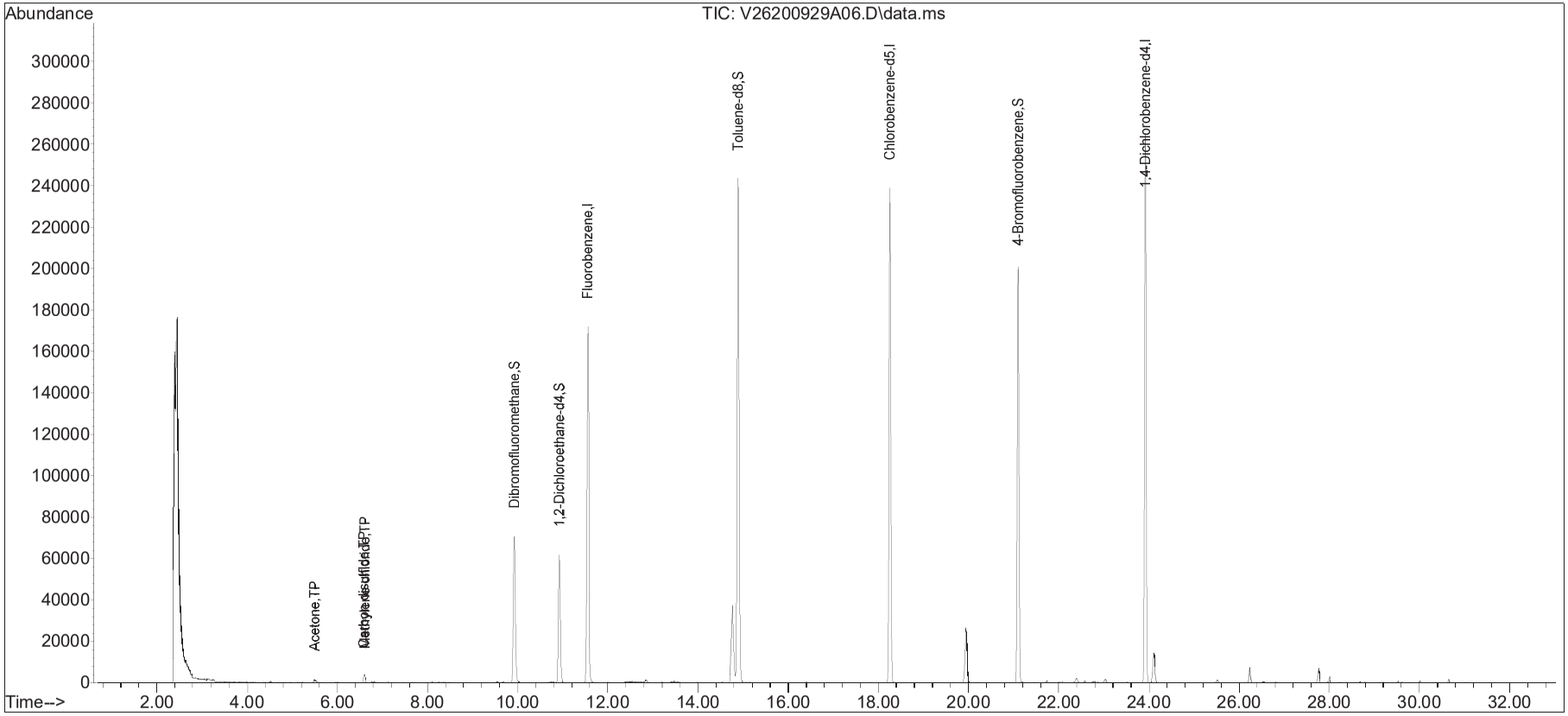
(#) = qualifier out of range (m) = manual integration (+) = signals summed

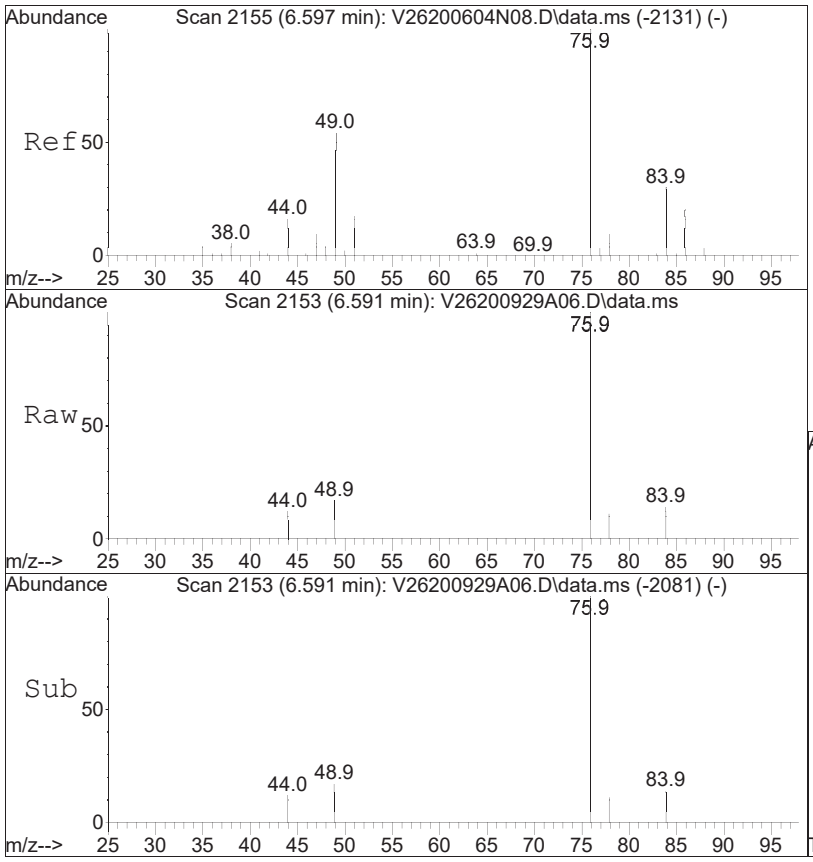
Quantitation Report (LSC Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A06.D
Acq On : 29 Sep 2020 12:07
Operator : VOA126:AD
Sample : l2040316-01,31,5.30,5,,y
Misc : WG1416109,ICAL16859
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 29 21:34:50 2020
Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox00929A\V26200929A01.D•

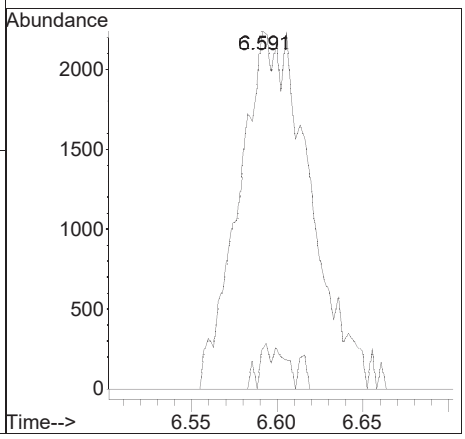


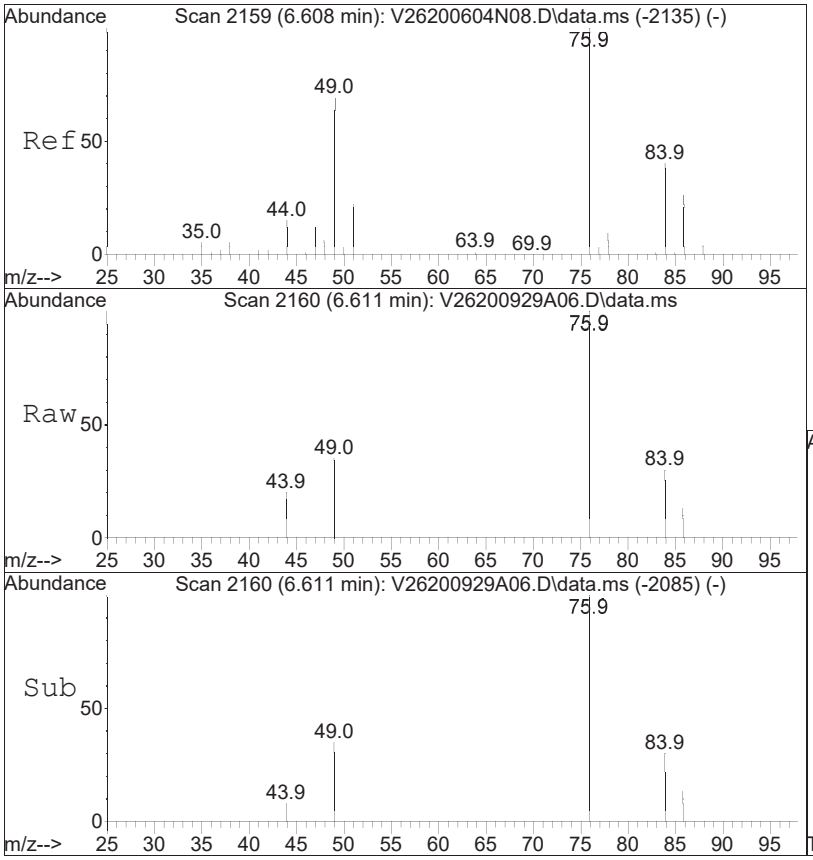


#12
Carbon disulfide
Concen: 0.89 ug/L
RT: 6.591 min Scan# 2153
Delta R.T. -0.000 min
Lab File: V26200929A06.D
Acq: 29 Sep 2020 12:07

Tgt Ion: 76 Resp: 6343

Ion	Ratio	Lower	Upper
76	100		
78	4.4	5.9	12.3#

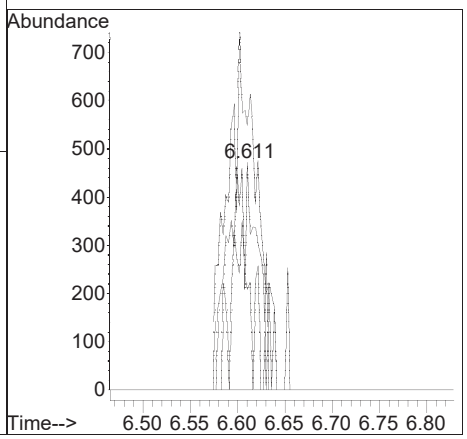


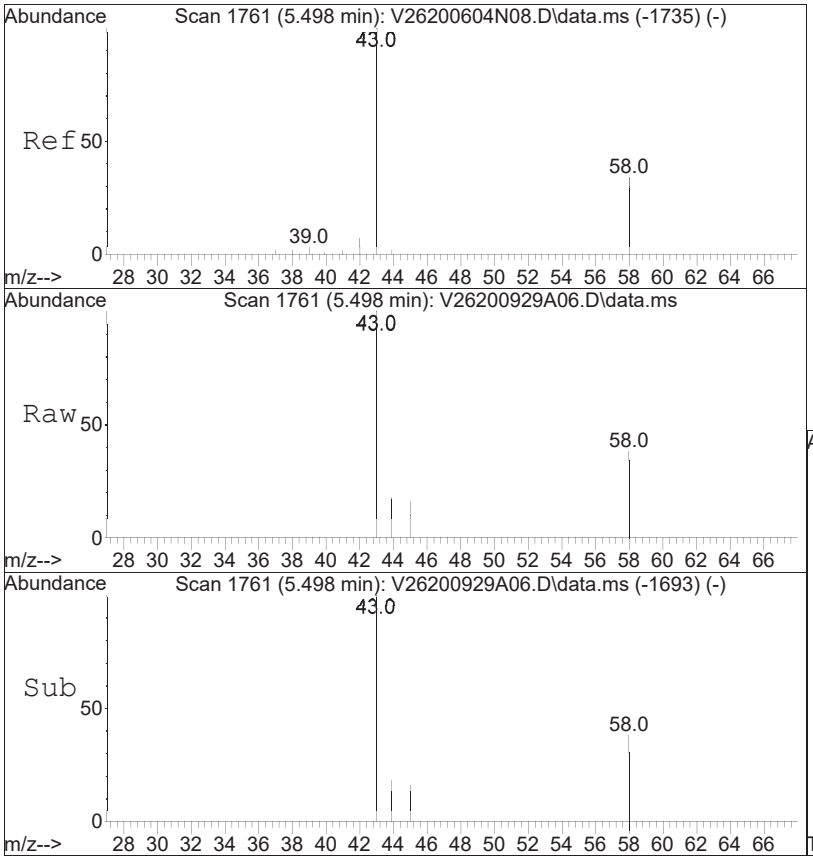


#17
Methylene chloride
Concen: 0.39 ug/L M1
RT: 6.611 min Scan# 2160
Delta R.T. 0.008 min
Lab File: V26200929A06.D
Acq: 29 Sep 2020 12:07

Tgt Ion: 84 Resp: 1047

Ion	Ratio	Lower	Upper
84	100		
86	6.4	41.9	87.1#
49	56.1	88.1	183.1#

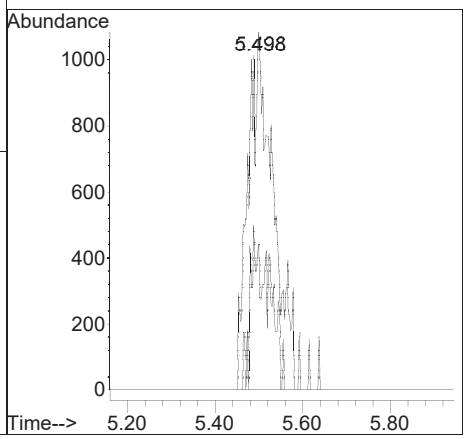




#19
Acetone
Concen: 3.56 ug/L M1
RT: 5.498 min Scan# 1761
Delta R.T. -0.009 min
Lab File: V26200929A06.D
Acq: 29 Sep 2020 12:07

Tgt Ion: 43 Resp: 4328

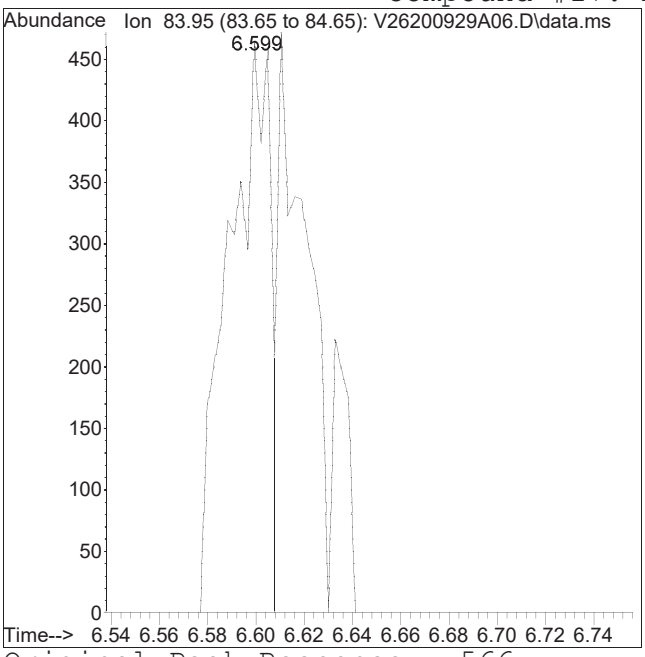
Ion	Ratio	Lower	Upper
43	100		
58	6.4	24.6	37.0#



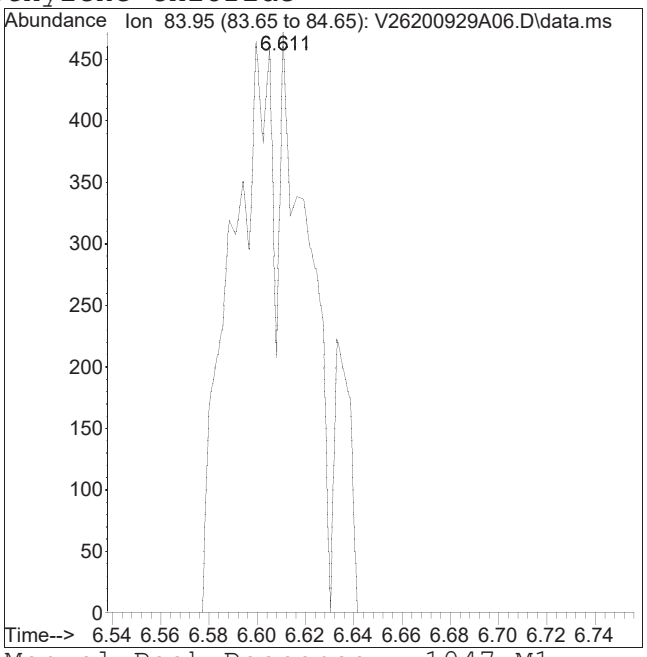
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200929A06.D Operator : VOA126:AD
Date Inj'd : 9/29/2020 12:07 Instrument : VOA126
Sample : l2040316-01,31,5.30,5,,y Quant Date : 9/29/2020 9:34 pm

Compound #17: Methylene chloride



Original Peak Response = 566



Manual Peak Response = 1047 M1

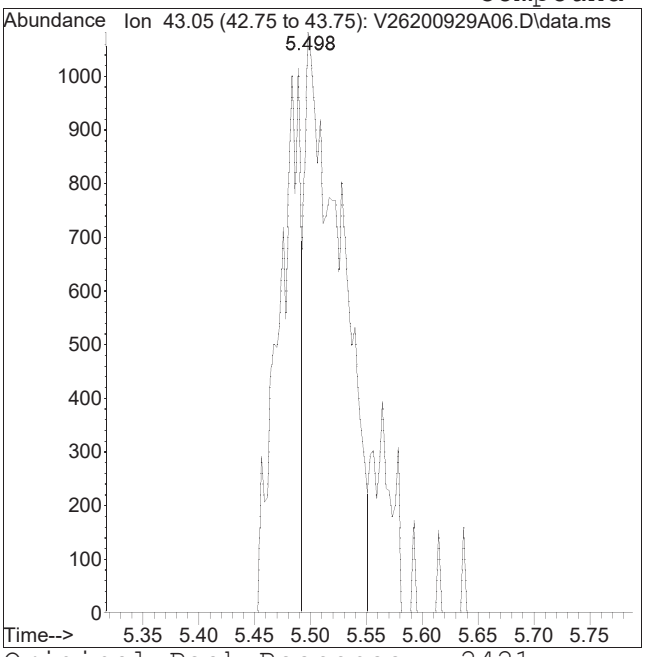
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

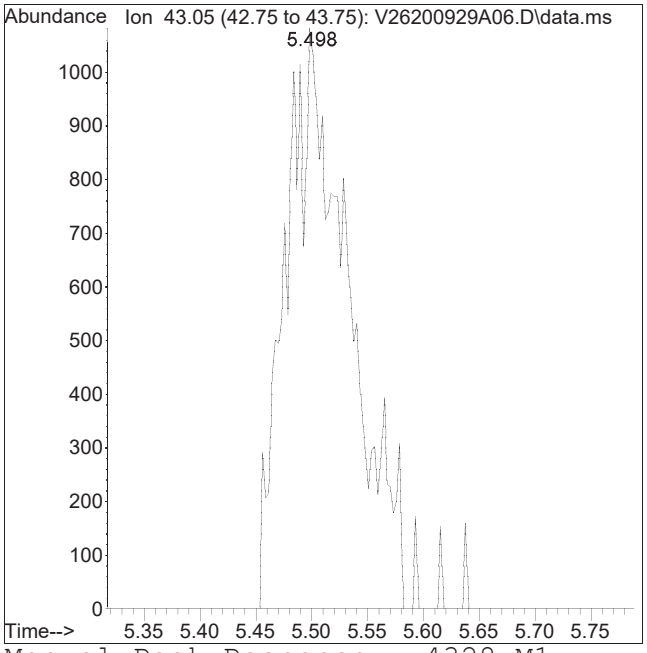
Data Path : I:\VOLATILES\VOA126\2020\2Q
Data File : V26200929A06.D
Date Inj'd : 9/29/2020 12:07
Sample : l2040316-01,31,5.30,5,,y

Method : V126_200604N_8260Suff.m
Operator : VOA126:AD
Instrument : VOA126
Quant Date : 9/29/2020 9:34 pm

Compound #19: Acetone



Original Peak Response = 2421



Manual Peak Response = 4328 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A06.D
Acq On : 29 Sep 2020 12:07
Operator : VOA126:AD
Sample : l2040316-01,31,5.30,5,,y
Misc : WG1416109,ICAL16859
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.1 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Title : VOLATILES BY GC/MS

Signal : TIC: V26200929A06.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.389	624	646	657	rBV	159722	475289	73.22%	12.033%
2	9.924	3322	3348	3378	rBV5	70767	208196	32.07%	5.271%
3	10.925	3686	3707	3738	rBB2	61751	164332	25.32%	4.160%
4	11.558	3907	3934	3976	rBV	172144	495494	76.33%	12.544%
5	14.776	5054	5088	5111	rBV3	37671	146504	22.57%	3.709%
6	14.893	5111	5130	5176	rVB2	243685	649147	100.00%	16.435%
7	18.259	6315	6337	6366	rBB	239163	587449	90.50%	14.872%
8	19.935	6916	6938	6966	rBB9	26462	89538	13.79%	2.267%
9	21.098	7333	7355	7377	rBV2	200979	472372	72.77%	11.959%
10	23.917	8345	8366	8387	rBB3	265484	615281	94.78%	15.577%
11	24.107	8410	8434	8461	rBB	14556	46301	7.13%	1.172%

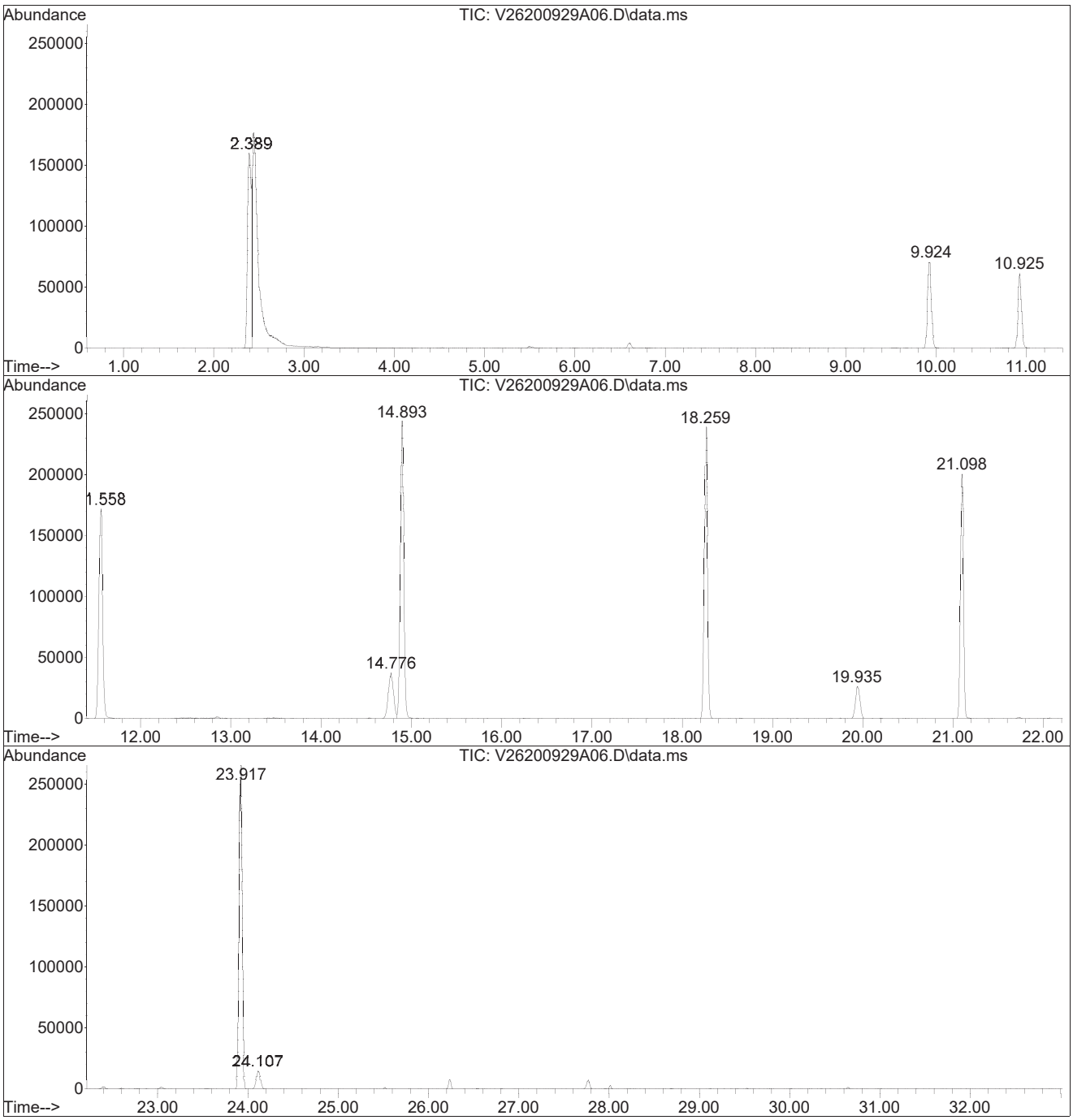
Sum of corrected areas: 3949903

LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A06.D
Acq On : 29 Sep 2020 12:07
Operator : VOA126:AD
Sample : l2040316-01,31,5.30,5,,y
Misc : WG1416109,ICAL16859
ALS Vial : 6 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A06.D
Acq On : 29 Sep 2020 12:07
Operator : VOA126:AD
Sample : l2040316-01,31,5.30,5,,y
Misc : WG1416109,ICAL16859
ALS Vial : 6 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS

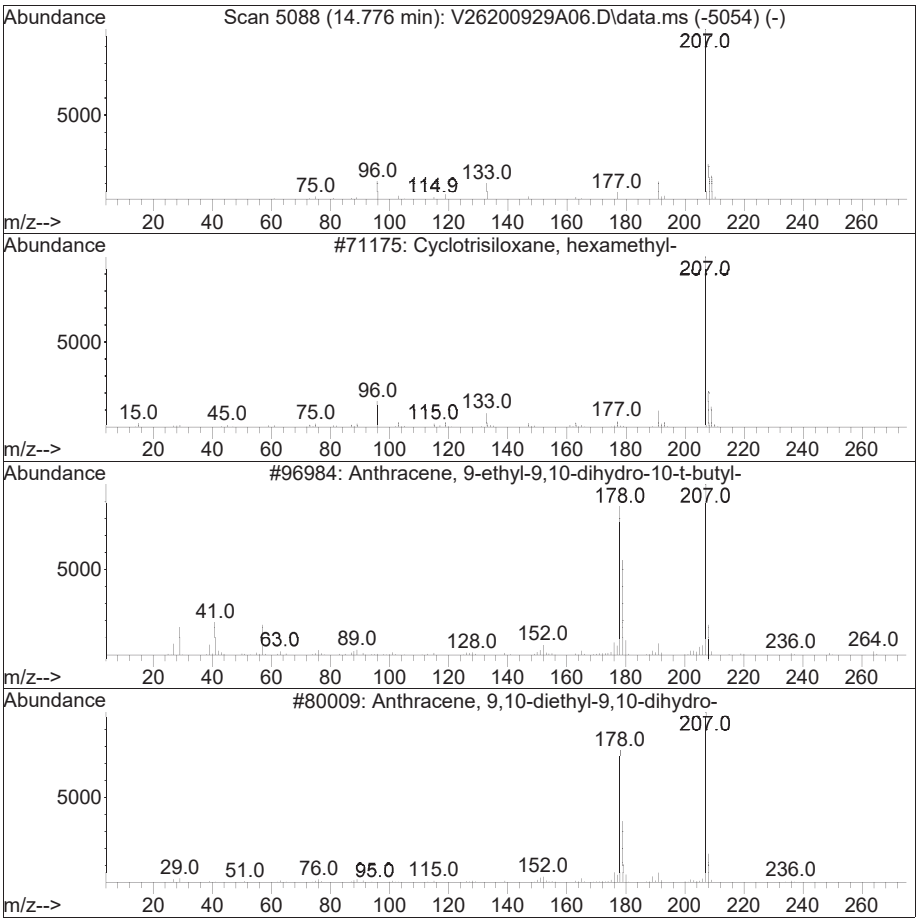
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TIC Integration Parameters: rteint.p

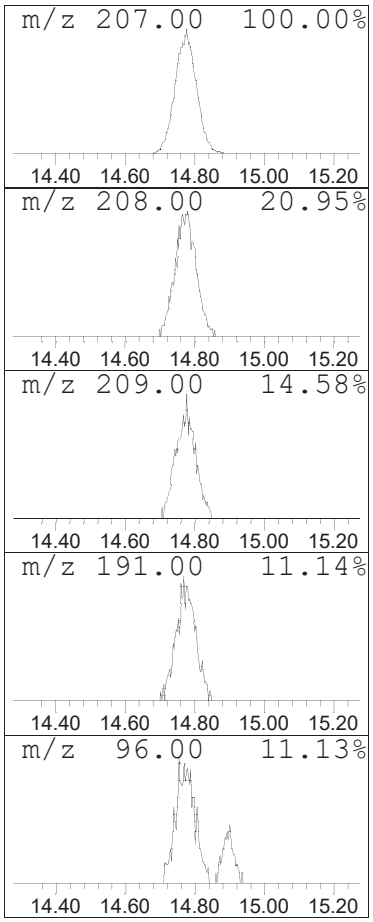
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Peak Number 2 Cyclotrisiloxane, hexamethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.776	5.91 ug/L	146504	Fluorobenzene	11.558

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	91
2	Anthracene, 9-ethyl-9,10-dihydro...	264	C20H24	1000154-57-7	38
3	Anthracene, 9,10-diethyl-9,10-di...	236	C18H20	046868-29-5	38
4	2-Ethylacridine	207	C15H13N	055751-83-2	36
5	N-Methyl-1-adamantaneacetamide	207	C13H21NO	031897-93-5	36





Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A06.D
Acq On : 29 Sep 2020 12:07
Operator : VOA126:AD
Sample : l2040316-01,31,5.30,5,,y
Misc : WG1416109,ICAL16859
ALS Vial : 6 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS

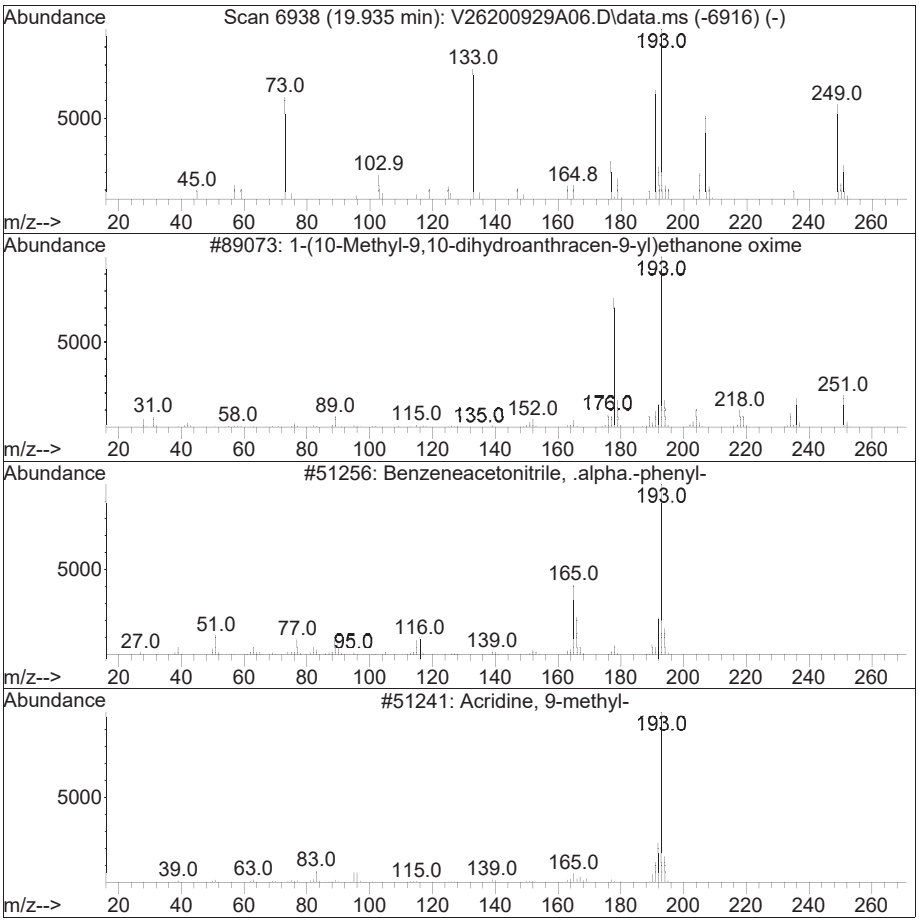
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

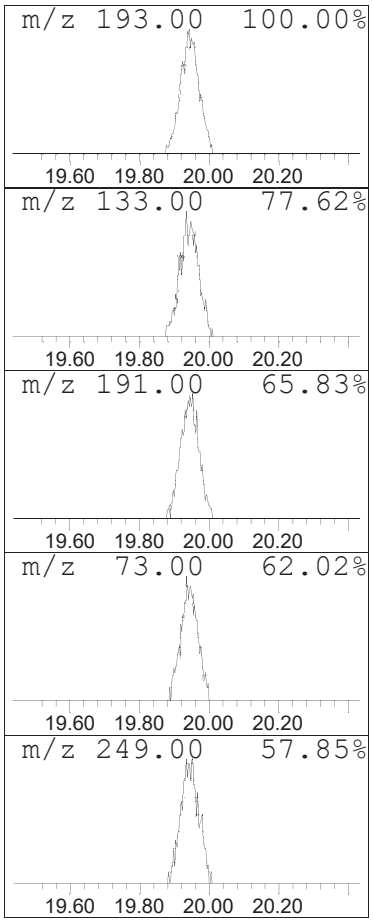
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Peak Number 3 Unknown Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.935	3.05 ug/L	89538	Chlorobenzene-d5	18.259

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(10-Methyl-9,10-dihydroanthrac...	251	C17H17NO	1000210-33-6	22
2	Benzeneacetonitrile, .alpha.-phe...	193	C14H11N	000086-29-3	18
3	Acridine, 9-methyl-	193	C14H11N	000611-64-3	14
4	Iminostilbene	193	C14H11N	000256-96-2	14
5	Benzoic acid, 4-hydroxy-2-methox...	224	C12H16O4	034874-83-4	14





Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A06.D
Acq On : 29 Sep 2020 12:07
Operator : VOA126:AD
Sample : l2040316-01,31,5.30,5,,y
Misc : WG1416109,ICAL16859
ALS Vial : 6 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclotrisiloxan...	14.776	5.9	ug/L	146504	1	11.558	495494	20.0
Unknown	19.935	3.0	ug/L	89538	2	18.259	587449	20.0

Quantitation Report (LSC Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A07.D
Acq On : 29 Sep 2020 12:47
Operator : VOA126:AD
Sample : l2040316-02,31,5.26,5,,y
Misc : WG1416109,ICAL16859
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 29 21:35:48 2020
Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200929A\V26200929A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	11.558	96	232448	20.000	ug/L	0.00
Standard Area 1 = 269604			Recovery =	86.22%		
63) Chlorobenzene-d5	18.262	117	193096	20.000	ug/L	0.00
Standard Area 1 = 217005			Recovery =	88.98%		
88) 1,4-Dichlorobenzene-d4	23.914	152	103479	20.000	ug/L	-0.01
Standard Area 1 = 117842			Recovery =	87.81%		
System Monitoring Compounds						
39) Dibromofluoromethane	9.921	113	64836	21.466	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	107.33%		
47) 1,2-Dichloroethane-d4	10.919	65	65223	21.264	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	106.32%		
65) Toluene-d8	14.893	98	241582	20.033	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	100.17%		
92) 4-Bromofluorobenzene	21.098	95	98030	19.460	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	97.30%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
4) Chloromethane	0.000		0	N.D.	d	
5) Vinyl chloride	0.000		0	N.D.		
6) Bromomethane	3.989	94	92	N.D.		
7) Chloroethane	0.000		0	N.D.		
8) Trichlorofluoromethane	0.000		0	N.D.		
9) Ethyl ether	0.000		0	N.D.		
11) 1,1-Dichloroethene	0.000		0	N.D.		
12) Carbon disulfide	6.594	76	6194	0.881	ug/L #	82
17) Methylene chloride	6.597	84	231	N.D.		
19) Acetone	5.498	43	4257M1	3.527	ug/L	
20) trans-1,2-Dichloroethene	0.000		0	N.D.		
23) Methyl tert-butyl ether	0.000		0	N.D.		
26) 1,1-Dichloroethane	0.000		0	N.D.		
28) Acrylonitrile	0.000		0	N.D.		
30) Vinyl acetate	0.000		0	N.D.		
31) cis-1,2-Dichloroethene	0.000		0	N.D.		
32) 2,2-Dichloropropane	0.000		0	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
35) Chloroform	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A07.D
Acq On : 29 Sep 2020 12:47
Operator : VOA126:AD
Sample : l2040316-02,31,5.26,5,,y
Misc : WG1416109,ICAL16859
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 29 21:35:48 2020
Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200929A\V26200929A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0		N.D.	
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	8.864	43	40		N.D.	
43) 1,1-Dichloropropene	0.000		0		N.D.	
45) Benzene	0.000		0		N.D.	
48) 1,2-Dichloroethane	0.000		0		N.D.	
52) Trichloroethene	0.000		0		N.D.	
54) Dibromomethane	0.000		0		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
66) Toluene	15.060	92	59		N.D.	
67) 4-Methyl-2-pentanone	0.000		0		N.D.	
68) Tetrachloroethene	0.000		0		N.D.	
71) trans-1,3-Dichloropropene	0.000		0		N.D.	
75) 1,1,2-Trichloroethane	0.000		0		N.D.	
76) Chlorodibromomethane	0.000		0		N.D.	
77) 1,3-Dichloropropane	0.000		0		N.D.	
78) 1,2-Dibromoethane	0.000		0		N.D.	
80) 2-Hexanone	0.000		0		N.D.	
82) Chlorobenzene	0.000		0		N.D.	
83) Ethylbenzene	0.000		0		N.D.	
84) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
85) p/m Xylene	0.000		0		N.D.	
86) o Xylene	0.000		0		N.D.	
87) Styrene	19.740	104	122		N.D.	
89) Bromoform	0.000		0		N.D.	
91) Isopropylbenzene	0.000		0		N.D.	
93) Bromobenzene	0.000		0		N.D.	
95) n-Propylbenzene	0.000		0		N.D.	
97) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
98) 4-Ethyltoluene	21.722	105	29		N.D.	
99) 2-Chlorotoluene	0.000		0		N.D.	
100) 1,3,5-Trimethylbenzene	21.842	105	28		N.D.	
101) 1,2,3-Trichloropropane	0.000		0		N.D.	
102) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
103) 4-Chlorotoluene	0.000		0		N.D.	
104) tert-Butylbenzene	0.000		0		N.D.	

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A07.D
Acq On : 29 Sep 2020 12:47
Operator : VOA126:AD
Sample : l2040316-02,31,5.26,5,,y
Misc : WG1416109,ICAL16859
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 29 21:35:48 2020
Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200929A\V26200929A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107)	1,2,4-Trimethylbenzene	22.777	105	144	N.D.		
109)	sec-Butylbenzene	0.000		0	N.D.		
110)	p-Isopropyltoluene	23.527	119	80	N.D.		
111)	1,3-Dichlorobenzene	0.000		0	N.D.		
112)	1,4-Dichlorobenzene	0.000		0	N.D.		
115)	p-Diethylbenzene	0.000		0	N.D.		
116)	n-Butylbenzene	0.000		0	N.D.		
118)	1,2-Dichlorobenzene	0.000		0	N.D.		
120)	1,2,4,5-Tetramethylben...	0.000		0	N.D.		
121)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
124)	Hexachlorobutadiene	0.000		0	N.D.		
125)	1,2,4-Trichlorobenzene	0.000		0	N.D.		
126)	Naphthalene	28.683	128	440	N.D.		
127)	1,2,3-Trichlorobenzene	0.000		0	N.D.		

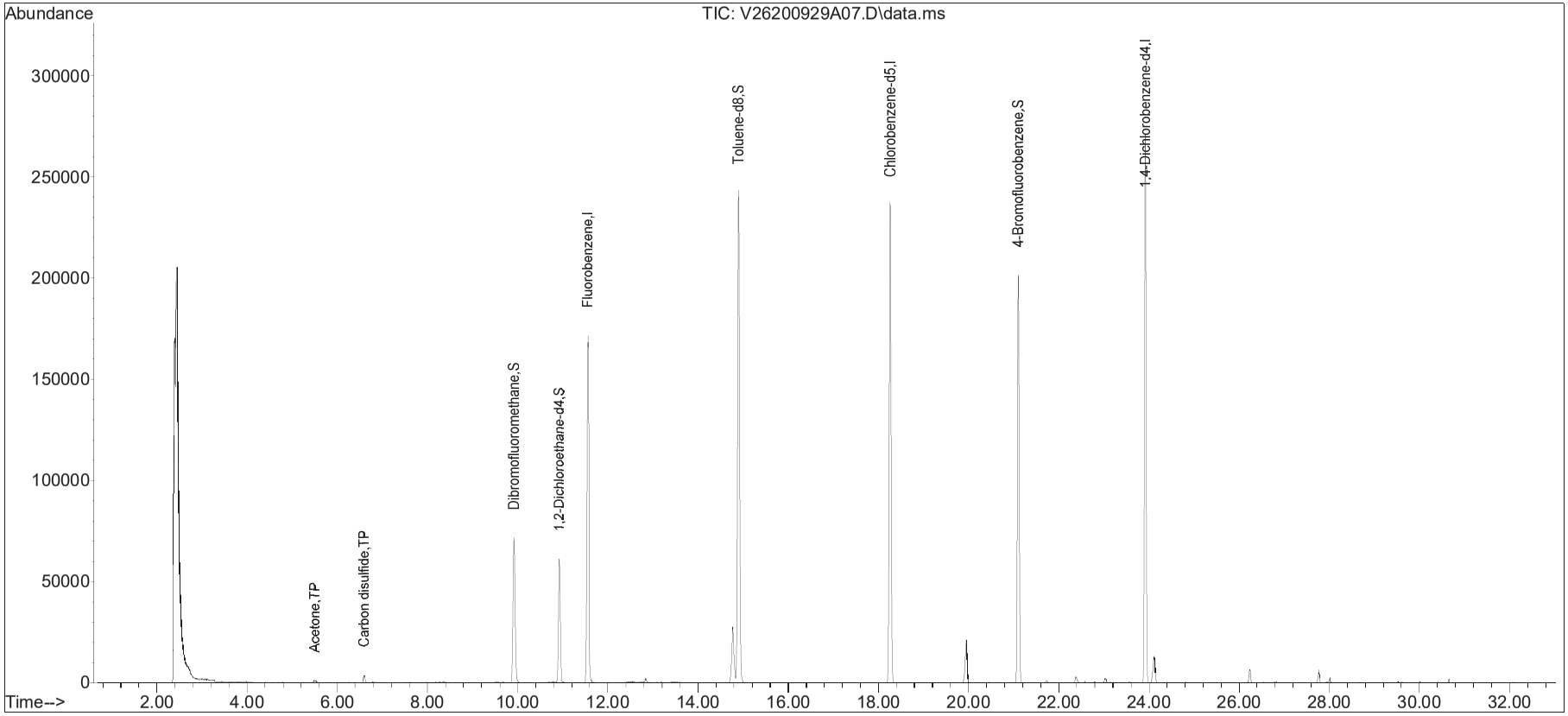
(#) = qualifier out of range (m) = manual integration (+) = signals summed

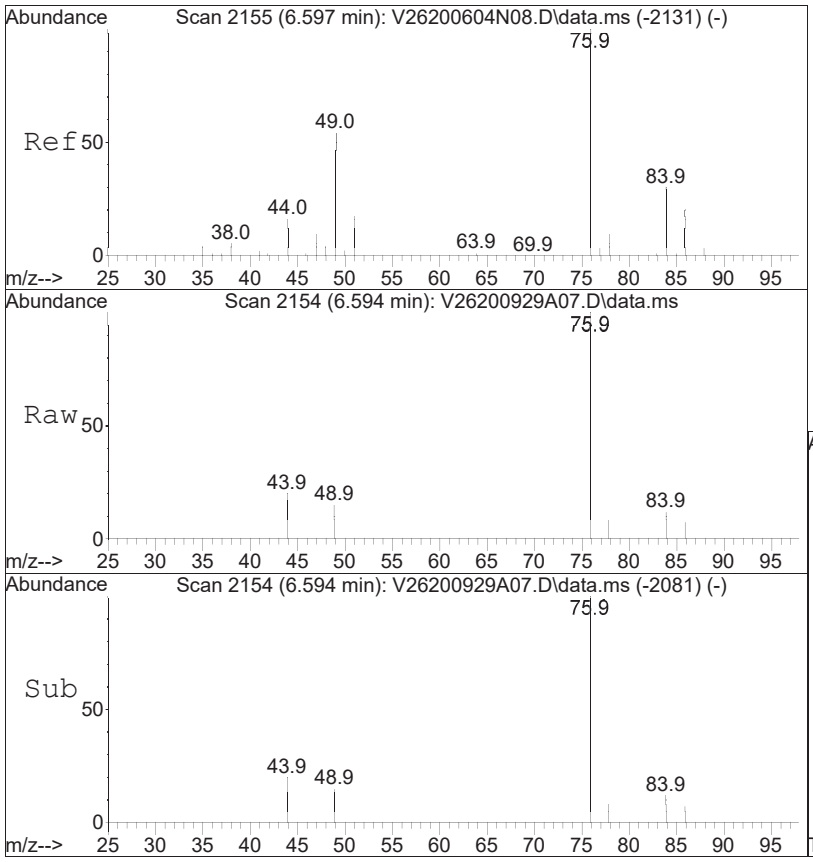
Quantitation Report (LSC Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A07.D
Acq On : 29 Sep 2020 12:47
Operator : VOA126:AD
Sample : l2040316-02,31,5.26,5,,y
Misc : WG1416109,ICAL16859
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 29 21:35:48 2020
Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox00929A\V26200929A01.D•

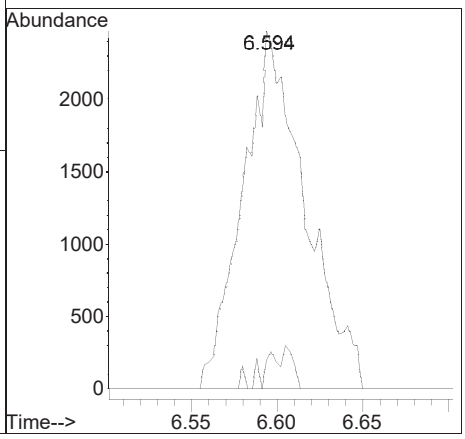


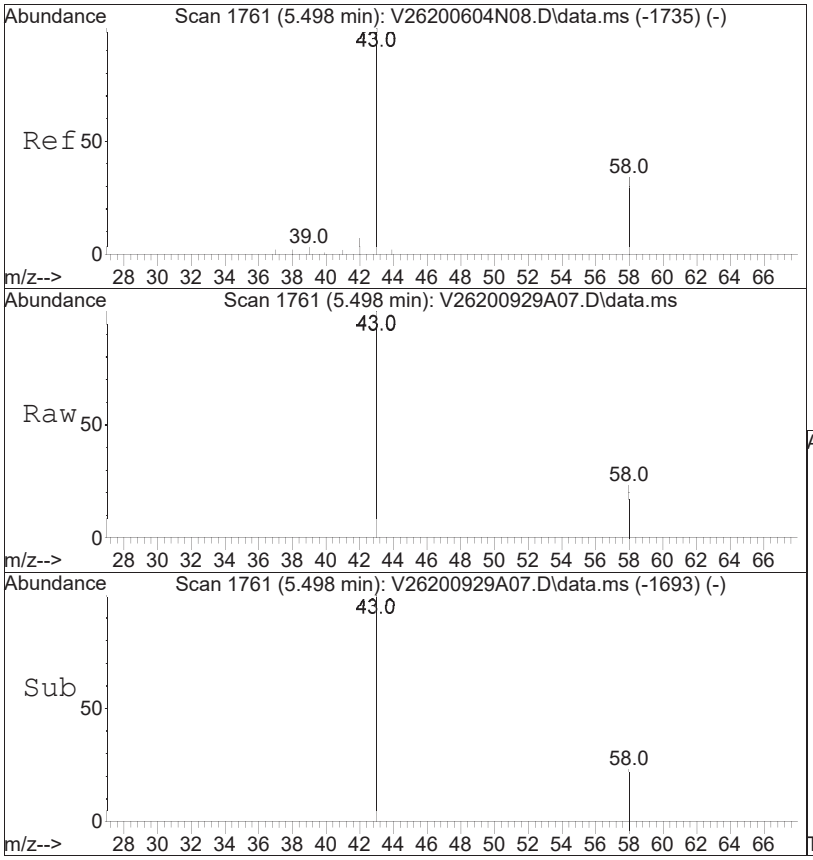


#12
Carbon disulfide
Concen: 0.88 ug/L
RT: 6.594 min Scan# 2154
Delta R.T. 0.003 min
Lab File: V26200929A07.D
Acq: 29 Sep 2020 12:47

Tgt Ion: 76 Resp: 6194

Ion	Ratio	Lower	Upper
76	100		
78	2.7	5.9	12.3#

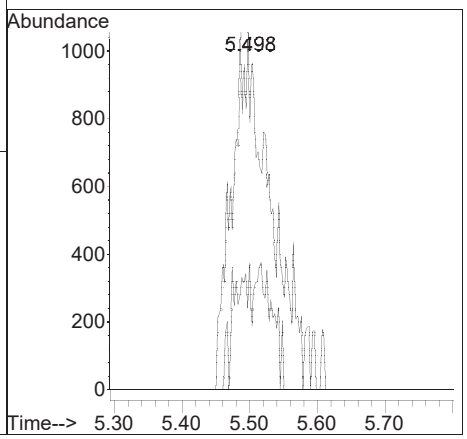




#19
Acetone
Concen: 3.53 ug/L M1
RT: 5.498 min Scan# 1761
Delta R.T. -0.009 min
Lab File: V26200929A07.D
Acq: 29 Sep 2020 12:47

Tgt Ion: 43 Resp: 4257

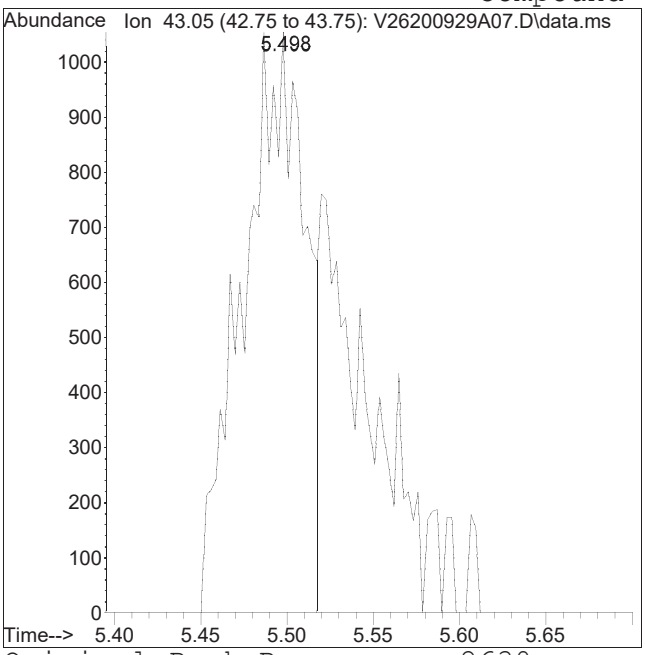
Ion	Ratio	Lower	Upper
43	100		
58	7.0	24.6	37.0#



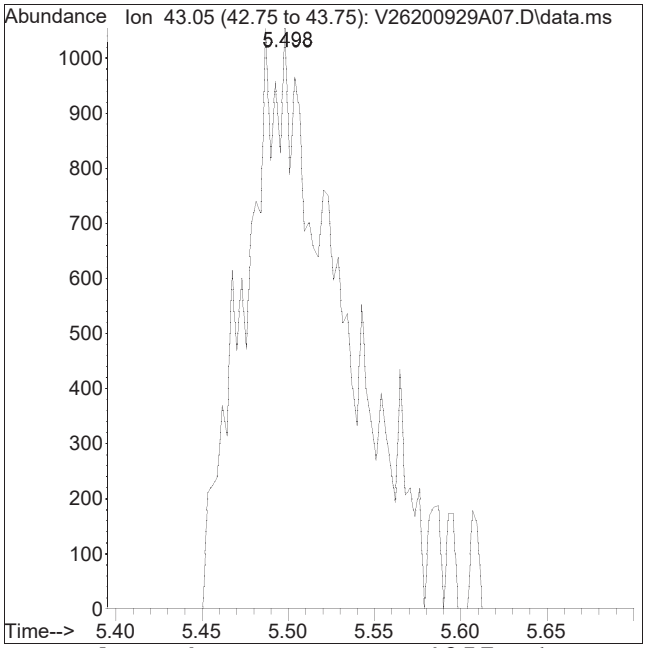
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200929A07.D Operator : VOA126:AD
Date Inj'd : 9/29/2020 12:47 Instrument : VOA126
Sample : l2040316-02,31,5.26,5,,y Quant Date : 9/29/2020 9:35 pm

Compound #19: Acetone



Original Peak Response = 2630



Manual Peak Response = 4257 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A07.D
Acq On : 29 Sep 2020 12:47
Operator : VOA126:AD
Sample : l2040316-02,31,5.26,5,,y
Misc : WG1416109,ICAL16859
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.1 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Title : VOLATILES BY GC/MS

Signal : TIC: V26200929A07.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.394	619	648	656	rBV	170265	497033	76.83%	12.712%
2	9.921	3325	3347	3387	rBV3	71608	209250	32.35%	5.352%
3	10.922	3686	3706	3735	rBV	61248	164431	25.42%	4.206%
4	11.558	3908	3934	3968	rBV2	171557	492495	76.13%	12.596%
5	14.781	5057	5090	5110	rBV4	27696	111808	17.28%	2.860%
6	14.896	5110	5131	5169	rVB	243277	646903	100.00%	16.545%
7	18.259	6316	6337	6362	rBV2	237383	582912	90.11%	14.909%
8	19.938	6916	6939	6966	rBB9	21238	70561	10.91%	1.805%
9	21.098	7333	7355	7378	rBB	201640	473223	73.15%	12.103%
10	23.914	8344	8365	8389	rBB2	271729	620370	95.90%	15.867%
11	24.107	8409	8434	8463	rBB	12780	40905	6.32%	1.046%

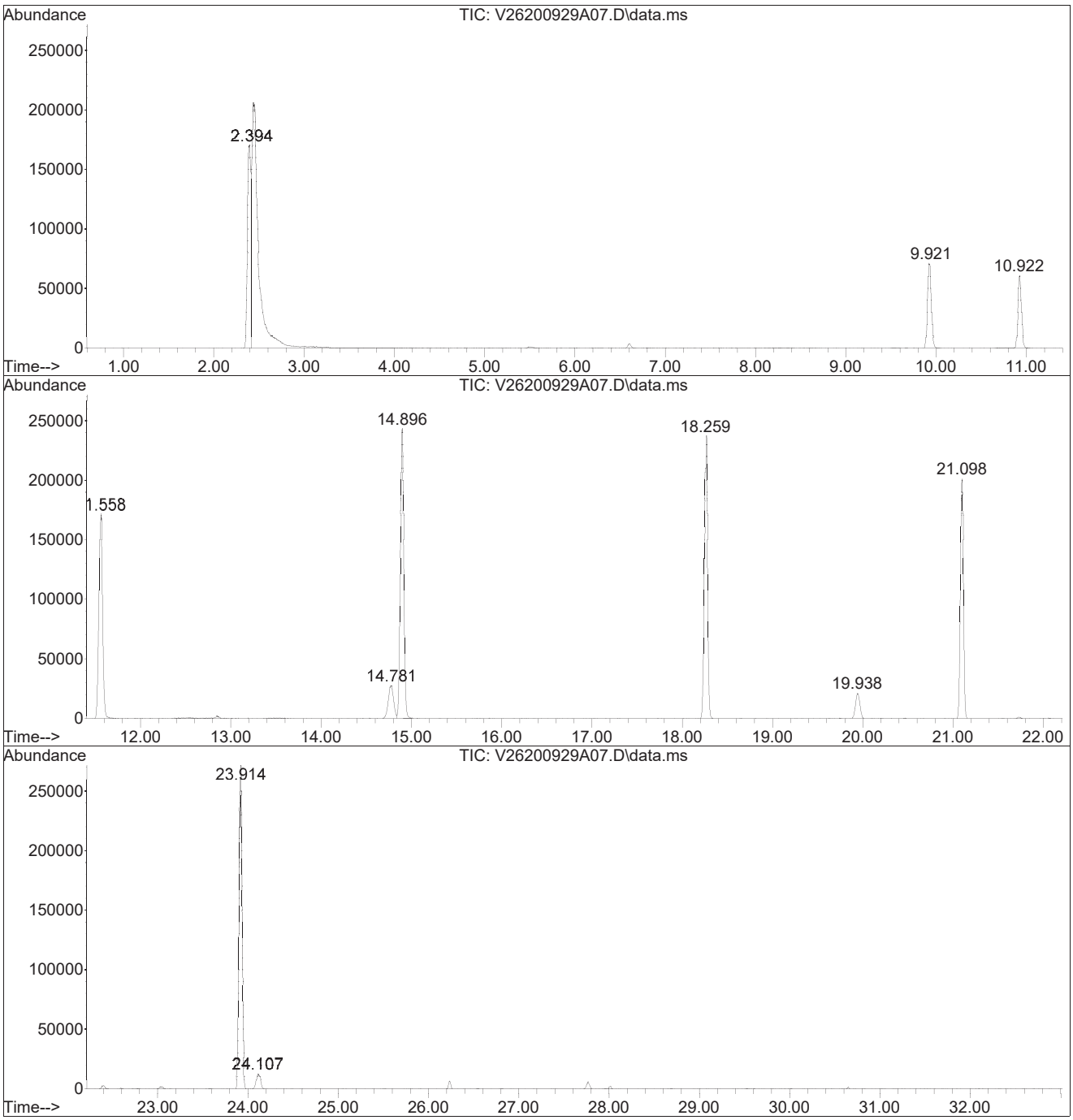
Sum of corrected areas: 3909891

LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A07.D
Acq On : 29 Sep 2020 12:47
Operator : VOA126:AD
Sample : l2040316-02,31,5.26,5,,y
Misc : WG1416109,ICAL16859
ALS Vial : 7 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A07.D
Acq On : 29 Sep 2020 12:47
Operator : VOA126:AD
Sample : l2040316-02,31,5.26,5,,y
Misc : WG1416109,ICAL16859
ALS Vial : 7 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS

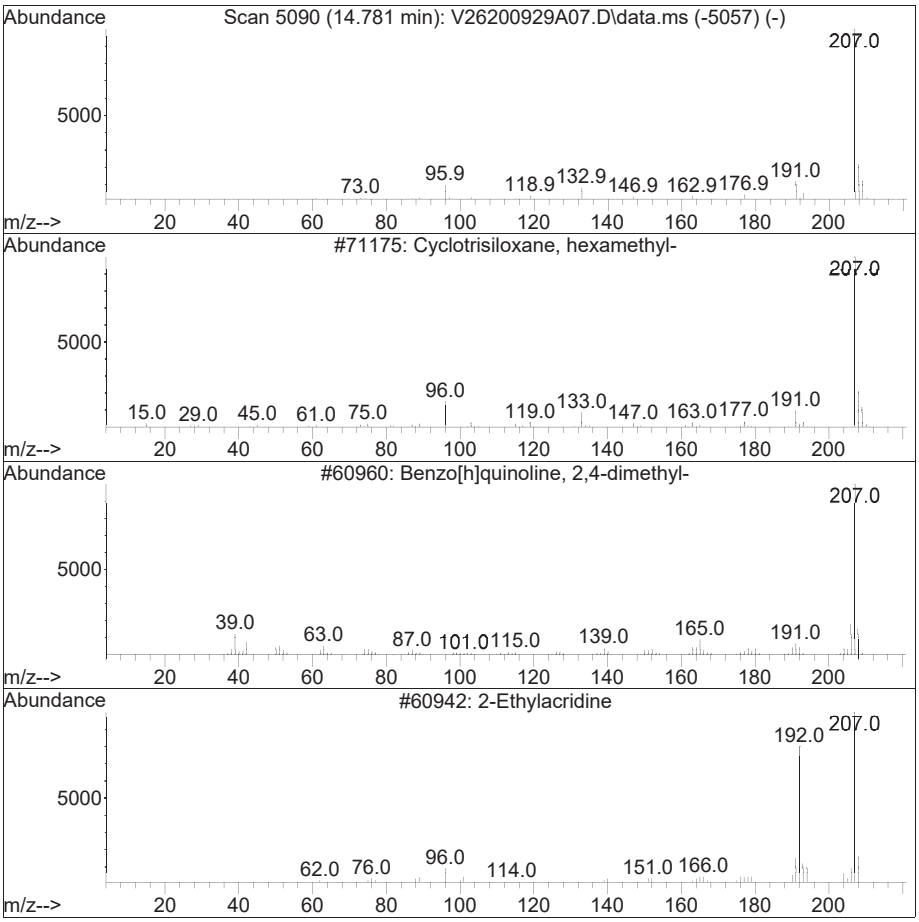
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

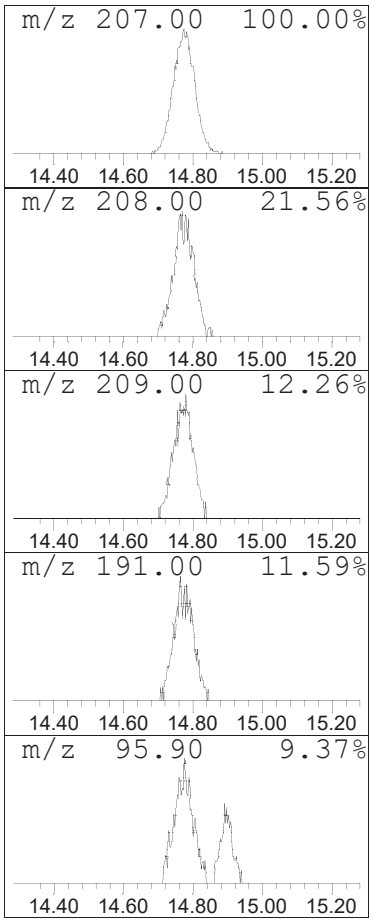
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Peak Number 2 Cyclotrisiloxane, hexamethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.781	4.54 ug/L	111808	Fluorobenzene	11.558

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	86
2	Benzo[h]quinoline, 2,4-dimethyl-	207	C15H13N	000605-67-4	38
3	2-Ethylacridine	207	C15H13N	055751-83-2	38
4	Phenylacetic acid, 2-(1-adamanty...	298	C20H26O2	1000282-91-2	36
5	2-Methyl-7-phenylindole	207	C15H13N	001140-08-5	9





Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A07.D
Acq On : 29 Sep 2020 12:47
Operator : VOA126:AD
Sample : l2040316-02,31,5.26,5,,y
Misc : WG1416109,ICAL16859
ALS Vial : 7 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS

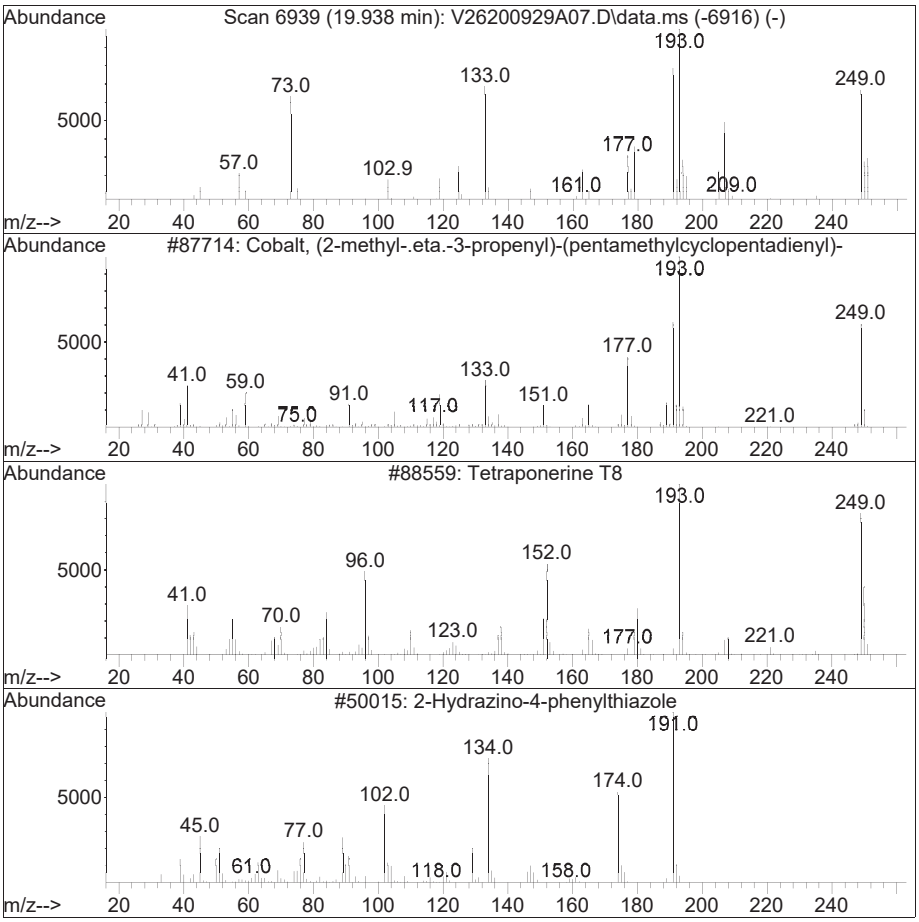
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

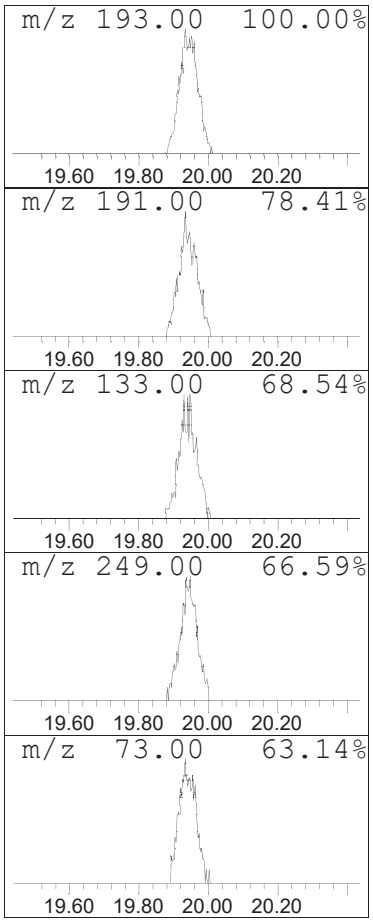
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Peak Number 3 Unknown Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.938	2.42 ug/L	70561	Chlorobenzene-d5	18.262

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cobalt, (2-methyl-.eta.-3-propen...	249	C14H22Co	1000157-04-3	40
2	Tetraponerine T8	250	C16H30N2	1000111-56-7	35
3	2-Hydrazino-4-phenylthiazole	191	C9H9N3S	021239-87-2	10
4	5H-Pyrido[1,2-c]pyrrolo[1,2-a]py...	250	C16H30N2	114530-39-1	10
5	Benzeneacetic acid, 3-hydroxy-4-...	250	C13H14O5	040992-07-2	10





Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A07.D
Acq On : 29 Sep 2020 12:47
Operator : VOA126:AD
Sample : l2040316-02,31,5.26,5,,y
Misc : WG1416109,ICAL16859
ALS Vial : 7 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclotrisiloxan...	14.781	4.5	ug/L	111808	1	11.558	492495	20.0
Unknown	19.938	2.4	ug/L	70561	2	18.262	582912	20.0

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Volatiles

Client	**: Soils Engineering Services, Inc.**	**Lab Number**	**: L2040316**
Project Name	**: CONEY ISLAND**	**Project Number**	**: 11404**
Instrument ID	**: VOA126**	**Ical Ref**	**: ICAL16859**
Calibration dates	**: 06/04/20 18:10 06/04/20 23:30**		

Calibration Files

L0 =V26200604N03.D L1 =V26200604N04.D L1.5=V26200604N05.D L2 =V26200604N06.D L3 =V26200604N07.D

L4 =V26200604N08.D L6 =V26200604N09.D L7 =V26200604N10.D L8 =V26200604N11.D

		Compound	L0	L1	L1.5	L2	L3	L4	L6	L7	L8	Avg	%RSD
1)	I	Fluorobenzene	ISTD										
2)	TP	Dichlorodifluo		0.144	0.137	0.120	0.142	0.157	0.163	0.168	0.160	0.149	10.97
3)	TP	Chlorodifluoro		0.421	0.384	0.362	0.346	0.356	0.370	0.368	0.349	0.370	6.55
4)	TP	Chloromethane			0.360	0.270	0.267	0.278	0.274	0.286	0.286	0.289	11.16
5)	TC	Vinyl chloride		0.226	0.222	0.179	0.215	0.231	0.224	0.225	0.207	0.216	7.66
6)	TP	Bromomethane			0.201	0.148	0.145	0.159	0.156	0.158	0.146	0.159	12.08
7)	TP	Chloroethane		0.160	0.179	0.144	0.161	0.182	0.178	0.175	0.165	0.168	7.64
8)	TP	Trichlorofluor		0.294	0.286	0.239	0.283	0.315	0.323	0.333	0.316	0.299	10.11
9)	TP	Ethyl ether		0.089	0.100	0.087	0.092	0.106	0.109	0.110	0.107	0.100	9.38
11)	TC	1,1-Dichloroet		0.181	0.183	0.150	0.172	0.192	0.196	0.200	0.189	0.183	8.70
12)	TP	Carbon disulfide				0.691	0.581	0.608	0.596	0.594	0.559	0.605	7.49
13)	TP	Freon-113		0.164	0.163	0.143	0.170	0.187	0.196	0.201	0.191	0.177	11.25
14)	TP	Iodomethane				0.115	0.140	0.193	0.216	0.200		*L	0.9950
15)	TP	Acrolein			0.036	0.029	0.032	0.038	0.039	0.039	0.039	0.036#	11.13
16)	TP	Allyl chloride		0.118	0.125	0.120	0.120	0.130	0.134	0.131	0.120	0.125	4.85
17)	TP	Methylene chlo			0.295	0.218	0.200	0.224	0.225	0.223	0.211	0.228	13.50
19)	TP	Acetone		0.203	0.141	0.099	0.067	0.070	0.066	0.061	0.057	*L	0.9974
20)	TP	trans-1,2-Dich		0.221	0.225	0.183	0.205	0.230	0.229	0.230	0.217	0.218	7.45
21)	TP	Methyl acetate		0.147	0.156	0.133	0.128	0.152	0.160	0.159	0.158	0.149	8.24
22)	TP	Hexane		0.529	0.476	0.459	0.458	0.476	0.499	0.505	0.477	0.485	5.00
23)	TP	Methyl tert butyl ether		0.476	0.513	0.430	0.455	0.528	0.545	0.549	0.534	0.504	8.87
24)	TP	tert-Butyl alc			0.023	0.020	0.019	0.024	0.025	0.025	0.026	0.023#	11.73
25)	TP	Diisopropyl ether		0.939	0.982	0.791	0.853	0.964	0.984	0.982	0.923	0.927	7.59
26)	TP	1,1-Dichloroet		0.487	0.498	0.403	0.424	0.480	0.483	0.479	0.453	0.463	7.27
27)	TP	Halothane		0.164	0.166	0.134	0.155	0.175	0.176	0.180	0.171	0.165	9.03
28)	TP	Acrylonitrile		0.057	0.078	0.063	0.068	0.079	0.081	0.079	0.078	0.073	12.18
29)	TP	Ethyl tert-but		0.777	0.811	0.669	0.723	0.831	0.865	0.872	0.836	0.798	8.90
30)	TP	Vinyl acetate		0.390	0.415	0.346	0.374	0.450	0.475	0.486	0.475	0.426	12.31
31)	TP	cis-1,2-Dichlo		0.263	0.266	0.212	0.222	0.245	0.248	0.251	0.235	0.243	7.76
32)	TP	2,2-Dichloropr		0.305	0.304	0.249	0.278	0.318	0.323	0.331	0.317	0.303	8.91
33)	TP	Bromochloromet		0.099	0.115	0.090	0.096	0.109	0.109	0.108	0.102	0.104	7.83
34)	TP	Cyclohexane		0.453	0.425	0.378	0.436	0.491	0.506	0.513	0.483	0.461	10.07
35)	TC	Chloroform		0.496	0.462	0.357	0.361	0.406	0.409	0.410	0.389	0.411	11.50
36)	TP	Ethyl acetate		0.171	0.194	0.157	0.164	0.193	0.197	0.195	0.193	0.183	8.82
37)	TP	Carbon tetrach		0.274	0.275	0.233	0.282	0.317	0.329	0.337	0.322	0.296	12.12
38)	TP	Tetrahydrofuran		0.058	0.059	0.050	0.050	0.059	0.061	0.061	0.061	0.057	8.22

Initial Calibration Summary
Form 6
Volatiles

Client	**: Soils Engineering Services, Inc.**	**Lab Number**	**: L2040316**
Project Name	**: CONEY ISLAND**	**Project Number**	**: 11404**
Instrument ID	**: VOA126**	**Ical Ref**	**: ICAL16859**
Calibration dates	**: 06/04/20 18:10 06/04/20 23:30**		

Calibration Files

L0 =V26200604N03.D L1 =V26200604N04.D L1.5=V26200604N05.D L2 =V26200604N06.D L3 =V26200604N07.D

L4 =V26200604N08.D L6 =V26200604N09.D L7 =V26200604N10.D L8 =V26200604N11.D

		Compound	L0	L1	L1.5	L2	L3	L4	L6	L7	L8	Avg	%RSD
39)	S	Dibromofluoromethane	0.261	0.257	0.263	0.261	0.258	0.260	0.261	0.261	0.257	0.260	0.74
40)	TP	1,1,1-Trichloroethane	0.294	0.335	0.361	0.287	0.320	0.362	0.366	0.370	0.353	0.339	9.36
42)	TP	2-Butanone		0.085	0.088	0.078	0.076	0.090	0.093	0.092	0.093	0.087#	7.72
43)	TP	1,1-Dichloropropene	0.272	0.278	0.275	0.228	0.263	0.298	0.301	0.306	0.292	0.279	8.67
44)	TP	Heptane		0.231	0.229	0.221	0.214	0.225	0.230	0.239	0.228	0.227	3.22
45)	TP	Benzene	0.920	0.974	0.953	0.756	0.795	0.902	0.903	0.901	0.843	0.883	8.13
46)	TP	Tertiary-Amyl Methyl Ether		0.515	0.546	0.456	0.493	0.571	0.598	0.607	0.588	0.547	9.91
47)	S	1,2-Dichloroethane-d4	0.265	0.258	0.262	0.261	0.256	0.262	0.269	0.265	0.278	0.264	2.49
48)	TP	1,2-Dichloroet		0.342	0.344	0.275	0.282	0.320	0.326	0.326	0.309	0.315	8.09
51)	TP	Methyl cyclohe		0.318	0.306	0.271	0.321	0.359	0.375	0.384	0.368	0.338	11.78
52)	TP	Trichloroethene	0.208	0.245	0.241	0.193	0.213	0.242	0.244	0.246	0.235	0.230	8.59
54)	TP	Dibromomethane		0.117	0.127	0.106	0.108	0.123	0.126	0.126	0.122	0.119	6.97
55)	TC	1,2-Dichloropr		0.283	0.282	0.229	0.245	0.281	0.286	0.287	0.272	0.271	8.02
57)	TP	2-Chloroethyl					0.090	0.114	0.127	0.132	0.131	0.119	14.78
58)	TP	Bromodichloromethane	0.272	0.301	0.300	0.248	0.267	0.309	0.322	0.325	0.311	0.295	9.01
60)	TP	Methyl methacr		0.118	0.118	0.112	0.123	0.128	0.134	0.134	0.133	0.125	6.81
61)	TP	1,4-Dioxane		0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002#	13.08
62)	TP	cis-1,3-Dichloropropene	0.318	0.321	0.331	0.277	0.299	0.349	0.367	0.373	0.357	0.332	9.68
63)	I	Chlorobenzene-d5	----------ISTD----------										
64)	TP	Octane		0.255	0.251	0.243	0.263	0.282	0.287	0.306	0.301	0.273	8.72
65)	S	Toluene-d8	1.248	1.252	1.242	1.245	1.253	1.253	1.241	1.252	1.255	1.249	0.42
66)	TC	Toluene		0.769	0.726	0.569	0.624	0.695	0.694	0.699	0.666	0.680	9.06
67)	TP	4-Methyl-2-pen		0.090	0.090	0.082	0.089	0.105	0.110	0.112	0.113	0.099#	12.39
68)	TP	Tetrachloroethene	0.295	0.307	0.307	0.251	0.275	0.299	0.294	0.299	0.287	0.290	6.17
69)	TP	2-Nitropropane		0.044	0.045	0.042	0.046	0.049	0.053	0.057	0.059	0.049	12.47
71)	TP	trans-1,3-Dich		0.317	0.329	0.268	0.297	0.349	0.365	0.376	0.368	0.334	11.45
72)	TP	Methyl isothio				0.086	0.109	0.125	0.141	0.146	0.151	*L	0.9979
74)	TP	Ethyl methacry		0.227	0.233	0.208	0.239	0.285	0.293	0.296	0.290	0.259	13.78
75)	TP	1,1,2-Trichlor		0.167	0.175	0.149	0.154	0.175	0.179	0.181	0.177	0.170	7.22
76)	TP	Chlorodibromomethane	0.202	0.227	0.243	0.203	0.225	0.267	0.280	0.285	0.279	0.246	13.54
77)	TP	1,3-Dichloropr		0.356	0.364	0.296	0.314	0.361	0.369	0.370	0.361	0.349	8.00
78)	TP	1,2-Dibromoethane		0.185	0.192	0.161	0.175	0.203	0.210	0.215	0.209	0.194	9.82
79)	TP	n-Butyl Acetate		0.427	0.427	0.399	0.461	0.476	0.480	0.467	0.456	0.449	6.35
80)	TP	2-Hexanone		0.159	0.154	0.138	0.150	0.175	0.184	0.182	0.184	0.166	10.71
81)	TP	Nonane		0.622	0.618	0.570	0.608	0.678	0.701	0.760	0.740	0.662	10.29
82)	TP	Chlorobenzene	0.791	0.855	0.825	0.652	0.683	0.769	0.772	0.772	0.733	0.761	8.40

Initial Calibration Summary
Form 6
Volatiles

Client	**: Soils Engineering Services, Inc.**	**Lab Number**	**: L2040316**
Project Name	**: CONEY ISLAND**	**Project Number**	**: 11404**
Instrument ID	**: VOA126**	**Ical Ref**	**: ICAL16859**
Calibration dates	**: 06/04/20 18:10 06/04/20 23:30**		

Calibration Files
L0 =V26200604N03.D L1 =V26200604N04.D L1.5=V26200604N05.D L2 =V26200604N06.D L3 =V26200604N07.D
L4 =V26200604N08.D L6 =V26200604N09.D L7 =V26200604N10.D L8 =V26200604N11.D

		Compound	L0	L1	L1.5	L2	L3	L4	L6	L7	L8	Avg	%RSD
83)	TC	Ethylbenzene		1.369	1.358	1.068	1.196	1.343	1.324	1.324	1.249	1.279	8.09
84)	TP	1,1,1,2-Tetrachloroethane	0.209	0.261	0.254	0.215	0.241	0.275	0.283	0.286	0.273	0.255	11.09
85)	TP	p/m Xylene	0.476	0.530	0.519	0.413	0.466	0.517	0.511	0.507	0.476	0.491	7.50
86)	TP	o Xylene	0.431	0.484	0.493	0.401	0.443	0.497	0.496	0.492	0.462	0.467	7.42
87)	TP	Styrene	0.724	0.783	0.805	0.659	0.736	0.838	0.842	0.827	0.774	0.776	7.84
88)	I	1,4-Dichlorobenzene-d4	----------ISTD----------										
89)	TP	Bromoform		0.251	0.261	0.223	0.248	0.295	0.311	0.319	0.315	0.278	13.22
91)	TP	Isopropylbenzene		2.516	2.456	1.988	2.292	2.535	2.504	2.530	2.414	2.404	7.77
92)	S	4-Bromofluorobenzene	0.964	0.964	0.973	0.977	0.977	0.979	0.978	0.967	0.986	0.974	0.77
93)	TP	Bromobenzene		0.610	0.640	0.511	0.536	0.600	0.597	0.600	0.574	0.583	7.17
94)	TP	Decane		1.497	1.440	1.309	1.385	1.545	1.618	1.691	1.597	1.510	8.46
95)	TP	n-Propylbenzene		3.004	2.982	2.362	2.720	3.007	2.979	3.000	2.844	2.862	7.91
96)	TP	1,4-Dichlorobu		0.830	0.894	0.730	0.749	0.859	0.871	0.878	0.855	0.833	7.31
97)	TP	1,1,2,2-Tetrachloroethane	0.423	0.456	0.484	0.407	0.423	0.488	0.494	0.501	0.498	0.464	7.99
98)	TP	4-Ethyltoluene		2.497	2.502	1.951	2.240	2.497	2.470	2.512	2.382	2.381	8.26
99)	TP	2-Chlorotoluene		2.036	2.024	1.610	1.771	1.967	1.943	1.952	1.851	1.894	7.61
100)	TP	1,3,5-Trimethy		2.075	2.161	1.685	1.909	2.125	2.087	2.111	1.995	2.019	7.76
101)	TP	1,2,3-Trichlor		0.349	0.366	0.306	0.317	0.359	0.362	0.364	0.363	0.348	6.69
102)	TP	trans-1,4-Dich		0.144	0.149	0.129	0.135	0.163	0.173	0.178	0.175	0.156	12.18
103)	TP	4-Chlorotoluene		1.922	1.950	1.511	1.642	1.825	1.823	1.830	1.744	1.781	8.17
104)	TP	tert-Butylbenzene		1.697	1.703	1.412	1.635	1.827	1.814	1.843	1.745	1.709	8.22
107)	TP	1,2,4-Trimethy		2.118	2.158	1.683	1.904	2.102	2.092	2.125	1.999	2.023	7.90
108)	TP	Limonene				0.608	0.704	0.759	0.804	0.829	0.790	0.749	10.86
109)	TP	sec-Butylbenzene		2.581	2.565	2.076	2.461	2.734	2.720	2.768	2.604	2.564	8.67
110)	TP	p-Isopropyltol		2.243	2.270	1.818	2.110	2.348	2.320	2.355	2.203	2.208	8.05
111)	TP	1,3-Dichlorobe		1.281	1.268	0.981	1.058	1.189	1.188	1.196	1.120	1.160	8.82
112)	TP	1,4-Dichlorobe		1.268	1.252	0.982	1.052	1.171	1.170	1.178	1.101	1.147	8.47
113)	TP	trans-Decahydr		0.610	0.620	0.570	0.593	0.632	0.646	0.679	0.650	0.625	5.51
114)	TP	Undecane		1.594	1.499	1.345	1.426	1.608	1.608	1.541	1.368	1.498	7.16
115)	TP	p-Diethylbenzene		1.411	1.454	1.107	1.286	1.436	1.403	1.402	1.308	1.351	8.52
116)	TP	n-Butylbenzene		2.612	2.639	2.082	2.405	2.668	2.610	2.627	2.455	2.512	7.86
117)	TP	Hexachloroethane		0.403	0.395	0.373	0.433	0.458	0.481	0.493	0.469	0.438	10.06
118)	TP	1,2-Dichlorobe		1.114	1.115	0.901	0.949	1.076	1.078	1.085	1.020	1.042	7.60
119)	TP	cis-Decahydron		0.472	0.468	0.423	0.464	0.505	0.517	0.534	0.514	0.487	7.47
120)	TP	1,2,4,5-Tetram		1.915	2.010	1.648	1.913	2.211	2.180	2.165	2.065	2.013	9.31
121)	TP	1,2-Dibromo-3-			0.068	0.057	0.062	0.078	0.081	0.083	0.083	0.073	14.57

Initial Calibration Summary
Form 6
Volatiles

Client	**: Soils Engineering Services, Inc.**	**Lab Number**	**: L2040316**
Project Name	**: CONEY ISLAND**	**Project Number**	**: 11404**
Instrument ID	**: VOA126**	**Ical Ref**	**: ICAL16859**
Calibration dates	**: 06/04/20 18:10 06/04/20 23:30**		

Calibration Files

L0 =V26200604N03.D L1 =V26200604N04.D L1.5=V26200604N05.D L2 =V26200604N06.D L3 =V26200604N07.D

L4 =V26200604N08.D L6 =V26200604N09.D L7 =V26200604N10.D L8 =V26200604N11.D

	Compound	L0	L1	L1.5	L2	L3	L4	L6	L7	L8	Avg	%RSD
122) TP	1,3,5-Trichlor		0.866	0.865	0.663	0.747	0.855	0.819	0.823	0.778	0.802	8.75
123) TP	Nitrobenzene				0.020	0.026	0.030	0.033	0.036	0.039	*L	0.9947
124) TP	Hexachlorobuta		0.386	0.386	0.286	0.359	0.398	0.382	0.398	0.387	0.373	9.95
125) TP	1,2,4-Trichlor		0.803	0.785	0.592	0.670	0.771	0.730	0.742	0.706	0.725	9.50
126) TP	Naphthalene		1.544	1.560	1.241	1.342	1.604	1.554	1.566	1.529	1.493	8.63
127) TP	1,2,3-Trichlor		0.686	0.694	0.556	0.594	0.678	0.650	0.661	0.632	0.644	7.48

Response Factor Report VOA126

Method Path : I:\VOLATILES\VOA126\2020\200604N\
Method File : V126_200604N_8260Suff.m
Title : VOLATILES BY GC/MS
Last Update : Fri Jun 05 12:39:47 2020
Response Via : Initial Calibration

Calibration Files
L0 =V26200604N03.D L1 =V26200604N04.D L1.5=V26200604N05.D L2 =V26200604N06.D L3 =V26200604N07.D
L4 =V26200604N08.D L6 =V26200604N09.D L7 =V26200604N10.D L8 =V26200604N11.D

		Compound	L0	L1	L1.5	L2	L3	L4	L6	L7	L8	Avg	%RSD
1)	I	Fluorobenzene	ISTD										
2)	TP	Dichlorodifluo...	0.144	0.137	0.120	0.142	0.157	0.163	0.168	0.160	0.149		10.97
3)	TP	Chlorodifluoro...	0.421	0.384	0.362	0.346	0.356	0.370	0.368	0.349	0.370		6.55
4)	TP	Chloromethane		0.360	0.270	0.267	0.278	0.274	0.286	0.286	0.289		11.16
5)	TC	Vinyl chloride	0.226	0.222	0.179	0.215	0.231	0.224	0.225	0.207	0.216		7.66
6)	TP	Bromomethane		0.201	0.148	0.145	0.159	0.156	0.158	0.146	0.159		12.08
7)	TP	Chloroethane	0.160	0.179	0.144	0.161	0.182	0.178	0.175	0.165	0.168		7.64
8)	TP	Trichlorofluor...	0.294	0.286	0.239	0.283	0.315	0.323	0.333	0.316	0.299		10.11
9)	TP	Ethyl ether	0.089	0.100	0.087	0.092	0.106	0.109	0.110	0.107	0.100		9.38
11)	TC	1,1-Dichloroet...	0.181	0.183	0.150	0.172	0.192	0.196	0.200	0.189	0.183		8.70
12)	TP	Carbon disulfide			0.691	0.581	0.608	0.596	0.594	0.559	0.605		7.49
13)	TP	Freon-113	0.164	0.163	0.143	0.170	0.187	0.196	0.201	0.191	0.177		11.25
14)	TP	Iodomethane			0.115	0.140	0.193	0.216	0.200		*L		0.9950
15)	TP	Acrolein		0.036	0.029	0.032	0.038	0.039	0.039	0.039	0.036#		11.13
16)	TP	Allyl chloride	0.118	0.125	0.120	0.120	0.130	0.134	0.131	0.120	0.125		4.85
17)	TP	Methylene chlo...		0.295	0.218	0.200	0.224	0.225	0.223	0.211	0.228		13.50
19)	TP	Acetone	0.203	0.141	0.099	0.067	0.070	0.066	0.061	0.057	*L		0.9974
20)	TP	trans-1,2-Dich...	0.221	0.225	0.183	0.205	0.230	0.229	0.230	0.217	0.218		7.45
21)	TP	Methyl acetate	0.147	0.156	0.133	0.128	0.152	0.160	0.159	0.158	0.149		8.24
22)	TP	Hexane	0.529	0.476	0.459	0.458	0.476	0.499	0.505	0.477	0.485		5.00
23)	TP	Methyl tert-bu...	0.476	0.513	0.430	0.455	0.528	0.545	0.549	0.534	0.504		8.87
24)	TP	tert-Butyl alc...		0.023	0.020	0.019	0.024	0.025	0.025	0.026	0.023#		11.73
25)	TP	Diisopropyl ether	0.939	0.982	0.791	0.853	0.964	0.984	0.982	0.923	0.927		7.59
26)	TP	1,1-Dichloroet...	0.487	0.498	0.403	0.424	0.480	0.483	0.479	0.453	0.463		7.27
27)	TP	Halothane	0.164	0.166	0.134	0.155	0.175	0.176	0.180	0.171	0.165		9.03
28)	TP	Acrylonitrile	0.057	0.078	0.063	0.068	0.079	0.081	0.079	0.078	0.073		12.18
29)	TP	Ethyl tert-but...	0.777	0.811	0.669	0.723	0.831	0.865	0.872	0.836	0.798		8.90
30)	TP	Vinyl acetate	0.390	0.415	0.346	0.374	0.450	0.475	0.486	0.475	0.426		12.31
31)	TP	cis-1,2-Dichlo...	0.263	0.266	0.212	0.222	0.245	0.248	0.251	0.235	0.243		7.76
32)	TP	2,2-Dichloropr...	0.305	0.304	0.249	0.278	0.318	0.323	0.331	0.317	0.303		8.91
33)	TP	Bromochloromet...	0.099	0.115	0.090	0.096	0.109	0.109	0.108	0.102	0.104		7.83

Response Factor Report VOA126

Method Path : I:\VOLATILES\VOA126\2020\200604N\
Method File : V126_200604N_8260Suff.m
Title : VOLATILES BY GC/MS
Last Update : Fri Jun 05 12:39:47 2020
Response Via : Initial Calibration

Calibration Files
L0 =V26200604N03.D L1 =V26200604N04.D L1.5=V26200604N05.D L2 =V26200604N06.D L3 =V26200604N07.D
L4 =V26200604N08.D L6 =V26200604N09.D L7 =V26200604N10.D L8 =V26200604N11.D

		Compound	L0	L1	L1.5	L2	L3	L4	L6	L7	L8	Avg	%RSD
34)	TP	Cyclohexane		0.453	0.425	0.378	0.436	0.491	0.506	0.513	0.483	0.461	10.07
35)	TC	Chloroform		0.496	0.462	0.357	0.361	0.406	0.409	0.410	0.389	0.411	11.50
36)	TP	Ethyl acetate		0.171	0.194	0.157	0.164	0.193	0.197	0.195	0.193	0.183	8.82
37)	TP	Carbon tetrach...		0.274	0.275	0.233	0.282	0.317	0.329	0.337	0.322	0.296	12.12
38)	TP	Tetrahydrofuran		0.058	0.059	0.050	0.050	0.059	0.061	0.061	0.061	0.057	8.22
39)	S	Dibromofluorom...	0.261	0.257	0.263	0.261	0.258	0.260	0.261	0.261	0.257	0.260	0.74
40)	TP	1,1,1-Trichlor...	0.294	0.335	0.361	0.287	0.320	0.362	0.366	0.370	0.353	0.339	9.36
42)	TP	2-Butanone		0.085	0.088	0.078	0.076	0.090	0.093	0.092	0.093	0.087#	7.72
43)	TP	1,1-Dichloropr...	0.272	0.278	0.275	0.228	0.263	0.298	0.301	0.306	0.292	0.279	8.67
44)	TP	Heptane		0.231	0.229	0.221	0.214	0.225	0.230	0.239	0.228	0.227	3.22
45)	TP	Benzene	0.920	0.974	0.953	0.756	0.795	0.902	0.903	0.901	0.843	0.883	8.13
46)	TP	tert-Amyl meth...		0.515	0.546	0.456	0.493	0.571	0.598	0.607	0.588	0.547	9.91
47)	S	1,2-Dichloroet...	0.265	0.258	0.262	0.261	0.256	0.262	0.269	0.265	0.278	0.264	2.49
48)	TP	1,2-Dichloroet...		0.342	0.344	0.275	0.282	0.320	0.326	0.326	0.309	0.315	8.09
51)	TP	Methyl cyclohe...		0.318	0.306	0.271	0.321	0.359	0.375	0.384	0.368	0.338	11.78
52)	TP	Trichloroethene	0.208	0.245	0.241	0.193	0.213	0.242	0.244	0.246	0.235	0.230	8.59
54)	TP	Dibromomethane		0.117	0.127	0.106	0.108	0.123	0.126	0.126	0.122	0.119	6.97
55)	TC	1,2-Dichloropr...		0.283	0.282	0.229	0.245	0.281	0.286	0.287	0.272	0.271	8.02
57)	TP	2-Chloroethyl ...					0.090	0.114	0.127	0.132	0.131	0.119	14.78
58)	TP	Bromodichlorom...	0.272	0.301	0.300	0.248	0.267	0.309	0.322	0.325	0.311	0.295	9.01
60)	TP	Methyl methacr...		0.118	0.118	0.112	0.123	0.128	0.134	0.134	0.133	0.125	6.81
61)	TP	1,4-Dioxane		0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002#	13.08
62)	TP	cis-1,3-Dichlo...	0.318	0.321	0.331	0.277	0.299	0.349	0.367	0.373	0.357	0.332	9.68
63)	I	Chlorobenzene-d5	----------ISTD----------										
64)	TP	Octane		0.255	0.251	0.243	0.263	0.282	0.287	0.306	0.301	0.273	8.72
65)	S	Toluene-d8	1.248	1.252	1.242	1.245	1.253	1.253	1.241	1.252	1.255	1.249	0.42
66)	TC	Toluene		0.769	0.726	0.569	0.624	0.695	0.694	0.699	0.666	0.680	9.06
67)	TP	4-Methyl-2-pen...		0.090	0.090	0.082	0.089	0.105	0.110	0.112	0.113	0.099#	12.39
68)	TP	Tetrachloroethene	0.295	0.307	0.307	0.251	0.275	0.299	0.294	0.299	0.287	0.290	6.17
69)	TP	2-Nitropropane		0.044	0.045	0.042	0.046	0.049	0.053	0.057	0.059	0.049	12.47
71)	TP	trans-1,3-Dich...		0.317	0.329	0.268	0.297	0.349	0.365	0.376	0.368	0.334	11.45

Response Factor Report VOA126

Method Path : I:\VOLATILES\VOA126\2020\200604N\
Method File : V126_200604N_8260Suff.m
Title : VOLATILES BY GC/MS
Last Update : Fri Jun 05 12:39:47 2020
Response Via : Initial Calibration

Calibration Files
L0 =V26200604N03.D L1 =V26200604N04.D L1.5=V26200604N05.D L2 =V26200604N06.D L3 =V26200604N07.D
L4 =V26200604N08.D L6 =V26200604N09.D L7 =V26200604N10.D L8 =V26200604N11.D

		Compound	L0	L1	L1.5	L2	L3	L4	L6	L7	L8	Avg	%RSD
72)	TP	Methyl isothio...			0.086	0.109	0.125	0.141	0.146	0.151	*L	0.9979	
74)	TP	Ethyl methacry...		0.227	0.233	0.208	0.239	0.285	0.293	0.296	0.290	0.259	13.78
75)	TP	1,1,2-Trichlor...		0.167	0.175	0.149	0.154	0.175	0.179	0.181	0.177	0.170	7.22
76)	TP	Chlorodibromom...	0.202	0.227	0.243	0.203	0.225	0.267	0.280	0.285	0.279	0.246	13.54
77)	TP	1,3-Dichloropr...		0.356	0.364	0.296	0.314	0.361	0.369	0.370	0.361	0.349	8.00
78)	TP	1,2-Dibromoethane		0.185	0.192	0.161	0.175	0.203	0.210	0.215	0.209	0.194	9.82
79)	TP	n-Butyl Acetate		0.427	0.427	0.399	0.461	0.476	0.480	0.467	0.456	0.449	6.35
80)	TP	2-Hexanone		0.159	0.154	0.138	0.150	0.175	0.184	0.182	0.184	0.166	10.71
81)	TP	Nonane		0.622	0.618	0.570	0.608	0.678	0.701	0.760	0.740	0.662	10.29
82)	TP	Chlorobenzene	0.791	0.855	0.825	0.652	0.683	0.769	0.772	0.772	0.733	0.761	8.40
83)	TC	Ethylbenzene		1.369	1.358	1.068	1.196	1.343	1.324	1.324	1.249	1.279	8.09
84)	TP	1,1,1,2-Tetrac...	0.209	0.261	0.254	0.215	0.241	0.275	0.283	0.286	0.273	0.255	11.09
85)	TP	p/m Xylene	0.476	0.530	0.519	0.413	0.466	0.517	0.511	0.507	0.476	0.491	7.50
86)	TP	o Xylene	0.431	0.484	0.493	0.401	0.443	0.497	0.496	0.492	0.462	0.467	7.42
87)	TP	Styrene	0.724	0.783	0.805	0.659	0.736	0.838	0.842	0.827	0.774	0.776	7.84
88)	I	1,4-Dichlorobenzene-d4	----------ISTD----------										
89)	TP	Bromoform		0.251	0.261	0.223	0.248	0.295	0.311	0.319	0.315	0.278	13.22
91)	TP	Isopropylbenzene		2.516	2.456	1.988	2.292	2.535	2.504	2.530	2.414	2.404	7.77
92)	S	4-Bromofluorob...	0.964	0.964	0.973	0.977	0.977	0.979	0.978	0.967	0.986	0.974	0.77
93)	TP	Bromobenzene		0.610	0.640	0.511	0.536	0.600	0.597	0.600	0.574	0.583	7.17
94)	TP	Decane		1.497	1.440	1.309	1.385	1.545	1.618	1.691	1.597	1.510	8.46
95)	TP	n-Propylbenzene		3.004	2.982	2.362	2.720	3.007	2.979	3.000	2.844	2.862	7.91
96)	TP	1,4-Dichlorobu...		0.830	0.894	0.730	0.749	0.859	0.871	0.878	0.855	0.833	7.31
97)	TP	1,1,2,2-Tetrac...	0.423	0.456	0.484	0.407	0.423	0.488	0.494	0.501	0.498	0.464	7.99
98)	TP	4-Ethyltoluene		2.497	2.502	1.951	2.240	2.497	2.470	2.512	2.382	2.381	8.26
99)	TP	2-Chlorotoluene		2.036	2.024	1.610	1.771	1.967	1.943	1.952	1.851	1.894	7.61
100)	TP	1,3,5-Trimethy...		2.075	2.161	1.685	1.909	2.125	2.087	2.111	1.995	2.019	7.76
101)	TP	1,2,3-Trichlor...		0.349	0.366	0.306	0.317	0.359	0.362	0.364	0.363	0.348	6.69
102)	TP	trans-1,4-Dich...		0.144	0.149	0.129	0.135	0.163	0.173	0.178	0.175	0.156	12.18
103)	TP	4-Chlorotoluene		1.922	1.950	1.511	1.642	1.825	1.823	1.830	1.744	1.781	8.17
104)	TP	tert-Butylbenzene		1.697	1.703	1.412	1.635	1.827	1.814	1.843	1.745	1.709	8.22

Method Path : I:\VOLATILES\VOA126\2020\200604N\
Method File : V126_200604N_8260Suff.m
Title : VOLATILES BY GC/MS
Last Update : Fri Jun 05 12:39:47 2020
Response Via : Initial Calibration

Calibration Files
L0 =V26200604N03.D L1 =V26200604N04.D L1.5=V26200604N05.D L2 =V26200604N06.D L3 =V26200604N07.D
L4 =V26200604N08.D L6 =V26200604N09.D L7 =V26200604N10.D L8 =V26200604N11.D

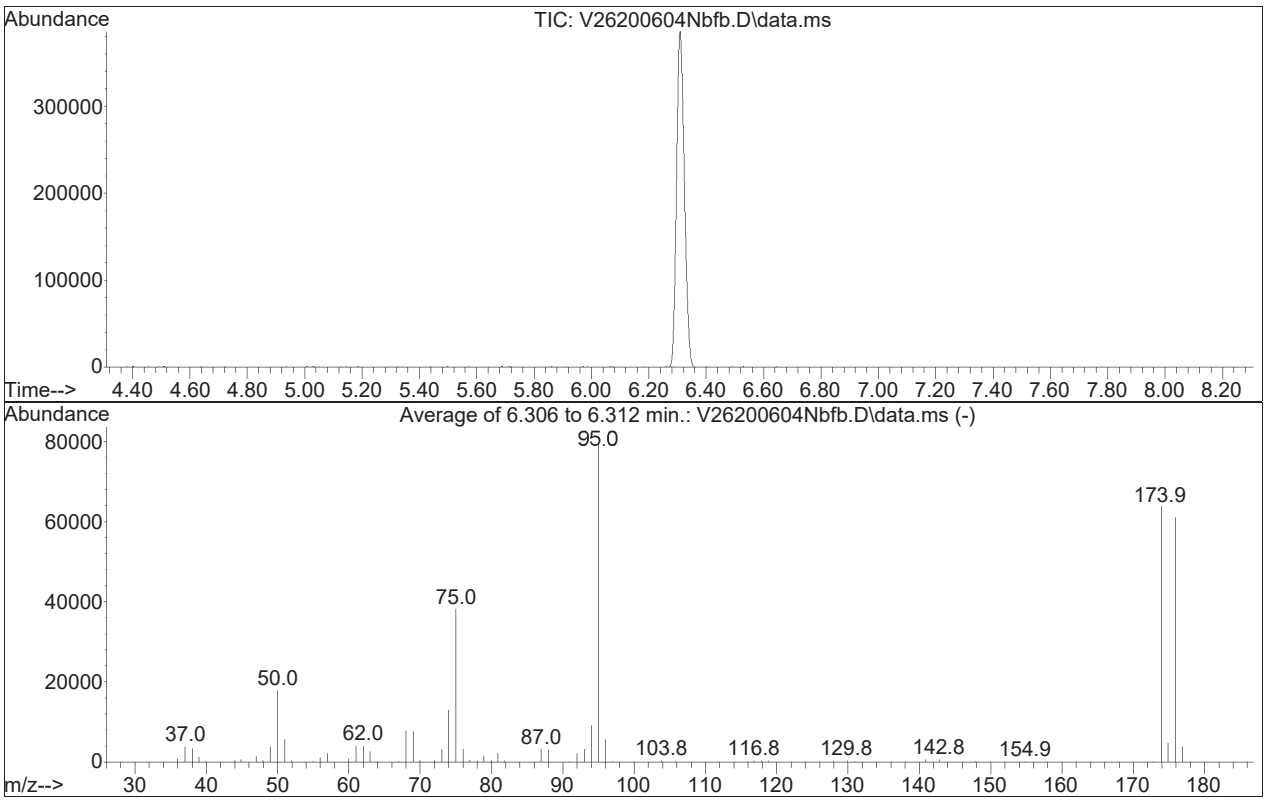
	Compound	L0	L1	L1.5	L2	L3	L4	L6	L7	L8	Avg	%RSD
107)	TP 1,2,4-Trimethy...	2.118	2.158	1.683	1.904	2.102	2.092	2.125	1.999	2.023	7.90	
108)	TP Limonene			0.608	0.704	0.759	0.804	0.829	0.790	0.749	10.86	
109)	TP sec-Butylbenzene	2.581	2.565	2.076	2.461	2.734	2.720	2.768	2.604	2.564	8.67	
110)	TP p-Isopropyltol...	2.243	2.270	1.818	2.110	2.348	2.320	2.355	2.203	2.208	8.05	
111)	TP 1,3-Dichlorobe...	1.281	1.268	0.981	1.058	1.189	1.188	1.196	1.120	1.160	8.82	
112)	TP 1,4-Dichlorobe...	1.268	1.252	0.982	1.052	1.171	1.170	1.178	1.101	1.147	8.47	
113)	TP trans-Decahydr...	0.610	0.620	0.570	0.593	0.632	0.646	0.679	0.650	0.625	5.51	
114)	TP Undecane	1.594	1.499	1.345	1.426	1.608	1.608	1.541	1.368	1.498	7.16	
115)	TP p-Diethylbenzene	1.411	1.454	1.107	1.286	1.436	1.403	1.402	1.308	1.351	8.52	
116)	TP n-Butylbenzene	2.612	2.639	2.082	2.405	2.668	2.610	2.627	2.455	2.512	7.86	
117)	TP Hexachloroethane	0.403	0.395	0.373	0.433	0.458	0.481	0.493	0.469	0.438	10.06	
118)	TP 1,2-Dichlorobe...	1.114	1.115	0.901	0.949	1.076	1.078	1.085	1.020	1.042	7.60	
119)	TP cis-Decahydron...	0.472	0.468	0.423	0.464	0.505	0.517	0.534	0.514	0.487	7.47	
120)	TP 1,2,4,5-Tetram...	1.915	2.010	1.648	1.913	2.211	2.180	2.165	2.065	2.013	9.31	
121)	TP 1,2-Dibromo-3-...		0.068	0.057	0.062	0.078	0.081	0.083	0.083	0.073	14.57	
122)	TP 1,3,5-Trichlor...	0.866	0.865	0.663	0.747	0.855	0.819	0.823	0.778	0.802	8.75	
123)	TP Nitrobenzene			0.020	0.026	0.030	0.033	0.036	0.039	*L	0.9947	
124)	TP Hexachlorobuta...	0.386	0.386	0.286	0.359	0.398	0.382	0.398	0.387	0.373	9.95	
125)	TP 1,2,4-Trichlor...	0.803	0.785	0.592	0.670	0.771	0.730	0.742	0.706	0.725	9.50	
126)	TP Naphthalene	1.544	1.560	1.241	1.342	1.604	1.554	1.566	1.529	1.493	8.63	
127)	TP 1,2,3-Trichlor...	0.686	0.694	0.556	0.594	0.678	0.650	0.661	0.632	0.644	7.48	

(#) = Out of Range

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604Nbfb.D
Acq On : 04 Jun 2020 04:24 pm
Operator : VOA126:JC
Sample : WG1378377-1
Misc : WG1378377,ICAL
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Title : VOLATILES BY GC/MS
Last Update : Fri Jun 05 11:57:12 2020



Spectrum Information: Average of 6.306 to 6.312 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.4	17840	PASS
75	95	30	60	47.9	38144	PASS
95	95	100	100	100.0	79683	PASS
96	95	5	9	7.2	5713	PASS
173	174	0.00	2	0.3	173	PASS
174	95	50	100	80.0	63728	PASS
175	174	5	9	7.6	4815	PASS
176	174	95	101	95.7	61003	PASS
177	176	5	9	6.4	3899	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N03.D
Acq On : 04 Jun 2020 06:10 pm
Operator : VOA126:JC
Sample : i8260stdl.5ppb
Misc : WG1378377,ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 11:00:12 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 10:55:37 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-L0 - SOILS Level 0.5ppb with Chlorodibromomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	11.563	96	332389	20.000 ug/L	0.00
Standard Area 1 = 320322			Recovery = 103.77%		
63) Chlorobenzene-d5	18.265	117	285121	20.000 ug/L	0.00
Standard Area 1 = 269772			Recovery = 105.69%		
88) 1,4-Dichlorobenzene-d4	23.923	152	150282	20.000 ug/L	0.00
Standard Area 1 = 141486			Recovery = 106.22%		
System Monitoring Compounds					
39) Dibromofluoromethane	9.924	113	86754M1	20.113 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.57%		
47) 1,2-Dichloroethane-d4	10.925	65	88066	20.222 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.11%		
65) Toluene-d8	14.899	98	355717	19.914 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.57%		
92) 4-Bromofluorobenzene	21.101	95	144802	19.686 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.43%		
Target Compounds					Qvalue
40) 1,1,1-Trichloroethane	10.270	97	2442M1	0.406 ug/L	
43) 1,1-Dichloropropene	10.582	75	2260	0.456 ug/L #	57
45) Benzene	11.126	78	7648	0.510 ug/L	94
52) Trichloroethene	12.369	95	1730	0.430 ug/L	94
58) Bromodichloromethane	13.234	83	2261	0.440 ug/L #	91
62) cis-1,3-Dichloropropene	14.386	75	2644	0.455 ug/L #	87
68) Tetrachloroethene	16.497	166	2101M1	0.493 ug/L	
76) Chlorodibromomethane	16.946	129	1437M1	0.377 ug/L	
82) Chlorobenzene	18.351	112	5641	0.514 ug/L #	40
84) 1,1,1,2-Tetrachloroethane	18.449	131	1492	0.380 ug/L #	23
85) p/m Xylene	18.658	106	6792	0.922 ug/L	84
86) o Xylene	19.659	106	6140	0.867 ug/L	81
87) Styrene	19.751	104	10322	0.864 ug/L #	60
97) 1,1,2,2-Tetrachloroethane	20.936	83	1589	0.433 ug/L #	55

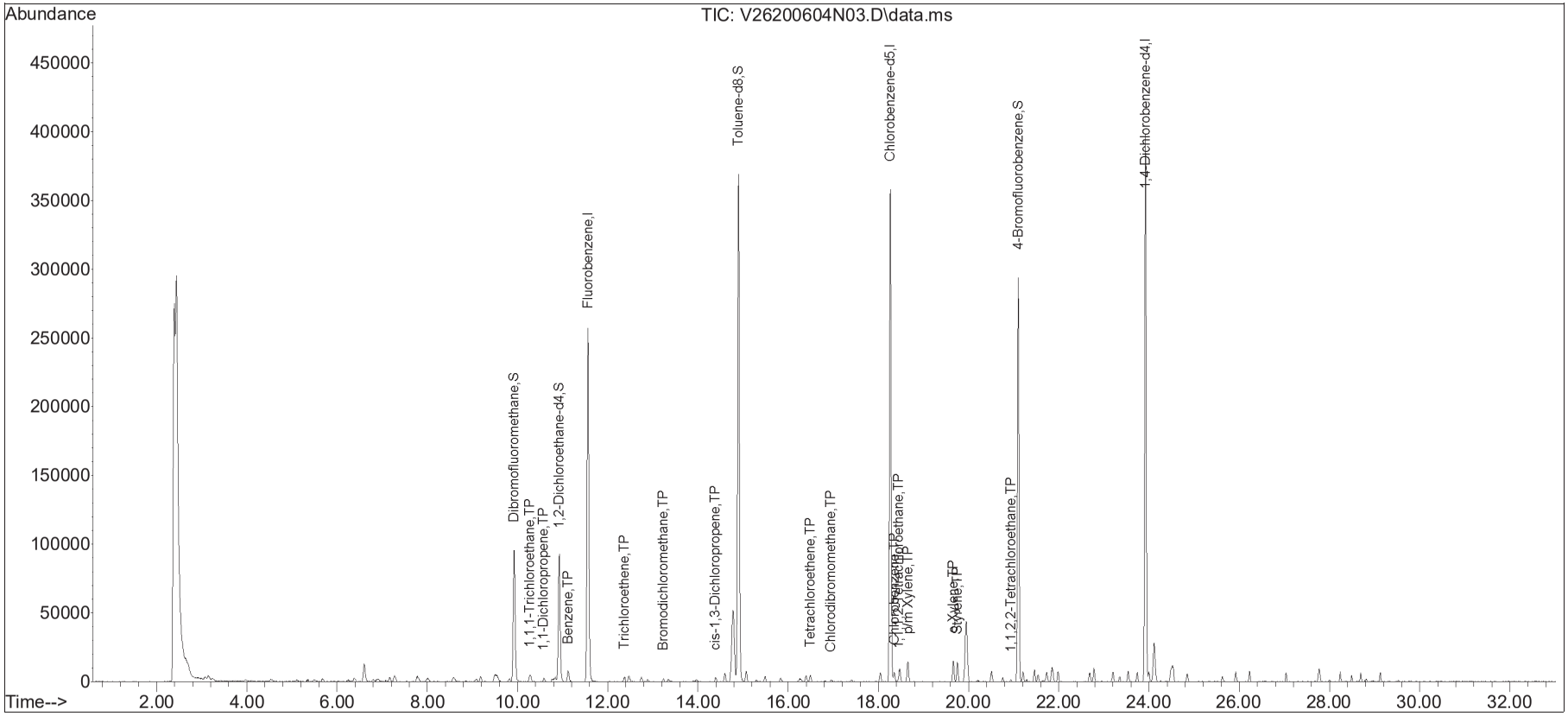
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N03.D
Acq On : 04 Jun 2020 06:10 pm
Operator : VOA126:JC
Sample : i8260stdl.5ppb
Misc : WG1378377,ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 11:00:12 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 10:55:37 2020
Response via : Initial Calibration

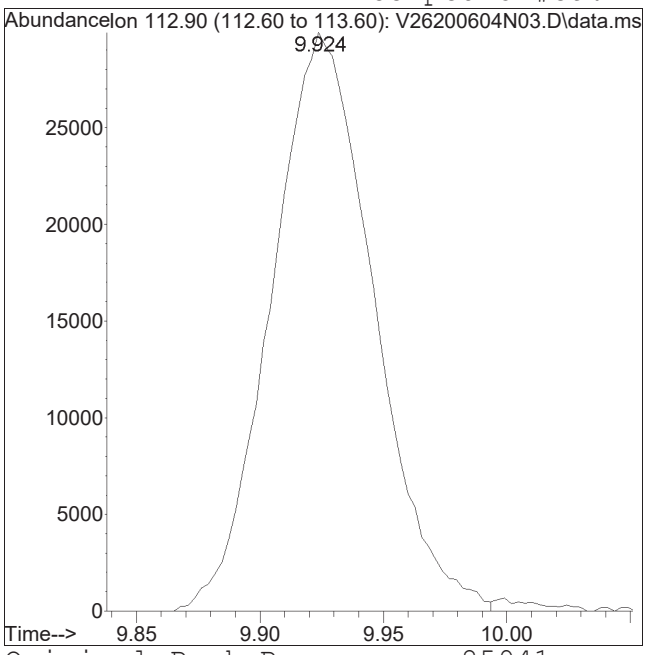
Sub List : 8260-L0 - SOILS Level 0.5ppb with Chlorodibromomethane

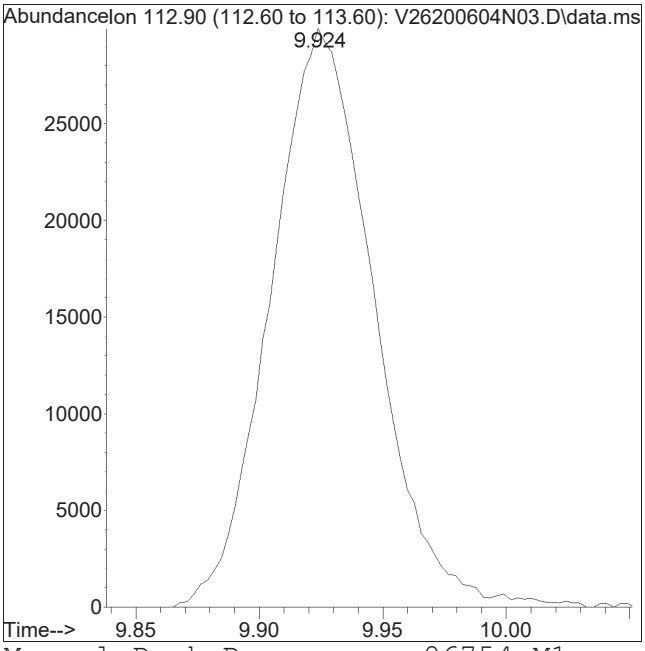


Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N03.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 6:10 pm Instrument : VOA126
Sample : i8260stdl.5ppb Quant Date : 6/5/2020 10:56 am

Compound #39: Dibromofluoromethane





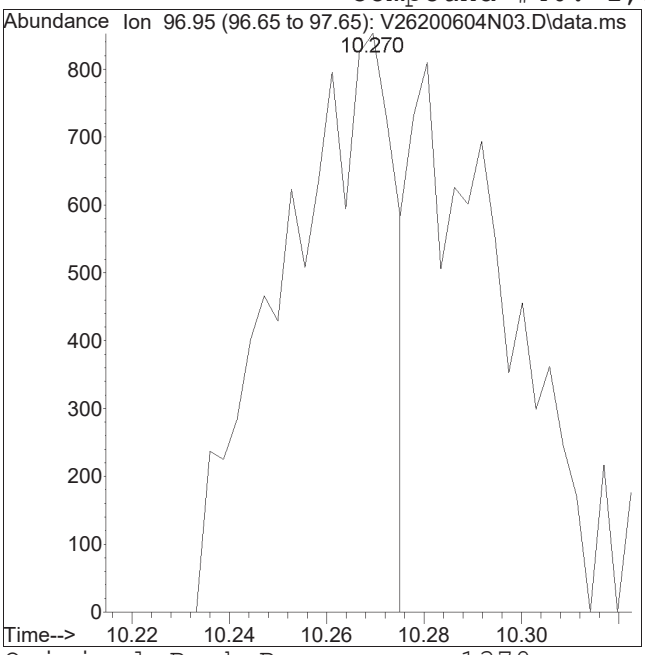
Original Peak Response = 85941 Manual Peak Response = 86754 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

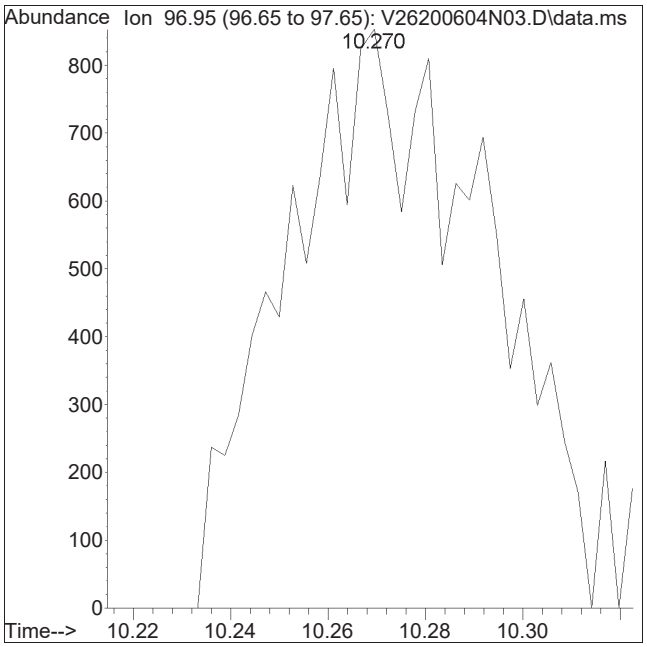
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N03.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 6:10 pm Instrument : VOA126
Sample : i8260stdl.5ppb Quant Date : 6/5/2020 10:56 am

Compound #40: 1,1,1-Trichloroethane



Original Peak Response = 1370



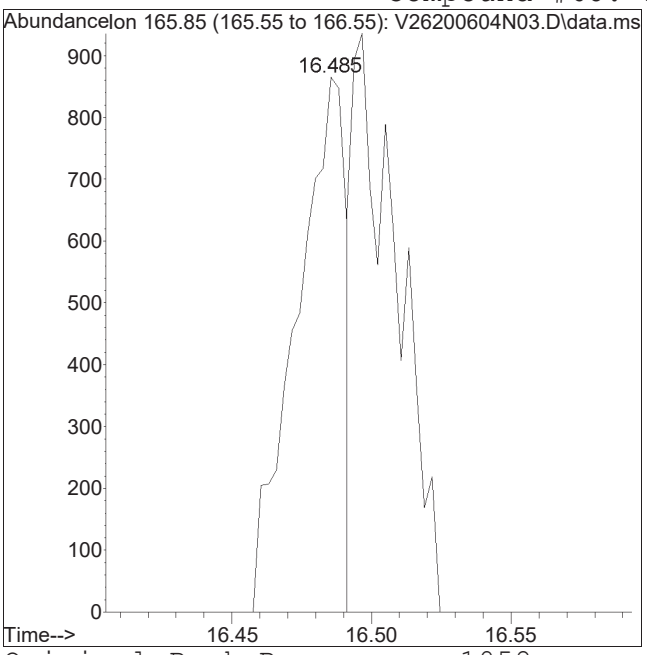
Manual Peak Response = 2442 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

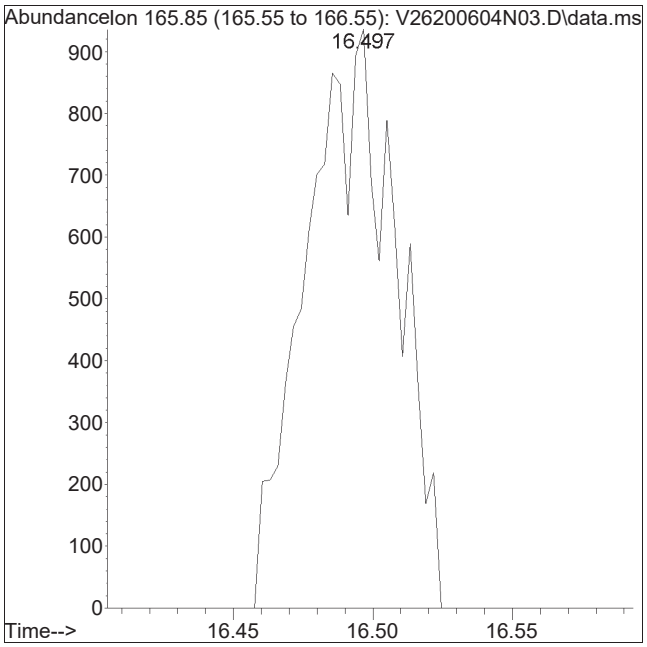
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N03.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 6:10 pm Instrument : VOA126
Sample : i8260stdl.5ppb Quant Date : 6/5/2020 10:56 am

Compound #68: Tetrachloroethene



Original Peak Response = 1058



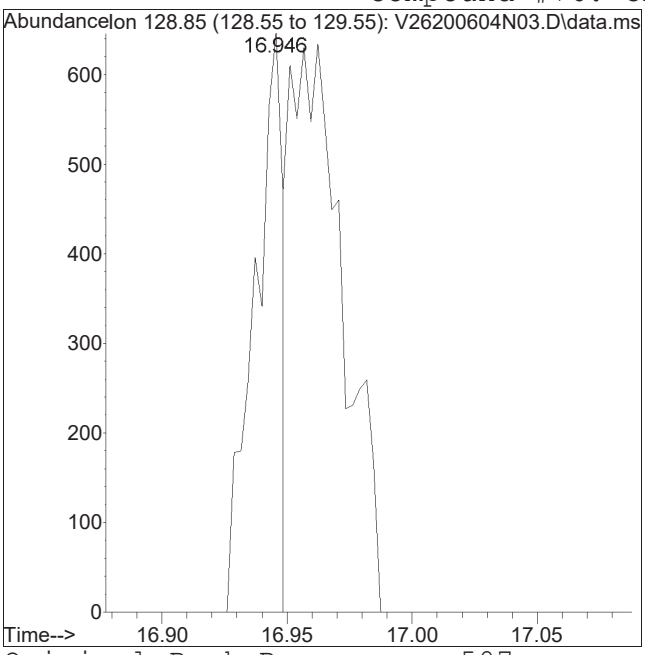
Manual Peak Response = 2101 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

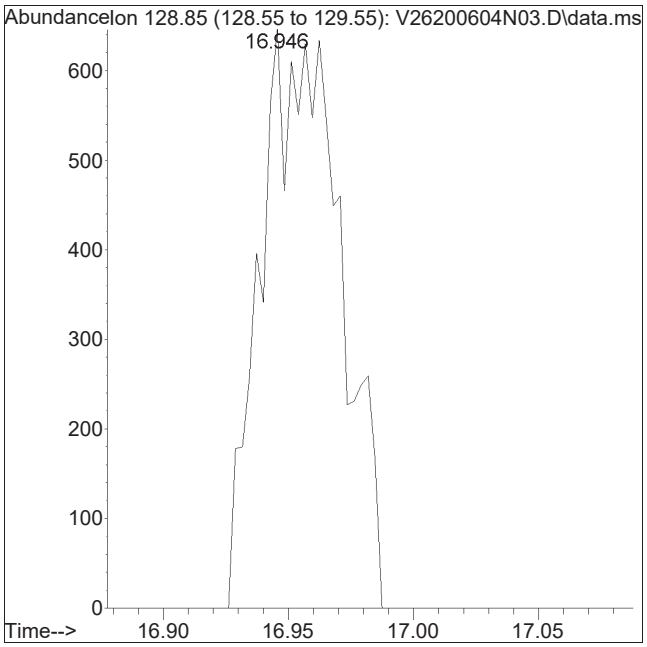
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N03.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 6:10 pm Instrument : VOA126
Sample : i8260stdl.5ppb Quant Date : 6/5/2020 10:56 am

Compound #76: Chlorodibromomethane



Original Peak Response = 507



Manual Peak Response = 1437 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N04.D
Acq On : 04 Jun 2020 06:50 pm
Operator : VOA126:JC
Sample : i8260stdl1ppb
Misc : WG1378377,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 12:38:12 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:34:20 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	11.561	96	322531	20.000	ug/L	0.00
Standard Area 1 = 320322			Recovery = 100.69%			
63) Chlorobenzene-d5	18.265	117	275514	20.000	ug/L	0.00
Standard Area 1 = 269772			Recovery = 102.13%			
88) 1,4-Dichlorobenzene-d4	23.920	152	145601	20.000	ug/L	0.00
Standard Area 1 = 141486			Recovery = 102.91%			
System Monitoring Compounds						
39) Dibromofluoromethane	9.921	113	82928	19.788	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.94%			
47) 1,2-Dichloroethane-d4	10.925	65	83052	19.515	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.58%			
65) Toluene-d8	14.896	98	344894	20.044	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.22%			
92) 4-Bromofluorobenzene	21.101	95	140360	19.802	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.01%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.704	85	2320M1	0.966	ug/L	
3) Chlorodifluoromethane	2.687	51	6795	1.140	ug/L #	78
4) Chloromethane	3.083	50	6777M1	1.456	ug/L	
5) Vinyl chloride	3.239	62	3649	1.046	ug/L	88
6) Bromomethane	3.959	94	3669M1	1.430	ug/L	
7) Chloroethane	4.120	64	2573M1	0.950	ug/L	
8) Trichlorofluoromethane	4.550	101	4736	0.983	ug/L #	55
9) Ethyl ether	5.105	74	1438M1	0.890	ug/L	
11) 1,1-Dichloroethene	5.671	96	2926	0.991	ug/L #	1
12) Carbon disulfide	6.597	76	23561M1	2.415	ug/L	
13) Freon-113	5.347	101	2640M1	0.925	ug/L	
14) Iodomethane	6.262	142	2328M1	1.437	ug/L	
15) Acrolein	5.353	56	389M1	0.671	ug/L	
16) Allyl chloride	6.385	76	1903	0.945	ug/L #	63
17) Methylene chloride	6.605	84	6023	1.639	ug/L	81
19) Acetone	5.484	43	3275M1	0.787	ug/L	
20) trans-1,2-Dichloroethene	7.168	96	3569	1.017	ug/L #	72
21) Methyl acetate	6.346	43	2364M1	0.983	ug/L	
22) Hexane	7.277	57	8528	1.090	ug/L #	91
23) Methyl tert-butyl ether	6.906	73	7677	0.945	ug/L #	80
24) tert-Butyl alcohol	5.877	59	1252M1	3.344	ug/L	

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N04.D
Acq On : 04 Jun 2020 06:50 pm
Operator : VOA126:JC
Sample : i8260stdl1ppb
Misc : WG1378377,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 12:38:12 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:34:20 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Diisopropyl ether	7.785	45	15141	1.013	ug/L	#	48
26) 1,1-Dichloroethane	7.991	63	7852	1.051	ug/L		70
27) Halothane	7.090	117	2640M1	0.991	ug/L		
28) Acrylonitrile	6.876	53	920M1	0.784	ug/L		
29) Ethyl tert-butyl ether	8.582	59	12532	0.974	ug/L	#	57
30) Vinyl acetate	8.022	43	6295	0.915	ug/L	#	77
31) cis-1,2-Dichloroethene	9.179	96	4235M1	1.082	ug/L		
32) 2,2-Dichloropropane	9.084	77	4918M1	1.006	ug/L		
33) Bromochloromethane	9.818	128	1603	0.959	ug/L	#	61
34) Cyclohexane	10.278	56	7304	0.983	ug/L		76
35) Chloroform	9.486	83	7993	1.206	ug/L	#	71
36) Ethyl acetate	9.187	43	2751	0.933	ug/L	#	71
37) Carbon tetrachloride	10.769	117	4423	0.926	ug/L	#	85
38) Tetrahydrofuran	9.926	42	935	1.011	ug/L	#	41
40) 1,1,1-Trichloroethane	10.272	97	5398	0.989	ug/L	#	51
42) 2-Butanone	8.861	43	1370M1	0.979	ug/L		
43) 1,1-Dichloropropene	10.585	75	4489	0.997	ug/L	#	73
44) Heptane	10.908	71	3728M1	1.017	ug/L		
45) Benzene	11.126	78	15704	1.103	ug/L		93
46) tert-Amyl methyl ether	10.827	73	8309	0.942	ug/L		95
48) 1,2-Dichloroethane	11.117	62	5511	1.083	ug/L		90
51) Methyl cyclohexane	12.478	83	5129	0.942	ug/L	#	64
52) Trichloroethene	12.375	95	3953	1.067	ug/L		92
54) Dibromomethane	13.351	93	1880	0.977	ug/L		98
55) 1,2-Dichloropropane	12.740	63	4569M1	1.046	ug/L		
57) 2-Chloroethyl vinyl ether	13.903	63	950	0.496	ug/L	#	51
58) Bromodichloromethane	13.234	83	4852	1.020	ug/L	#	96
60) Methyl methacrylate	12.888	69	1898	0.941	ug/L	#	84
61) 1,4-Dioxane	13.323	88	746M1	27.691	ug/L		
62) cis-1,3-Dichloropropene	14.391	75	5174	0.965	ug/L	#	83
64) Octane	14.597	85	3509	0.932	ug/L	#	82
66) Toluene	15.063	92	10595	1.130	ug/L		95
67) 4-Methyl-2-pentanone	13.959	58	1238M1	0.910	ug/L		
68) Tetrachloroethene	16.499	166	4227	1.056	ug/L		86
69) 2-Nitropropane	13.398	41	607	0.893	ug/L	#	93
71) trans-1,3-Dichloropropene	15.490	75	4364	0.950	ug/L		96
72) Methyl isothiocyanate	15.375	73	1007M1	3.071	ug/L		
74) Ethyl methacrylate	15.476	69	3128	0.877	ug/L		76
75) 1,1,2-Trichloroethane	15.827	83	2300	0.984	ug/L	#	56
76) Chlorodibromomethane	16.954	129	3129	0.925	ug/L	#	72

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N04.D
Acq On : 04 Jun 2020 06:50 pm
Operator : VOA126:JC
Sample : i8260stdl1ppb
Misc : WG1378377,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 12:38:12 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:34:20 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
77) 1,3-Dichloropropane	16.388	76	4900	1.020	ug/L		97
78) 1,2-Dibromoethane	17.414	107	2549	0.956	ug/L		98
79) n-Butyl Acetate	16.407	43	5878	0.950	ug/L		97
80) 2-Hexanone	15.866	43	2188	0.958	ug/L	#	64
81) Nonane	18.047	57	8571	0.940	ug/L	#	79
82) Chlorobenzene	18.348	112	11777	1.123	ug/L		97
83) Ethylbenzene	18.474	91	18860	1.071	ug/L		98
84) 1,1,1,2-Tetrachloroethane	18.457	131	3592M1	1.021	ug/L		
85) p/m Xylene	18.649	106	14608	2.161	ug/L		89
86) o Xylene	19.664	106	13334	2.074	ug/L		85
87) Styrene	19.754	104	21572	2.017	ug/L		97
89) Bromoform	20.532	173	1826M1	0.903	ug/L		
91) Isopropylbenzene	20.515	105	18318	1.046	ug/L		93
93) Bromobenzene	21.541	156	4439	1.045	ug/L		95
94) Decane	21.207	57	10896	0.991	ug/L	#	82
95) n-Propylbenzene	21.460	91	21866	1.049	ug/L		95
96) 1,4-Dichlorobutane	20.755	55	6041	0.996	ug/L		95
97) 1,1,2,2-Tetrachloroethane	20.936	83	3318	0.983	ug/L		96
98) 4-Ethyltoluene	21.731	105	18178	1.049	ug/L	#	72
99) 2-Chlorotoluene	21.865	91	14825	1.075	ug/L		98
100) 1,3,5-Trimethylbenzene	21.840	105	15109	1.028	ug/L		98
101) 1,2,3-Trichloropropane	21.282	75	2544	1.003	ug/L	#	78
102) trans-1,4-Dichloro-2-b...	21.463	53	1049M1	0.925	ug/L		
103) 4-Chlorotoluene	21.985	91	13994	1.079	ug/L		96
104) tert-Butylbenzene	22.685	119	12354	0.993	ug/L		97
107) 1,2,4-Trimethylbenzene	22.777	105	15419	1.047	ug/L		94
108) Limonene	23.343	68	3323	0.609	ug/L	#	92
109) sec-Butylbenzene	23.198	105	18789	1.007	ug/L		96
110) p-Isopropyltoluene	23.541	119	16332	1.016	ug/L	#	87
111) 1,3-Dichlorobenzene	23.733	146	9328	1.104	ug/L		98
112) 1,4-Dichlorobenzene	23.998	146	9233	1.106	ug/L		98
113) trans-Decahydronaphtha...	24.478	138	4442	0.977	ug/L		94
114) Undecane	24.107	57	11601	1.063	ug/L		89
115) p-Diethylbenzene	24.539	119	10275	1.045	ug/L	#	72
116) n-Butylbenzene	24.503	91	19013	1.040	ug/L	#	75
117) Hexachloroethane	25.624	117	2933	0.920	ug/L	#	76
118) 1,2-Dichlorobenzene	24.851	146	8110	1.069	ug/L		99
119) cis-Decahydronaphthalene	25.925	138	3438	0.969	ug/L		95
120) 1,2,4,5-Tetramethylben...	26.229	119	13941	0.951	ug/L		94
121) 1,2-Dibromo-3-chloropr...	26.578	155	344M1	0.646	ug/L		

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N04.D
Acq On : 04 Jun 2020 06:50 pm
Operator : VOA126:JC
Sample : i8260stdl1ppb
Misc : WG1378377,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 12:38:12 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:34:20 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
122)	1,3,5-Trichlorobenzene	27.032	180	6304	1.080	ug/L		98
123)	Nitrobenzene	26.756	77	58	3.237	ug/L	#	36
124)	Hexachlorobutadiene	28.491	225	2811	1.035	ug/L		98
125)	1,2,4-Trichlorobenzene	28.240	180	5848	1.108	ug/L		93
126)	Naphthalene	28.691	128	11237	1.034	ug/L		100
127)	1,2,3-Trichlorobenzene	29.121	180	4997	1.066	ug/L		99

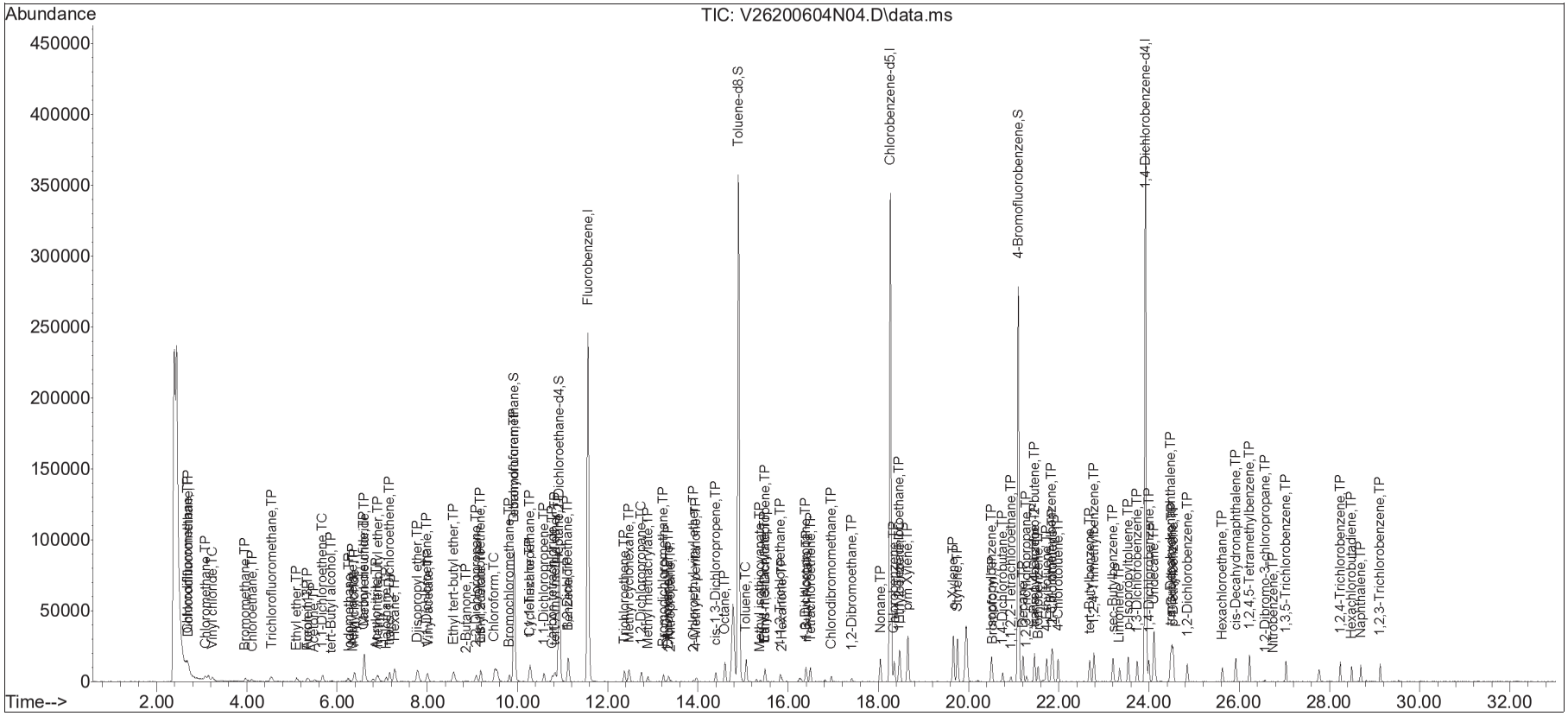
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N04.D
Acq On : 04 Jun 2020 06:50 pm
Operator : VOA126:JC
Sample : i8260stdl1ppb
Misc : WG1378377,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 12:38:12 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:34:20 2020
Response via : Initial Calibration

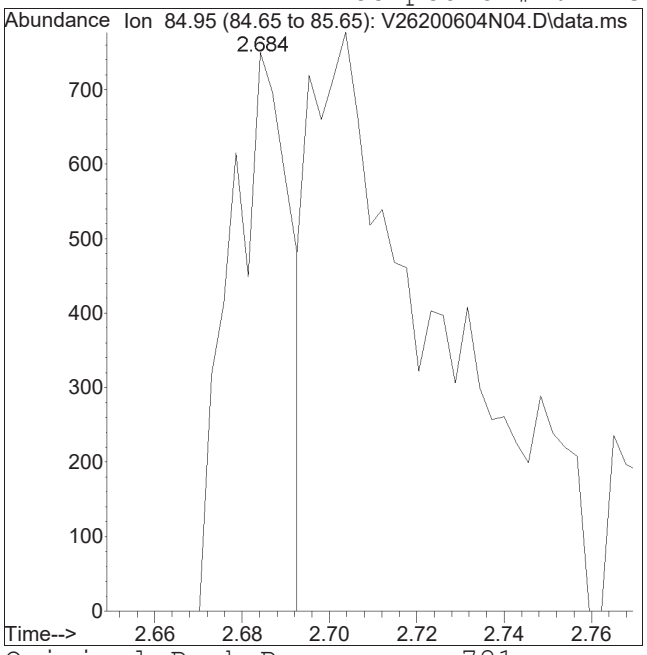
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk00604N08.D•

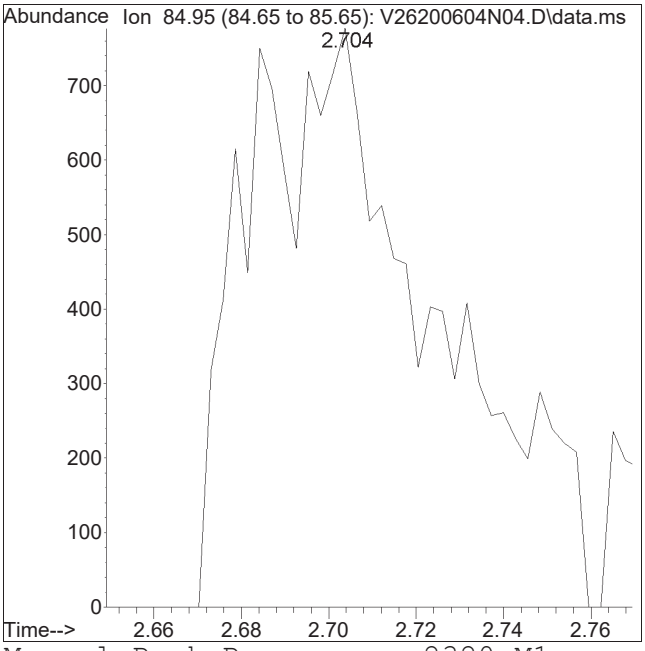


Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N04.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 6:50 pm Instrument : VOA126
Sample : i8260std11ppb Quant Date : 6/5/2020 12:37 pm

Compound #2: Dichlorodifluoromethane





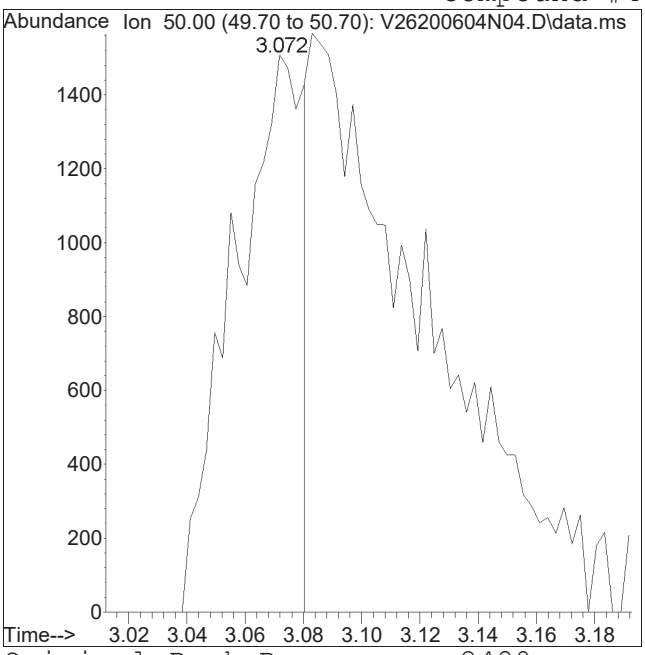
Original Peak Response = 721 Manual Peak Response = 2320 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

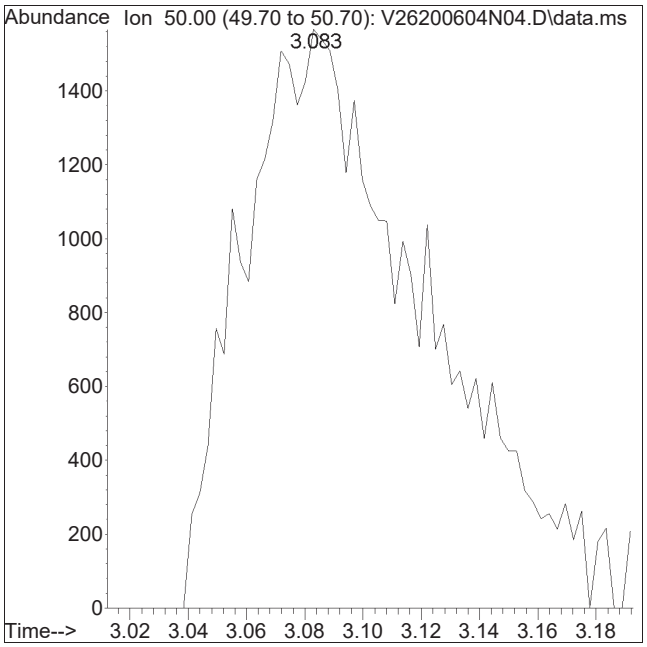
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N04.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 6:50 pm Instrument : VOA126
Sample : i8260stdl1ppb Quant Date : 6/5/2020 12:37 pm

Compound #4: Chloromethane



Original Peak Response = 2480



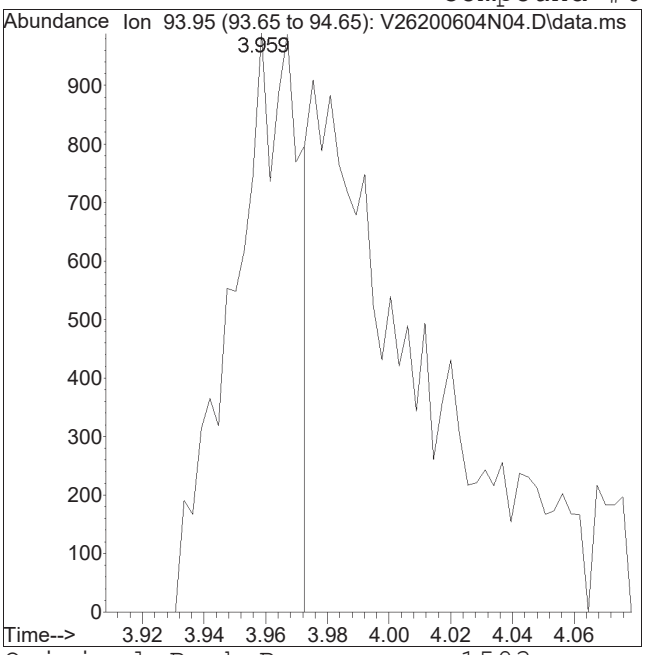
Manual Peak Response = 6777 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

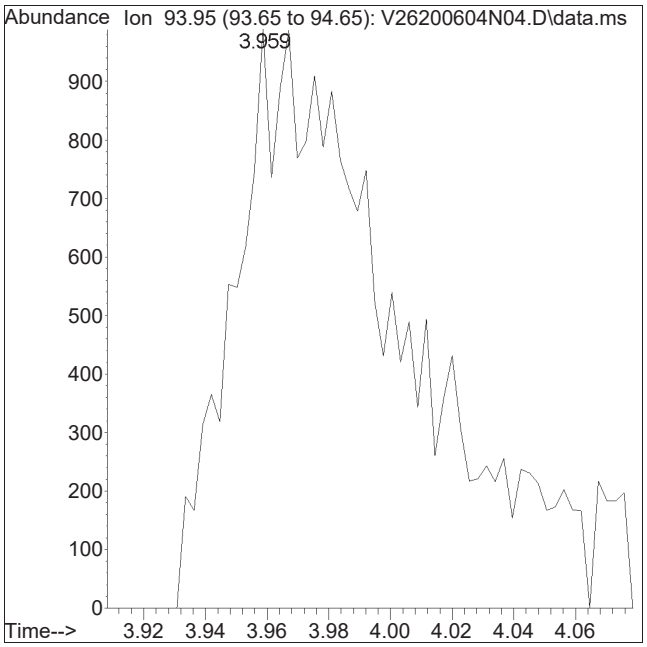
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N04.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 6:50 pm Instrument : VOA126
Sample : i8260stdl1ppb Quant Date : 6/5/2020 12:37 pm

Compound #6: Bromomethane



Original Peak Response = 1503



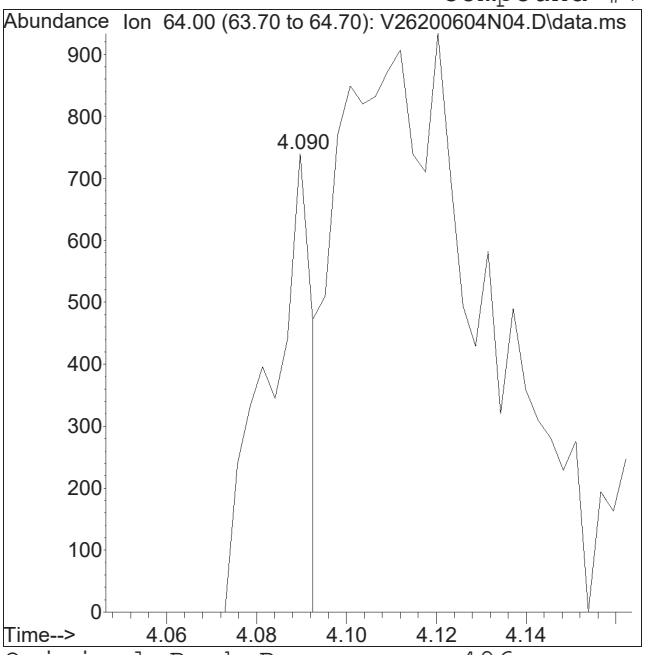
Manual Peak Response = 3669 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

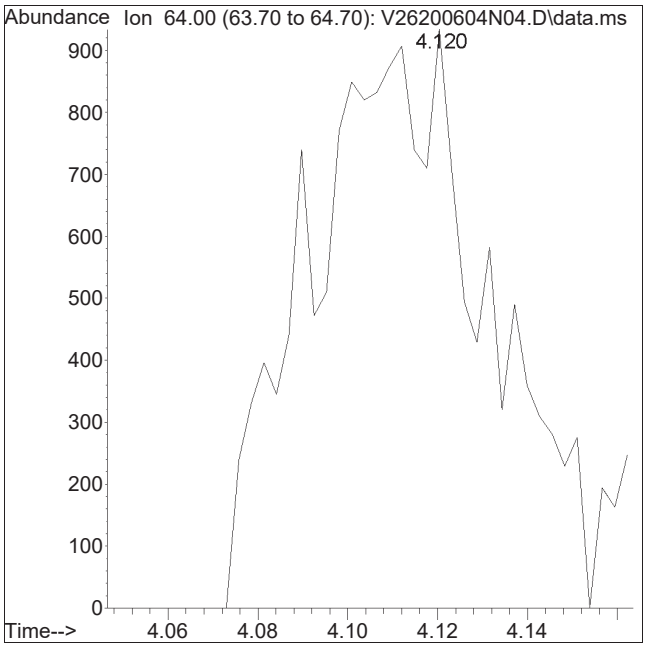
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N04.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 6:50 pm Instrument : VOA126
Sample : i8260stdl1ppb Quant Date : 6/5/2020 12:37 pm

Compound #7: Chloroethane



Original Peak Response = 496



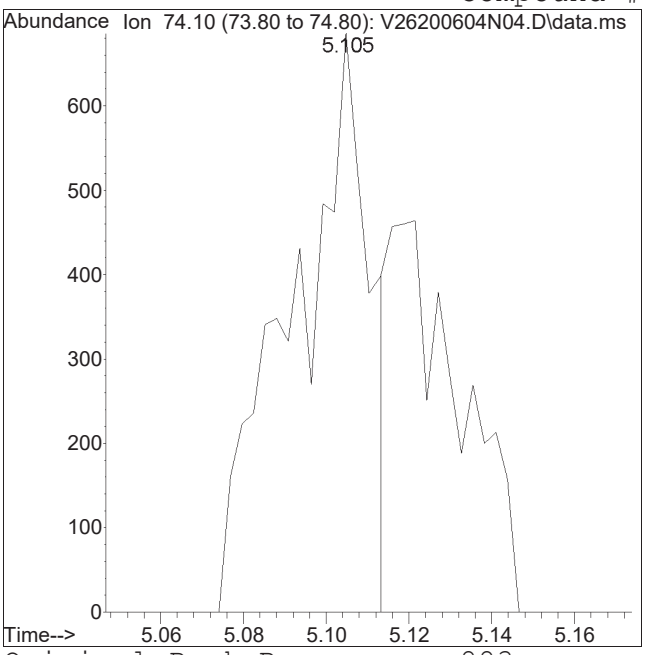
Manual Peak Response = 2573 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

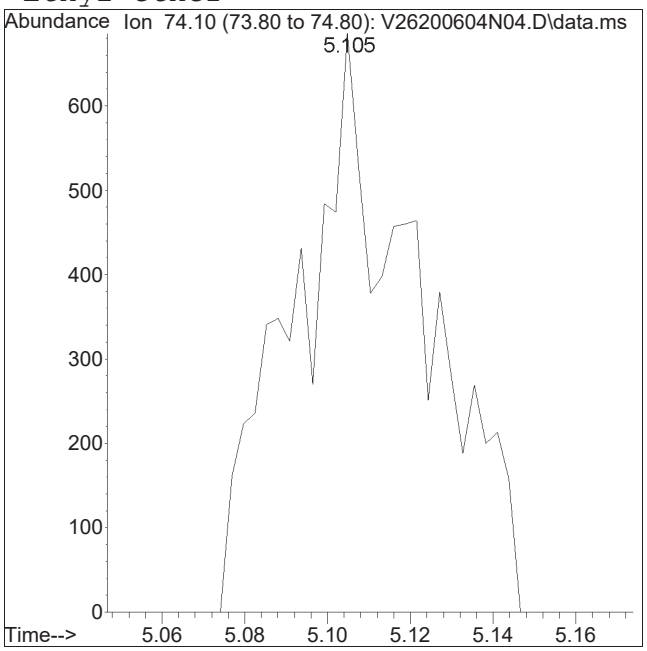
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N04.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 6:50 pm Instrument : VOA126
Sample : i8260stdl1ppb Quant Date : 6/5/2020 12:37 pm

Compound #9: Ethyl ether



Original Peak Response = 883



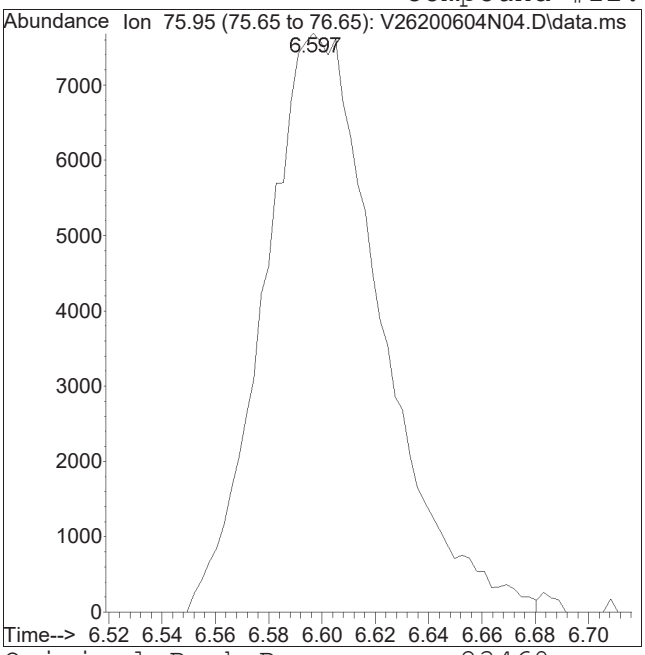
Manual Peak Response = 1438 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

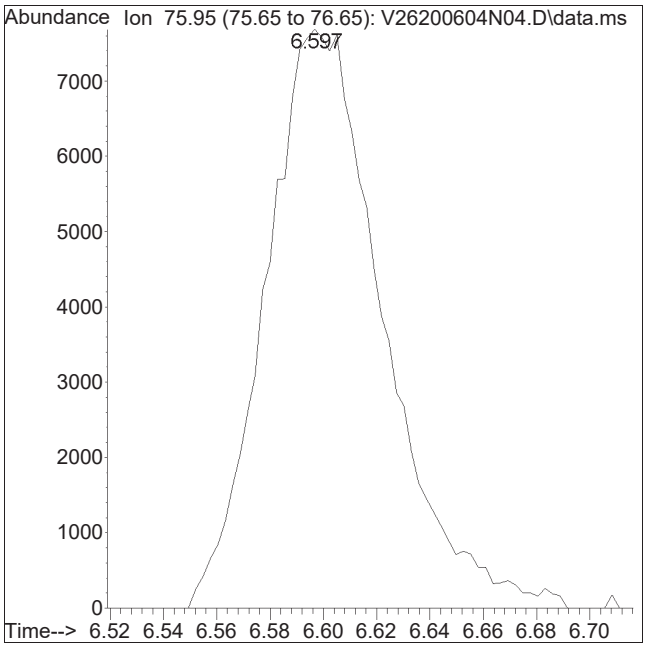
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N04.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 6:50 pm Instrument : VOA126
Sample : i8260stdl1ppb Quant Date : 6/5/2020 12:37 pm

Compound #12: Carbon disulfide



Original Peak Response = 23460



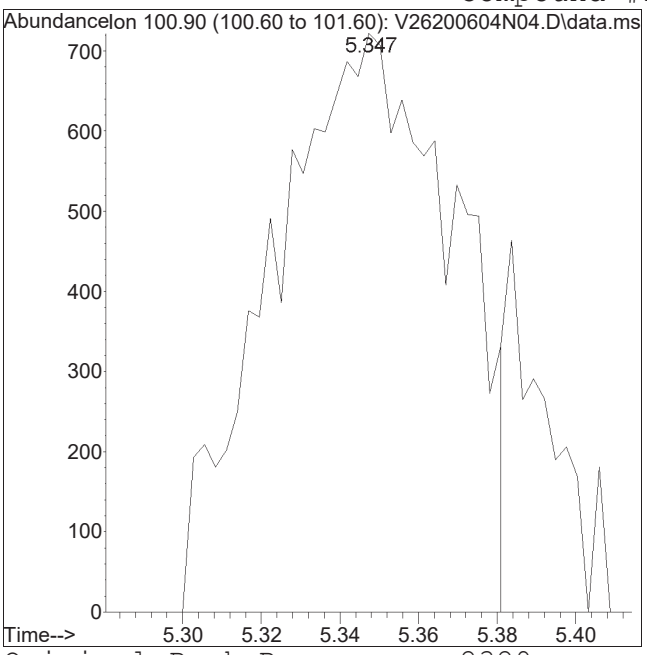
Manual Peak Response = 23561 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

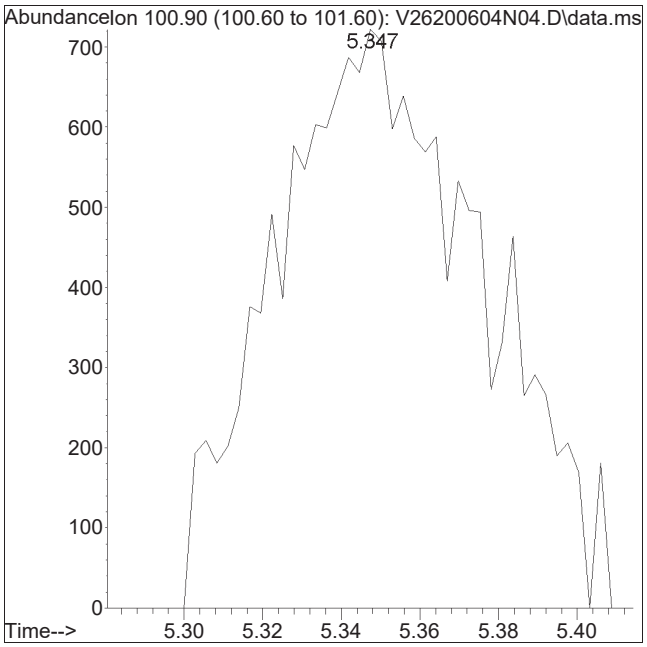
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N04.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 6:50 pm Instrument : VOA126
Sample : i8260stdl1ppb Quant Date : 6/5/2020 12:37 pm

Compound #13: Freon-113



Original Peak Response = 2329



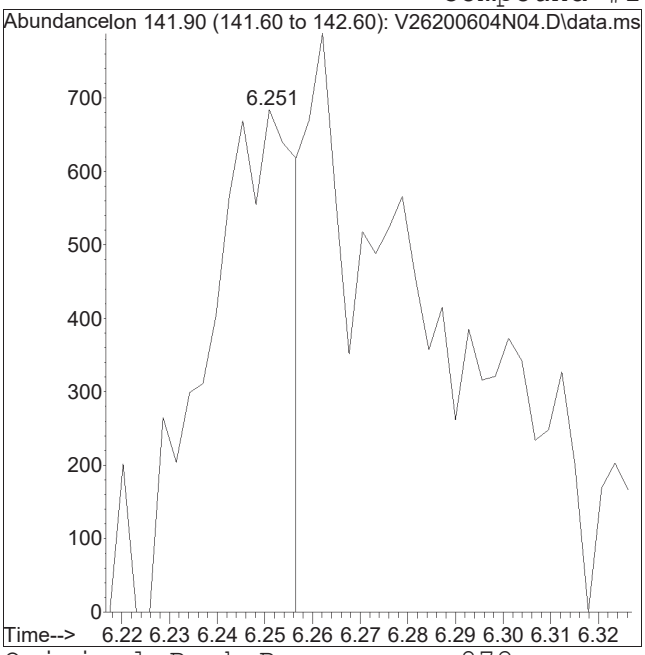
Manual Peak Response = 2640 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

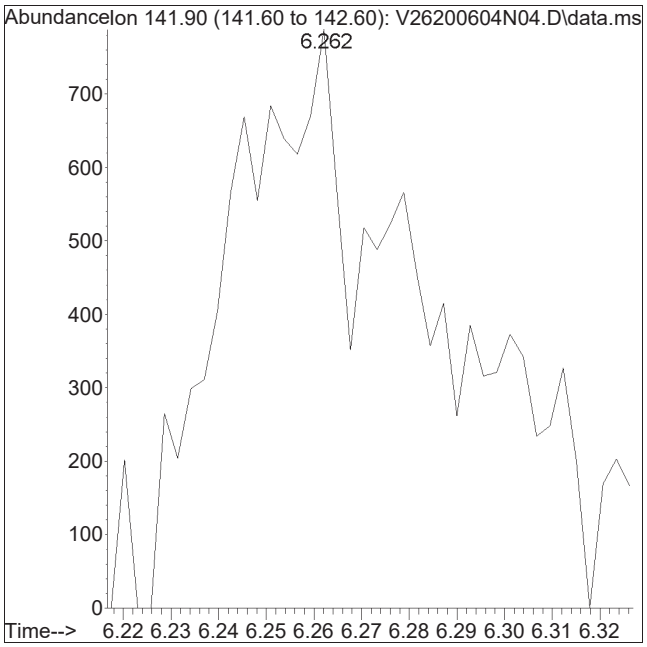
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N04.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 6:50 pm Instrument : VOA126
Sample : i8260stdl1ppb Quant Date : 6/5/2020 12:37 pm

Compound #14: Iodomethane



Original Peak Response = 872



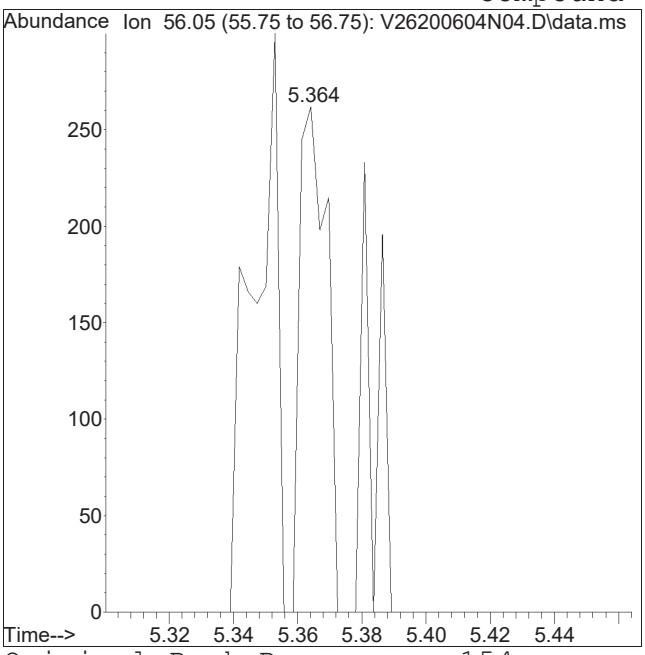
Manual Peak Response = 2328 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

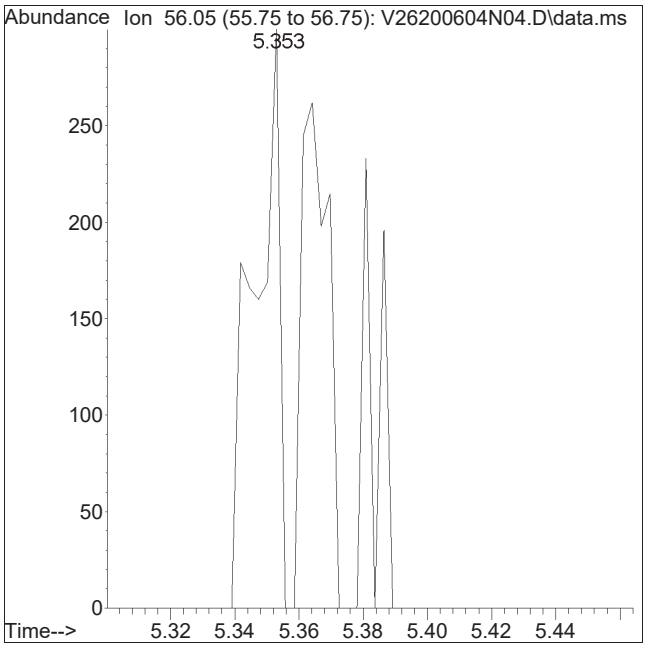
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N04.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 6:50 pm Instrument : VOA126
Sample : i8260std1ppb Quant Date : 6/5/2020 12:37 pm

Compound #15: Acrolein



Original Peak Response = 154



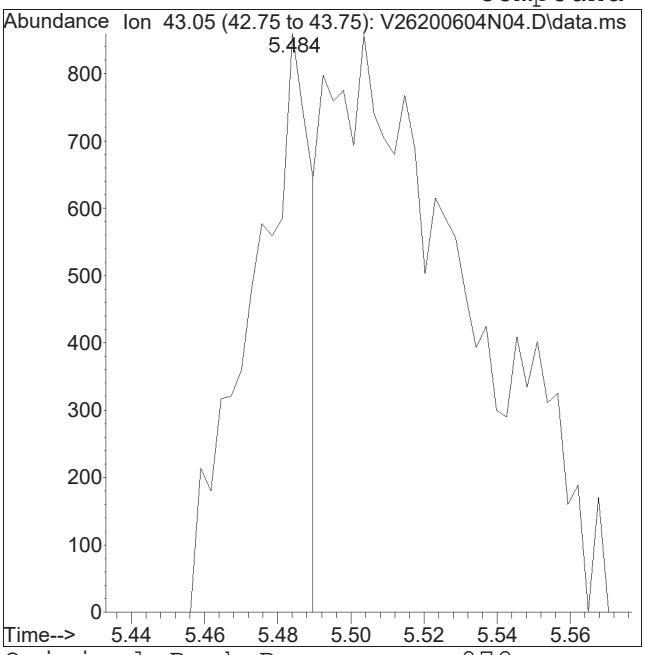
Manual Peak Response = 389 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

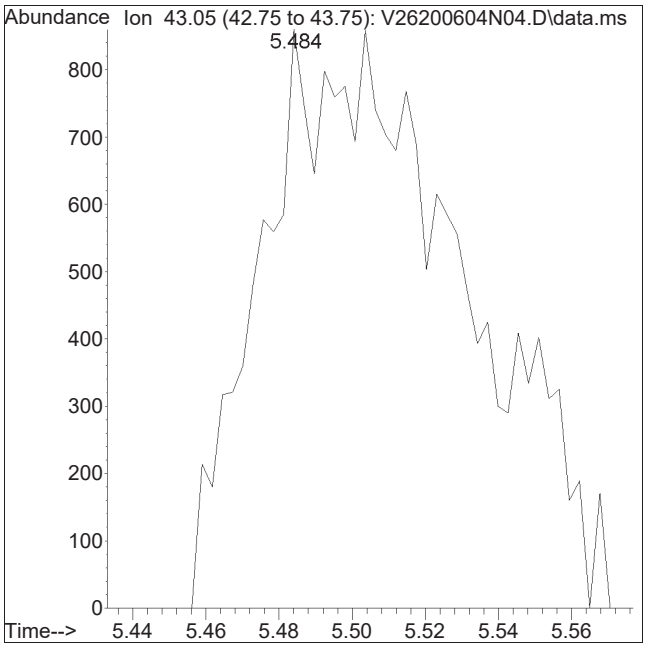
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N04.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 6:50 pm Instrument : VOA126
Sample : i8260stdl1ppb Quant Date : 6/5/2020 12:37 pm

Compound #19: Acetone



Original Peak Response = 978



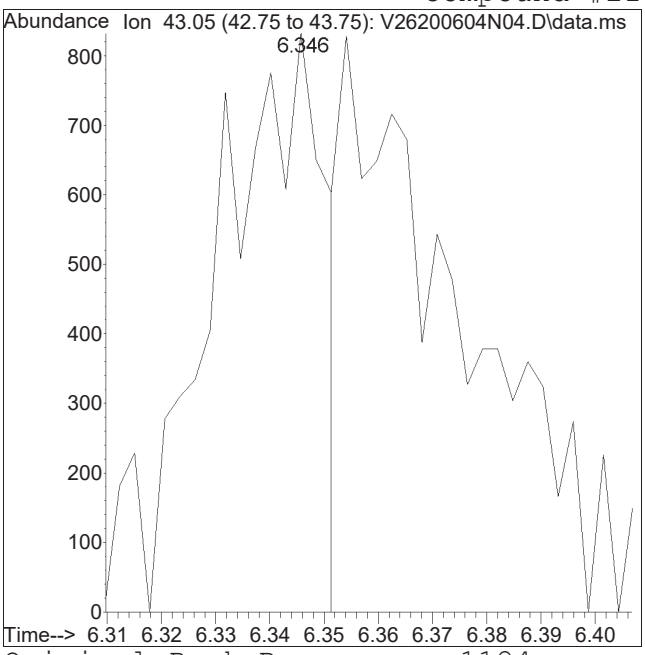
Manual Peak Response = 3275 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

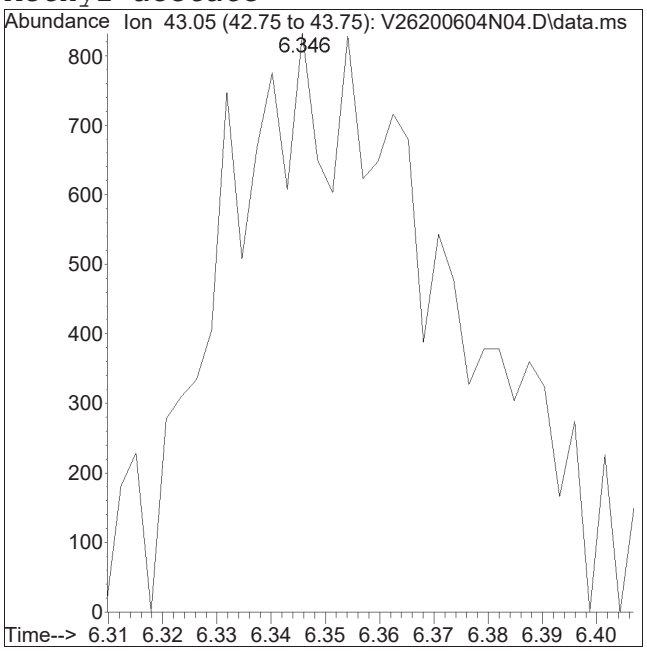
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N04.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 6:50 pm Instrument : VOA126
Sample : i8260stdl1ppb Quant Date : 6/5/2020 12:37 pm

Compound #21: Methyl acetate



Original Peak Response = 1124



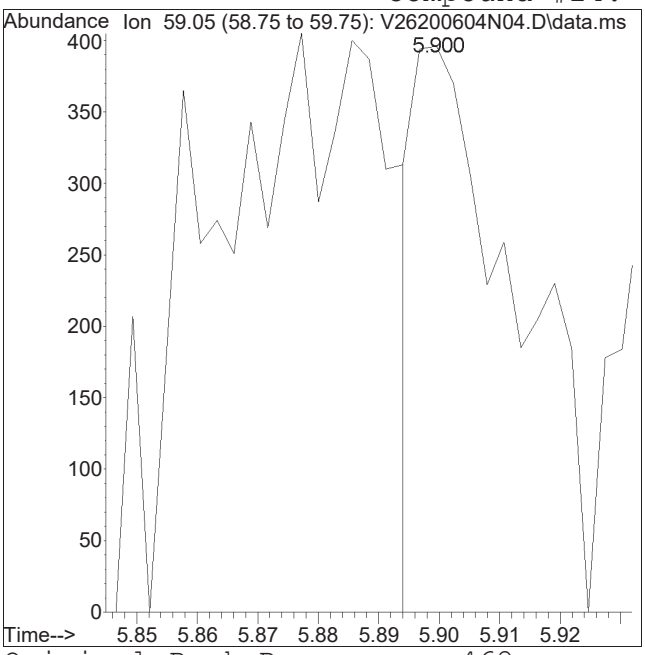
Manual Peak Response = 2364 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

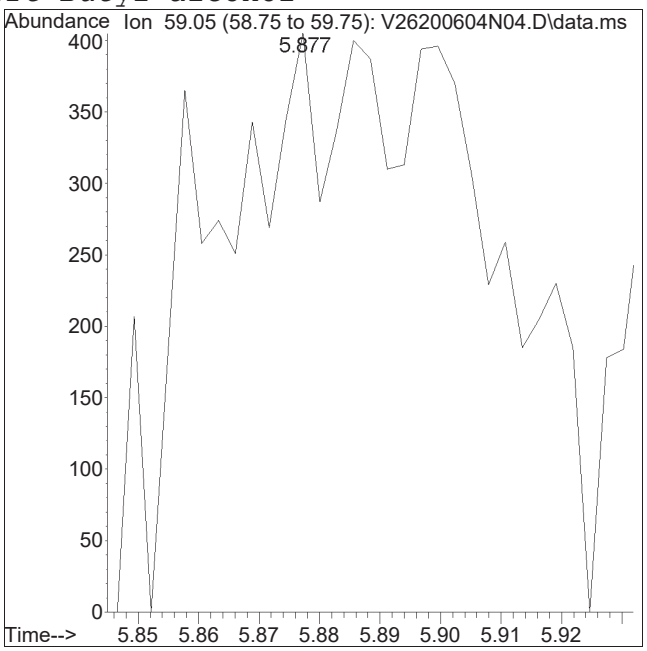
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N04.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 6:50 pm Instrument : VOA126
Sample : i8260stdl1ppb Quant Date : 6/5/2020 12:37 pm

Compound #24: tert-Butyl alcohol



Original Peak Response = 462



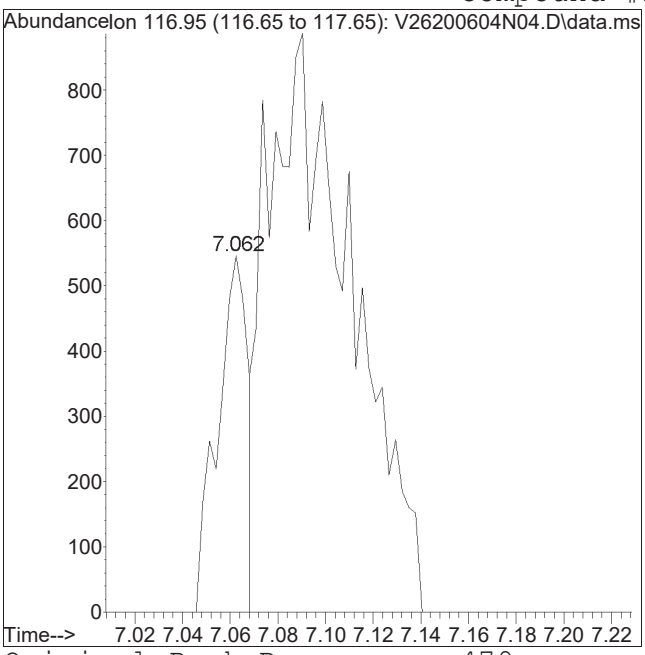
Manual Peak Response = 1252 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

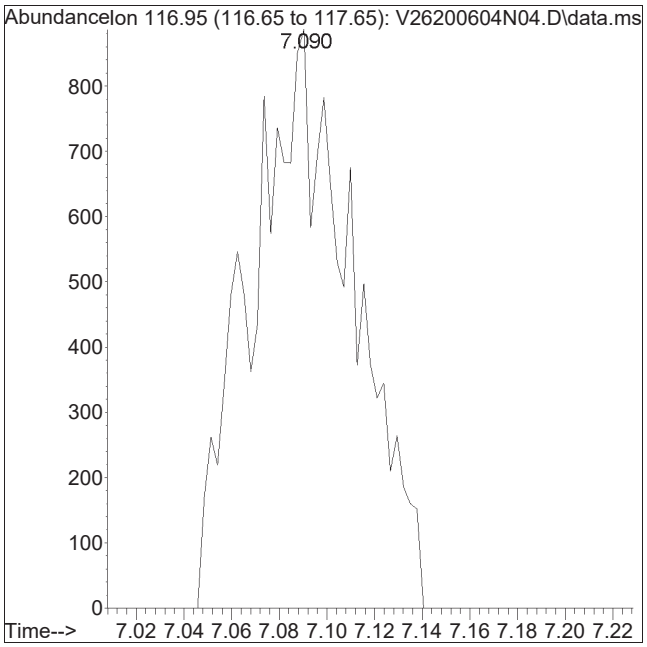
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N04.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 6:50 pm Instrument : VOA126
Sample : i8260stdl1ppb Quant Date : 6/5/2020 12:37 pm

Compound #27: Halothane



Original Peak Response = 479



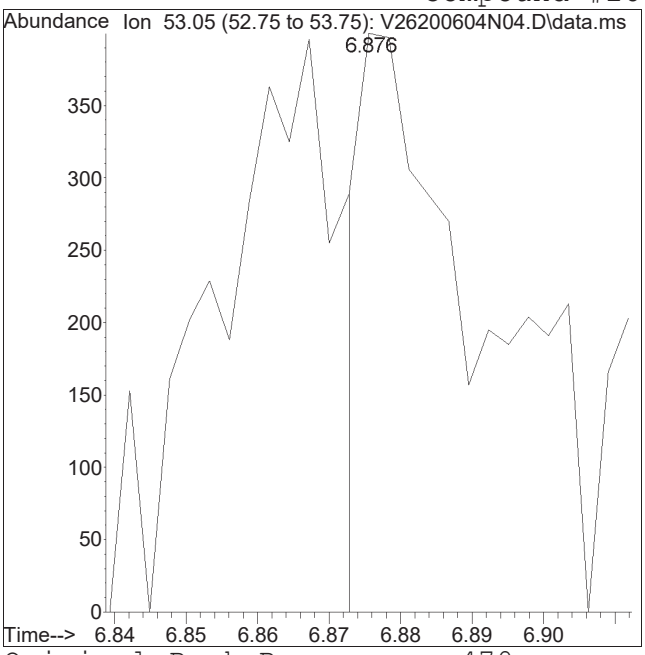
Manual Peak Response = 2640 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

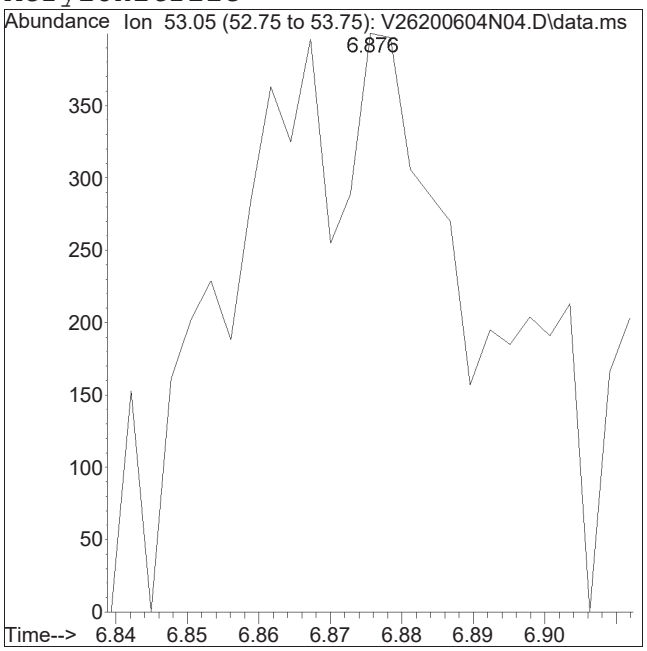
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N04.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 6:50 pm Instrument : VOA126
Sample : i8260stdl1ppb Quant Date : 6/5/2020 12:37 pm

Compound #28: Acrylonitrile



Original Peak Response = 470



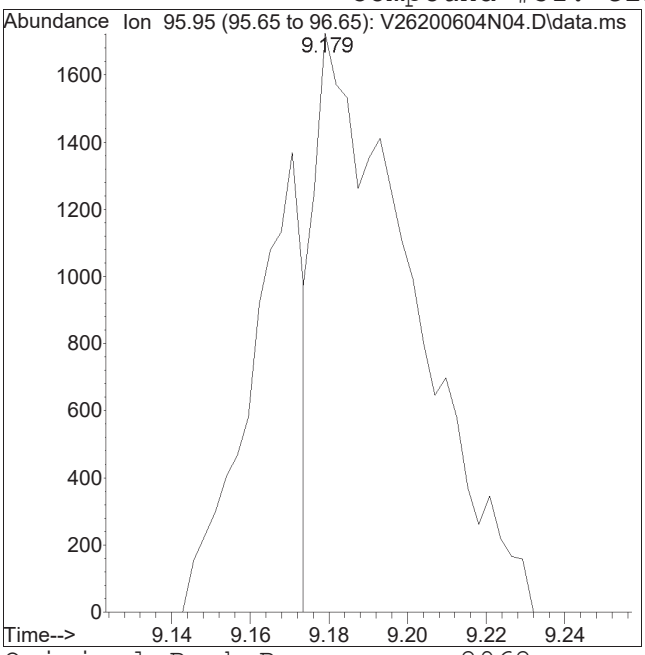
Manual Peak Response = 920 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

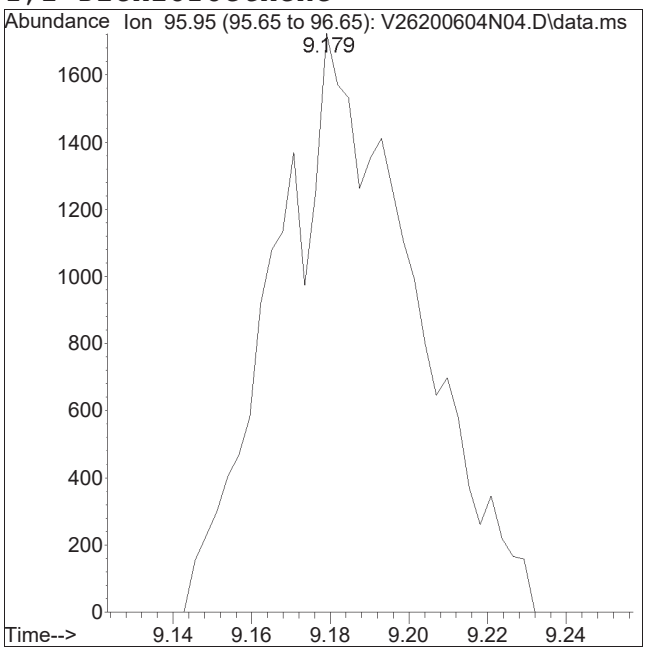
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N04.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 6:50 pm Instrument : VOA126
Sample : i8260stdl1ppb Quant Date : 6/5/2020 12:37 pm

Compound #31: cis-1,2-Dichloroethene



Original Peak Response = 2962



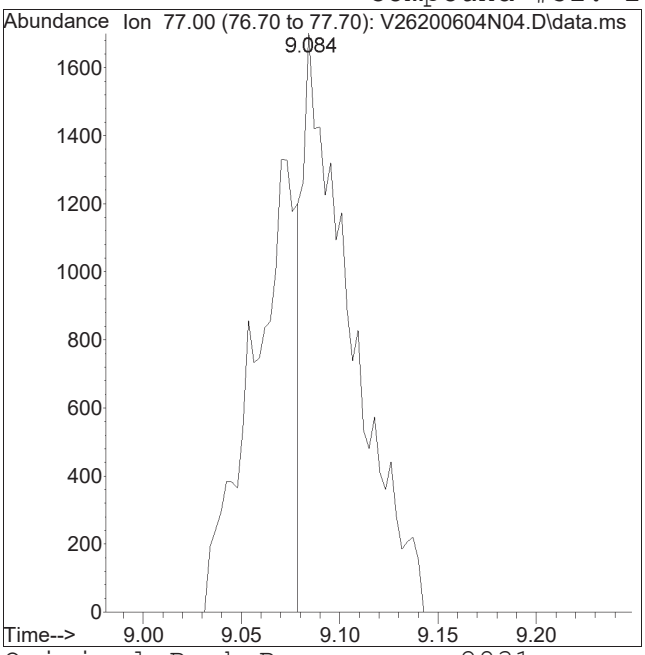
Manual Peak Response = 4235 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

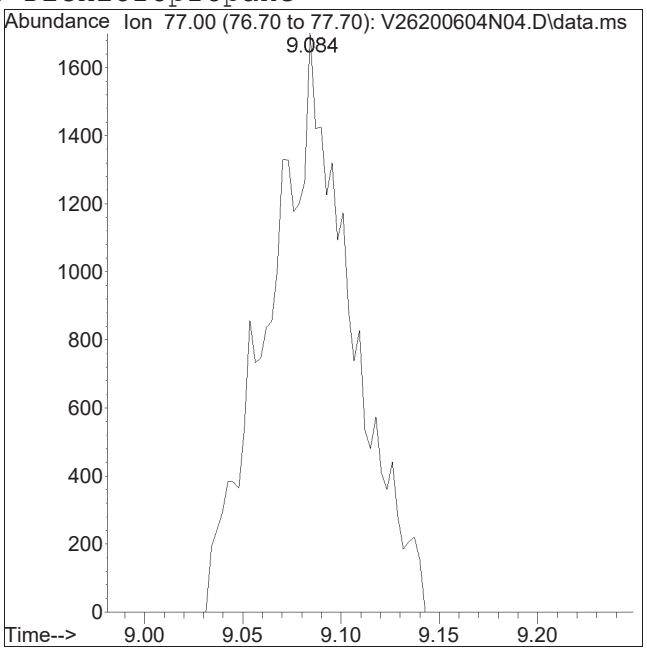
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N04.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 6:50 pm Instrument : VOA126
Sample : i8260stdl1ppb Quant Date : 6/5/2020 12:37 pm

Compound #32: 2,2-Dichloropropane



Original Peak Response = 2831



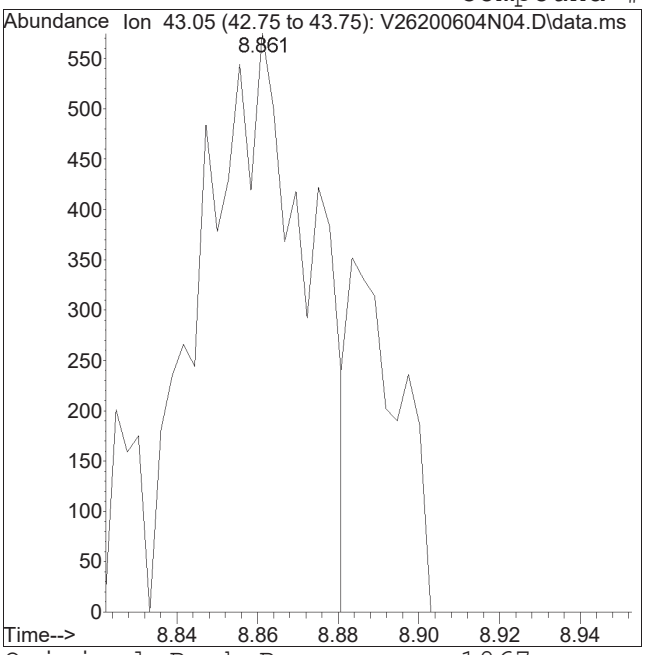
Manual Peak Response = 4918 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

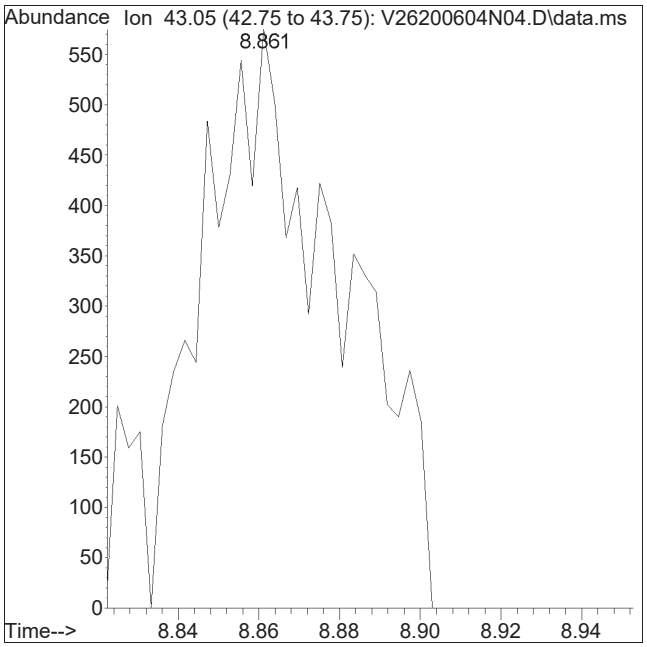
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N04.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 6:50 pm Instrument : VOA126
Sample : i8260stdl1ppb Quant Date : 6/5/2020 12:37 pm

Compound #42: 2-Butanone



Original Peak Response = 1067



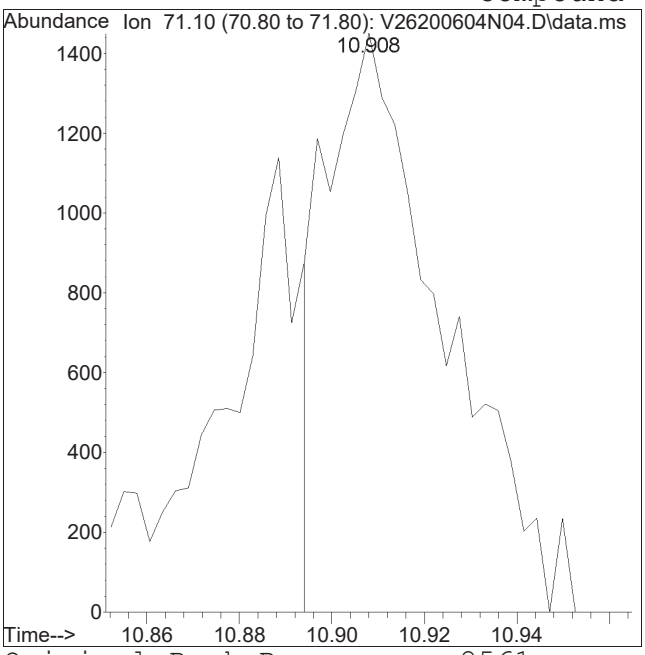
Manual Peak Response = 1370 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

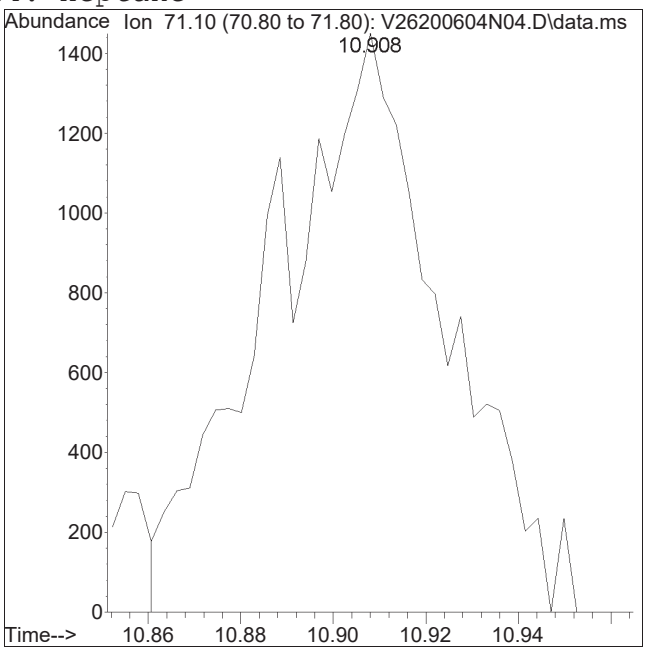
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N04.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 6:50 pm Instrument : VOA126
Sample : i8260stdl1ppb Quant Date : 6/5/2020 12:37 pm

Compound #44: Heptane



Original Peak Response = 2561



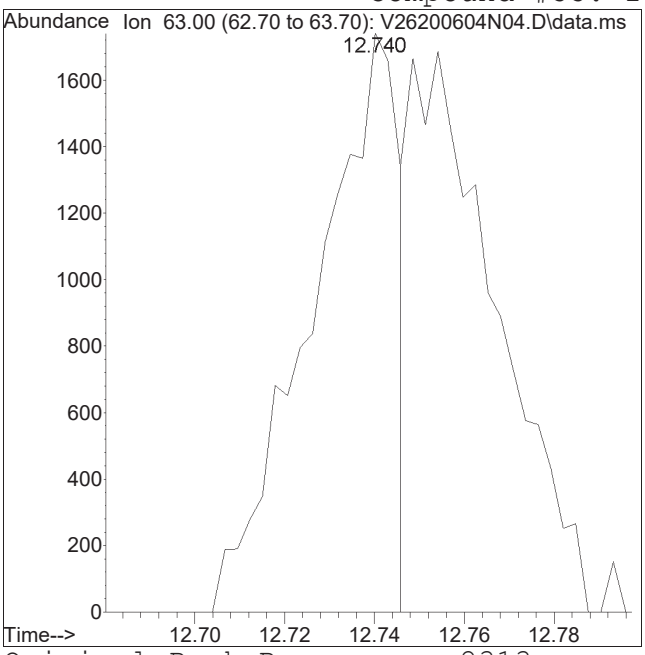
Manual Peak Response = 3728 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

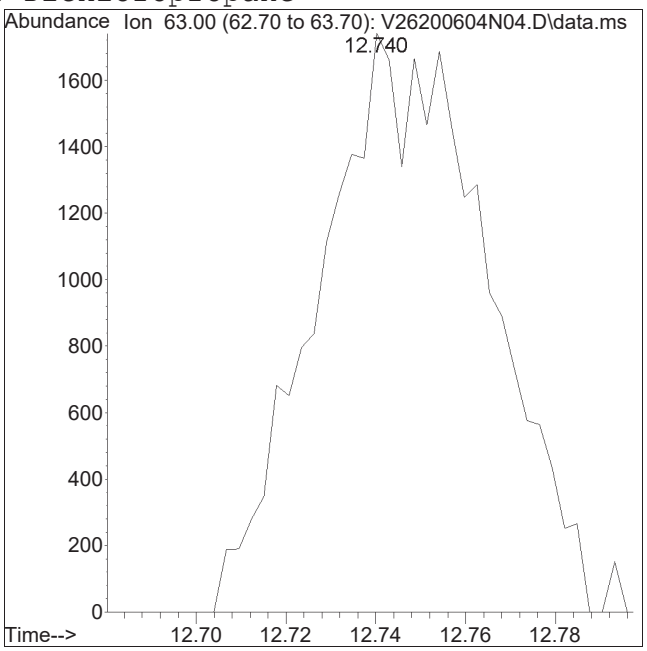
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N04.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 6:50 pm Instrument : VOA126
Sample : i8260stdl1ppb Quant Date : 6/5/2020 12:37 pm

Compound #55: 1,2-Dichloropropane



Original Peak Response = 2313



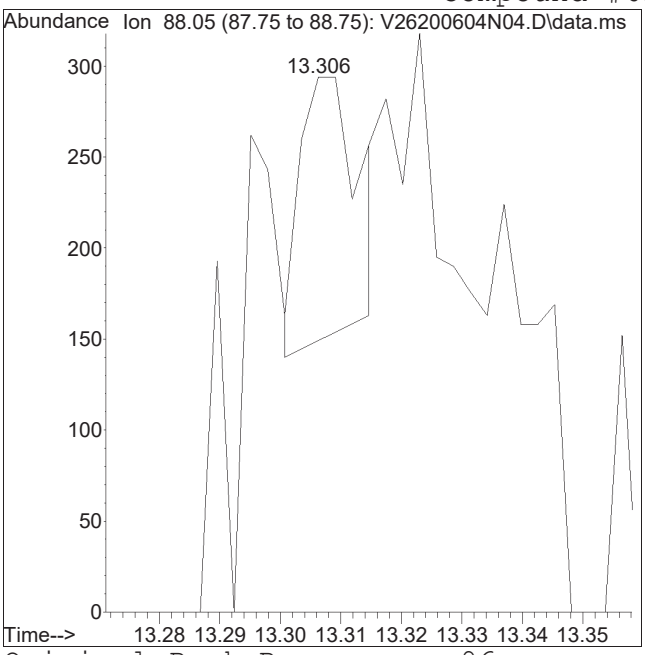
Manual Peak Response = 4569 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

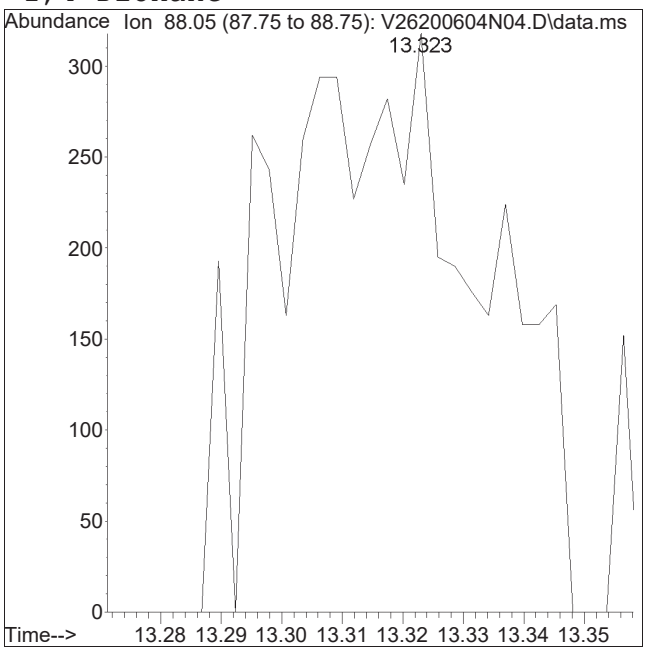
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N04.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 6:50 pm Instrument : VOA126
Sample : i8260stdl1ppb Quant Date : 6/5/2020 12:37 pm

Compound #61: 1,4-Dioxane



Original Peak Response = 96



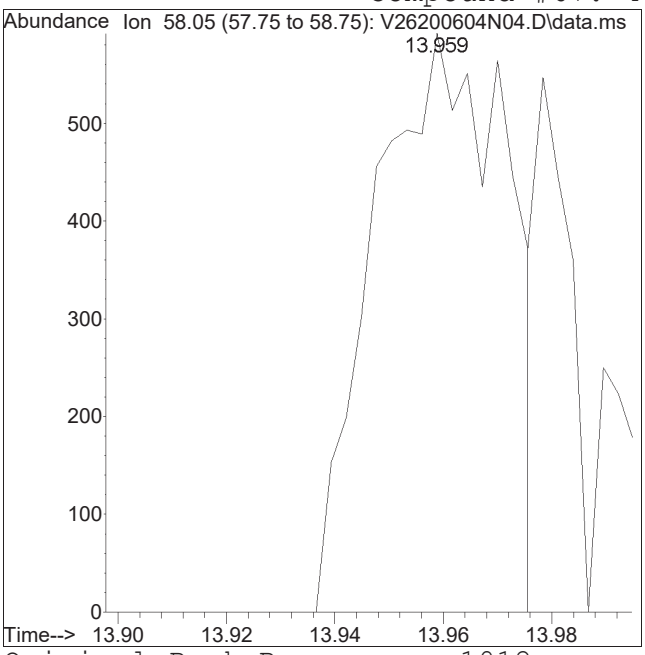
Manual Peak Response = 746 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

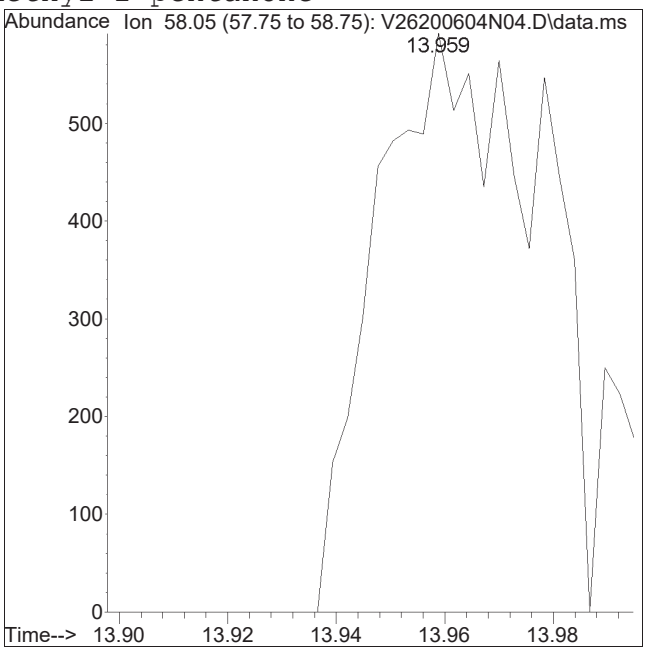
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N04.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 6:50 pm Instrument : VOA126
Sample : i8260stdl1ppb Quant Date : 6/5/2020 12:37 pm

Compound #67: 4-Methyl-2-pentanone



Original Peak Response = 1012



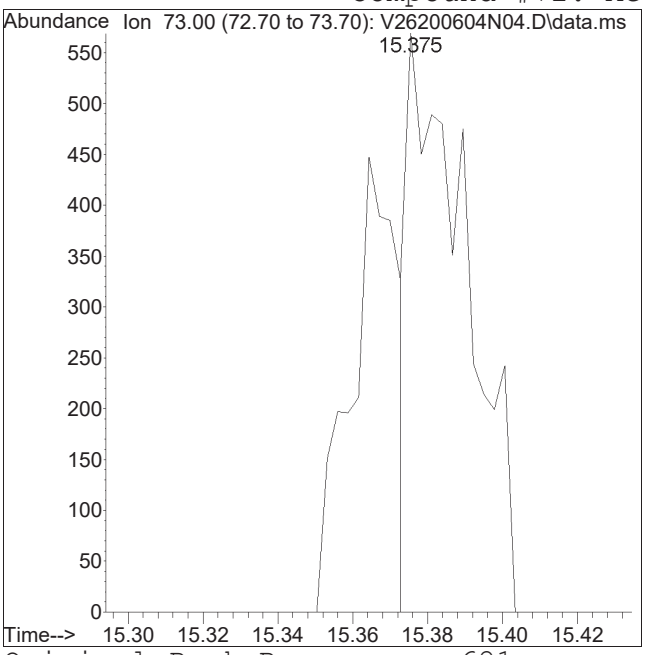
Manual Peak Response = 1238 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

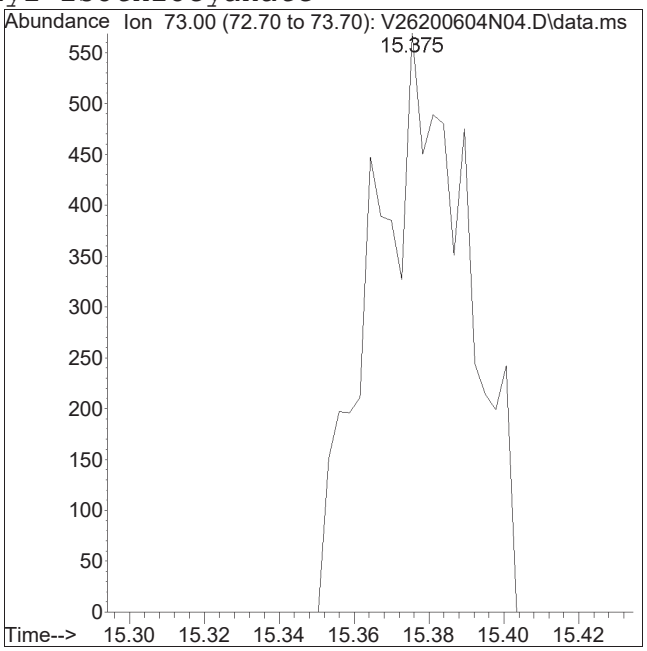
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N04.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 6:50 pm Instrument : VOA126
Sample : i8260stdl1ppb Quant Date : 6/5/2020 12:37 pm

Compound #72: Methyl isothiocyanate



Original Peak Response = 621



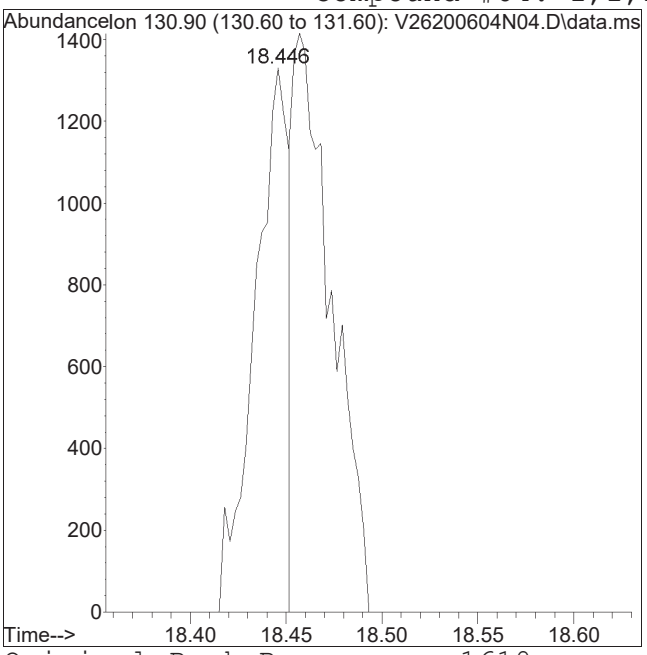
Manual Peak Response = 1007 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

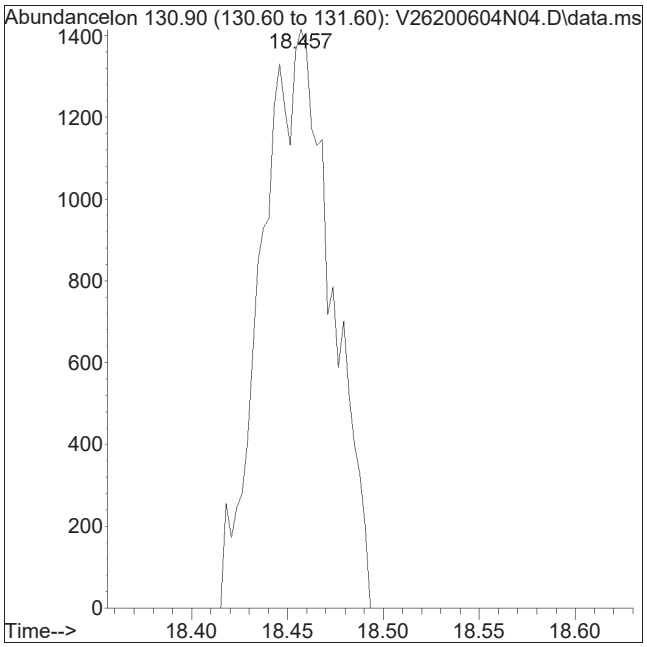
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N04.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 6:50 pm Instrument : VOA126
Sample : i8260stdl1ppb Quant Date : 6/5/2020 12:37 pm

Compound #84: 1,1,1,2-Tetrachloroethane



Original Peak Response = 1610



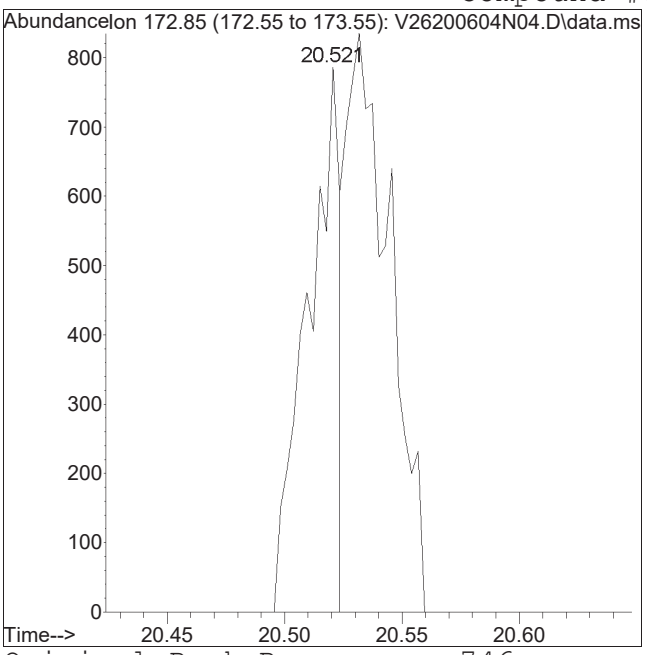
Manual Peak Response = 3592 M1

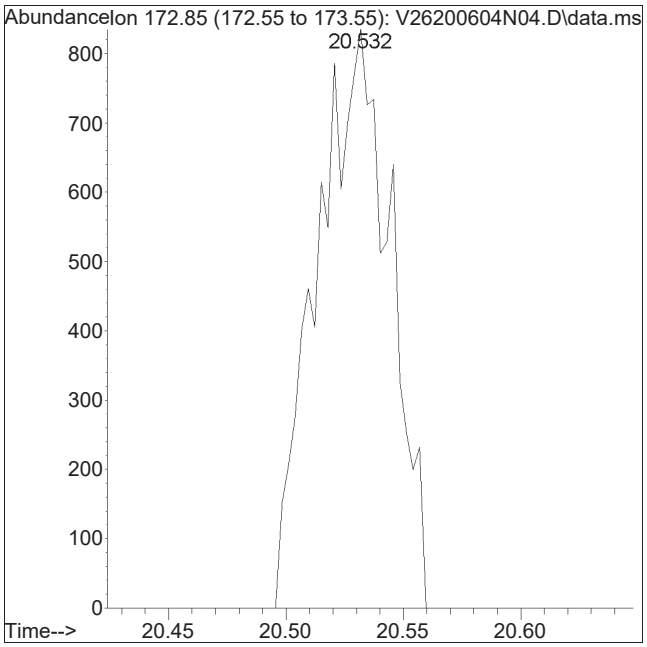
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N04.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 6:50 pm Instrument : VOA126
Sample : i8260stdl1ppb Quant Date : 6/5/2020 12:37 pm

Compound #89: Bromoform





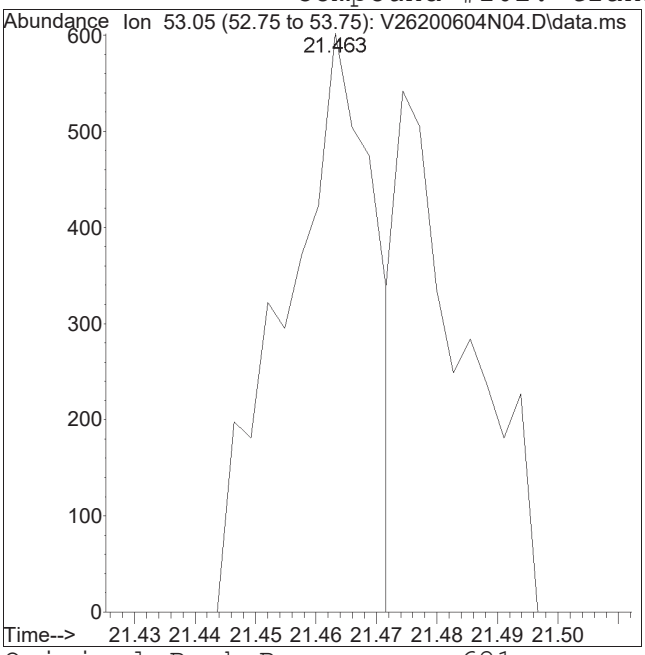
Original Peak Response = 746 Manual Peak Response = 1826 M1

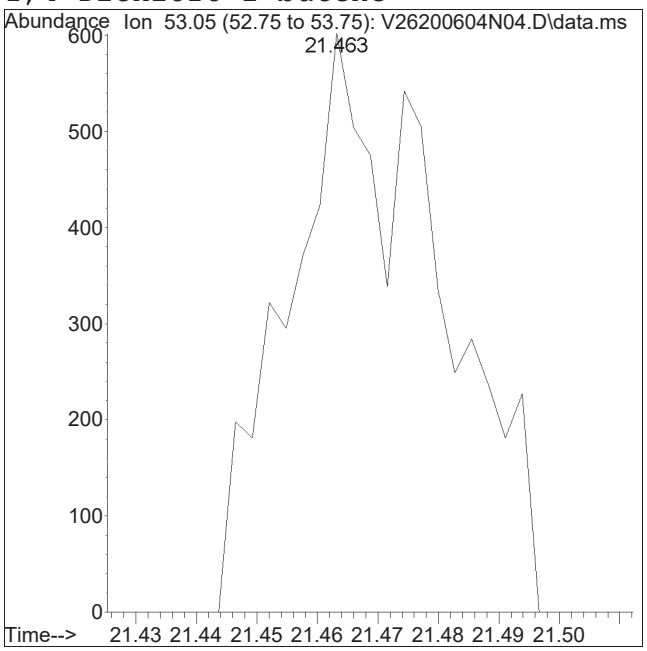
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N04.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 6:50 pm Instrument : VOA126
Sample : i8260stdl1ppb Quant Date : 6/5/2020 12:37 pm

Compound #102: trans-1,4-Dichloro-2-butene





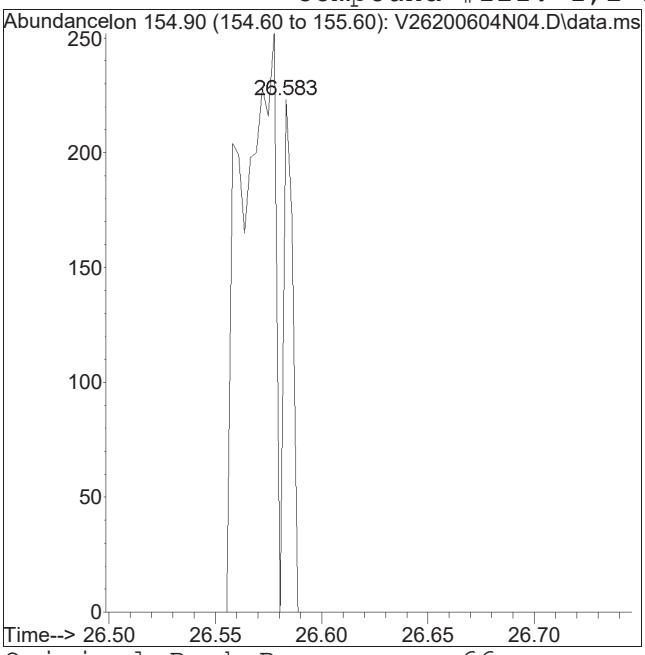
Original Peak Response = 621 Manual Peak Response = 1049 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

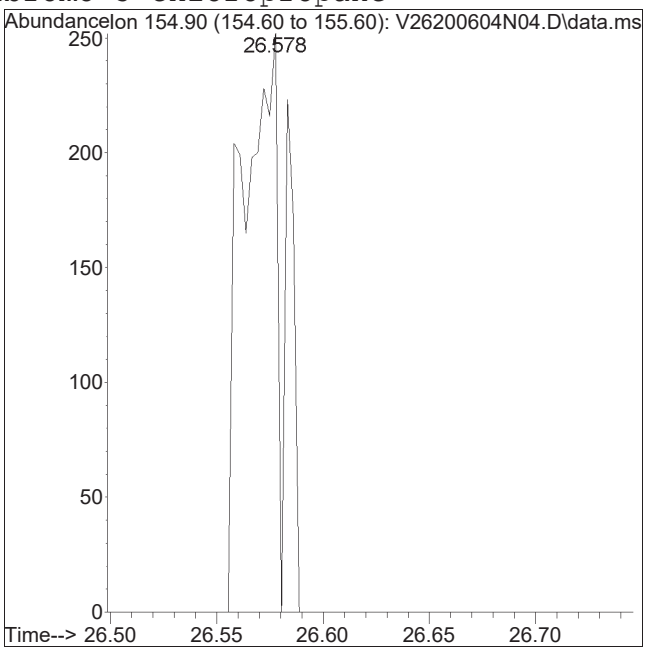
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N04.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 6:50 pm Instrument : VOA126
Sample : i8260stdl1ppb Quant Date : 6/5/2020 12:37 pm

Compound #121: 1,2-Dibromo-3-chloropropane



Original Peak Response = 66



Manual Peak Response = 344 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N05.D
Acq On : 04 Jun 2020 07:30 pm
Operator : VOA126:JC
Sample : i8260stdl2ppb
Misc : WG1378377,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 12:39:22 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:38:48 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	11.561	96	321301	20.000 ug/L	0.00
Standard Area 1 = 320322			Recovery = 100.31%		
63) Chlorobenzene-d5	18.265	117	276113	20.000 ug/L	0.00
Standard Area 1 = 269772			Recovery = 102.35%		
88) 1,4-Dichlorobenzene-d4	23.920	152	144797	20.000 ug/L	0.00
Standard Area 1 = 141486			Recovery = 102.34%		
System Monitoring Compounds					
39) Dibromofluoromethane	9.932	113	84465	20.232 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.16%		
47) 1,2-Dichloroethane-d4	10.925	65	84255	19.873 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.37%		
65) Toluene-d8	14.899	98	342955	19.888 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.44%		
92) 4-Bromofluorobenzene	21.104	95	140889	19.987 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.94%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.693	85	4393	1.836 ug/L #	62
3) Chlorodifluoromethane	2.684	51	12337	2.078 ug/L #	76
4) Chloromethane	3.075	50	11560M1	2.493 ug/L	
5) Vinyl chloride	3.245	62	7134M1	2.054 ug/L	
6) Bromomethane	3.975	94	6451M1	2.524 ug/L	
7) Chloroethane	4.109	64	5746M1	2.129 ug/L	
8) Trichlorofluoromethane	4.556	101	9187M1	1.915 ug/L	
9) Ethyl ether	5.119	74	3220M1	2.001 ug/L	
11) 1,1-Dichloroethene	5.682	96	5887	2.001 ug/L #	77
12) Carbon disulfide	6.597	76	32782	3.373 ug/L	99
13) Freon-113	5.348	101	5252M1	1.847 ug/L	
14) Iodomethane	6.254	142	4365M1	2.627 ug/L	
15) Acrolein	5.370	56	1156M1	2.002 ug/L	
16) Allyl chloride	6.396	76	4016M1	2.002 ug/L	
17) Methylene chloride	6.605	84	9469	2.586 ug/L	75
19) Acetone	5.495	43	4536M1	2.118 ug/L	
20) trans-1,2-Dichloroethene	7.166	96	7238	2.071 ug/L	80
21) Methyl acetate	6.340	43	5017	2.094 ug/L #	69
22) Hexane	7.274	57	15291M1	1.963 ug/L	
23) Methyl tert-butyl ether	6.906	73	16478	2.037 ug/L	91
24) tert-Butyl alcohol	5.883	59	3694M1	9.904 ug/L	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N05.D
Acq On : 04 Jun 2020 07:30 pm
Operator : VOA126:JC
Sample : i8260stdl2ppb
Misc : WG1378377,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 12:39:22 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:38:48 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Diisopropyl ether	7.782	45	31555M1	2.118	ug/L		
26) 1,1-Dichloroethane	7.997	63	16000	2.150	ug/L	#	54
27) Halothane	7.096	117	5333	2.009	ug/L		87
28) Acrylonitrile	6.876	53	2501M1	2.139	ug/L		
29) Ethyl tert-butyl ether	8.588	59	26066	2.033	ug/L	#	79
30) Vinyl acetate	8.013	43	13339	1.947	ug/L	#	80
31) cis-1,2-Dichloroethene	9.179	96	8532	2.189	ug/L		84
32) 2,2-Dichloropropane	9.082	77	9765	2.005	ug/L	#	69
33) Bromochloromethane	9.832	128	3692	2.217	ug/L	#	75
34) Cyclohexane	10.289	56	13654	1.845	ug/L		79
35) Chloroform	9.494	83	14834	2.246	ug/L		97
36) Ethyl acetate	9.193	43	6237M1	2.122	ug/L		
37) Carbon tetrachloride	10.777	117	8820	1.854	ug/L	#	29
38) Tetrahydrofuran	9.921	42	1882	2.043	ug/L	#	64
40) 1,1,1-Trichloroethane	10.272	97	11599M1	2.133	ug/L		
42) 2-Butanone	8.853	43	2841M1	2.037	ug/L		
43) 1,1-Dichloropropene	10.582	75	8836	1.970	ug/L	#	69
44) Heptane	10.908	71	7359M1	2.016	ug/L		
45) Benzene	11.131	78	30632	2.159	ug/L		93
46) tert-Amyl methyl ether	10.824	73	17556	1.998	ug/L	#	83
48) 1,2-Dichloroethane	11.115	62	11048	2.180	ug/L		93
51) Methyl cyclohexane	12.473	83	9833	1.813	ug/L	#	68
52) Trichloroethene	12.372	95	7738	2.096	ug/L		99
54) Dibromomethane	13.348	93	4072	2.124	ug/L		97
55) 1,2-Dichloropropane	12.751	63	9060	2.083	ug/L		96
57) 2-Chloroethyl vinyl ether	13.900	63	1874	0.982	ug/L	#	87
58) Bromodichloromethane	13.234	83	9652	2.036	ug/L		98
60) Methyl methacrylate	12.891	69	3788	1.886	ug/L		83
61) 1,4-Dioxane	13.309	88	2090M1	77.876	ug/L		
62) cis-1,3-Dichloropropene	14.394	75	10619	1.988	ug/L		96
64) Octane	14.600	85	6935	1.837	ug/L	#	81
66) Toluene	15.063	92	20054	2.135	ug/L		99
67) 4-Methyl-2-pentanone	13.956	58	2487	1.825	ug/L	#	83
68) Tetrachloroethene	16.488	166	8488	2.117	ug/L		98
69) 2-Nitropropane	13.401	41	1249	1.833	ug/L	#	98
71) trans-1,3-Dichloropropene	15.490	75	9097	1.975	ug/L		98
72) Methyl isothiocyanate	15.378	73	2293	3.700	ug/L	#	82
74) Ethyl methacrylate	15.473	69	6439	1.801	ug/L		98
75) 1,1,2-Trichloroethane	15.827	83	4844	2.069	ug/L		98
76) Chlorodibromomethane	16.954	129	6723	1.982	ug/L		97

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N05.D
Acq On : 04 Jun 2020 07:30 pm
Operator : VOA126:JC
Sample : i8260stdl2ppb
Misc : WG1378377,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 12:39:22 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:38:48 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
77) 1,3-Dichloropropane	16.388	76	10050	2.088	ug/L		98
78) 1,2-Dibromoethane	17.420	107	5289	1.979	ug/L		98
79) n-Butyl Acetate	16.399	43	11790	1.901	ug/L	#	47
80) 2-Hexanone	15.858	43	4261	1.862	ug/L	#	90
81) Nonane	18.047	57	17059	1.866	ug/L	#	85
82) Chlorobenzene	18.348	112	22778	2.167	ug/L		99
83) Ethylbenzene	18.474	91	37509	2.124	ug/L		98
84) 1,1,1,2-Tetrachloroethane	18.452	131	7000	1.986	ug/L		97
85) p/m Xylene	18.652	106	28652	4.230	ug/L		88
86) o Xylene	19.662	106	27251	4.230	ug/L		86
87) Styrene	19.748	104	44443	4.146	ug/L		97
89) Bromoform	20.532	173	3773	1.876	ug/L		100
91) Isopropylbenzene	20.507	105	35565	2.043	ug/L		95
93) Bromobenzene	21.539	156	9266	2.194	ug/L		99
94) Decane	21.207	57	20852	1.907	ug/L	#	84
95) n-Propylbenzene	21.458	91	43175	2.084	ug/L		96
96) 1,4-Dichlorobutane	20.758	55	12949	2.147	ug/L		95
97) 1,1,2,2-Tetrachloroethane	20.933	83	7015	2.089	ug/L		97
98) 4-Ethyltoluene	21.734	105	36224	2.101	ug/L		97
99) 2-Chlorotoluene	21.865	91	29304	2.137	ug/L		97
100) 1,3,5-Trimethylbenzene	21.843	105	31288	2.141	ug/L		93
101) 1,2,3-Trichloropropane	21.279	75	5296	2.100	ug/L	#	93
102) trans-1,4-Dichloro-2-b...	21.466	53	2163	1.917	ug/L	#	41
103) 4-Chlorotoluene	21.979	91	28241	2.190	ug/L		97
104) tert-Butylbenzene	22.690	119	24659	1.993	ug/L		98
107) 1,2,4-Trimethylbenzene	22.777	105	31250	2.134	ug/L		95
108) Limonene	23.343	68	6165	1.137	ug/L	#	93
109) sec-Butylbenzene	23.198	105	37139	2.001	ug/L		97
110) p-Isopropyltoluene	23.538	119	32874	2.056	ug/L		98
111) 1,3-Dichlorobenzene	23.733	146	18363	2.186	ug/L		99
112) 1,4-Dichlorobenzene	23.995	146	18124	2.183	ug/L		99
113) trans-Decahydronaphtha...	24.478	138	8975	1.984	ug/L		96
114) Undecane	24.107	57	21701	2.000	ug/L	#	85
115) p-Diethylbenzene	24.536	119	21058	2.153	ug/L		97
116) n-Butylbenzene	24.509	91	38216	2.101	ug/L		96
117) Hexachloroethane	25.621	117	5714	1.802	ug/L	#	83
118) 1,2-Dichlorobenzene	24.846	146	16147	2.140	ug/L		98
119) cis-Decahydronaphthalene	25.917	138	6780	1.922	ug/L		96
120) 1,2,4,5-Tetramethylben...	26.226	119	29102	1.996	ug/L		96
121) 1,2-Dibromo-3-chloropr...	26.578	155	979	1.848	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N05.D
Acq On : 04 Jun 2020 07:30 pm
Operator : VOA126:JC
Sample : i8260stdl2ppb
Misc : WG1378377,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 12:39:22 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:38:48 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
122) 1,3,5-Trichlorobenzene	27.038	180	12525	2.157	ug/L	98
123) Nitrobenzene	0.000		0	N.D.	d	
124) Hexachlorobutadiene	28.491	225	5586	2.069	ug/L	99
125) 1,2,4-Trichlorobenzene	28.234	180	11366	2.166	ug/L	99
126) Naphthalene	28.694	128	22593	2.091	ug/L	100
127) 1,2,3-Trichlorobenzene	29.124	180	10056	2.157	ug/L	99

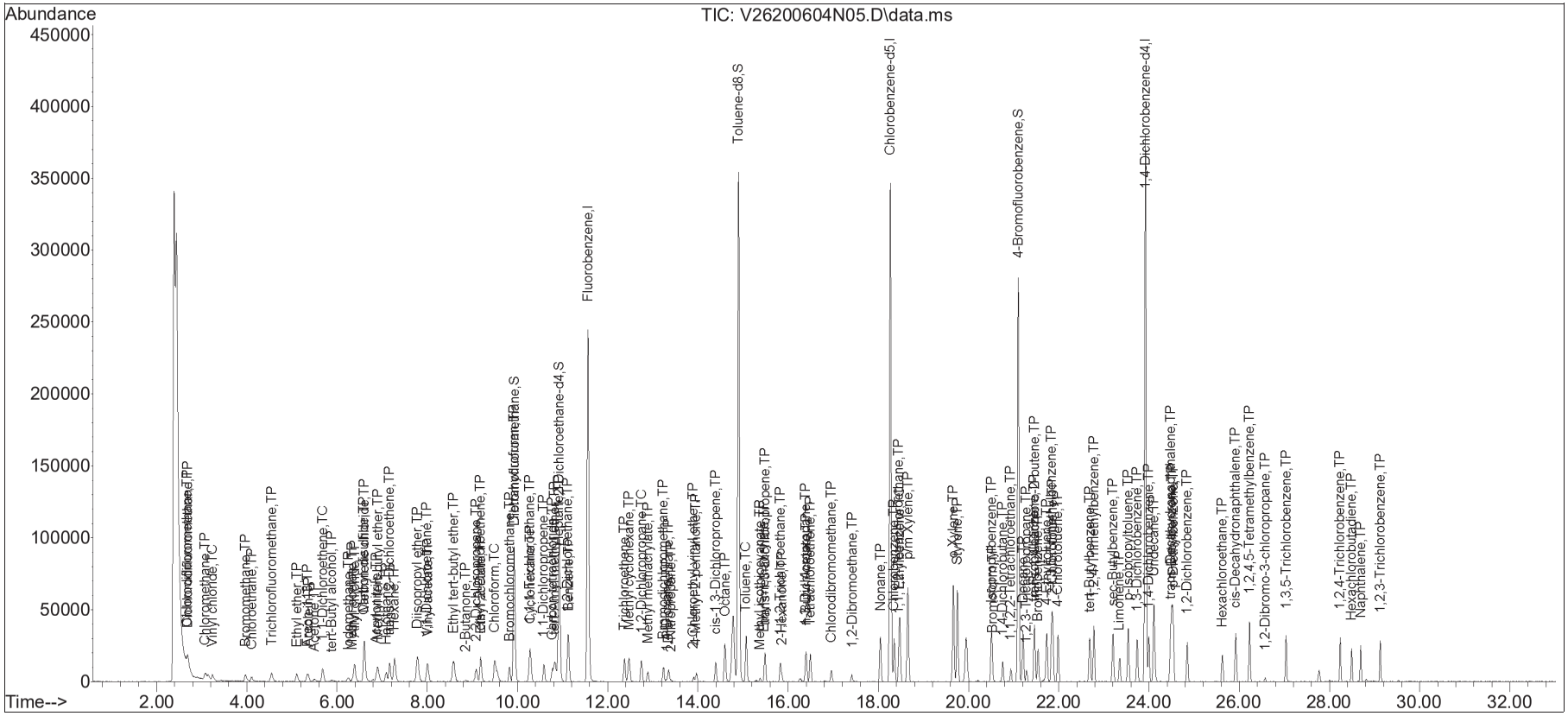
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N05.D
Acq On : 04 Jun 2020 07:30 pm
Operator : VOA126:JC
Sample : i8260stdl2ppb
Misc : WG1378377,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 12:39:22 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:38:48 2020
Response via : Initial Calibration

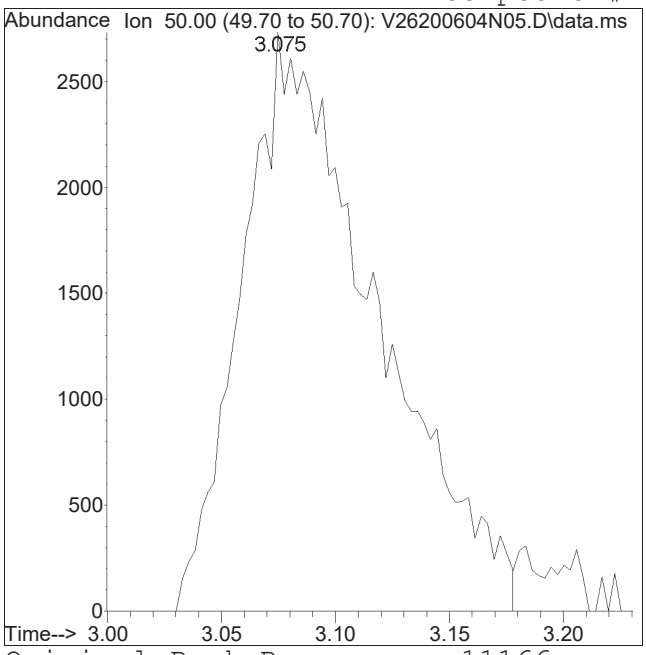
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk00604N08.D•

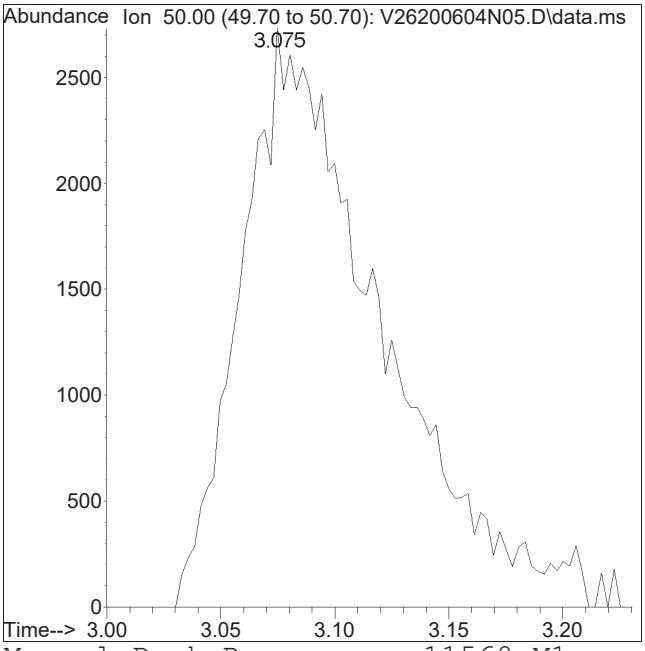


Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N05.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 7:30 pm Instrument : VOA126
Sample : i8260std12ppb Quant Date : 6/5/2020 12:39 pm

Compound #4: Chloromethane





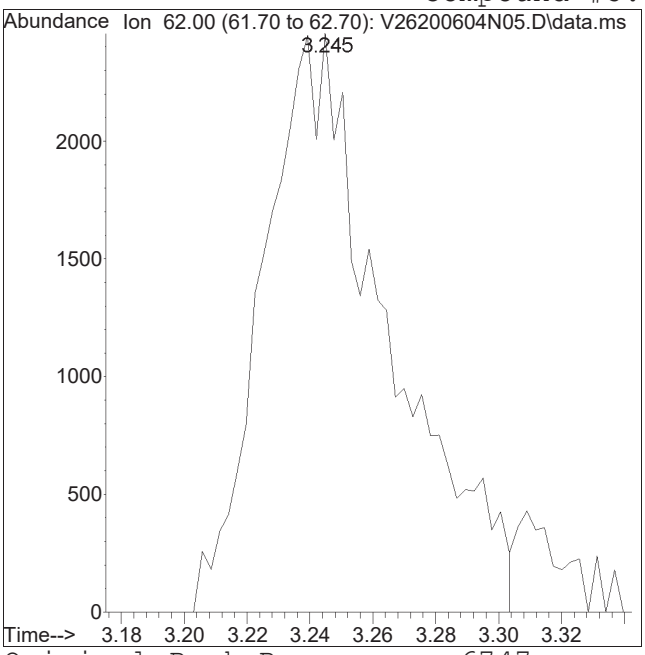
Original Peak Response = 11166 Manual Peak Response = 11560 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

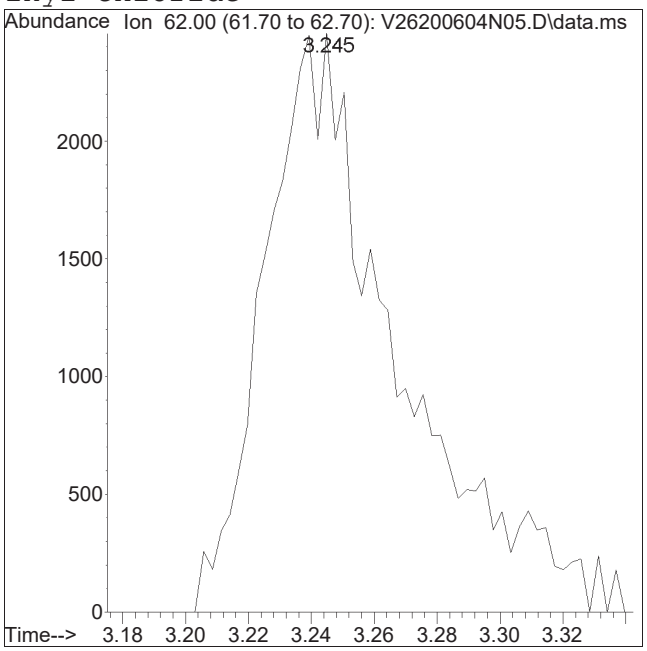
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N05.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 7:30 pm Instrument : VOA126
Sample : i8260stdl2ppb Quant Date : 6/5/2020 12:39 pm

Compound #5: Vinyl chloride



Original Peak Response = 6747



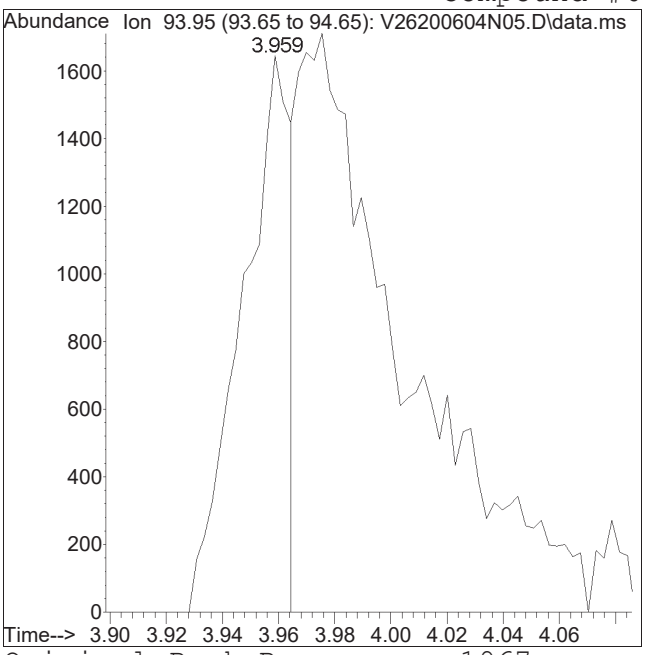
Manual Peak Response = 7134 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

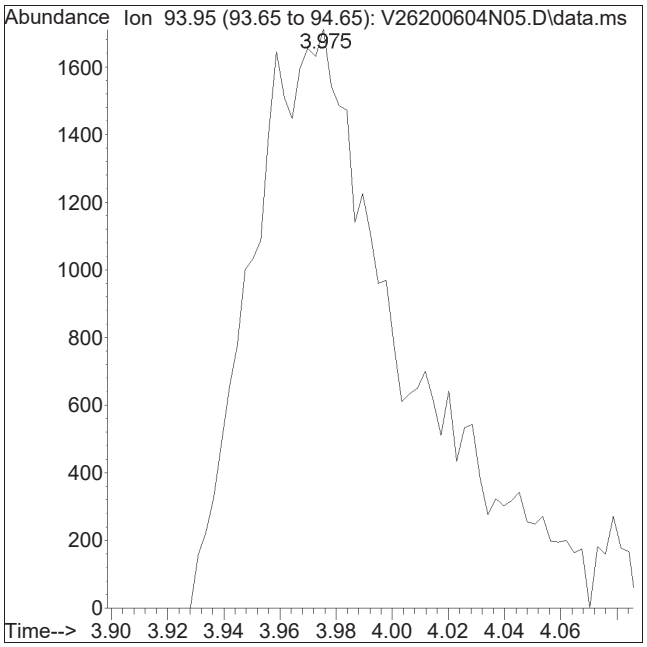
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N05.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 7:30 pm Instrument : VOA126
Sample : i8260stdl2ppb Quant Date : 6/5/2020 12:39 pm

Compound #6: Bromomethane



Original Peak Response = 1967



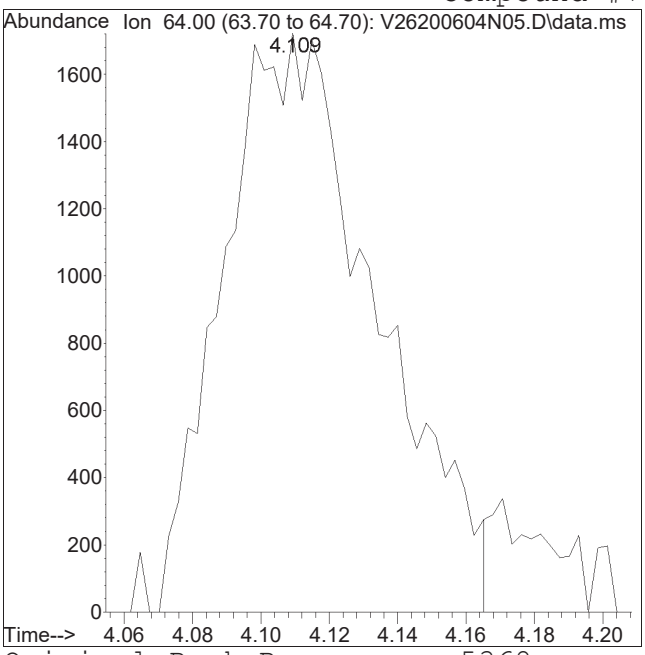
Manual Peak Response = 6451 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

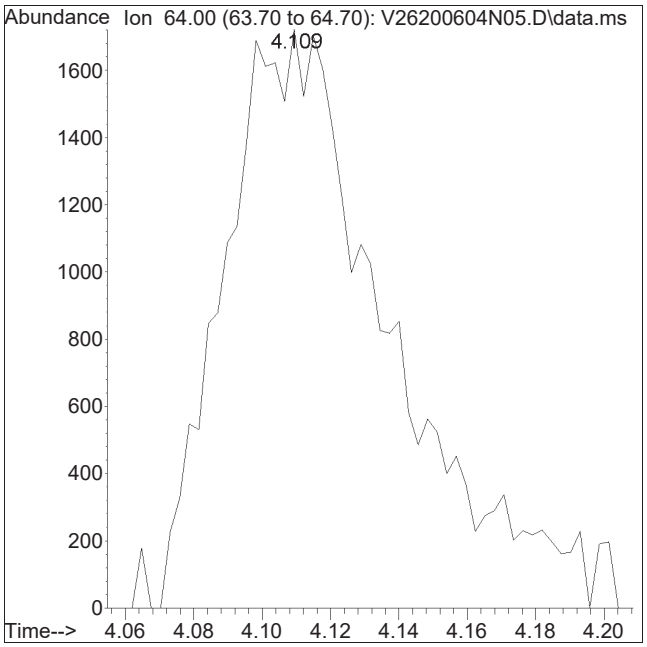
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N05.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 7:30 pm Instrument : VOA126
Sample : i8260stdl2ppb Quant Date : 6/5/2020 12:39 pm

Compound #7: Chloroethane



Original Peak Response = 5368



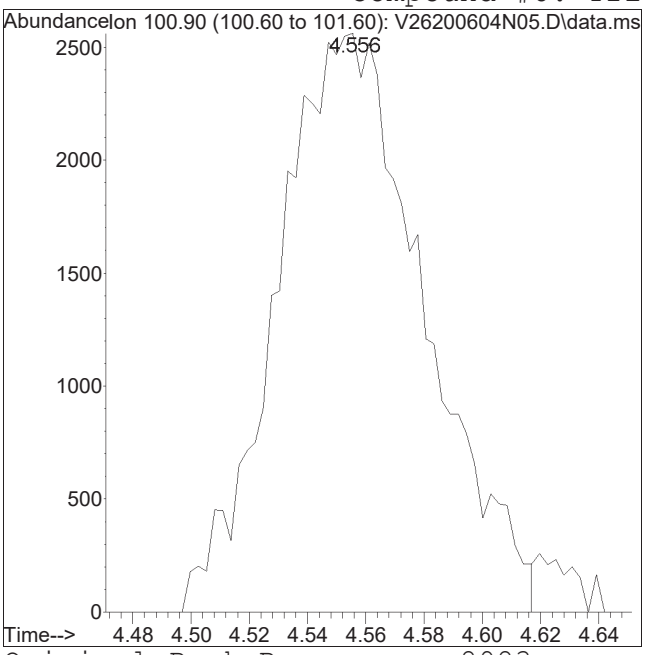
Manual Peak Response = 5746 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

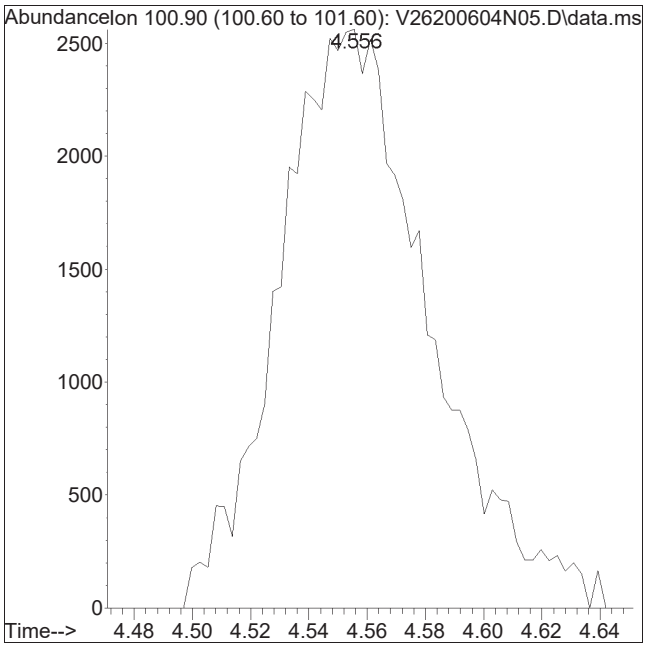
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N05.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 7:30 pm Instrument : VOA126
Sample : i8260stdl2ppb Quant Date : 6/5/2020 12:39 pm

Compound #8: Trichlorofluoromethane



Original Peak Response = 8983



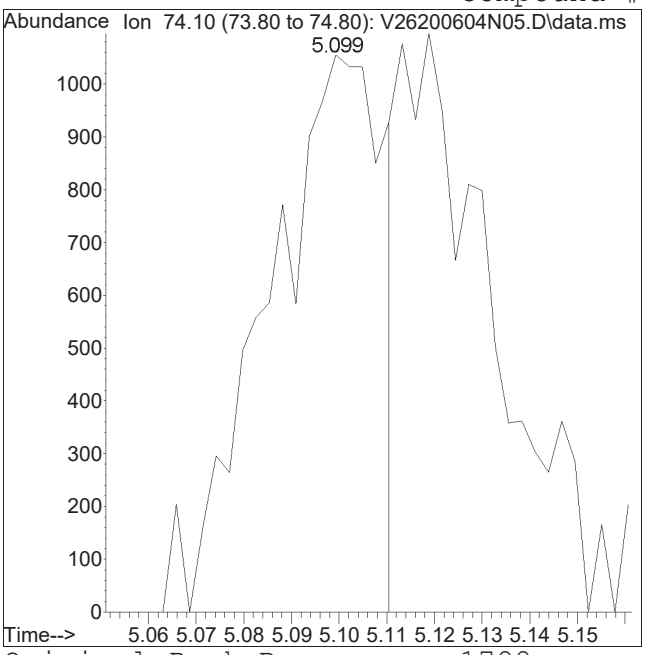
Manual Peak Response = 9187 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

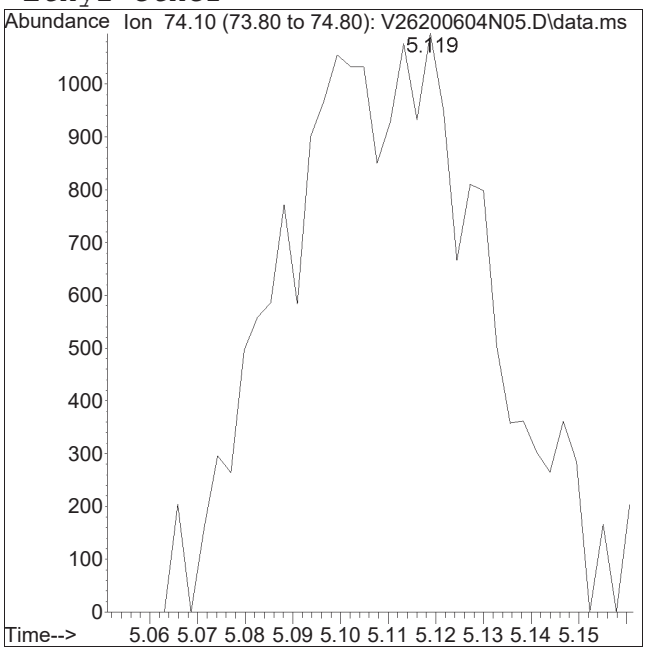
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N05.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 7:30 pm Instrument : VOA126
Sample : i8260stdl2ppb Quant Date : 6/5/2020 12:39 pm

Compound #9: Ethyl ether



Original Peak Response = 1788



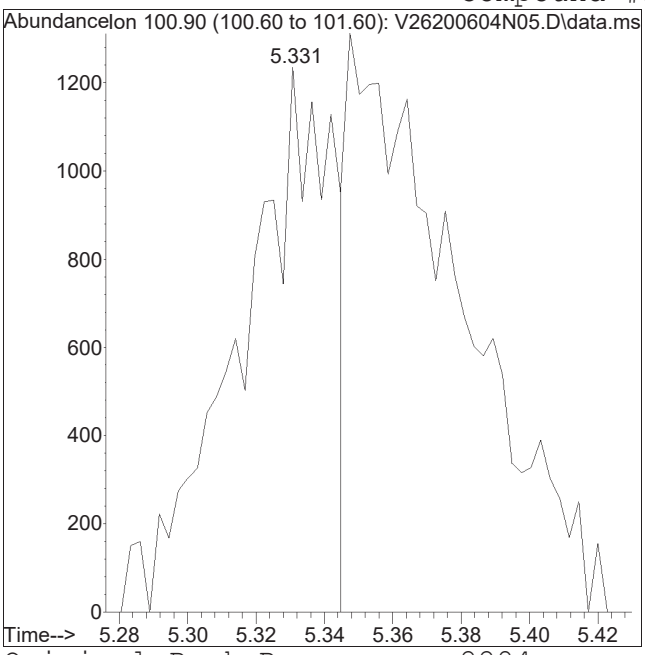
Manual Peak Response = 3220 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

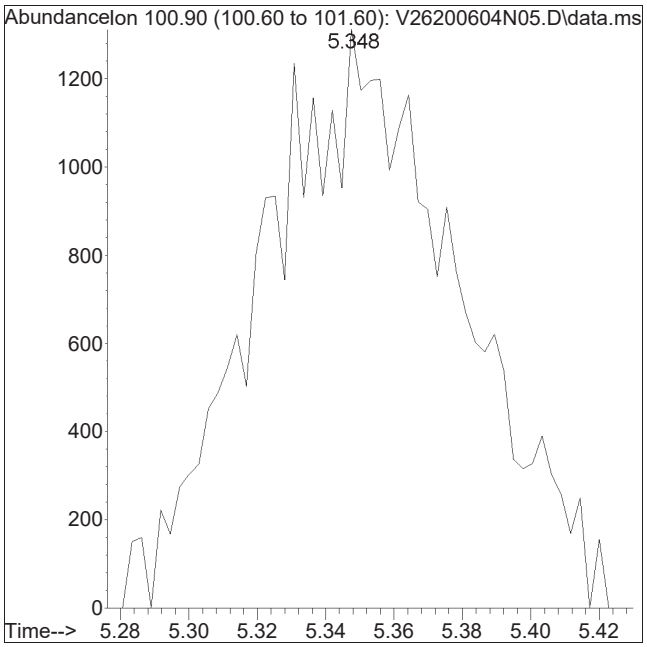
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N05.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 7:30 pm Instrument : VOA126
Sample : i8260stdl2ppb Quant Date : 6/5/2020 12:39 pm

Compound #13: Freon-113



Original Peak Response = 2284



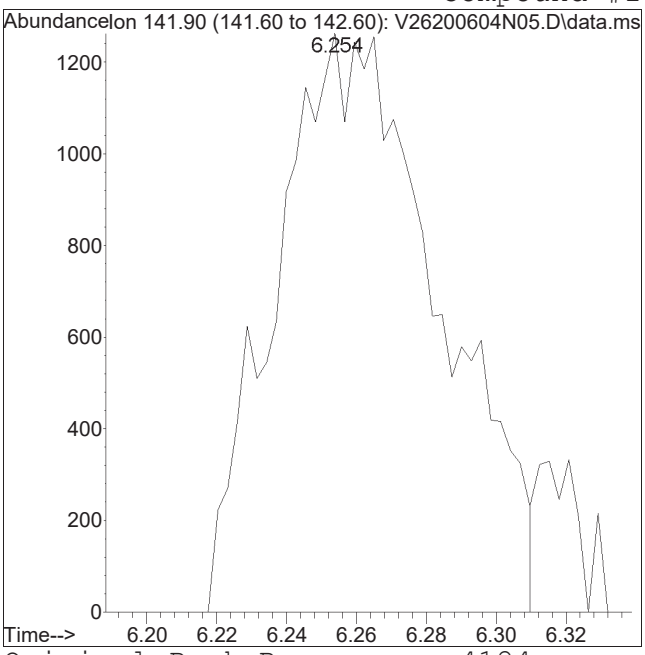
Manual Peak Response = 5252 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

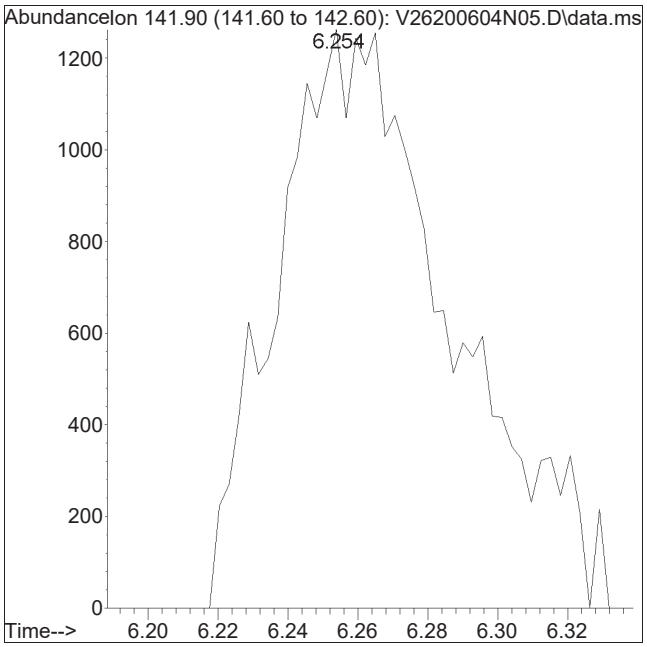
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N05.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 7:30 pm Instrument : VOA126
Sample : i8260stdl2ppb Quant Date : 6/5/2020 12:39 pm

Compound #14: Iodomethane



Original Peak Response = 4124



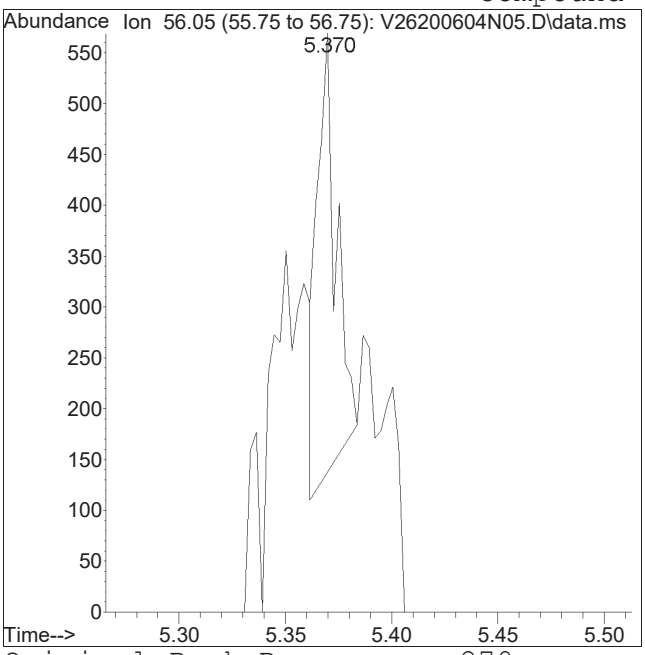
Manual Peak Response = 4365 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

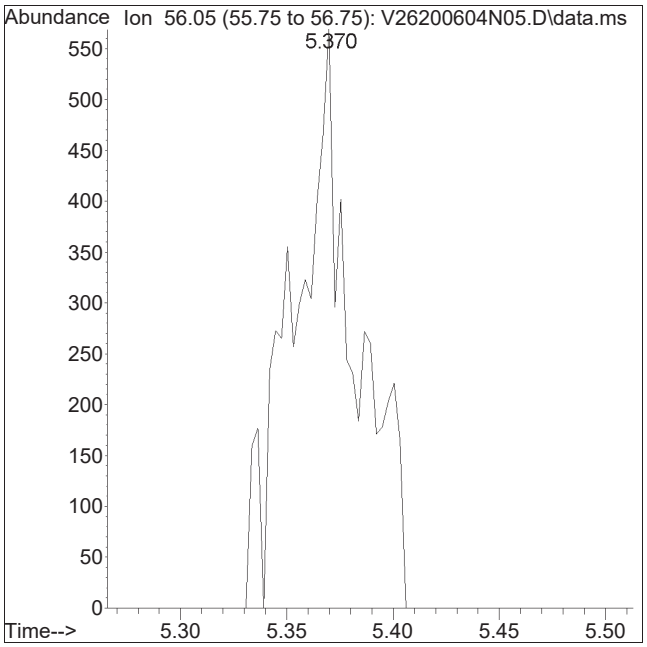
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N05.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 7:30 pm Instrument : VOA126
Sample : i8260stdl2ppb Quant Date : 6/5/2020 12:39 pm

Compound #15: Acrolein



Original Peak Response = 270



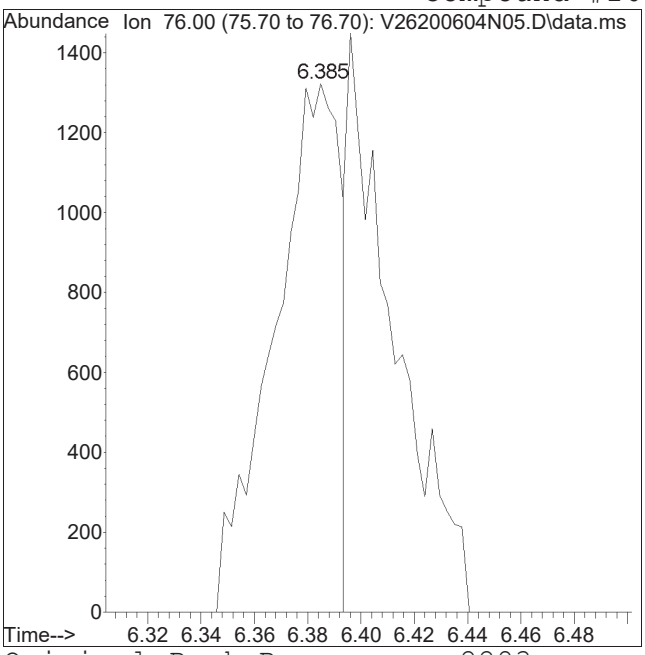
Manual Peak Response = 1156 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

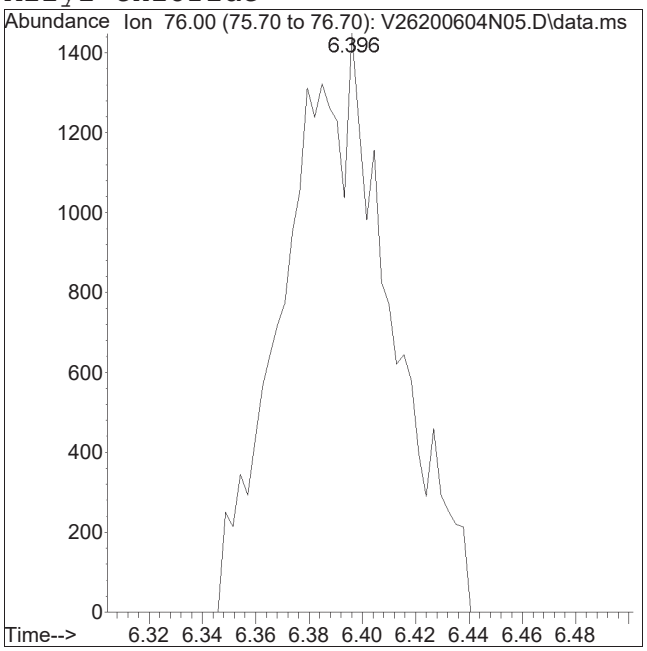
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N05.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 7:30 pm Instrument : VOA126
Sample : i8260stdl2ppb Quant Date : 6/5/2020 12:39 pm

Compound #16: Allyl chloride



Original Peak Response = 2283



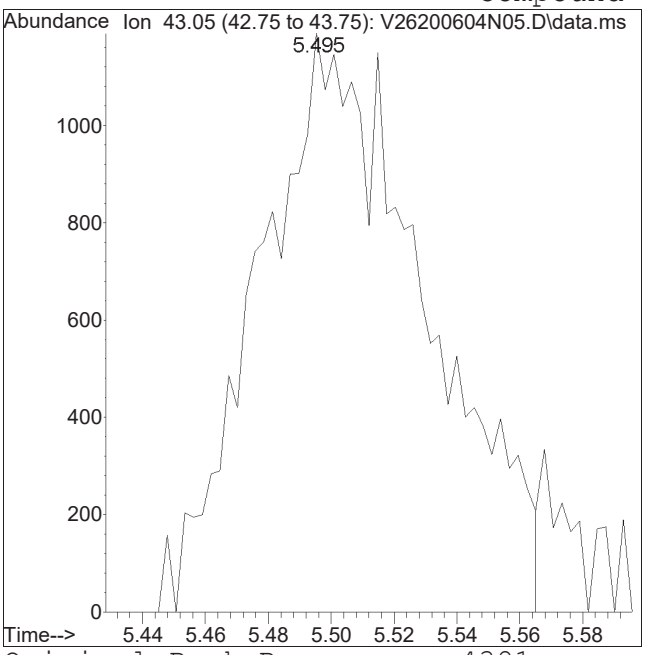
Manual Peak Response = 4016 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

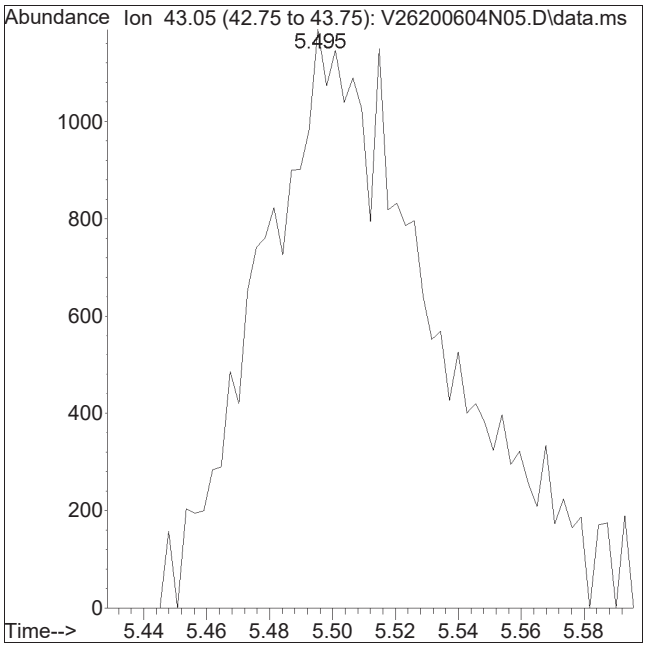
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N05.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 7:30 pm Instrument : VOA126
Sample : i8260stdl2ppb Quant Date : 6/5/2020 12:39 pm

Compound #19: Acetone



Original Peak Response = 4381



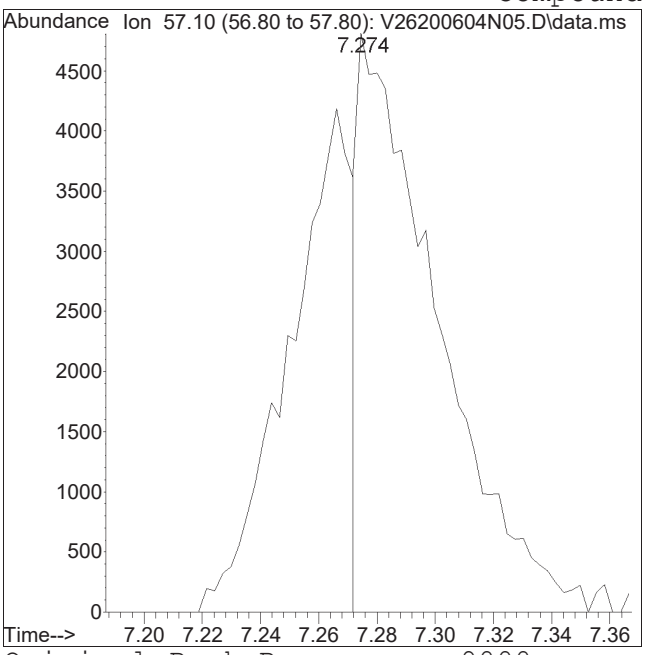
Manual Peak Response = 4536 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

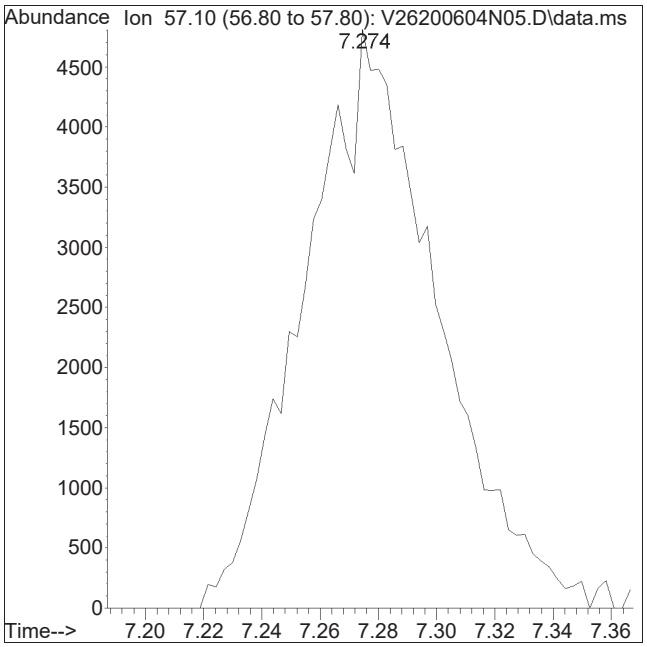
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N05.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 7:30 pm Instrument : VOA126
Sample : i8260stdl2ppb Quant Date : 6/5/2020 12:39 pm

Compound #22: Hexane



Original Peak Response = 9000



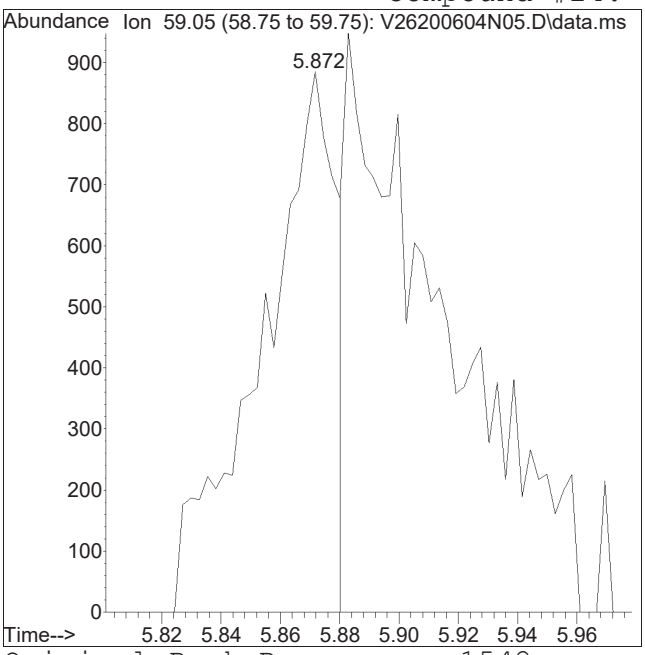
Manual Peak Response = 15291 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

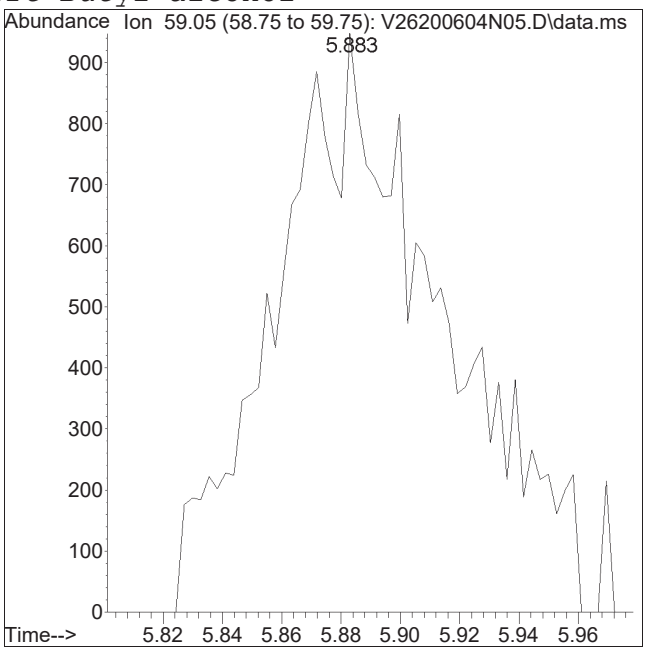
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N05.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 7:30 pm Instrument : VOA126
Sample : i8260stdl2ppb Quant Date : 6/5/2020 12:39 pm

Compound #24: tert-Butyl alcohol



Original Peak Response = 1542



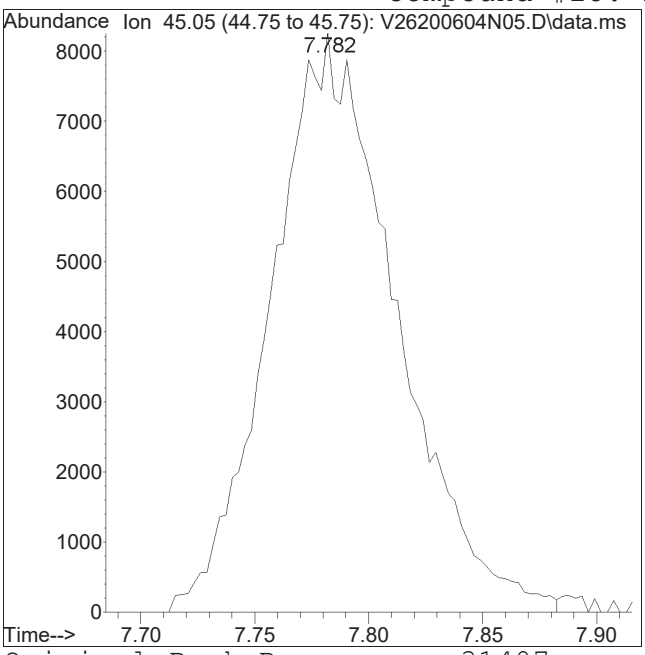
Manual Peak Response = 3694 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

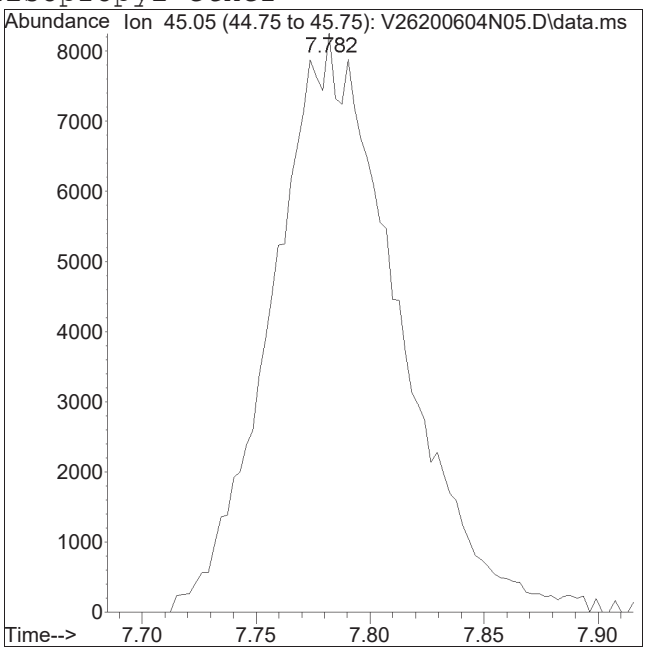
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N05.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 7:30 pm Instrument : VOA126
Sample : i8260stdl2ppb Quant Date : 6/5/2020 12:39 pm

Compound #25: Diisopropyl ether



Original Peak Response = 31407



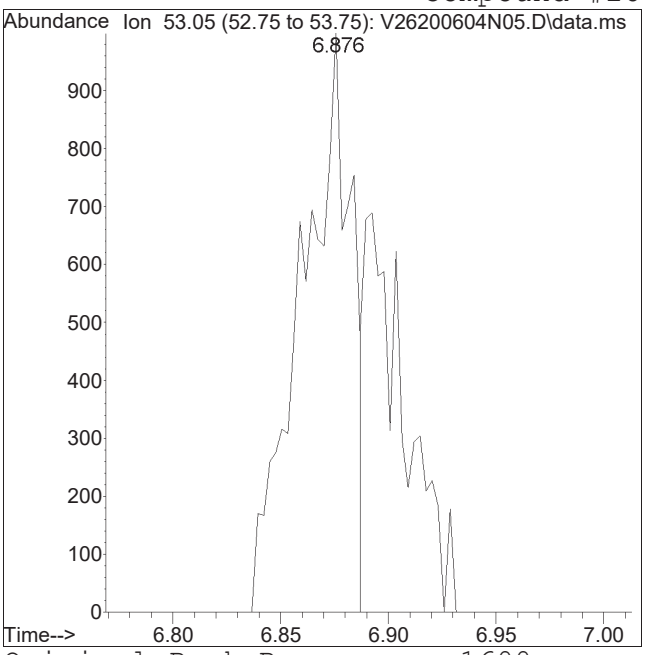
Manual Peak Response = 31555 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

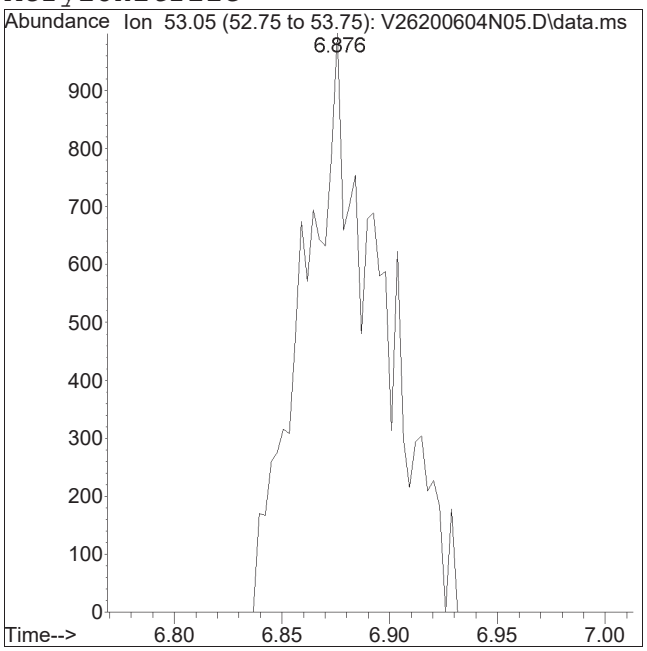
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N05.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 7:30 pm Instrument : VOA126
Sample : i8260stdl2ppb Quant Date : 6/5/2020 12:39 pm

Compound #28: Acrylonitrile



Original Peak Response = 1600



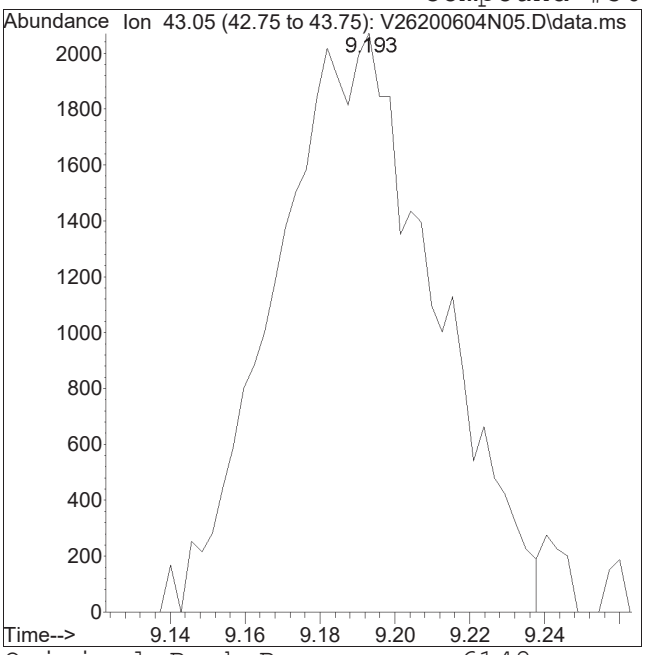
Manual Peak Response = 2501 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

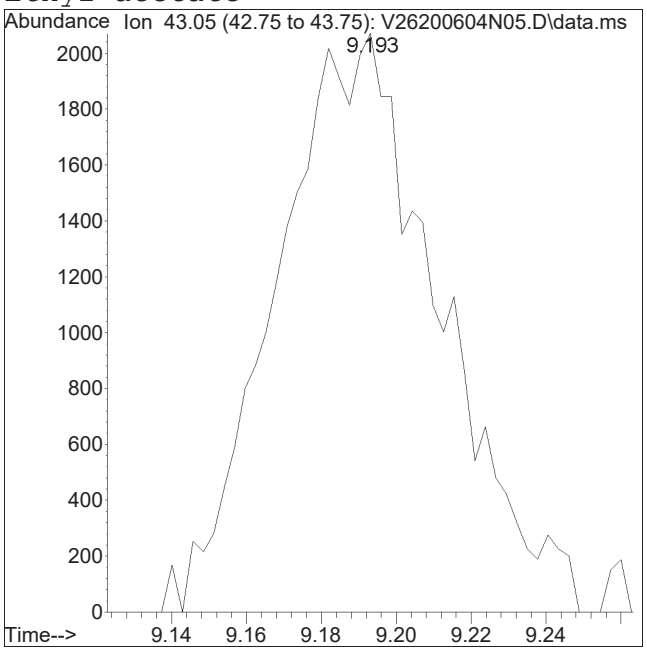
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N05.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 7:30 pm Instrument : VOA126
Sample : i8260stdl2ppb Quant Date : 6/5/2020 12:39 pm

Compound #36: Ethyl acetate



Original Peak Response = 6148



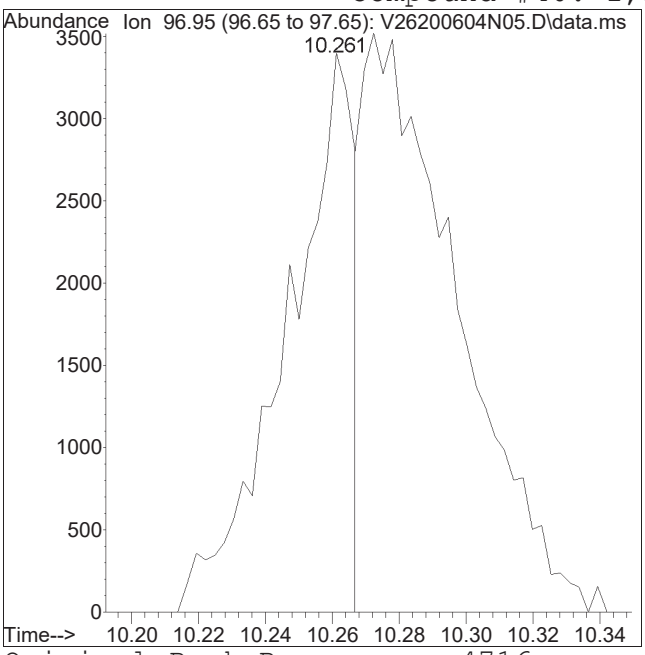
Manual Peak Response = 6237 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

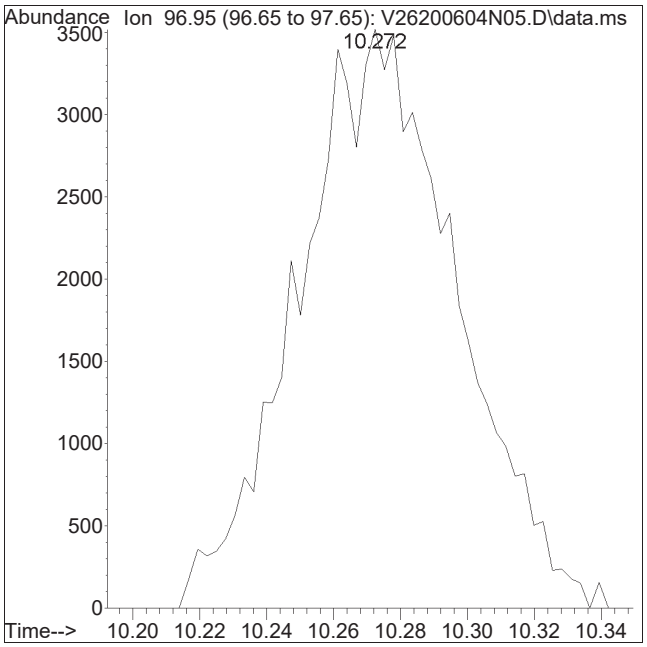
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N05.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 7:30 pm Instrument : VOA126
Sample : i8260stdl2ppb Quant Date : 6/5/2020 12:39 pm

Compound #40: 1,1,1-Trichloroethane



Original Peak Response = 4716



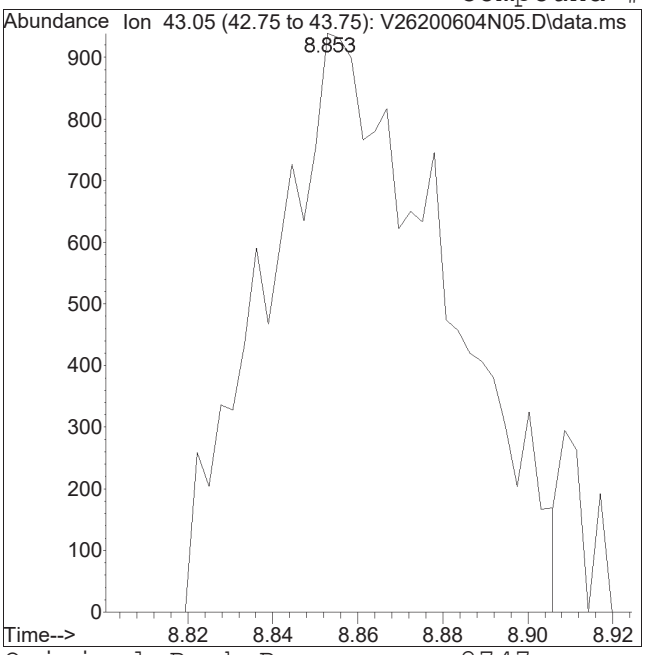
Manual Peak Response = 11599 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

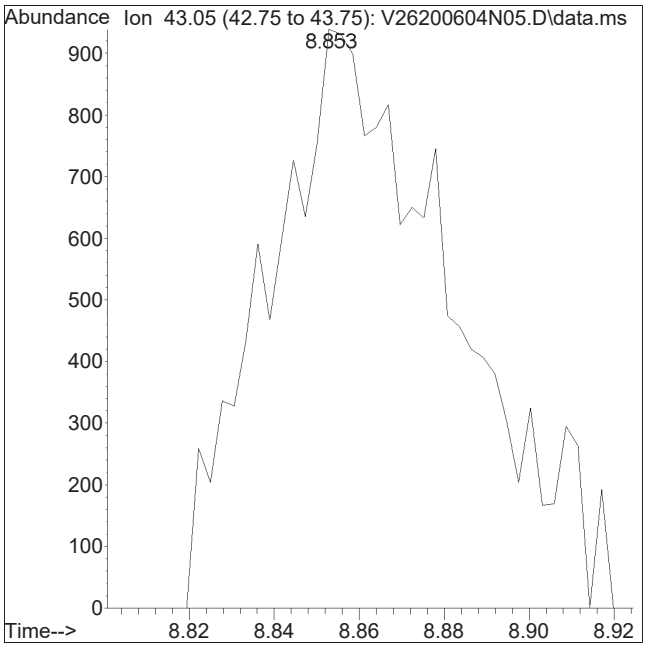
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N05.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 7:30 pm Instrument : VOA126
Sample : i8260stdl2ppb Quant Date : 6/5/2020 12:39 pm

Compound #42: 2-Butanone



Original Peak Response = 2747



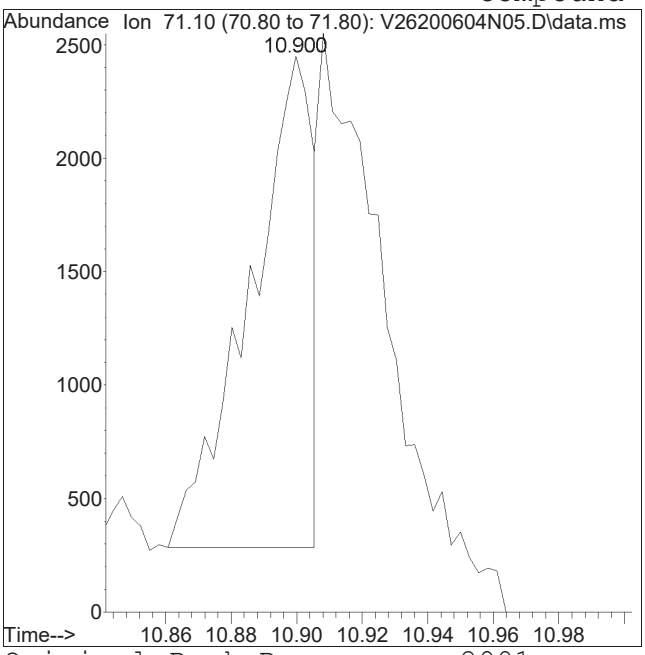
Manual Peak Response = 2841 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

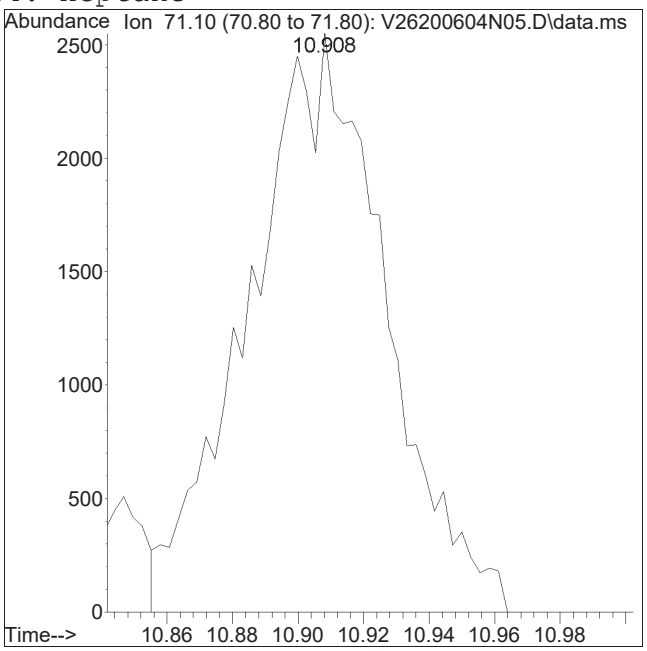
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N05.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 7:30 pm Instrument : VOA126
Sample : i8260stdl2ppb Quant Date : 6/5/2020 12:39 pm

Compound #44: Heptane



Original Peak Response = 2901



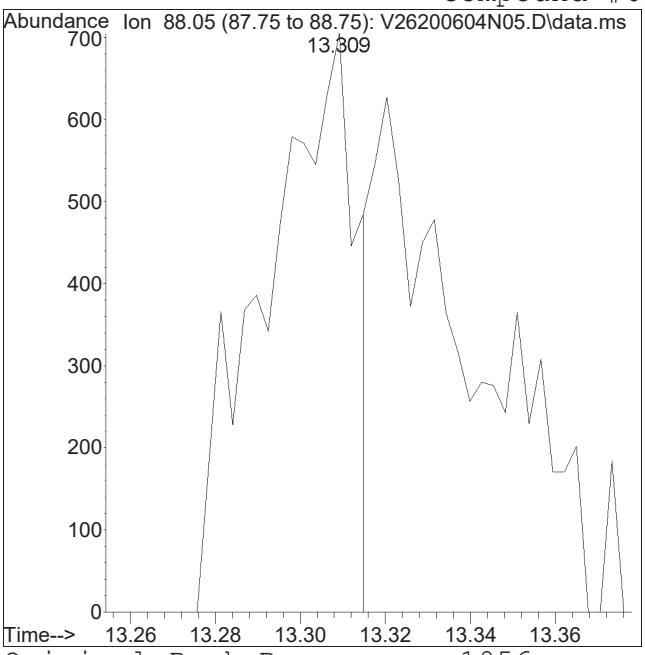
Manual Peak Response = 7359 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

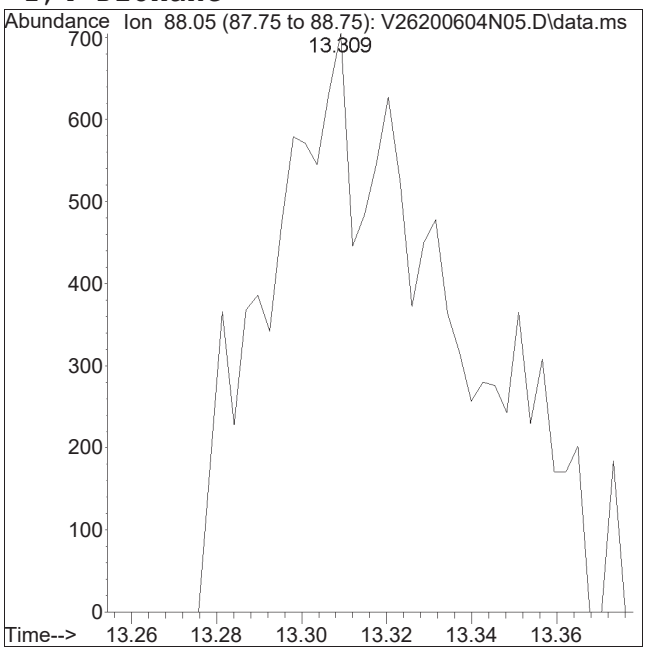
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N05.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 7:30 pm Instrument : VOA126
Sample : i8260stdl2ppb Quant Date : 6/5/2020 12:39 pm

Compound #61: 1,4-Dioxane



Original Peak Response = 1056



Manual Peak Response = 2090 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N06.D
Acq On : 04 Jun 2020 08:10 pm
Operator : VOA126:JC
Sample : i8260stdl4ppb
Misc : WG1378377,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 12:40:09 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	11.563	96	322122	20.000	ug/L	0.00
Standard Area 1 = 320322			Recovery = 100.56%			
63) Chlorobenzene-d5	18.265	117	277715	20.000	ug/L	0.00
Standard Area 1 = 269772			Recovery = 102.94%			
88) 1,4-Dichlorobenzene-d4	23.920	152	145906	20.000	ug/L	0.00
Standard Area 1 = 141486			Recovery = 103.12%			
System Monitoring Compounds						
39) Dibromofluoromethane	9.924	113	83974	20.063	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.32%			
47) 1,2-Dichloroethane-d4	10.922	65	83925	19.745	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.73%			
65) Toluene-d8	14.899	98	345729	19.933	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.67%			
92) 4-Bromofluorobenzene	21.098	95	142498	20.062	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.31%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.693	85	7713	3.216	ug/L #	71
3) Chlorodifluoromethane	2.693	51	23316	3.918	ug/L #	85
4) Chloromethane	3.077	50	17371	3.737	ug/L	74
5) Vinyl chloride	3.239	62	11564M1	3.321	ug/L	
6) Bromomethane	3.964	94	9558M1	3.730	ug/L	
7) Chloroethane	4.104	64	9307M1	3.440	ug/L	
8) Trichlorofluoromethane	4.550	101	15379M1	3.198	ug/L	
9) Ethyl ether	5.110	74	5627	3.488	ug/L #	70
11) 1,1-Dichloroethene	5.674	96	9680	3.282	ug/L #	78
12) Carbon disulfide	6.594	76	44519M1	4.569	ug/L	
13) Freon-113	5.356	101	9236	3.241	ug/L #	60
14) Iodomethane	6.254	142	7396M1	4.609	ug/L	
15) Acrolein	5.353	56	1883M1	3.253	ug/L	
16) Allyl chloride	6.385	76	7749	3.853	ug/L #	76
17) Methylene chloride	6.608	84	14055	3.829	ug/L	78
19) Acetone	5.501	43	6391M1	4.040	ug/L	
20) trans-1,2-Dichloroethene	7.163	96	11797	3.367	ug/L	81
21) Methyl acetate	6.346	43	8554	3.562	ug/L #	70
22) Hexane	7.283	57	29572	3.786	ug/L	98
23) Methyl tert-butyl ether	6.901	73	27678	3.412	ug/L #	90
24) tert-Butyl alcohol	5.891	59	6373M1	17.043	ug/L	

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N06.D
Acq On : 04 Jun 2020 08:10 pm
Operator : VOA126:JC
Sample : i8260stdl4ppb
Misc : WG1378377,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 12:40:09 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
25) Diisopropyl ether	7.785	45	50970	3.413 ug/L #	89
26) 1,1-Dichloroethane	7.999	63	25959	3.480 ug/L	96
27) Halothane	7.082	117	8639	3.246 ug/L	97
28) Acrylonitrile	6.870	53	4068M1	3.471 ug/L	
29) Ethyl tert-butyl ether	8.588	59	43095	3.353 ug/L #	90
30) Vinyl acetate	8.022	43	22314M1	3.249 ug/L	
31) cis-1,2-Dichloroethene	9.187	96	13649	3.493 ug/L #	75
32) 2,2-Dichloropropane	9.079	77	16059M1	3.289 ug/L	
33) Bromochloromethane	9.820	128	5821	3.487 ug/L #	76
34) Cyclohexane	10.278	56	24349	3.282 ug/L #	38
35) Chloroform	9.494	83	23002	3.474 ug/L	99
36) Ethyl acetate	9.185	43	10141M1	3.442 ug/L	
37) Carbon tetrachloride	10.774	117	15005	3.147 ug/L #	92
38) Tetrahydrofuran	9.935	42	3194M1	3.458 ug/L	
40) 1,1,1-Trichloroethane	10.275	97	18478	3.389 ug/L	95
42) 2-Butanone	8.861	43	4997	3.574 ug/L #	79
43) 1,1-Dichloropropene	10.585	75	14668	3.262 ug/L #	84
44) Heptane	10.902	71	14234	3.890 ug/L #	79
45) Benzene	11.128	78	48677	3.422 ug/L	92
46) tert-Amyl methyl ether	10.824	73	29387	3.336 ug/L #	73
48) 1,2-Dichloroethane	11.114	62	17707	3.486 ug/L	97
51) Methyl cyclohexane	12.467	83	17429	3.206 ug/L #	71
52) Trichloroethene	12.372	95	12441	3.362 ug/L	99
54) Dibromomethane	13.348	93	6815	3.545 ug/L	98
55) 1,2-Dichloropropane	12.749	63	14781	3.389 ug/L	97
57) 2-Chloroethyl vinyl ether	13.909	63	5070	2.649 ug/L #	84
58) Bromodichloromethane	13.234	83	16000	3.366 ug/L #	97
60) Methyl methacrylate	12.885	69	7238	3.594 ug/L	85
61) 1,4-Dioxane	13.303	88	5319	197.686 ug/L #	88
62) cis-1,3-Dichloropropene	14.391	75	17853	3.334 ug/L	96
64) Octane	14.603	85	13475	3.550 ug/L #	82
66) Toluene	15.072	92	31589	3.344 ug/L	96
67) 4-Methyl-2-pentanone	13.970	58	4560	3.327 ug/L #	88
68) Tetrachloroethene	16.485	166	13920	3.451 ug/L	98
69) 2-Nitropropane	13.404	41	2354	3.435 ug/L #	98
71) trans-1,3-Dichloropropene	15.490	75	14863	3.209 ug/L	99
72) Methyl isothiocyanate	15.381	73	4776	4.903 ug/L #	96
74) Ethyl methacrylate	15.479	69	11540	3.209 ug/L	81
75) 1,1,2-Trichloroethane	15.830	83	8253	3.504 ug/L	96
76) Chlorodibromomethane	16.962	129	11264	3.302 ug/L	98

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N06.D
Acq On : 04 Jun 2020 08:10 pm
Operator : VOA126:JC
Sample : i8260stdl4ppb
Misc : WG1378377,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 12:40:09 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
77) 1,3-Dichloropropane	16.388	76	16434	3.394	ug/L		99
78) 1,2-Dibromoethane	17.414	107	8938	3.325	ug/L		100
79) n-Butyl Acetate	16.404	43	22159	3.553	ug/L	#	92
80) 2-Hexanone	15.861	43	7674	3.335	ug/L		94
81) Nonane	18.041	57	31641	3.441	ug/L	#	84
82) Chlorobenzene	18.351	112	36234	3.427	ug/L		99
83) Ethylbenzene	18.479	91	59321	3.340	ug/L		97
84) 1,1,1,2-Tetrachloroethane	18.460	131	11947	3.370	ug/L		99
85) p/m Xylene	18.649	106	45854	6.730	ug/L		86
86) o Xylene	19.662	106	44577	6.879	ug/L		86
87) Styrene	19.754	104	73224	6.792	ug/L		96
89) Bromoform	20.523	173	6493	3.204	ug/L		97
91) Isopropylbenzene	20.507	105	58004	3.307	ug/L		97
93) Bromobenzene	21.536	156	14900	3.501	ug/L		99
94) Decane	21.204	57	38194	3.467	ug/L	#	84
95) n-Propylbenzene	21.455	91	68934	3.301	ug/L		96
96) 1,4-Dichlorobutane	20.755	55	21300	3.505	ug/L		97
97) 1,1,2,2-Tetrachloroethane	20.939	83	11890	3.514	ug/L		96
98) 4-Ethyltoluene	21.731	105	56946	3.278	ug/L		96
99) 2-Chlorotoluene	21.865	91	46991	3.400	ug/L		98
100) 1,3,5-Trimethylbenzene	21.842	105	49183	3.340	ug/L		98
101) 1,2,3-Trichloropropane	21.279	75	8938	3.517	ug/L		99
102) trans-1,4-Dichloro-2-b...	21.472	53	3776	3.321	ug/L	#	63
103) 4-Chlorotoluene	21.979	91	44091	3.394	ug/L		96
104) tert-Butylbenzene	22.685	119	41195	3.303	ug/L		99
107) 1,2,4-Trimethylbenzene	22.779	105	49126	3.329	ug/L		95
108) Limonene	23.348	68	17747	3.248	ug/L		98
109) sec-Butylbenzene	23.195	105	60581	3.239	ug/L		97
110) p-Isopropyltoluene	23.535	119	53037	3.292	ug/L		98
111) 1,3-Dichlorobenzene	23.739	146	28633	3.383	ug/L		100
112) 1,4-Dichlorobenzene	23.993	146	28654	3.425	ug/L		99
113) trans-Decahydronaphtha...	24.478	138	16624	3.647	ug/L		98
114) Undecane	24.104	57	39256	3.591	ug/L	#	84
115) p-Diethylbenzene	24.534	119	32293	3.277	ug/L		100
116) n-Butylbenzene	24.511	91	60757	3.315	ug/L		96
117) Hexachloroethane	25.621	117	10875	3.404	ug/L		97
118) 1,2-Dichlorobenzene	24.846	146	26297	3.459	ug/L		99
119) cis-Decahydronaphthalene	25.922	138	12355	3.476	ug/L		95
120) 1,2,4,5-Tetramethylben...	26.226	119	48081	3.273	ug/L		96
121) 1,2-Dibromo-3-chloropr...	26.580	155	1673	3.133	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N06.D
Acq On : 04 Jun 2020 08:10 pm
Operator : VOA126:JC
Sample : i8260stdl4ppb
Misc : WG1378377,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 12:40:09 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
122) 1,3,5-Trichlorobenzene	27.038	180	19343	3.305	ug/L		98
123) Nitrobenzene	26.750	77	587	5.199	ug/L	#	49
124) Hexachlorobutadiene	28.491	225	8355	3.071	ug/L		98
125) 1,2,4-Trichlorobenzene	28.237	180	17285	3.268	ug/L		99
126) Naphthalene	28.691	128	36209	3.325	ug/L		100
127) 1,2,3-Trichlorobenzene	29.121	180	16219	3.452	ug/L		96

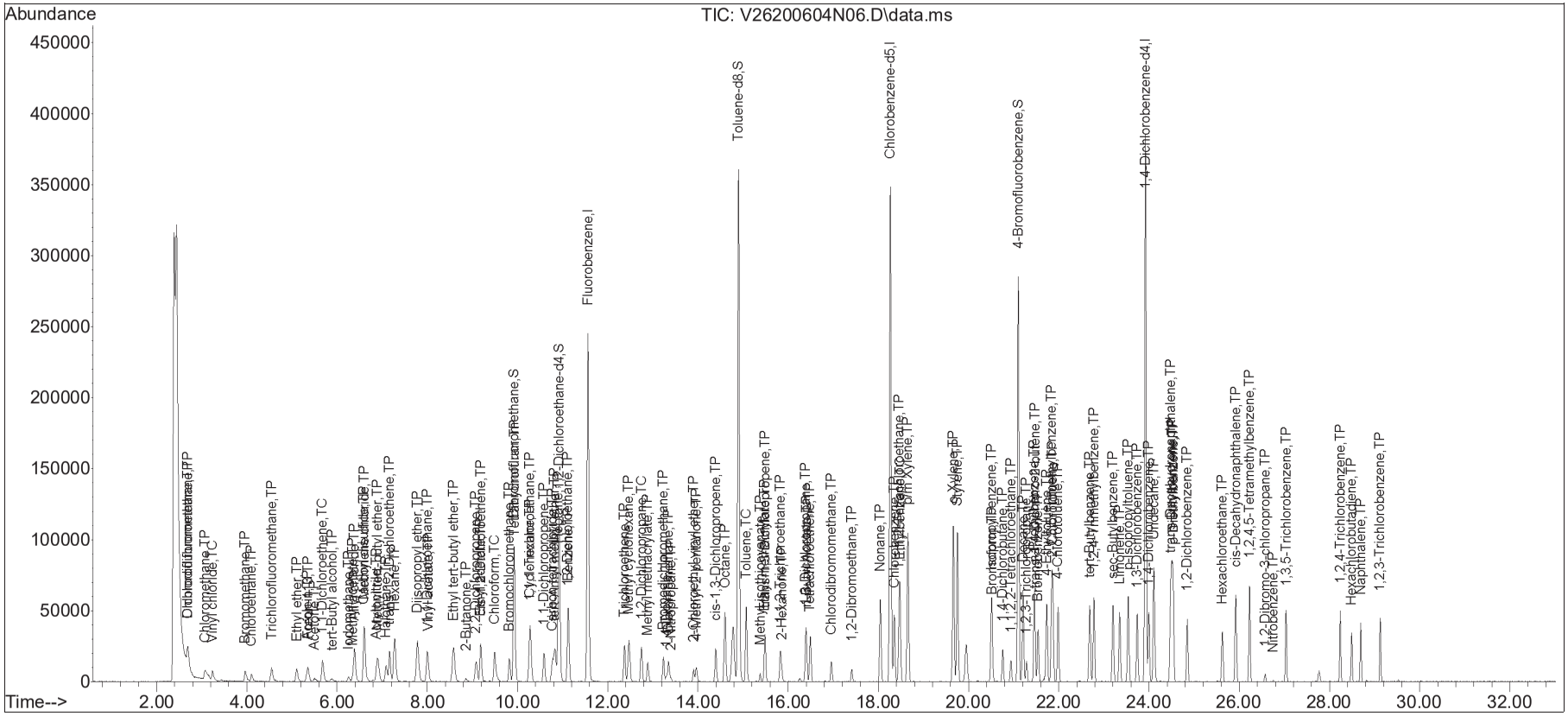
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N06.D
Acq On : 04 Jun 2020 08:10 pm
Operator : VOA126:JC
Sample : i8260stdl4ppb
Misc : WG1378377,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 12:40:09 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

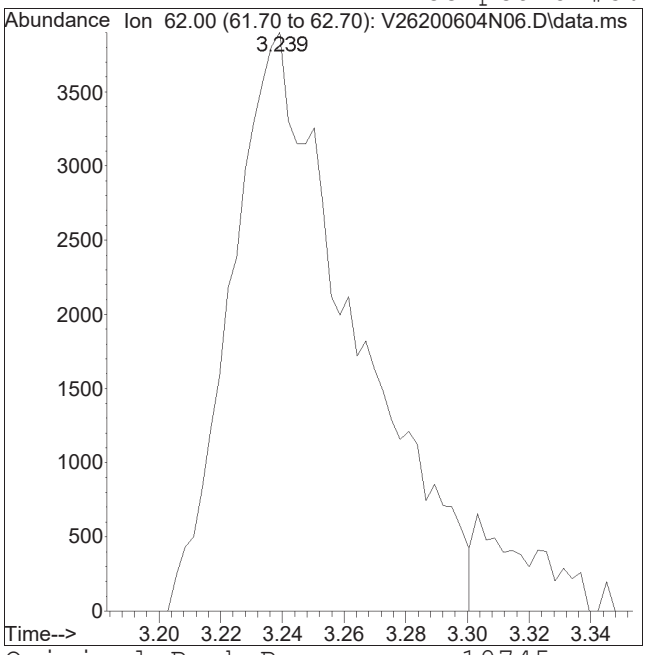
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk00604N08.D•



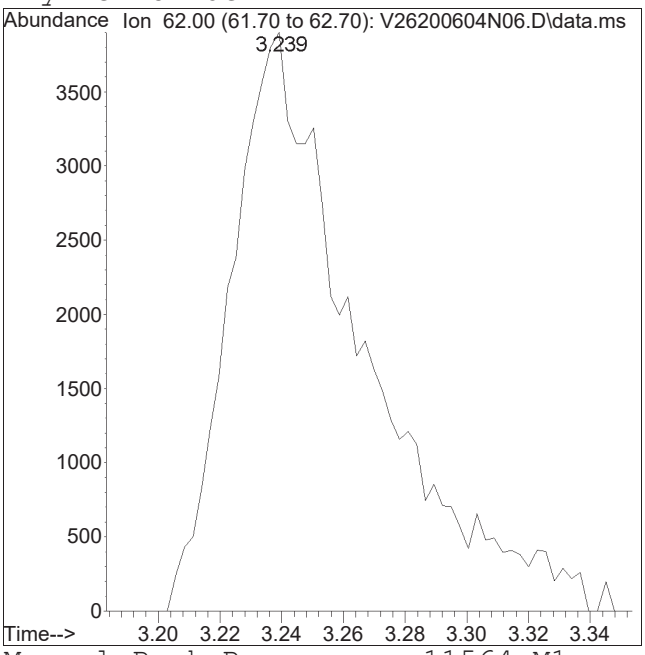
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N06.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 8:10 pm Instrument : VOA126
Sample : i8260std14ppb Quant Date : 6/5/2020 12:40 pm

Compound #5: Vinyl chloride



Original Peak Response = 10745



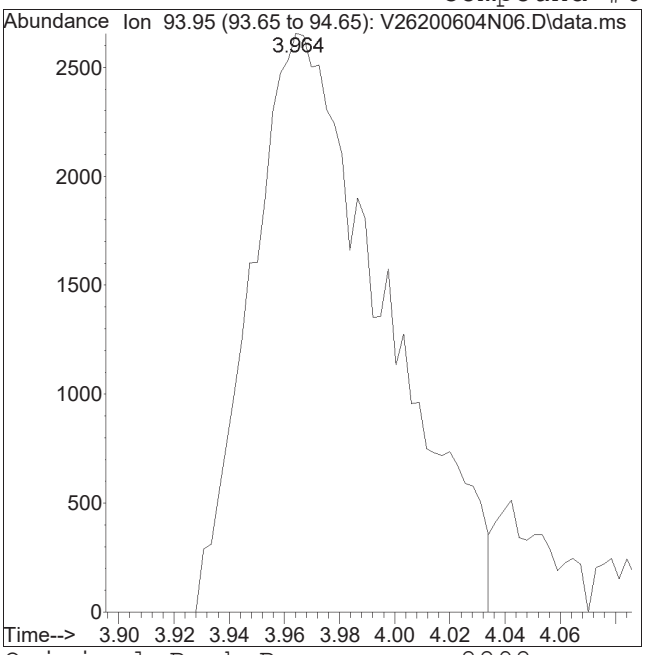
Manual Peak Response = 11564 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

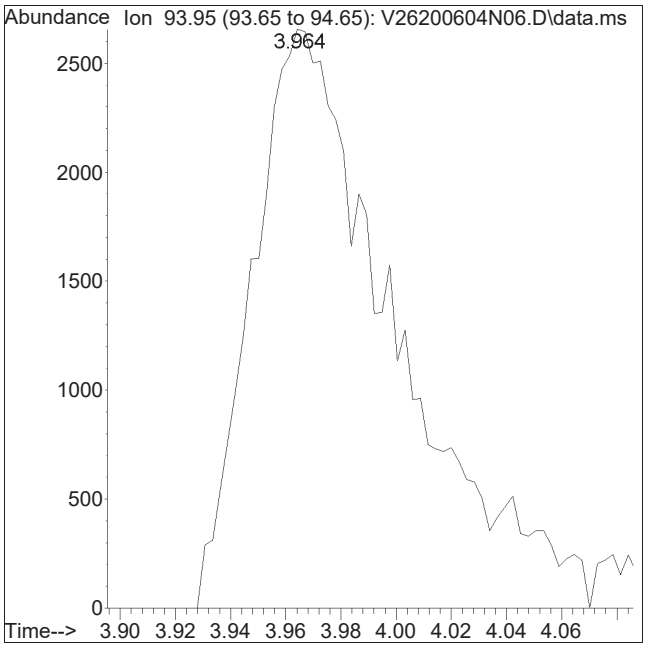
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N06.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 8:10 pm Instrument : VOA126
Sample : i8260stdl4ppb Quant Date : 6/5/2020 12:40 pm

Compound #6: Bromomethane



Original Peak Response = 8898



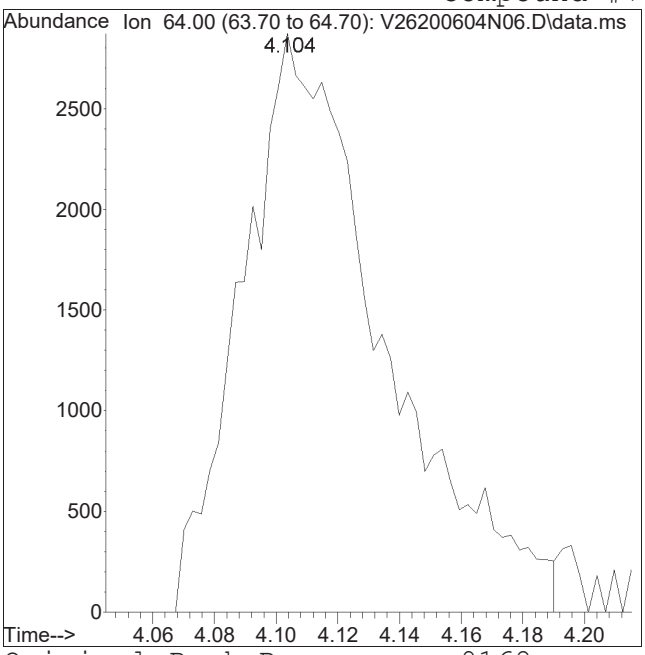
Manual Peak Response = 9558 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

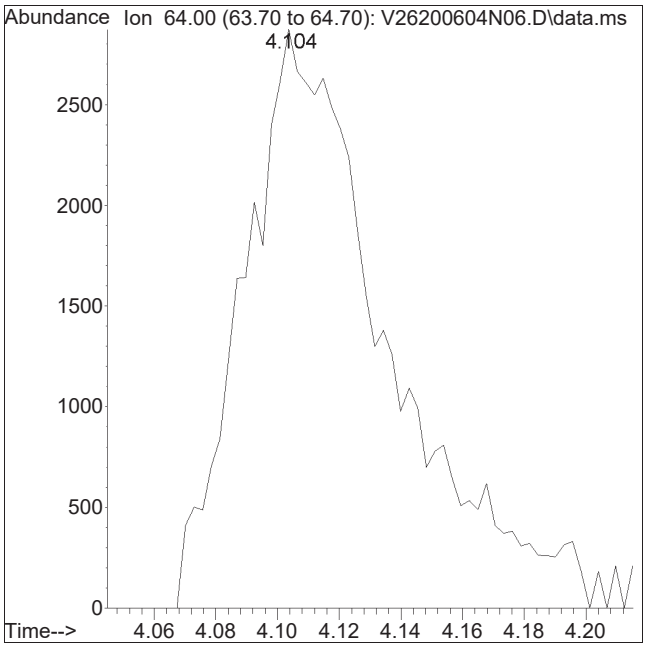
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N06.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 8:10 pm Instrument : VOA126
Sample : i8260stdl4ppb Quant Date : 6/5/2020 12:40 pm

Compound #7: Chloroethane



Original Peak Response = 9168



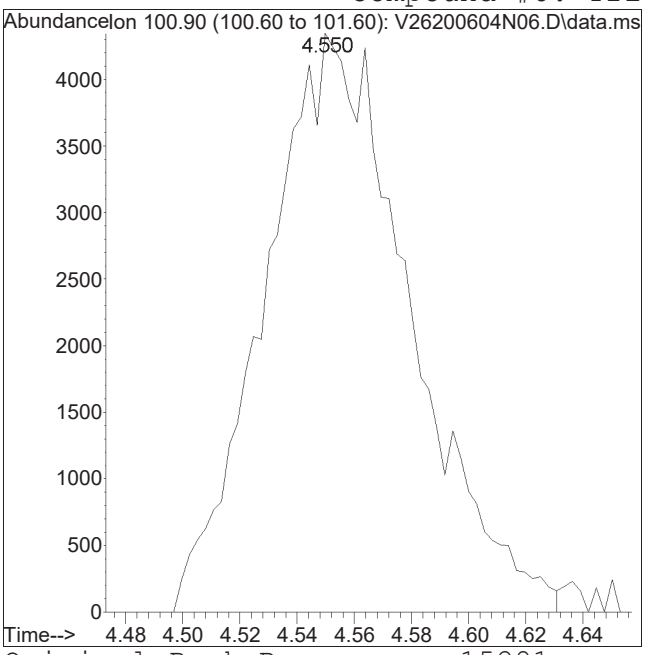
Manual Peak Response = 9307 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

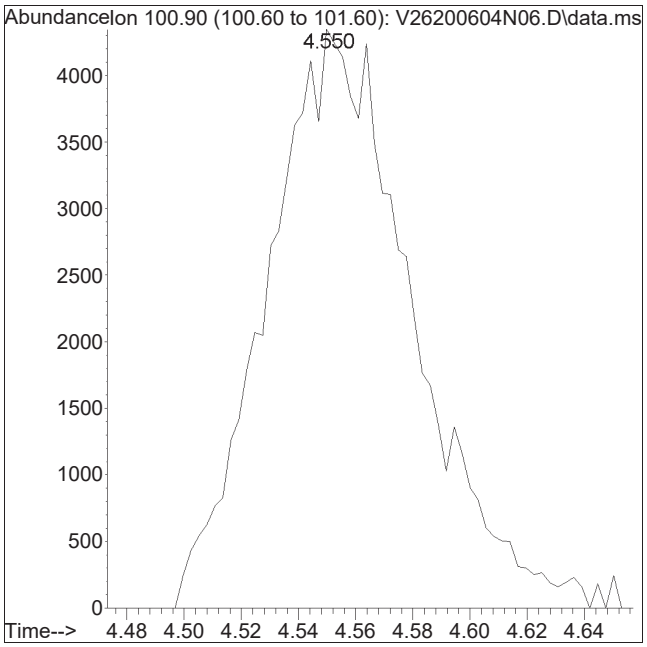
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N06.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 8:10 pm Instrument : VOA126
Sample : i8260std14ppb Quant Date : 6/5/2020 12:40 pm

Compound #8: Trichlorofluoromethane



Original Peak Response = 15281



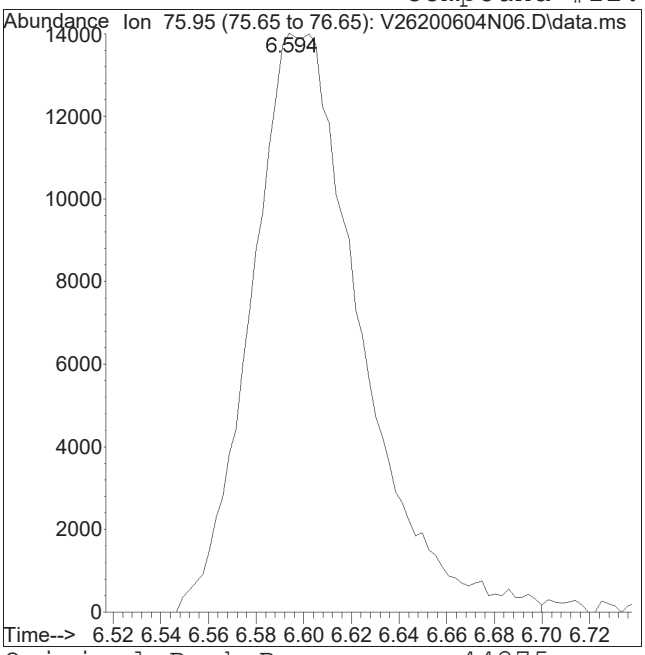
Manual Peak Response = 15379 M1

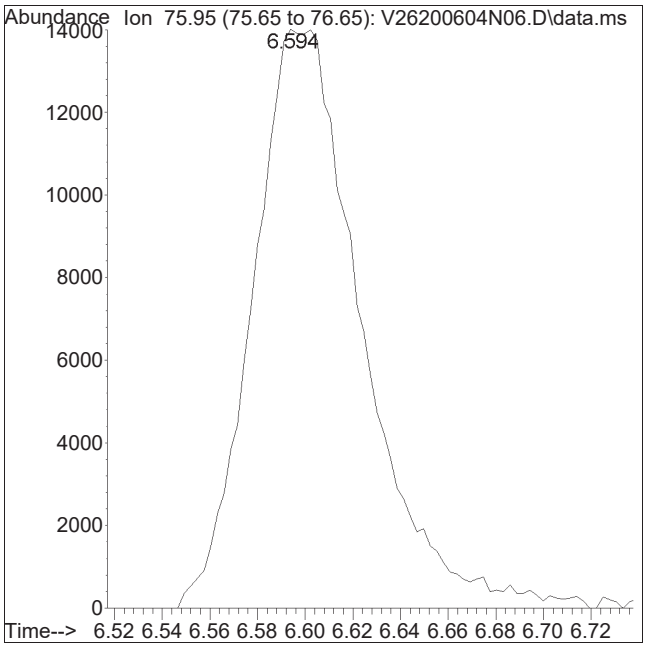
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N06.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 8:10 pm Instrument : VOA126
Sample : i8260stdl4ppb Quant Date : 6/5/2020 12:40 pm

Compound #12: Carbon disulfide



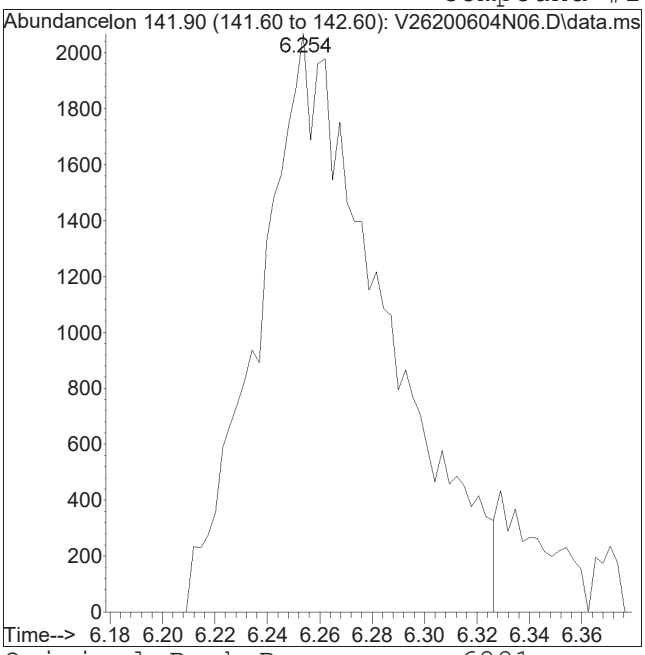


Original Peak Response = 44275 Manual Peak Response = 44519 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

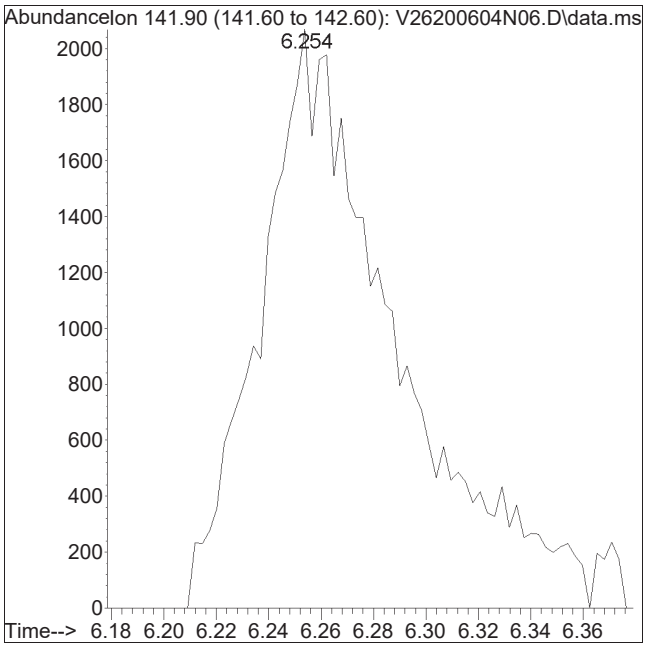
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N06.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 8:10 pm Instrument : VOA126
Sample : i8260stdl4ppb Quant Date : 6/5/2020 12:40 pm

Compound #14: Iodomethane



Original Peak Response = 6881



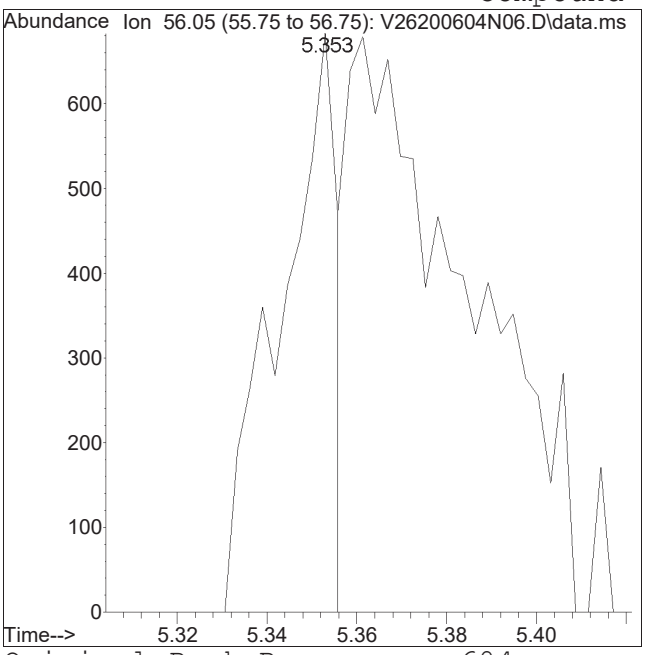
Manual Peak Response = 7396 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

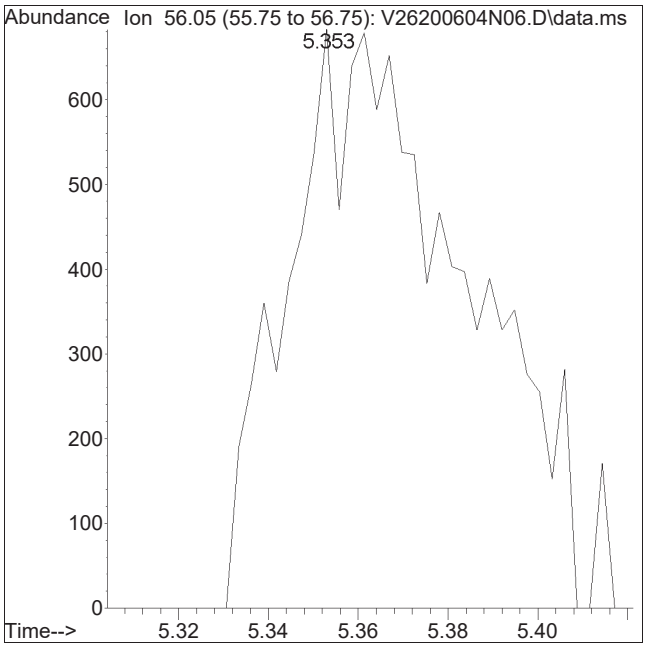
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N06.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 8:10 pm Instrument : VOA126
Sample : i8260std14ppb Quant Date : 6/5/2020 12:40 pm

Compound #15: Acrolein



Original Peak Response = 604



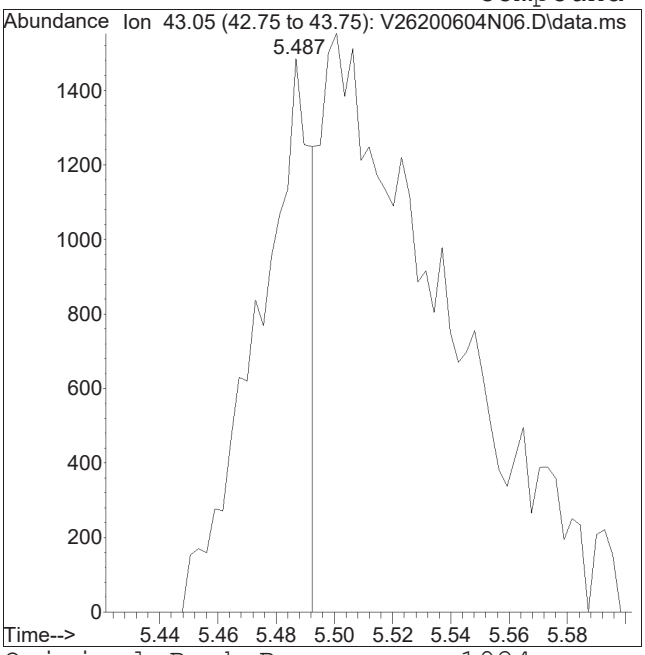
Manual Peak Response = 1883 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

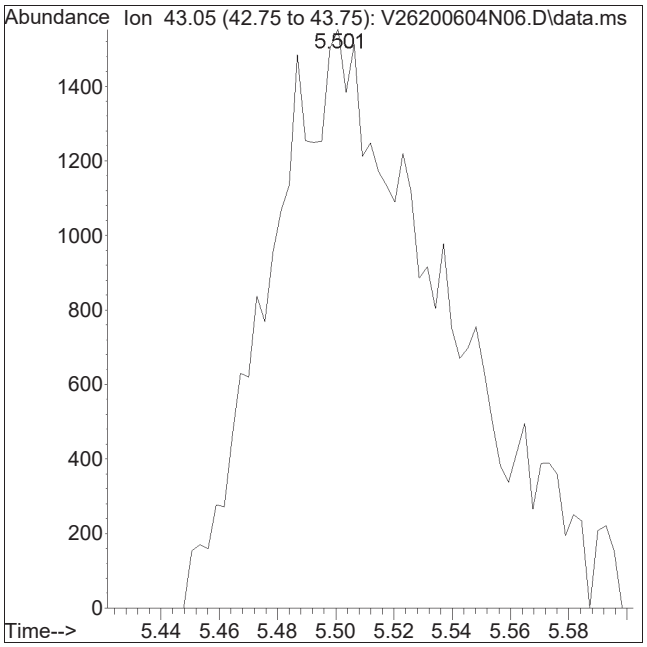
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N06.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 8:10 pm Instrument : VOA126
Sample : i8260stdl4ppb Quant Date : 6/5/2020 12:40 pm

Compound #19: Acetone



Original Peak Response = 1924



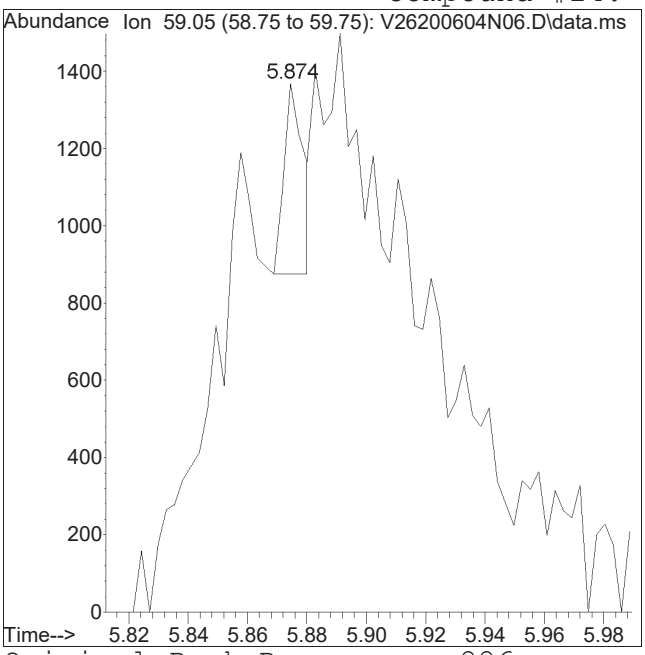
Manual Peak Response = 6391 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

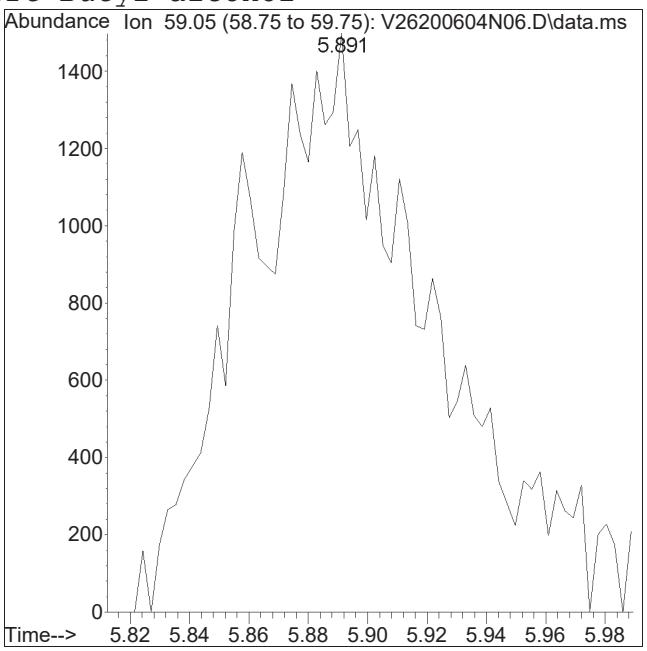
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N06.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 8:10 pm Instrument : VOA126
Sample : i8260stdl4ppb Quant Date : 6/5/2020 12:40 pm

Compound #24: tert-Butyl alcohol



Original Peak Response = 226



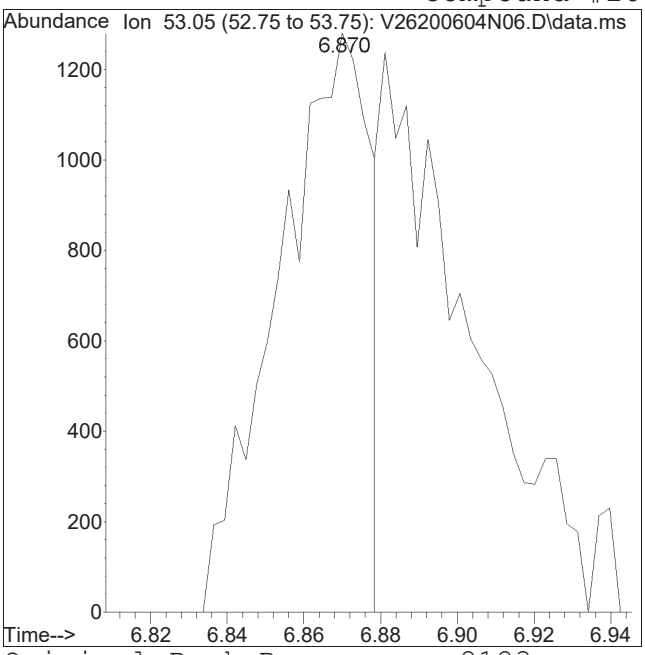
Manual Peak Response = 6373 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

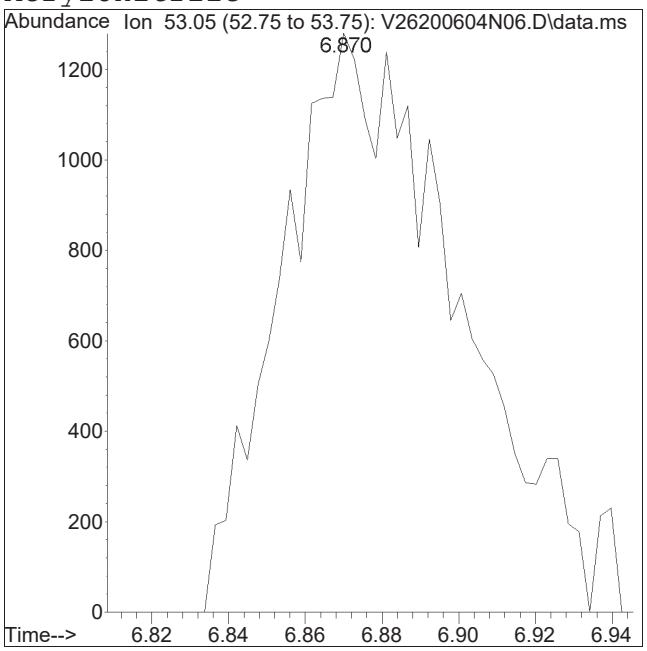
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N06.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 8:10 pm Instrument : VOA126
Sample : i8260stdl4ppb Quant Date : 6/5/2020 12:40 pm

Compound #28: Acrylonitrile



Original Peak Response = 2123



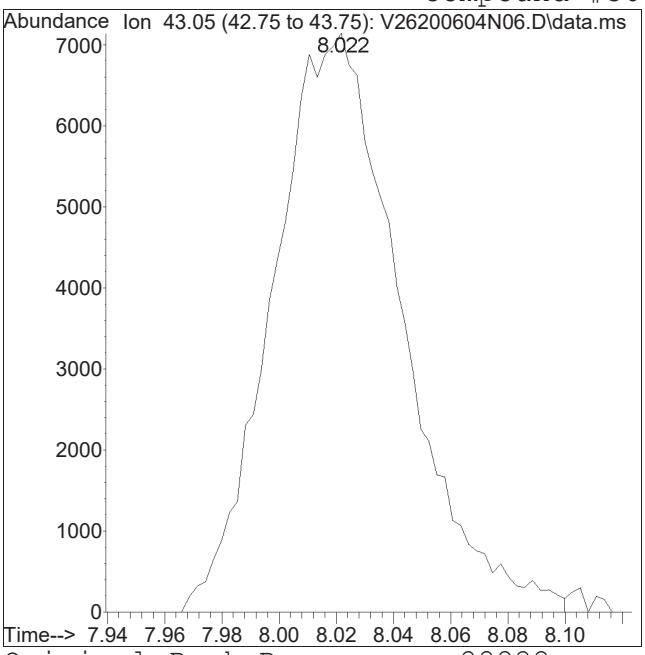
Manual Peak Response = 4068 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

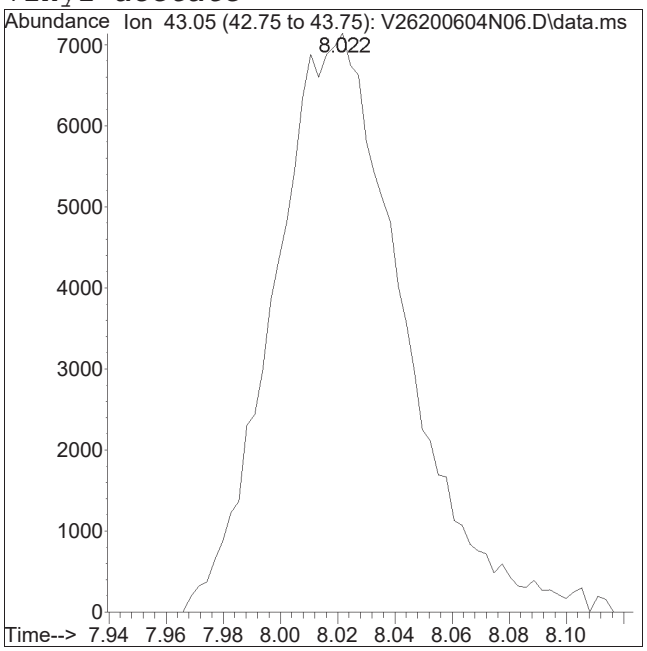
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N06.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 8:10 pm Instrument : VOA126
Sample : i8260stdl4ppb Quant Date : 6/5/2020 12:40 pm

Compound #30: Vinyl acetate



Original Peak Response = 22222



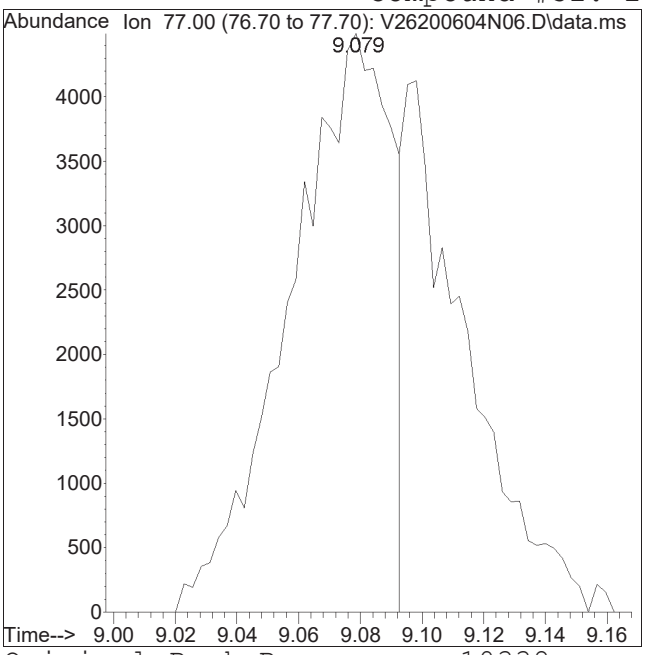
Manual Peak Response = 22314 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

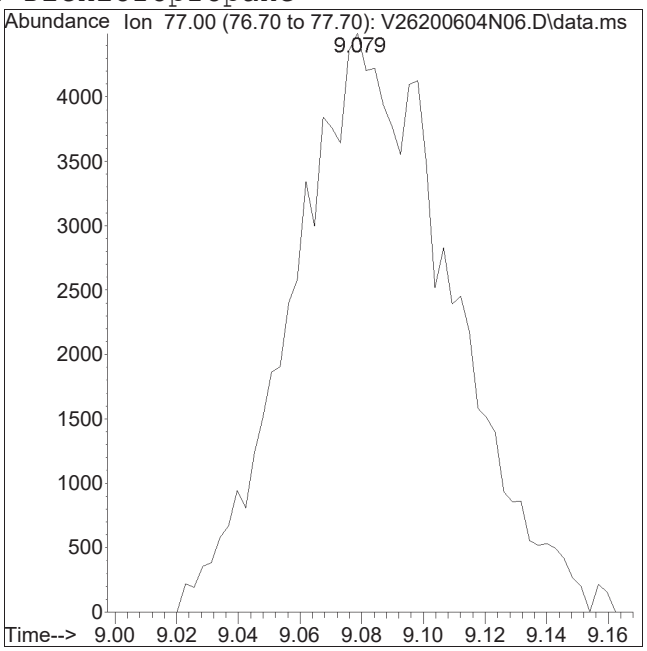
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N06.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 8:10 pm Instrument : VOA126
Sample : i8260stdl4ppb Quant Date : 6/5/2020 12:40 pm

Compound #32: 2,2-Dichloropropane



Original Peak Response = 10338



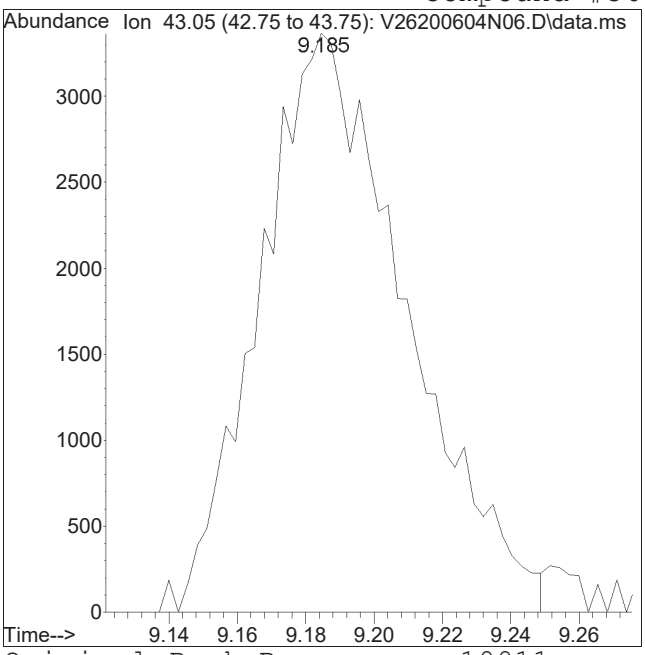
Manual Peak Response = 16059 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

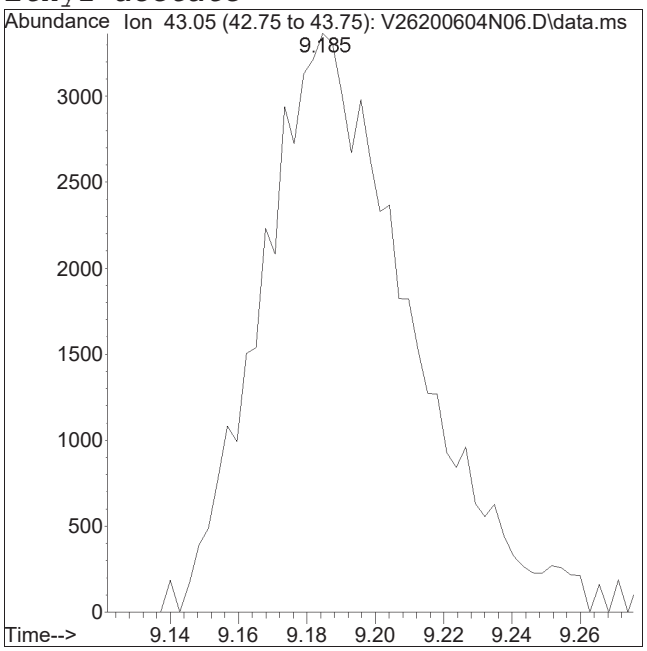
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N06.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 8:10 pm Instrument : VOA126
Sample : i8260stdl4ppb Quant Date : 6/5/2020 12:40 pm

Compound #36: Ethyl acetate



Original Peak Response = 10011



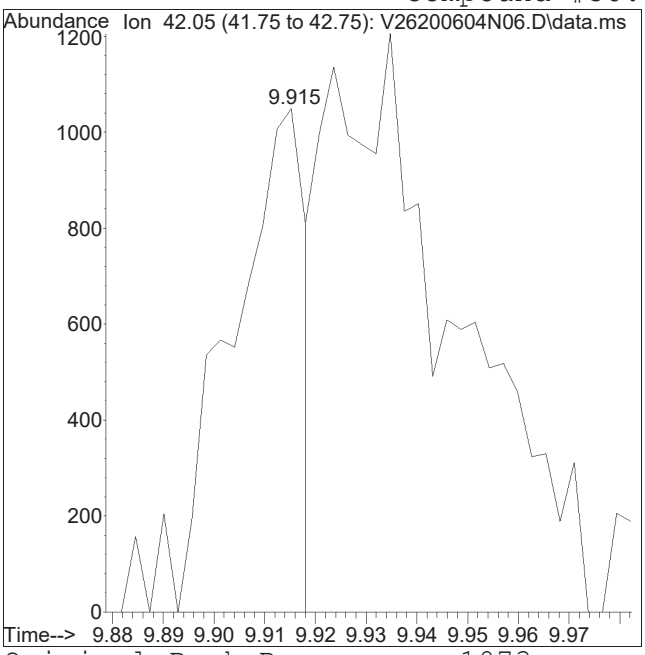
Manual Peak Response = 10141 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

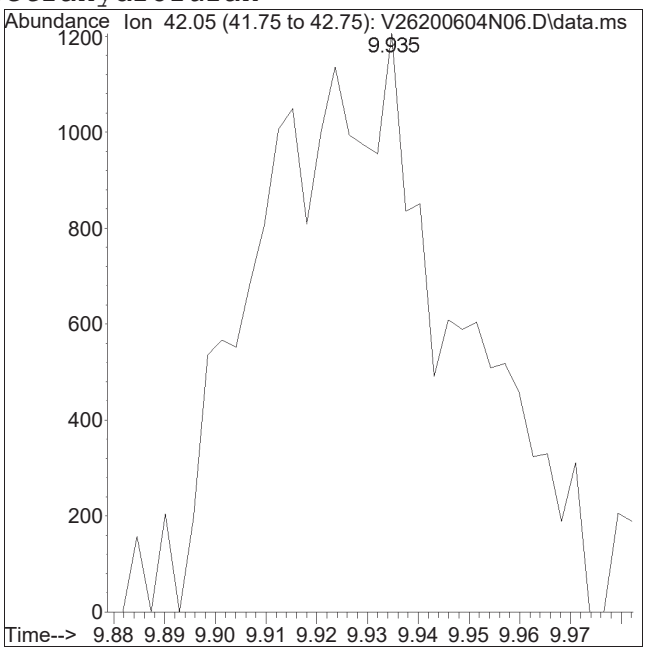
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N06.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 8:10 pm Instrument : VOA126
Sample : i8260std14ppb Quant Date : 6/5/2020 12:40 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 1073



Manual Peak Response = 3194 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N07.D
Acq On : 04 Jun 2020 08:50 pm
Operator : VOA126:JC
Sample : i8260stdl20ppb
Misc : WG1378377,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 05 11:17:03 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 10:55:37 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	11.561	96	314352	20.000	ug/L	0.00
Standard Area 1 = 320322			Recovery = 98.14%			
63) Chlorobenzene-d5	18.265	117	265284	20.000	ug/L	0.00
Standard Area 1 = 269772			Recovery = 98.34%			
88) 1,4-Dichlorobenzene-d4	23.920	152	137877	20.000	ug/L	0.00
Standard Area 1 = 141486			Recovery = 97.45%			
System Monitoring Compounds						
39) Dibromofluoromethane	9.924	113	81192M1	19.904	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.52%			
47) 1,2-Dichloroethane-d4	10.925	65	80530	19.552	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.76%			
65) Toluene-d8	14.901	98	332483	20.005	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.02%			
92) 4-Bromofluorobenzene	21.098	95	134654	19.954	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.77%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.693	85	44521	17.988	ug/L	94
3) Chlorodifluoromethane	2.687	51	108832M1	19.450	ug/L	
4) Chloromethane	3.083	50	84033M1	19.236	ug/L	
5) Vinyl chloride	3.242	62	67517M1	18.584	ug/L	
6) Bromomethane	3.970	94	45709M1	18.321	ug/L	
7) Chloroethane	4.106	64	50674M1	17.679	ug/L	
8) Trichlorofluoromethane	4.550	101	89032M1	17.982	ug/L	
9) Ethyl ether	5.102	74	28919	17.289	ug/L	70
11) 1,1-Dichloroethene	5.685	96	54142M1	17.928	ug/L	
12) Carbon disulfide	6.600	76	182578M1	19.114	ug/L	
13) Freon-113	5.347	101	53455M1	18.166	ug/L	
14) Iodomethane	6.262	142	44034M1	14.539	ug/L	
15) Acrolein	5.367	56	9923	16.728	ug/L #	40
16) Allyl chloride	6.390	76	37845	18.593	ug/L	81
17) Methylene chloride	6.608	84	62904	17.877	ug/L	77
19) Acetone	5.492	43	21138M1	19.245	ug/L	
20) trans-1,2-Dichloroethene	7.166	96	64418	17.828	ug/L	86
21) Methyl acetate	6.346	43	40339	16.848	ug/L #	89
22) Hexane	7.277	57	144060	19.246	ug/L	97
23) Methyl tert-butyl ether	6.895	73	142967M1	17.229	ug/L	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N07.D
Acq On : 04 Jun 2020 08:50 pm
Operator : VOA126:JC
Sample : i8260stdl20ppb
Misc : WG1378377,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 05 11:17:03 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 10:55:37 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
24) tert-Butyl alcohol	5.872	59	30284M1	80.392	ug/L		
25) Diisopropyl ether	7.776	45	268214	17.710	ug/L		94
26) 1,1-Dichloroethane	7.997	63	133231	17.678	ug/L		96
27) Halothane	7.093	117	48741M1	17.730	ug/L		
28) Acrylonitrile	6.873	53	21345	17.285	ug/L		96
29) Ethyl tert-butyl ether	8.577	59	227376	17.417	ug/L		93
30) Vinyl acetate	8.013	43	117719	16.660	ug/L		95
31) cis-1,2-Dichloroethene	9.185	96	69629	18.061	ug/L		87
32) 2,2-Dichloropropane	9.084	77	87415	17.496	ug/L		96
33) Bromochloromethane	9.820	128	30144	17.623	ug/L	#	77
34) Cyclohexane	10.283	56	137072	17.776	ug/L		78
35) Chloroform	9.491	83	113556	17.809	ug/L		98
36) Ethyl acetate	9.185	43	51509	16.964	ug/L		98
37) Carbon tetrachloride	10.780	117	88522	17.767	ug/L		99
38) Tetrahydrofuran	9.912	42	15822	16.990	ug/L	#	84
40) 1,1,1-Trichloroethane	10.272	97	100545	17.655	ug/L		97
42) 2-Butanone	8.847	43	23888M1	16.853	ug/L		
43) 1,1-Dichloropropene	10.587	75	82682	17.654	ug/L		100
44) Heptane	10.905	71	67413	19.086	ug/L	#	74
45) Benzene	11.128	78	249975	17.637	ug/L		93
46) tert-Amyl methyl ether	10.824	73	155063	17.266	ug/L	#	89
48) 1,2-Dichloroethane	11.114	62	88568	17.617	ug/L		97
51) Methyl cyclohexane	12.473	83	100753	17.880	ug/L	#	71
52) Trichloroethene	12.369	95	66902	17.598	ug/L		99
54) Dibromomethane	13.354	93	34000	17.560	ug/L		98
55) 1,2-Dichloropropane	12.749	63	76923	17.395	ug/L		96
57) 2-Chloroethyl vinyl ether	13.903	63	28336	15.794	ug/L		95
58) Bromodichloromethane	13.234	83	83884	17.264	ug/L		99
60) Methyl methacrylate	12.882	69	38719	19.233	ug/L		87
61) 1,4-Dioxane	13.304	88	27997M1	1002.872	ug/L		
62) cis-1,3-Dichloropropene	14.394	75	93994	17.120	ug/L		97
64) Octane	14.597	85	69700	18.649	ug/L	#	83
66) Toluene	15.069	92	165541	17.958	ug/L		100
67) 4-Methyl-2-pentanone	13.964	58	23518	16.832	ug/L	#	93
68) Tetrachloroethene	16.491	166	72993	18.420	ug/L		99
69) 2-Nitropropane	13.401	41	12080	18.516	ug/L	#	92
71) trans-1,3-Dichloropropene	15.493	75	78747	17.017	ug/L		99
72) Methyl isothiocyanate	15.381	73	28801	17.372	ug/L	#	95
74) Ethyl methacrylate	15.473	69	63454	16.804	ug/L		98
75) 1,1,2-Trichloroethane	15.827	83	40722	17.497	ug/L		99

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N07.D
Acq On : 04 Jun 2020 08:50 pm
Operator : VOA126:JC
Sample : i8260stdl20ppb
Misc : WG1378377,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 05 11:17:03 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 10:55:37 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
76) Chlorodibromomethane	16.959	129	59630	16.808	ug/L		99
77) 1,3-Dichloropropane	16.391	76	83198	17.386	ug/L		100
78) 1,2-Dibromoethane	17.408	107	46371	17.236	ug/L		98
79) n-Butyl Acetate	16.402	43	122365	19.393	ug/L		93
80) 2-Hexanone	15.855	43	39693	17.079	ug/L		96
81) Nonane	18.041	57	161308	17.924	ug/L	#	86
82) Chlorobenzene	18.351	112	181299	17.765	ug/L		99
83) Ethylbenzene	18.477	91	317179	17.808	ug/L		96
84) 1,1,1,2-Tetrachloroethane	18.454	131	63923	17.501	ug/L		98
85) p/m Xylene	18.652	106	247106	36.047	ug/L		89
86) o Xylene	19.659	106	235095	35.680	ug/L		87
87) Styrene	19.754	104	390346	35.121	ug/L		97
89) Bromoform	20.529	173	34222	16.800	ug/L		99
91) Isopropylbenzene	20.507	105	316029	18.085	ug/L		96
93) Bromobenzene	21.538	156	73917	17.876	ug/L		100
94) Decane	21.207	57	191003	17.931	ug/L	#	85
95) n-Propylbenzene	21.458	91	375001	18.089	ug/L		96
96) 1,4-Dichlorobutane	20.755	55	103292	17.452	ug/L		97
97) 1,1,2,2-Tetrachloroethane	20.939	83	58373	17.356	ug/L		100
98) 4-Ethyltoluene	21.734	105	308851	17.945	ug/L		96
99) 2-Chlorotoluene	21.868	91	244173	18.009	ug/L		98
100) 1,3,5-Trimethylbenzene	21.842	105	263166	17.962	ug/L		96
101) 1,2,3-Trichloropropane	21.285	75	43744	17.679	ug/L		100
102) trans-1,4-Dichloro-2-b...	21.469	53	18606	16.562	ug/L	#	77
103) 4-Chlorotoluene	21.987	91	226429	18.000	ug/L		97
104) tert-Butylbenzene	22.685	119	225369	17.894	ug/L		99
107) 1,2,4-Trimethylbenzene	22.779	105	262476	18.111	ug/L		95
108) Limonene	23.346	68	97031	18.547	ug/L		100
109) sec-Butylbenzene	23.198	105	339249	17.997	ug/L		97
110) p-Isopropyltoluene	23.541	119	290910	17.972	ug/L		98
111) 1,3-Dichlorobenzene	23.742	146	145923	17.800	ug/L		100
112) 1,4-Dichlorobenzene	23.995	146	145026	17.965	ug/L		99
113) trans-Decahydronaphtha...	24.478	138	81751	18.759	ug/L		97
114) Undecane	24.107	57	196578	17.731	ug/L	#	84
115) p-Diethylbenzene	24.536	119	177283	17.904	ug/L		100
116) n-Butylbenzene	24.511	91	331527	18.025	ug/L		96
117) Hexachloroethane	25.624	117	59664	18.915	ug/L		96
118) 1,2-Dichlorobenzene	24.851	146	130808	17.642	ug/L		100
119) cis-Decahydronaphthalene	25.922	138	63941	18.356	ug/L		96
120) 1,2,4,5-Tetramethylben...	26.226	119	263798	17.305	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N07.D
Acq On : 04 Jun 2020 08:50 pm
Operator : VOA126:JC
Sample : i8260stdl20ppb
Misc : WG1378377,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 05 11:17:03 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 10:55:37 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
121) 1,2-Dibromo-3-chloropr...	26.575	155	8576	15.940	ug/L		98
122) 1,3,5-Trichlorobenzene	27.035	180	103062	17.488	ug/L		99
123) Nitrobenzene	26.756	77	3558	17.376	ug/L	#	89
124) Hexachlorobutadiene	28.488	225	49455	18.012	ug/L		99
125) 1,2,4-Trichlorobenzene	28.237	180	92315	17.371	ug/L		99
126) Naphthalene	28.691	128	185071	16.732	ug/L		100
127) 1,2,3-Trichlorobenzene	29.124	180	81962	17.528	ug/L		100

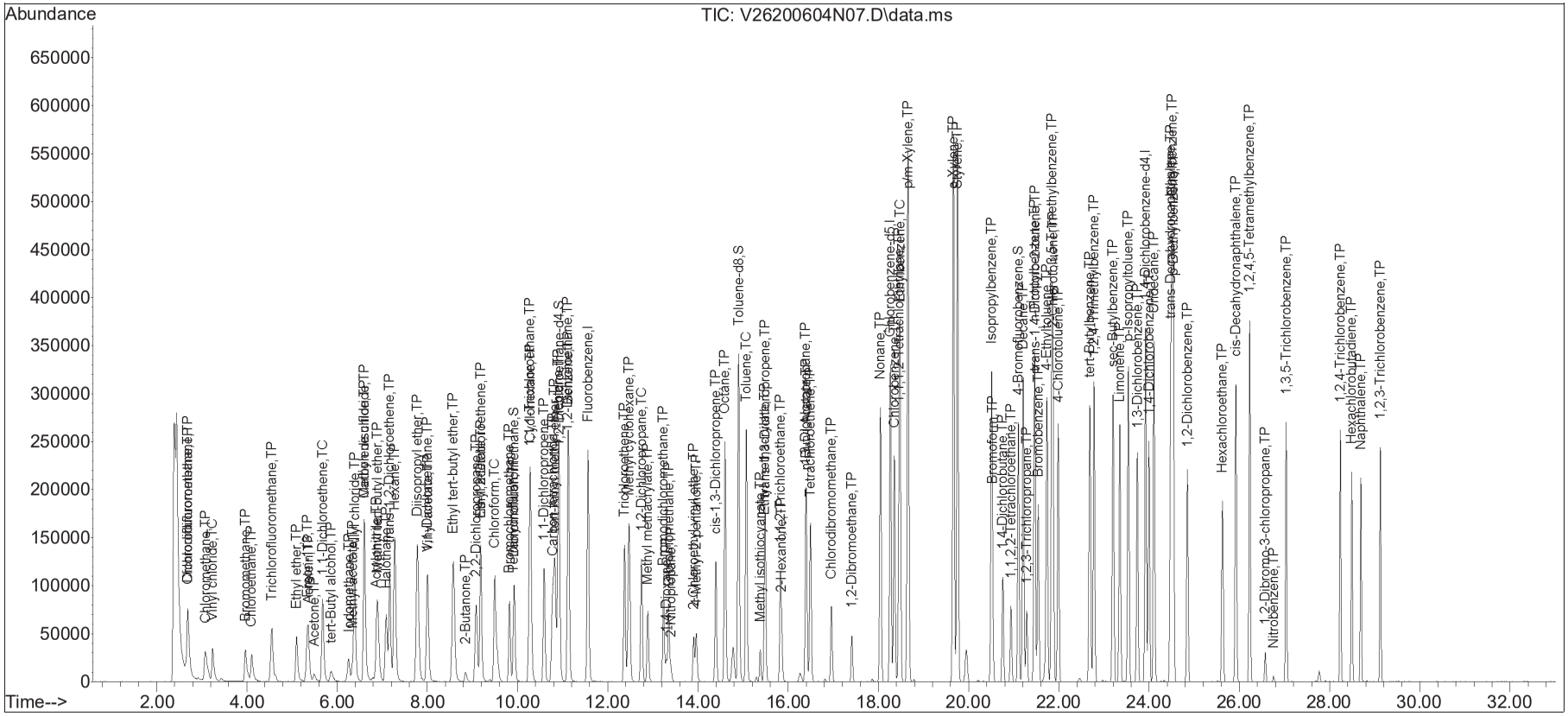
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N07.D
Acq On : 04 Jun 2020 08:50 pm
Operator : VOA126:JC
Sample : i8260stdl20ppb
Misc : WG1378377,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 05 11:17:03 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 10:55:37 2020
Response via : Initial Calibration

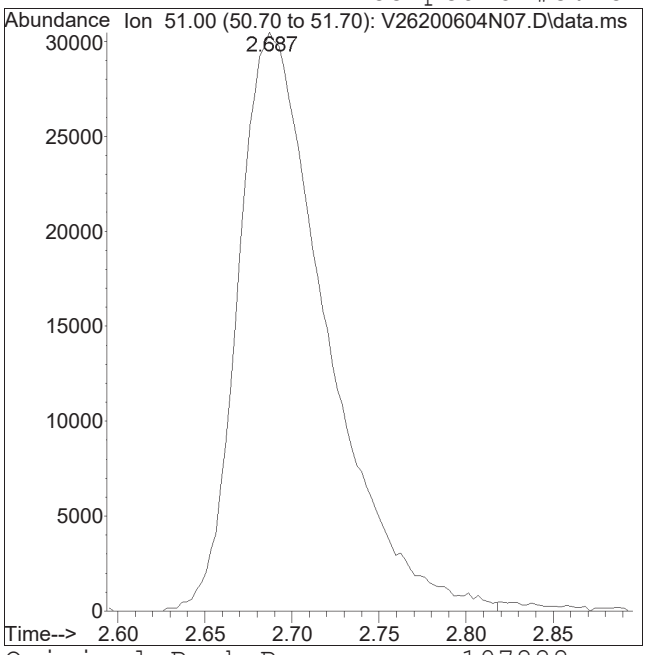
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk00604N08.D•

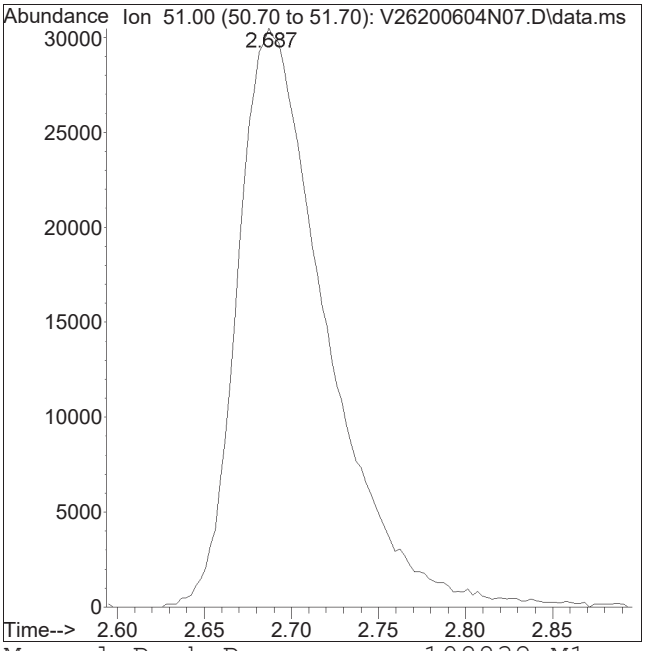


Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N07.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 8:50 pm Instrument : VOA126
Sample : i8260std120ppb Quant Date : 6/5/2020 10:57 am

Compound #3: Chlorodifluoromethane





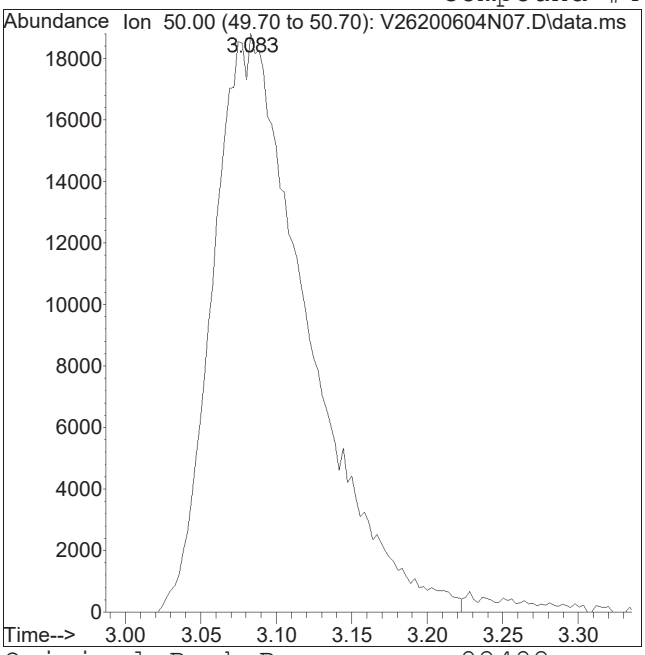
Original Peak Response = 107888 Manual Peak Response = 108832 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

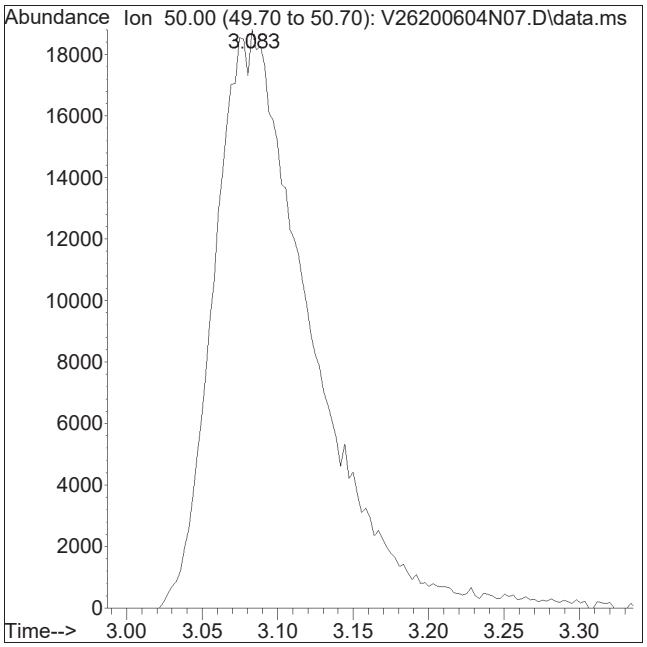
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N07.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 8:50 pm Instrument : VOA126
Sample : i8260std120ppb Quant Date : 6/5/2020 10:57 am

Compound #4: Chloromethane



Original Peak Response = 82482



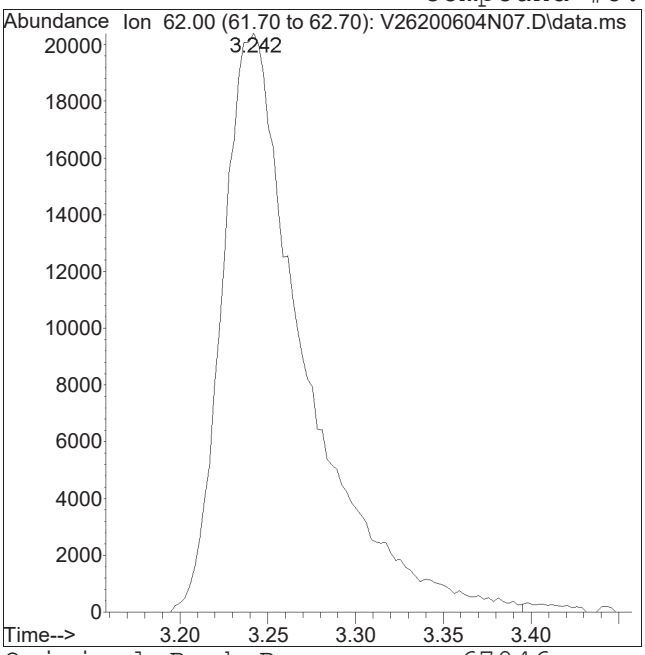
Manual Peak Response = 84033 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

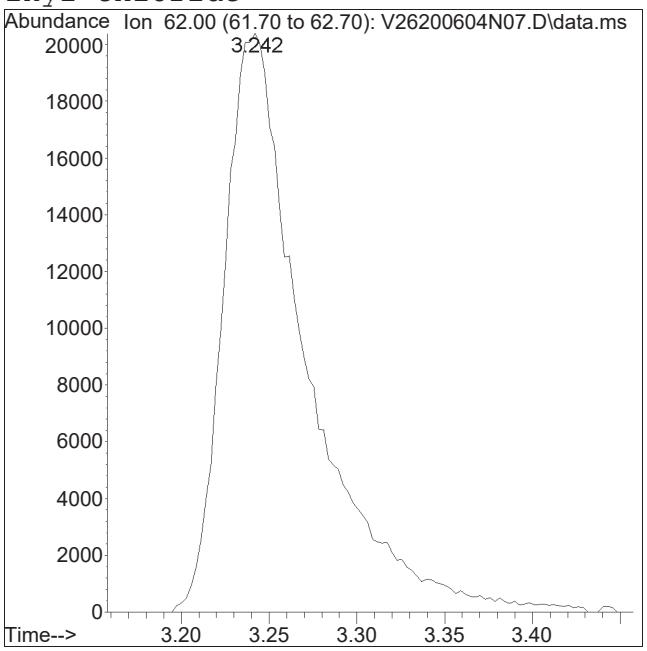
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N07.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 8:50 pm Instrument : VOA126
Sample : i8260stdl20ppb Quant Date : 6/5/2020 10:57 am

Compound #5: Vinyl chloride



Original Peak Response = 67046



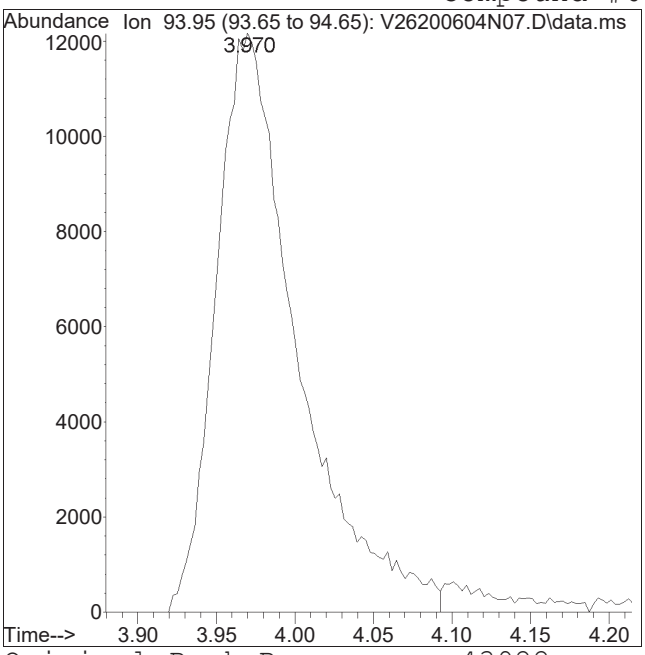
Manual Peak Response = 67517 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

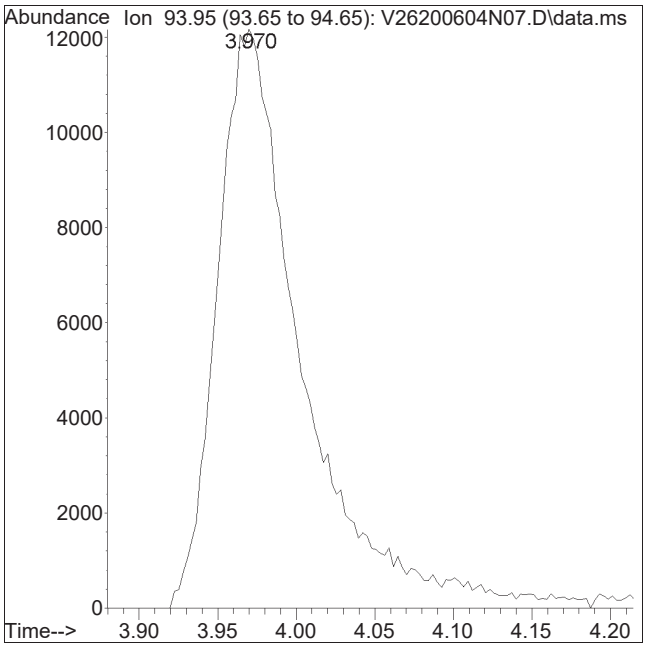
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N07.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 8:50 pm Instrument : VOA126
Sample : i8260std120ppb Quant Date : 6/5/2020 10:57 am

Compound #6: Bromomethane



Original Peak Response = 43922



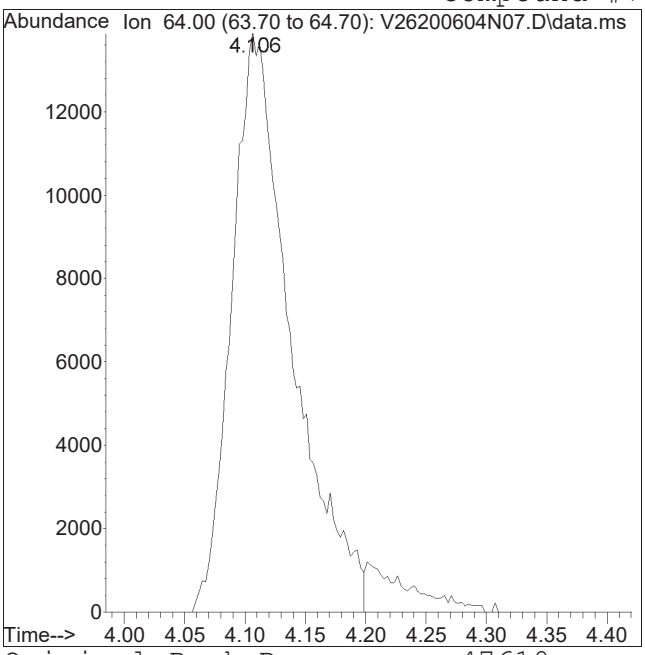
Manual Peak Response = 45709 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

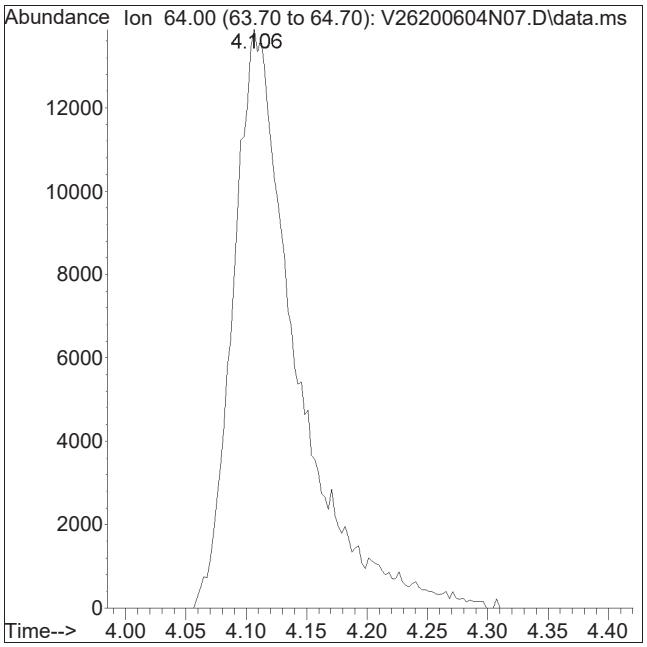
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N07.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 8:50 pm Instrument : VOA126
Sample : i8260std120ppb Quant Date : 6/5/2020 10:57 am

Compound #7: Chloroethane



Original Peak Response = 47610



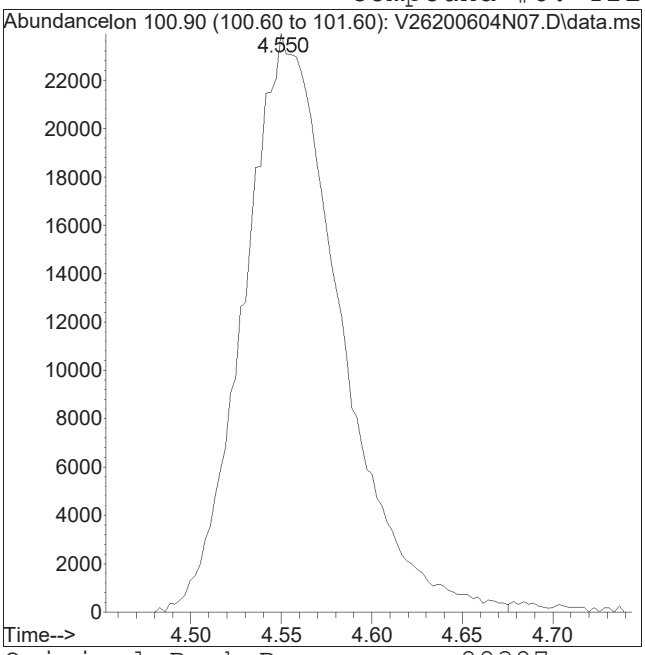
Manual Peak Response = 50674 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

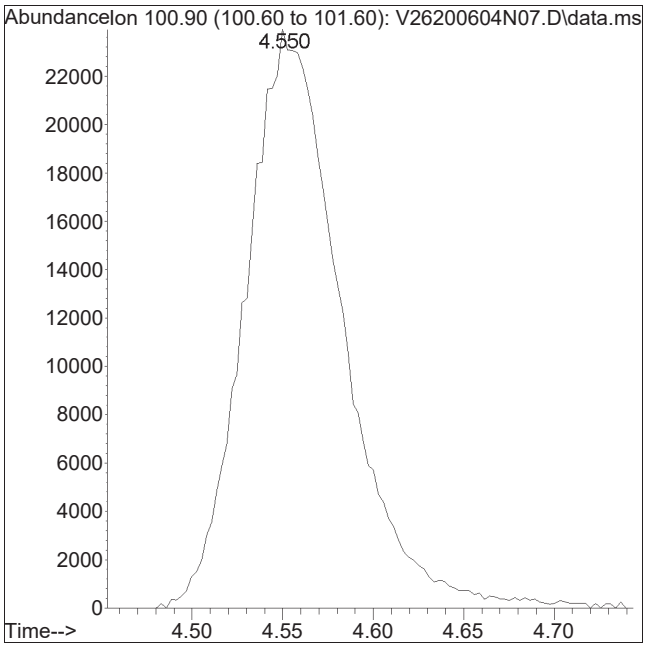
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N07.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 8:50 pm Instrument : VOA126
Sample : i8260std120ppb Quant Date : 6/5/2020 10:57 am

Compound #8: Trichlorofluoromethane



Original Peak Response = 88387



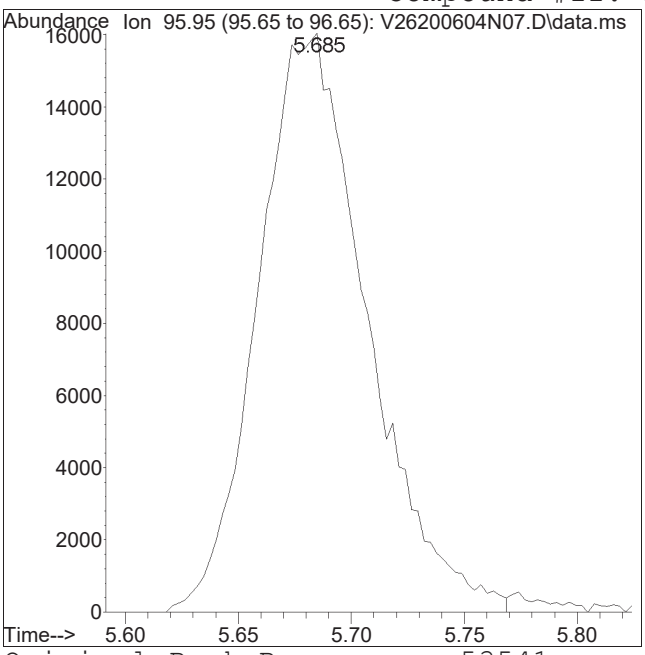
Manual Peak Response = 89032 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

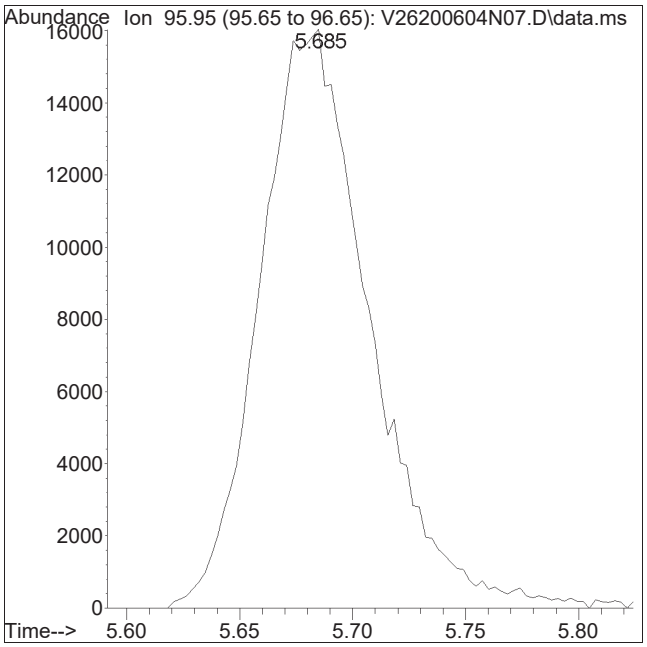
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N07.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 8:50 pm Instrument : VOA126
Sample : i8260stdl20ppb Quant Date : 6/5/2020 10:57 am

Compound #11: 1,1-Dichloroethene



Original Peak Response = 53541



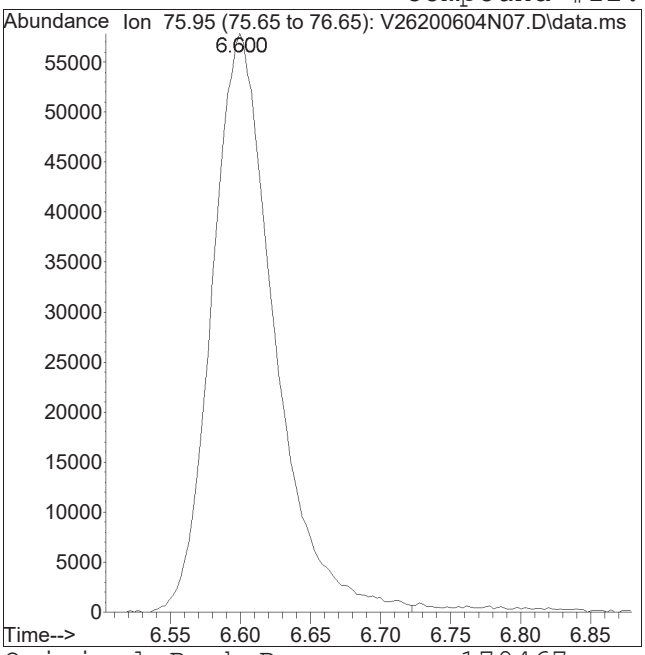
Manual Peak Response = 54142 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

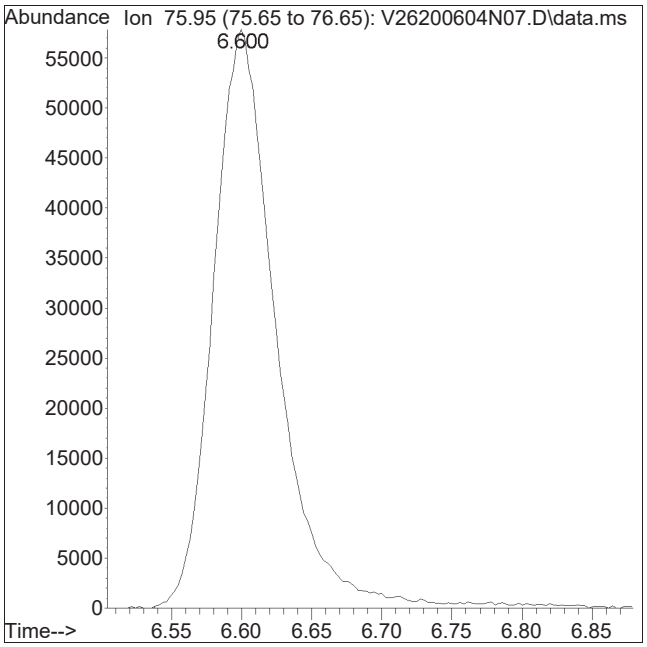
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N07.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 8:50 pm Instrument : VOA126
Sample : i8260std120ppb Quant Date : 6/5/2020 10:57 am

Compound #12: Carbon disulfide



Original Peak Response = 179467



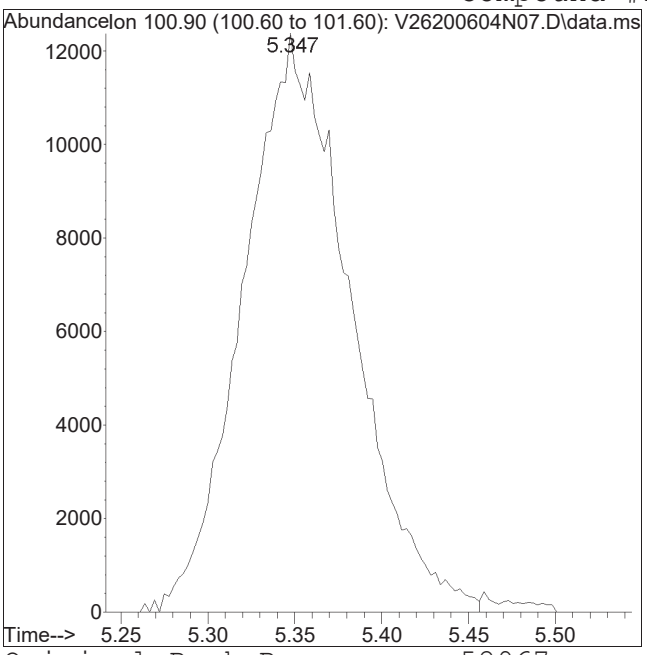
Manual Peak Response = 182578 M1

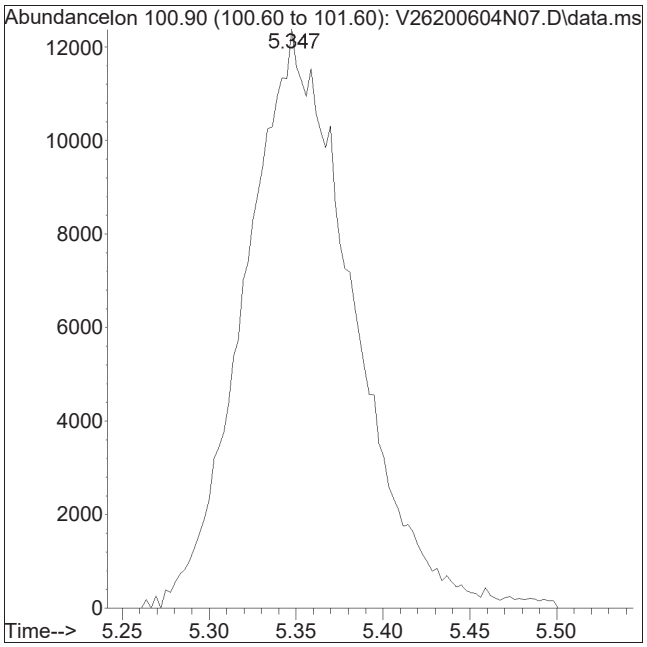
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N07.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 8:50 pm Instrument : VOA126
Sample : i8260std120ppb Quant Date : 6/5/2020 10:57 am

Compound #13: Freon-113





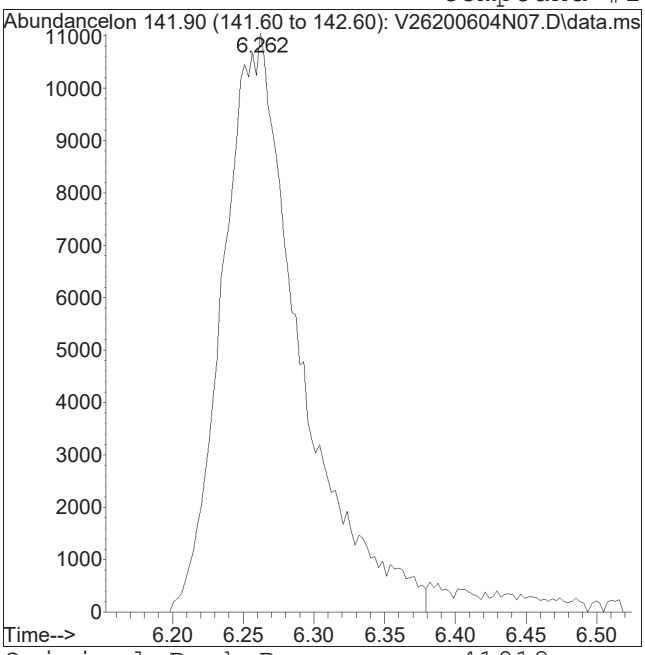
Original Peak Response = 52967 Manual Peak Response = 53455 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

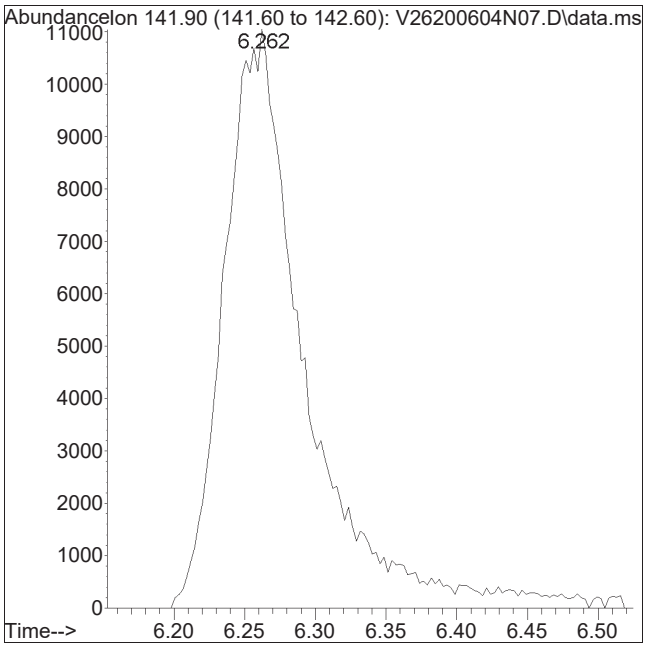
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N07.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 8:50 pm Instrument : VOA126
Sample : i8260stdl20ppb Quant Date : 6/5/2020 10:57 am

Compound #14: Iodomethane



Original Peak Response = 41918



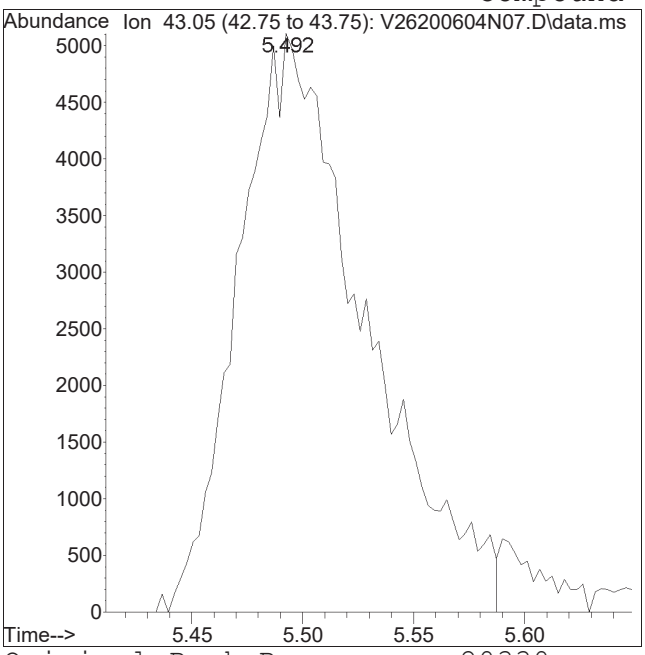
Manual Peak Response = 44034 M1

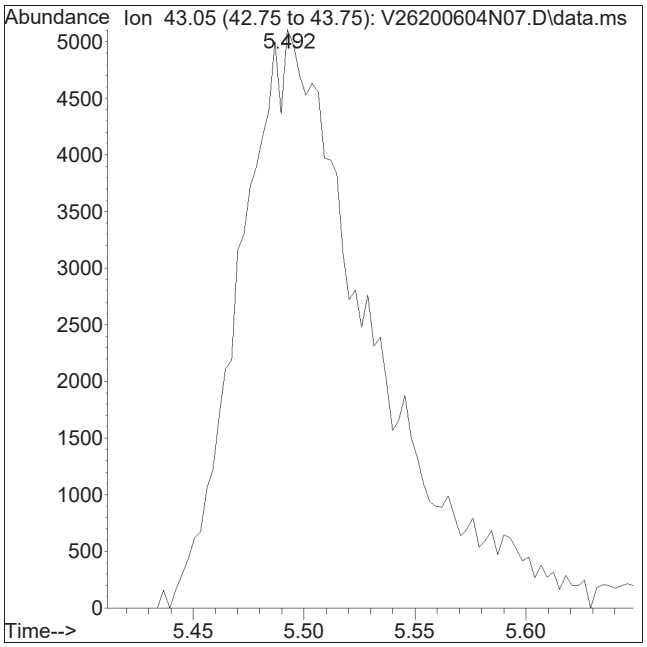
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N07.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 8:50 pm Instrument : VOA126
Sample : i8260stdl20ppb Quant Date : 6/5/2020 10:57 am

Compound #19: Acetone





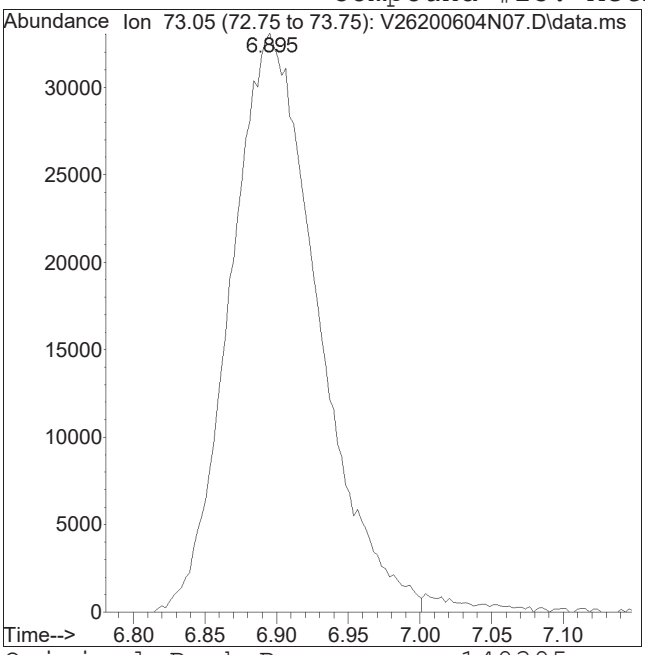
Original Peak Response = 20330 Manual Peak Response = 21138 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

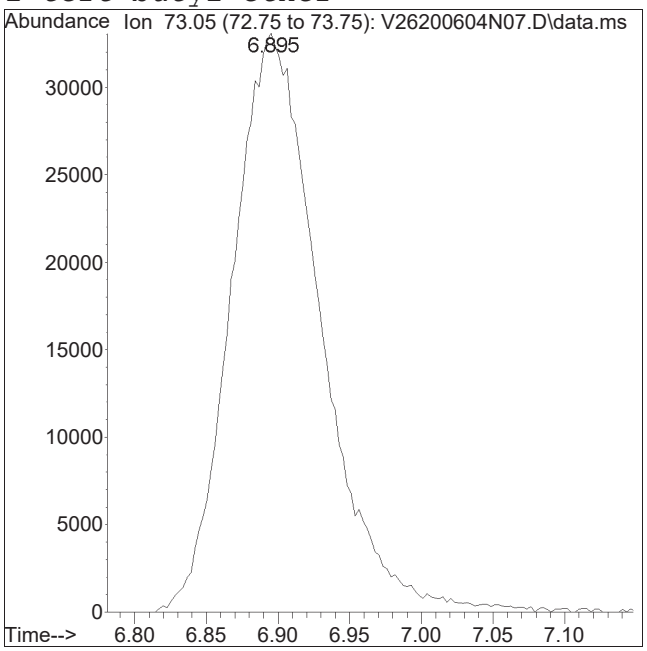
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N07.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 8:50 pm Instrument : VOA126
Sample : i8260stdl20ppb Quant Date : 6/5/2020 10:57 am

Compound #23: Methyl tert-butyl ether



Original Peak Response = 140395



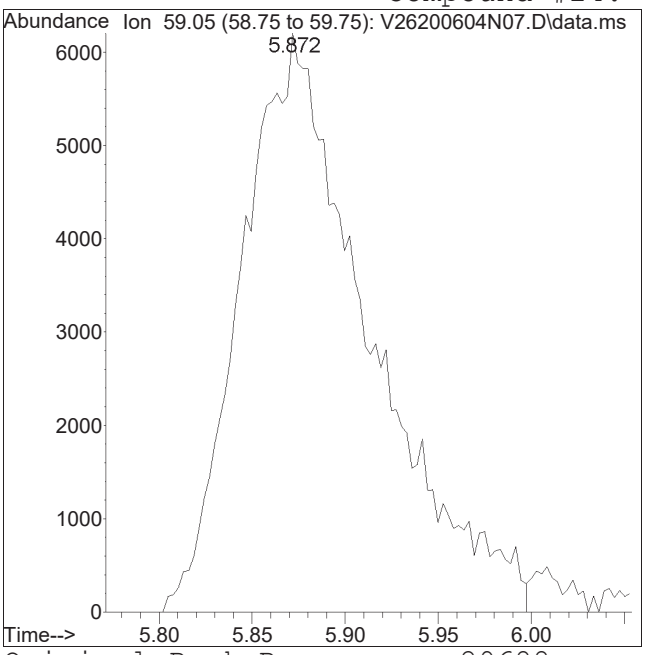
Manual Peak Response = 142967 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

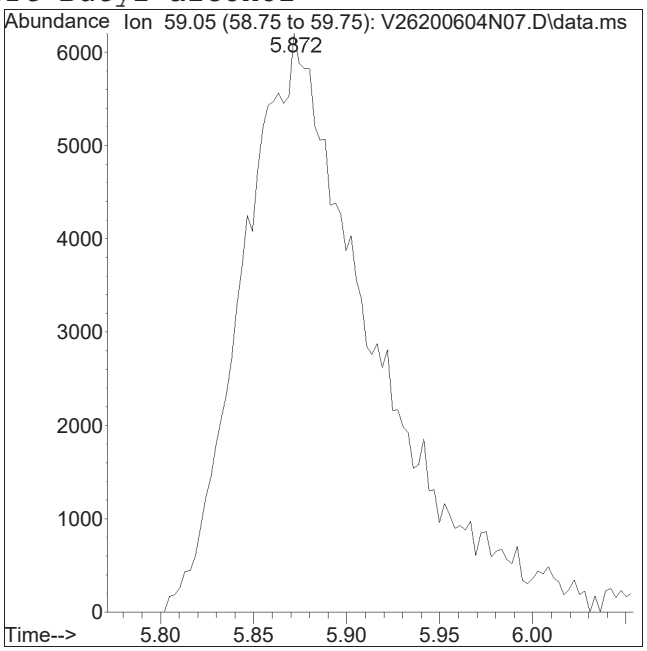
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N07.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 8:50 pm Instrument : VOA126
Sample : i8260std120ppb Quant Date : 6/5/2020 10:57 am

Compound #24: tert-Butyl alcohol



Original Peak Response = 29688



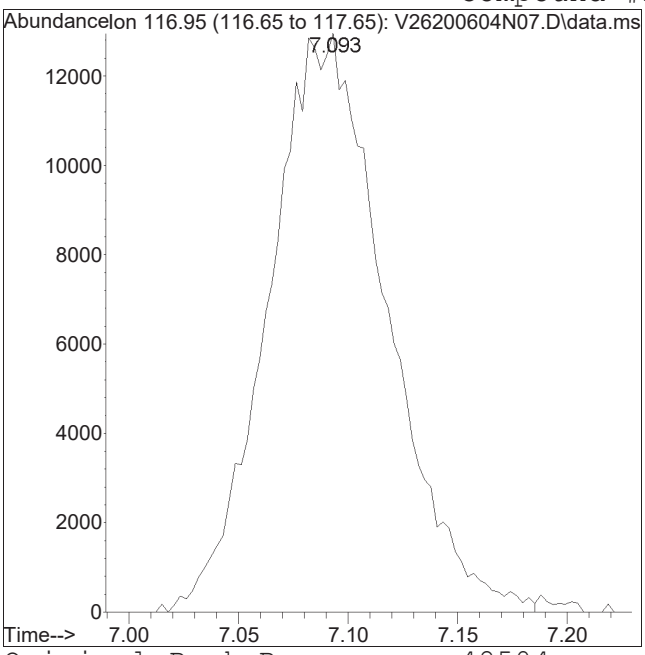
Manual Peak Response = 30284 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

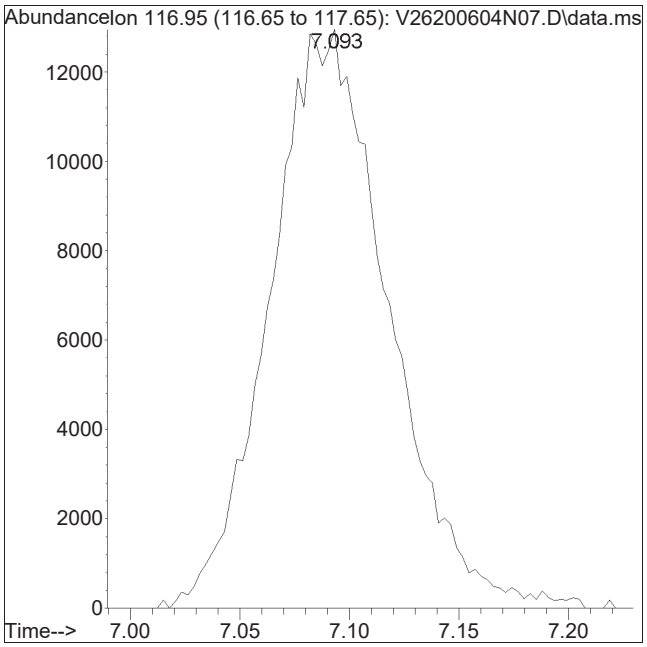
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N07.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 8:50 pm Instrument : VOA126
Sample : i8260std120ppb Quant Date : 6/5/2020 10:57 am

Compound #27: Halothane



Original Peak Response = 48504



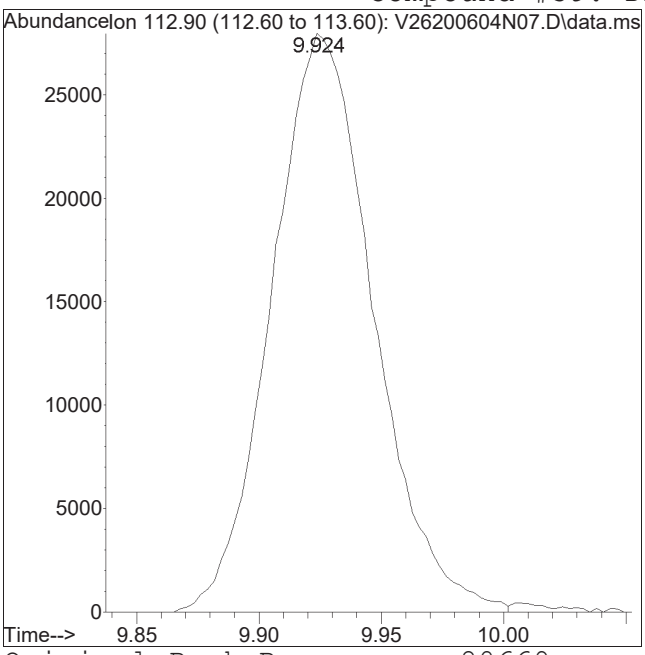
Manual Peak Response = 48741 M1

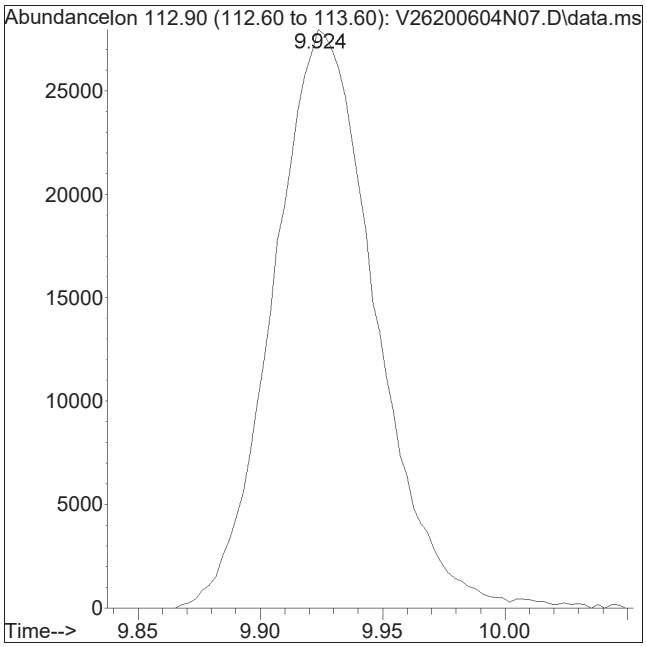
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N07.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 8:50 pm Instrument : VOA126
Sample : i8260stdl20ppb Quant Date : 6/5/2020 10:57 am

Compound #39: Dibromofluoromethane



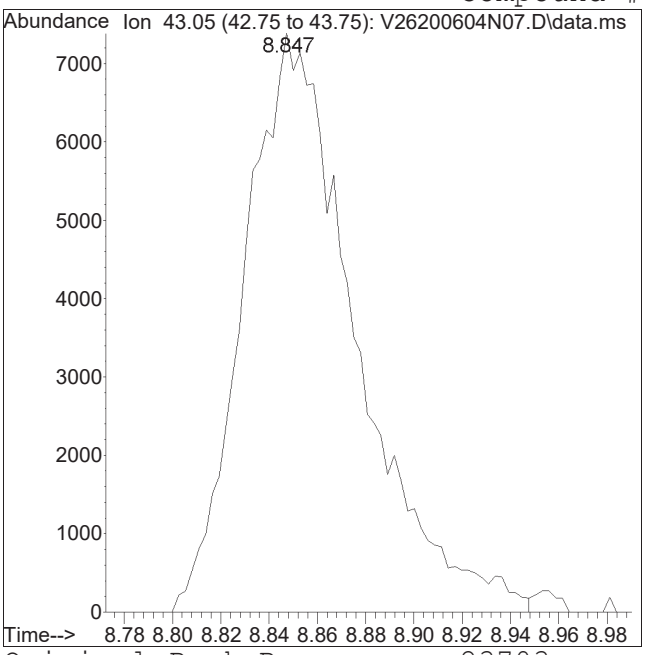


Original Peak Response = 80669 Manual Peak Response = 81192 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

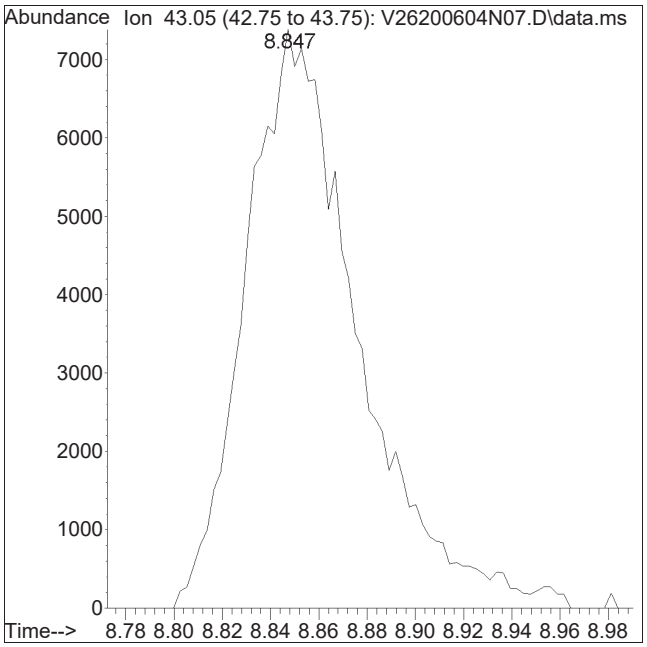
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N07.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 8:50 pm Instrument : VOA126
Sample : i8260stdl20ppb Quant Date : 6/5/2020 10:57 am

Compound #42: 2-Butanone



Original Peak Response = 23703



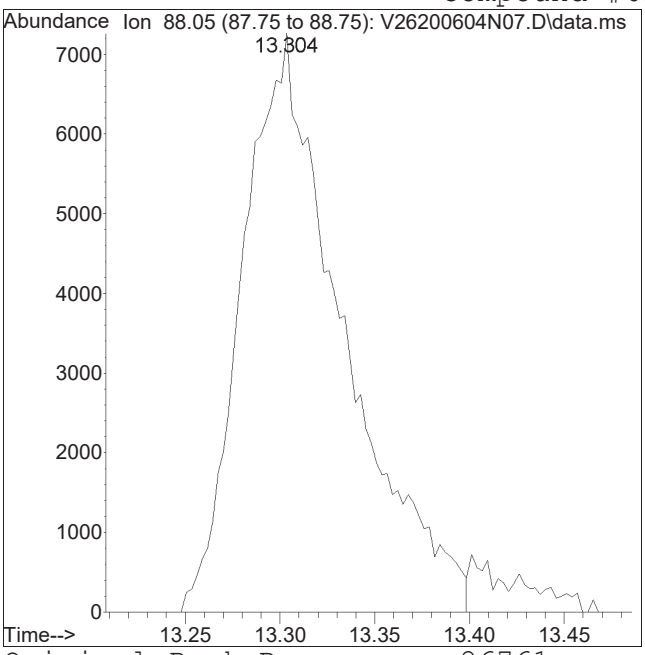
Manual Peak Response = 23888 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

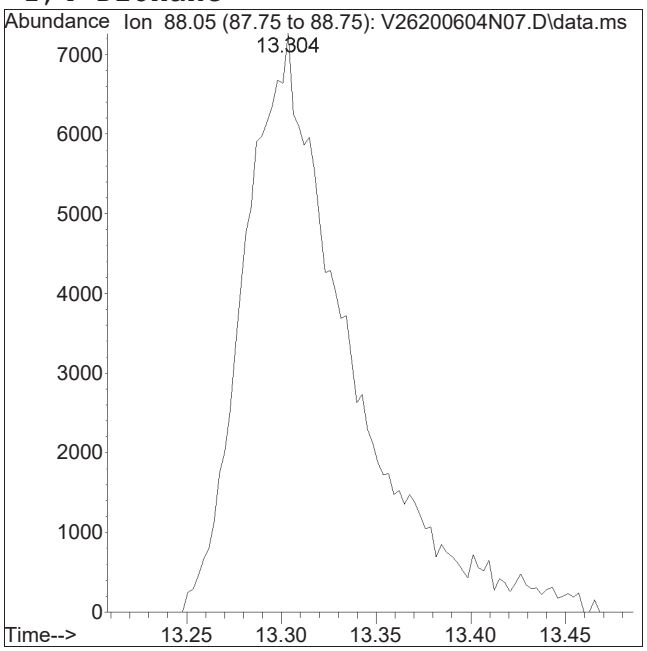
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N07.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 8:50 pm Instrument : VOA126
Sample : i8260stdl20ppb Quant Date : 6/5/2020 10:57 am

Compound #61: 1,4-Dioxane



Original Peak Response = 26761



Manual Peak Response = 27997 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N08.D
Acq On : 04 Jun 2020 09:30 pm
Operator : VOA126:JC
Sample : i8260stdl40ppb
Misc : WG1378377,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 05 10:53:27 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 10:43:29 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	11.561	96	320322	20.000	ug/L	0.00
Standard Area 1 = 320322			Recovery = 100.00%			
63) Chlorobenzene-d5	18.265	117	269772	20.000	ug/L	0.00
Standard Area 1 = 269772			Recovery = 100.00%			
88) 1,4-Dichlorobenzene-d4	23.920	152	141486	20.000	ug/L	0.00
Standard Area 1 = 141486			Recovery = 100.00%			
System Monitoring Compounds						
39) Dibromofluoromethane	9.929	113	83135	18.804	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 94.02%			
47) 1,2-Dichloroethane-d4	10.928	65	83939	14.492	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 72.46%			
65) Toluene-d8	14.901	98	338029	18.492	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 92.46%			
92) 4-Bromofluorobenzene	21.101	95	138499	18.515	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 92.58%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.695	85	100883	16.903	ug/L	97
3) Chlorodifluoromethane	2.681	51	228074	51.387	ug/L #	94
4) Chloromethane	3.080	50	178056M1	52.702	ug/L	
5) Vinyl chloride	3.239	62	148083	39.946	ug/L	95
6) Bromomethane	3.964	94	101691M1	37.912	ug/L	
7) Chloroethane	4.109	64	116832M1	51.962	ug/L	
8) Trichlorofluoromethane	4.555	101	201809	24.292	ug/L	98
9) Ethyl ether	5.108	74	68178	39.277	ug/L	71
11) 1,1-Dichloroethene	5.679	96	123091	37.045	ug/L #	79
12) Carbon disulfide	6.597	76	389337	36.296	ug/L	100
13) Freon-113	5.345	101	119938	32.636	ug/L	98
14) Iodomethane	6.254	142	123449	41.914	ug/L	99
15) Acrolein	5.361	56	24178M1	59.266	ug/L	
16) Allyl chloride	6.390	76	82965	42.758	ug/L	80
17) Methylene chloride	6.608	84	143425	35.267	ug/L	77
19) Acetone	5.498	43	44770M1	41.642	ug/L	
20) trans-1,2-Dichloroethene	7.166	96	147278	38.043	ug/L	85
21) Methyl acetate	6.346	43	97592	61.938	ug/L	94
22) Hexane	7.274	57	305091	64.787	ug/L	98
23) Methyl tert-butyl ether	6.892	73	338226	29.913	ug/L	92
24) tert-Butyl alcohol	5.863	59	76772M1	221.418	ug/L	

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N08.D
Acq On : 04 Jun 2020 09:30 pm
Operator : VOA126:JC
Sample : i8260stdl40ppb
Misc : WG1378377,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 05 10:53:27 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 10:43:29 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Diisopropyl ether	7.776	45	617308	63.728	ug/L		94
26) 1,1-Dichloroethane	7.997	63	307191	42.083	ug/L		97
27) Halothane	7.082	117	112050	41.893	ug/L		100
28) Acrylonitrile	6.870	53	50333	64.308	ug/L		97
29) Ethyl tert-butyl ether	8.579	59	532110	45.224	ug/L		93
30) Vinyl acetate	8.019	43	288014	53.605	ug/L		96
31) cis-1,2-Dichloroethene	9.182	96	157139	37.335	ug/L		86
32) 2,2-Dichloropropane	9.084	77	203645	25.686	ug/L		97
33) Bromochloromethane	9.826	128	69719	40.950	ug/L	#	77
34) Cyclohexane	10.283	56	314297	56.973	ug/L		78
35) Chloroform	9.491	83	259903	28.185	ug/L		98
36) Ethyl acetate	9.182	43	123760	58.490	ug/L		98
37) Carbon tetrachloride	10.771	117	203084	25.927	ug/L		100
38) Tetrahydrofuran	9.904	42	37958	64.780	ug/L	#	87
40) 1,1,1-Trichloroethane	10.272	97	232124	26.468	ug/L		97
42) 2-Butanone	8.844	43	57774M1	61.449	ug/L		
43) 1,1-Dichloropropene	10.590	75	190895	33.186	ug/L		100
44) Heptane	10.911	71	143965	39.943	ug/L	#	76
45) Benzene	11.128	78	577686	37.745	ug/L		92
46) tert-Amyl methyl ether	10.824	73	366065	32.545	ug/L	#	89
48) 1,2-Dichloroethane	11.117	62	204914	29.024	ug/L		98
51) Methyl cyclohexane	12.470	83	229676	35.396	ug/L	#	71
52) Trichloroethene	12.372	95	154957	34.758	ug/L		99
54) Dibromomethane	13.351	93	78919	33.212	ug/L		97
55) 1,2-Dichloropropane	12.749	63	180242	50.921	ug/L		96
57) 2-Chloroethyl vinyl ether	13.903	63	73125	57.334	ug/L		96
58) Bromodichloromethane	13.234	83	198051	29.245	ug/L		99
60) Methyl methacrylate	12.885	69	82057	40.363	ug/L		87
61) 1,4-Dioxane	13.295	88	56894M1	2120.476	ug/L		
62) cis-1,3-Dichloropropene	14.394	75	223779	33.253	ug/L		98
64) Octane	14.600	85	152024	35.832	ug/L	#	82
66) Toluene	15.072	92	374976	33.463	ug/L		98
67) 4-Methyl-2-pentanone	13.962	58	56835	54.071	ug/L	#	86
68) Tetrachloroethene	16.494	166	161192	31.134	ug/L		100
69) 2-Nitropropane	13.401	41	26538	35.901	ug/L	#	94
71) trans-1,3-Dichloropropene	15.493	75	188236	26.687	ug/L		98
72) Methyl isothiocyanate	15.381	73	67438	35.462	ug/L	#	96
74) Ethyl methacrylate	15.479	69	153596	32.802	ug/L		99
75) 1,1,2-Trichloroethane	15.827	83	94669	34.426	ug/L		99
76) Chlorodibromomethane	16.957	129	144313	31.775	ug/L		99

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N08.D
Acq On : 04 Jun 2020 09:30 pm
Operator : VOA126:JC
Sample : i8260stdl40ppb
Misc : WG1378377,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 05 10:53:27 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 10:43:29 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
77) 1,3-Dichloropropane	16.391	76	194650	31.558	ug/L		100
78) 1,2-Dibromoethane	17.411	107	109437	33.143	ug/L		100
79) n-Butyl Acetate	16.402	43	256665	60.889	ug/L		93
80) 2-Hexanone	15.855	43	94536	51.526	ug/L		94
81) Nonane	18.044	57	366074	56.211	ug/L	#	85
82) Chlorobenzene	18.351	112	415126	34.773	ug/L		99
83) Ethylbenzene	18.479	91	724514	31.103	ug/L		96
84) 1,1,1,2-Tetrachloroethane	18.460	131	148571	31.308	ug/L		99
85) p/m Xylene	18.655	106	557689	68.915	ug/L		88
86) o Xylene	19.662	106	536037	69.212	ug/L		86
87) Styrene	19.754	104	904190	70.590	ug/L		96
89) Bromoform	20.529	173	83613	27.993	ug/L		100
91) Isopropylbenzene	20.507	105	717278	32.047	ug/L		96
93) Bromobenzene	21.541	156	169728	33.474	ug/L		99
94) Decane	21.209	57	437228	59.863	ug/L	#	85
95) n-Propylbenzene	21.458	91	850924	31.933	ug/L		96
96) 1,4-Dichlorobutane	20.758	55	242941	47.656	ug/L		97
97) 1,1,2,2-Tetrachloroethane	20.939	83	138050	36.678	ug/L		99
98) 4-Ethyltoluene	21.734	105	706457	32.510	ug/L		96
99) 2-Chlorotoluene	21.870	91	556545	29.845	ug/L		97
100) 1,3,5-Trimethylbenzene	21.842	105	601384	31.300	ug/L		96
101) 1,2,3-Trichloropropane	21.285	75	101564	30.395	ug/L		98
102) trans-1,4-Dichloro-2-b...	21.469	53	46112	36.101	ug/L	#	76
103) 4-Chlorotoluene	21.987	91	516340	30.630	ug/L		98
104) tert-Butylbenzene	22.687	119	516975	32.908	ug/L		99
107) 1,2,4-Trimethylbenzene	22.777	105	594886	31.407	ug/L		96
108) Limonene	23.348	68	214739	37.995	ug/L		100
109) sec-Butylbenzene	23.201	105	773732	33.027	ug/L		97
110) p-Isopropyltoluene	23.541	119	664422	33.309	ug/L		98
111) 1,3-Dichlorobenzene	23.739	146	336507	34.554	ug/L		100
112) 1,4-Dichlorobenzene	23.995	146	331351	34.397	ug/L		99
113) trans-Decahydronaphtha...	24.478	138	178884	37.152	ug/L		97
114) Undecane	24.107	57	455075	64.765	ug/L	#	84
115) p-Diethylbenzene	24.536	119	406442	33.970	ug/L		99
116) n-Butylbenzene	24.508	91	754975	30.593	ug/L		97
117) Hexachloroethane	25.624	117	129477	35.300	ug/L		95
118) 1,2-Dichlorobenzene	24.846	146	304343	34.541	ug/L		100
119) cis-Decahydronaphthalene	25.922	138	142979	37.364	ug/L		97
120) 1,2,4,5-Tetramethylben...	26.229	119	625708	32.808	ug/L		96
121) 1,2-Dibromo-3-chloropr...	26.572	155	22084	34.552	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N08.D
Acq On : 04 Jun 2020 09:30 pm
Operator : VOA126:JC
Sample : i8260stdl40ppb
Misc : WG1378377,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 05 10:53:27 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 10:43:29 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
122) 1,3,5-Trichlorobenzene	27.035	180	241906	30.529	ug/L	99
123) Nitrobenzene	26.756	77	8405	28.267	ug/L	91
124) Hexachlorobutadiene	28.491	225	112700	22.757	ug/L	100
125) 1,2,4-Trichlorobenzene	28.240	180	218139	31.089	ug/L	100
126) Naphthalene	28.691	128	454010	36.750	ug/L	100
127) 1,2,3-Trichlorobenzene	29.126	180	191933	30.277	ug/L	99

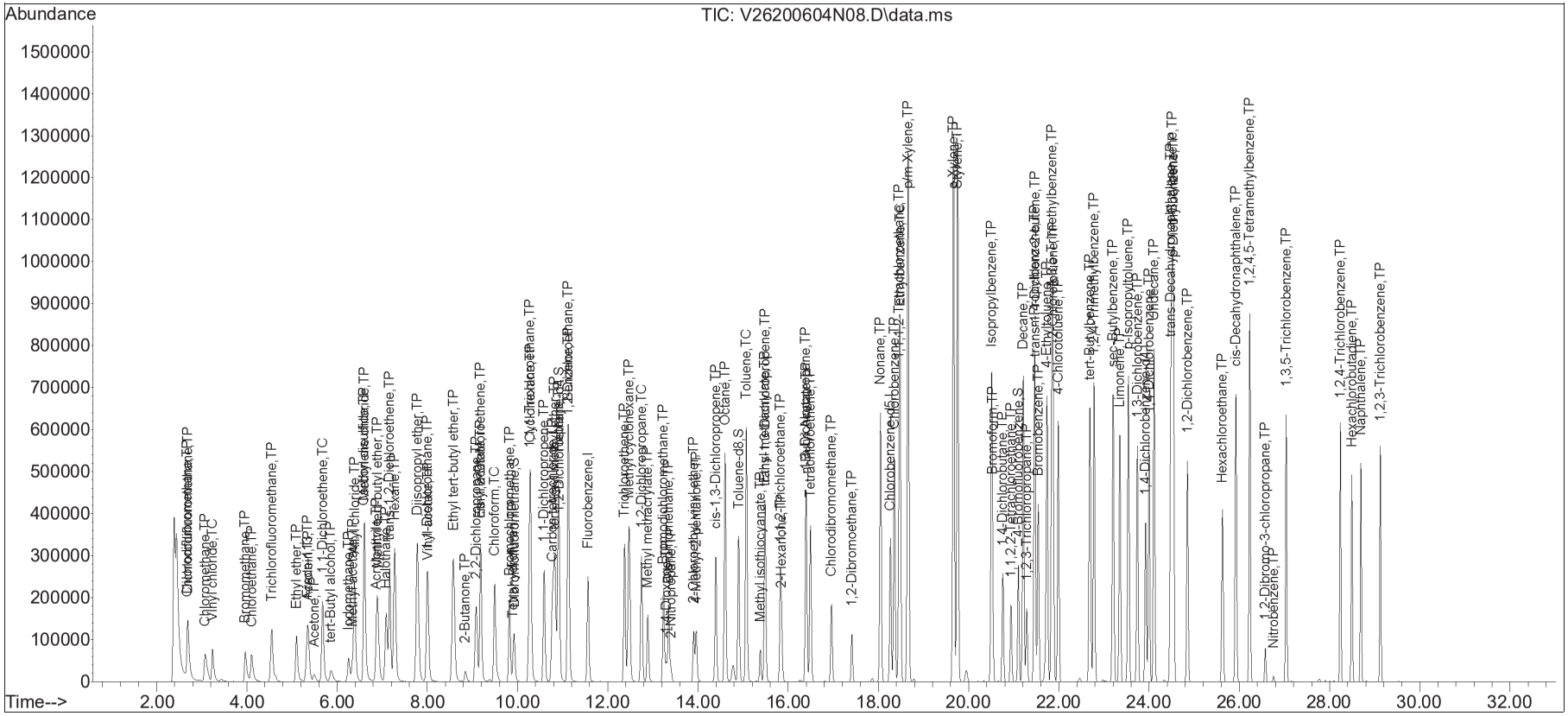
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N08.D
Acq On : 04 Jun 2020 09:30 pm
Operator : VOA126:JC
Sample : i8260stdl40ppb
Misc : WG1378377,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 05 10:53:27 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 10:43:29 2020
Response via : Initial Calibration

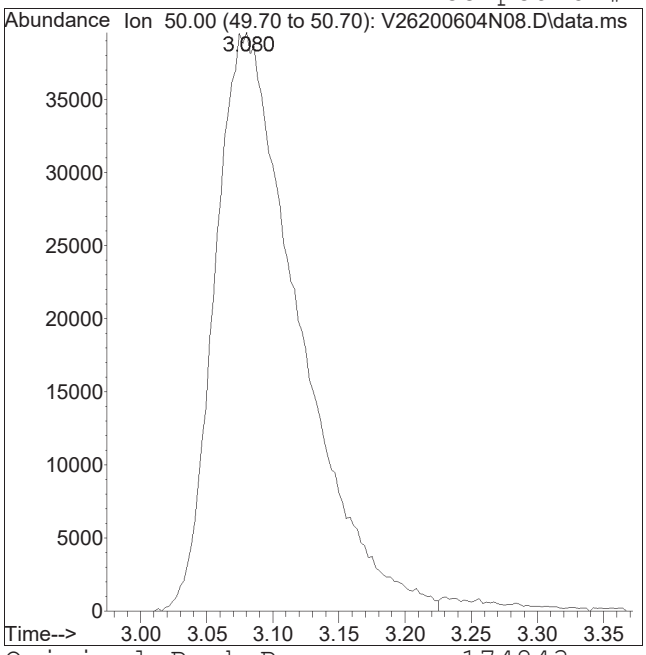
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk00604N08.D•



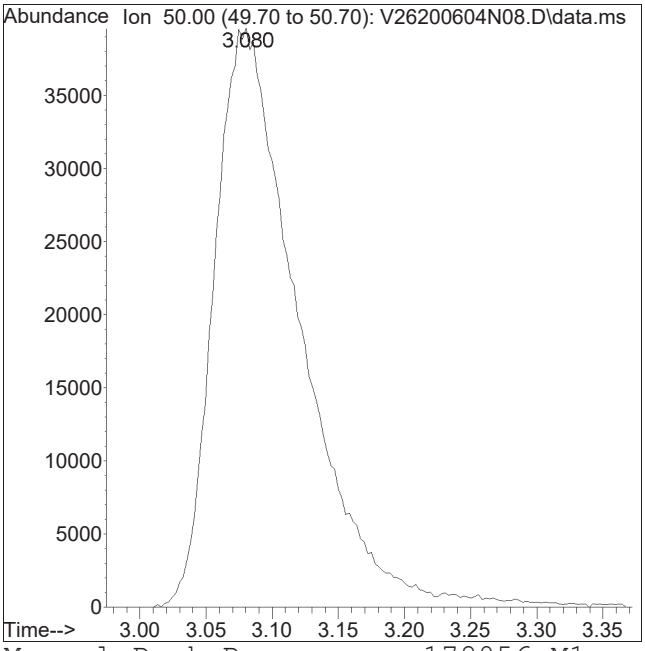
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N08.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 9:30 pm Instrument : VOA126
Sample : i8260std140ppb Quant Date : 6/5/2020 10:43 am

Compound #4: Chloromethane



Original Peak Response = 174843



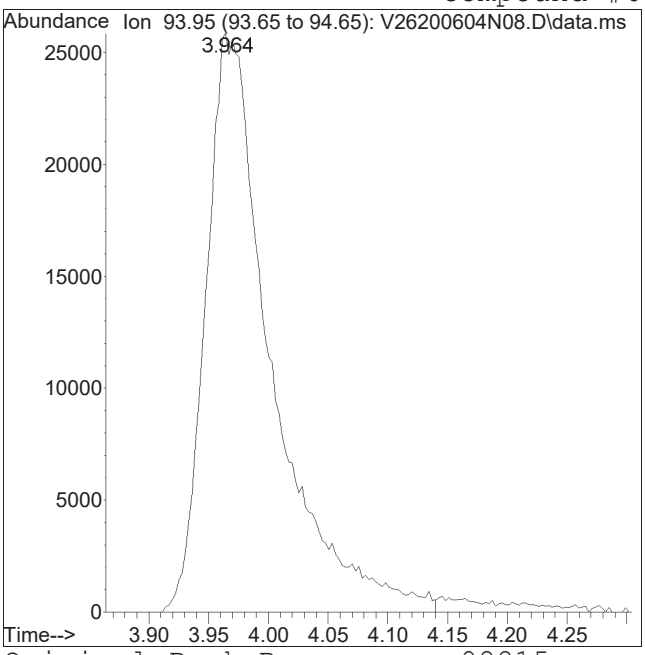
Manual Peak Response = 178056 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

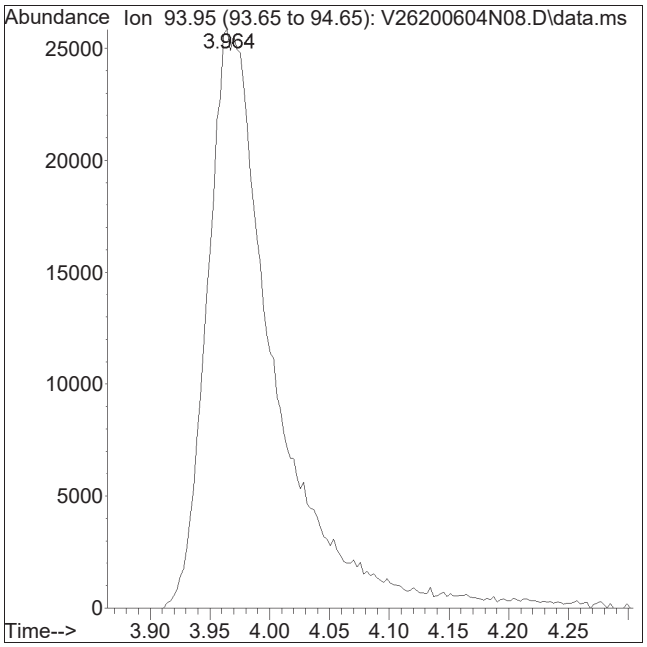
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N08.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 9:30 pm Instrument : VOA126
Sample : i8260stdl40ppb Quant Date : 6/5/2020 10:43 am

Compound #6: Bromomethane



Original Peak Response = 98815



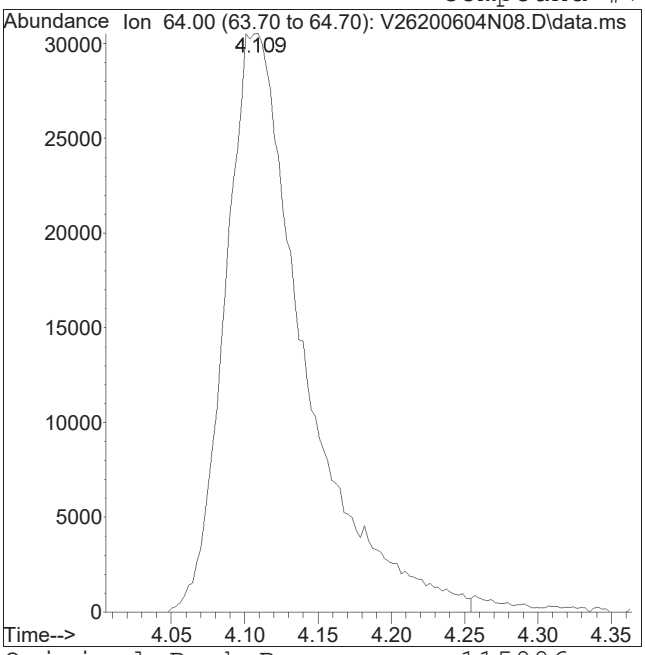
Manual Peak Response = 101691 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

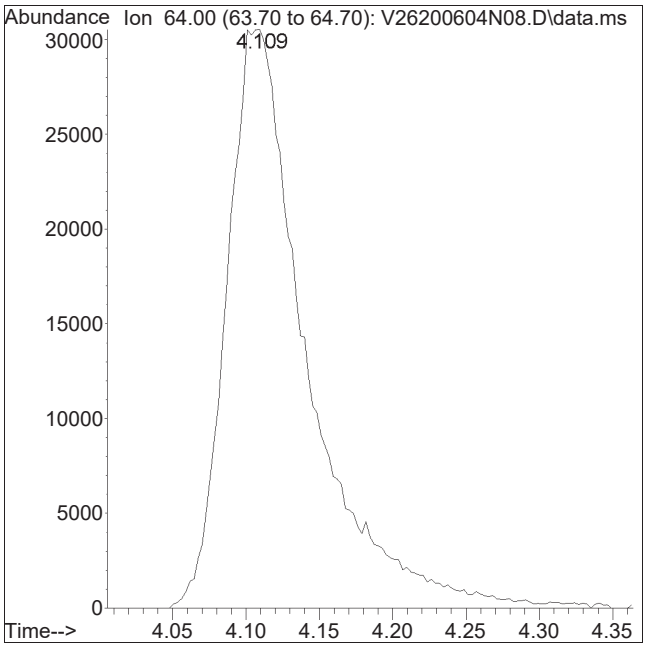
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N08.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 9:30 pm Instrument : VOA126
Sample : i8260stdl40ppb Quant Date : 6/5/2020 10:43 am

Compound #7: Chloroethane



Original Peak Response = 115006



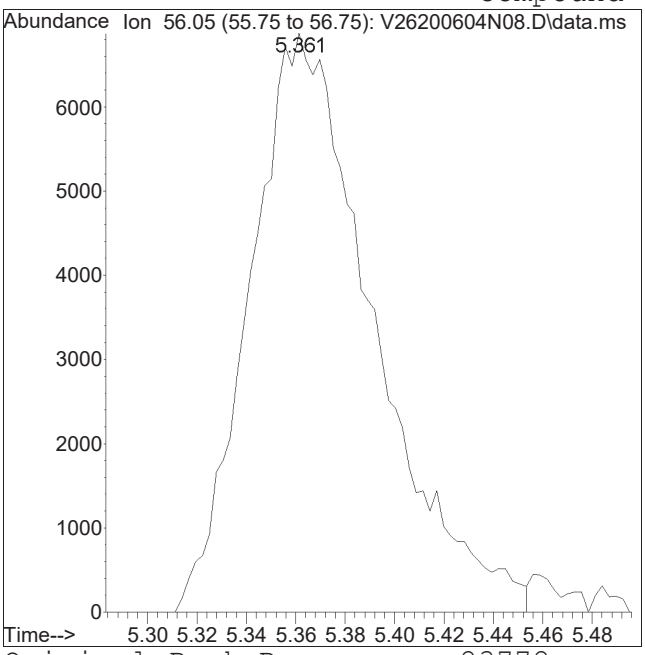
Manual Peak Response = 116832 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

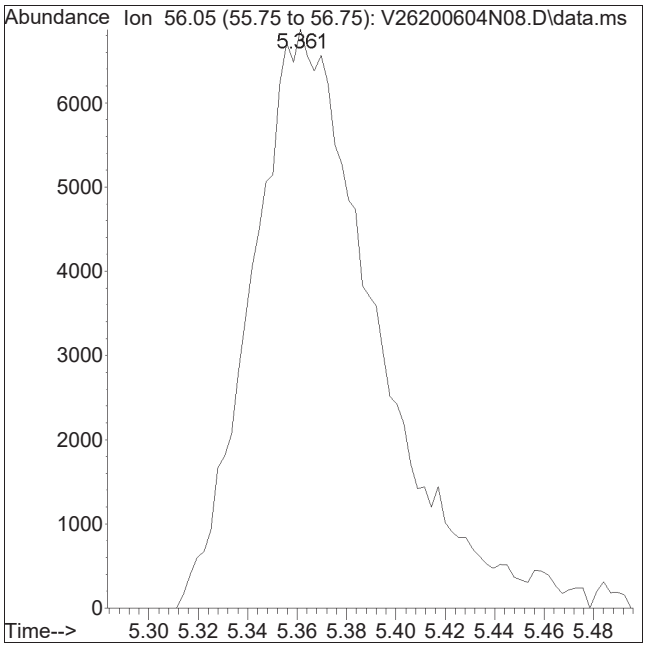
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N08.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 9:30 pm Instrument : VOA126
Sample : i8260std140ppb Quant Date : 6/5/2020 10:43 am

Compound #15: Acrolein



Original Peak Response = 23772



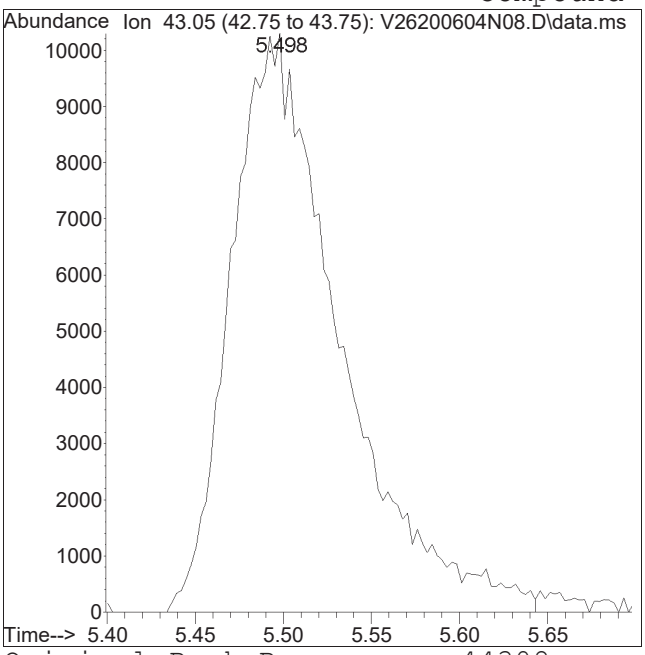
Manual Peak Response = 24178 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

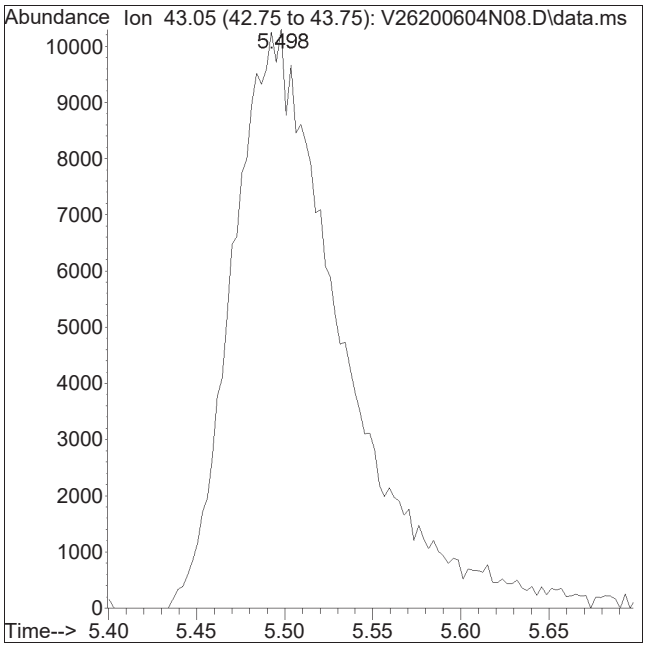
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N08.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 9:30 pm Instrument : VOA126
Sample : i8260std140ppb Quant Date : 6/5/2020 10:43 am

Compound #19: Acetone



Original Peak Response = 44308



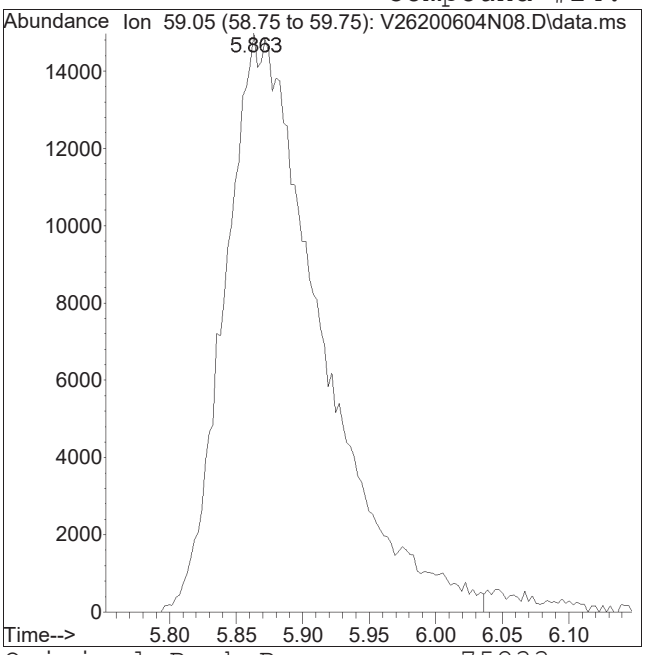
Manual Peak Response = 44770 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

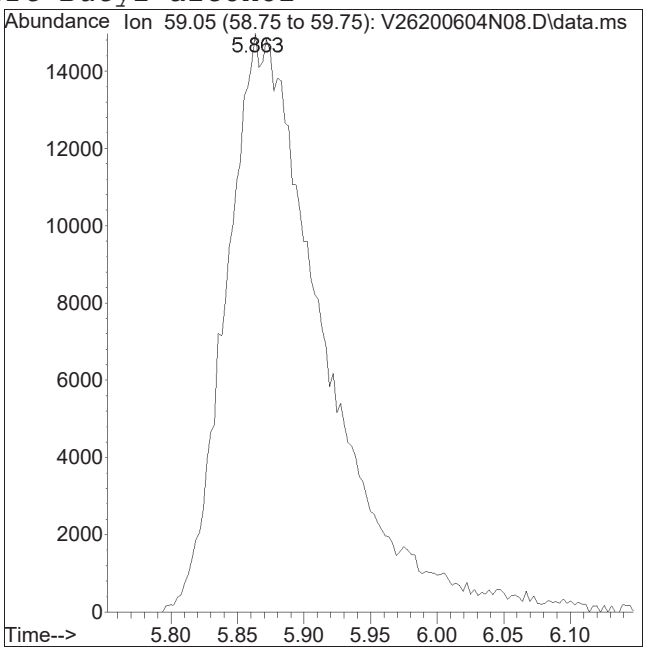
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N08.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 9:30 pm Instrument : VOA126
Sample : i8260std140ppb Quant Date : 6/5/2020 10:43 am

Compound #24: tert-Butyl alcohol



Original Peak Response = 75233



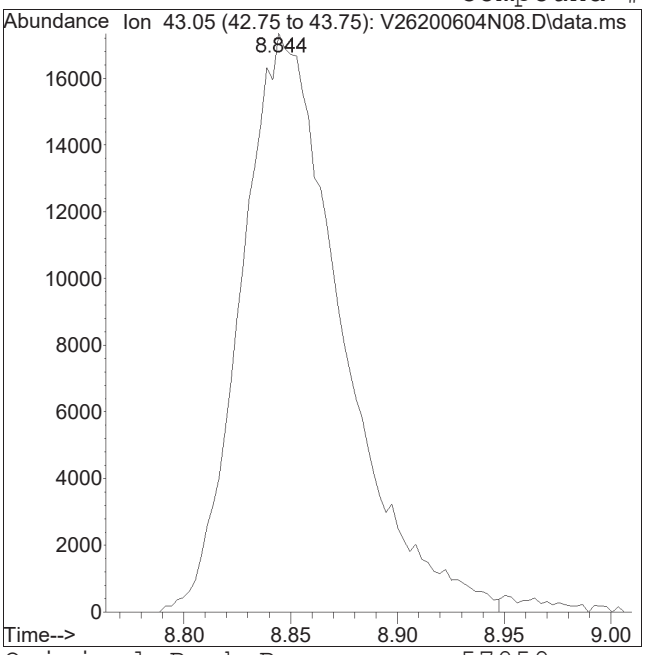
Manual Peak Response = 76772 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

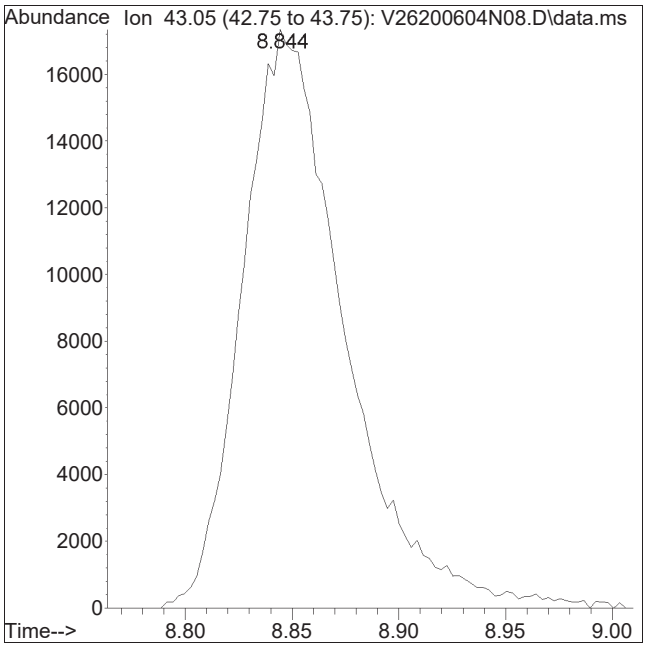
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N08.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 9:30 pm Instrument : VOA126
Sample : i8260stdl40ppb Quant Date : 6/5/2020 10:43 am

Compound #42: 2-Butanone



Original Peak Response = 57059



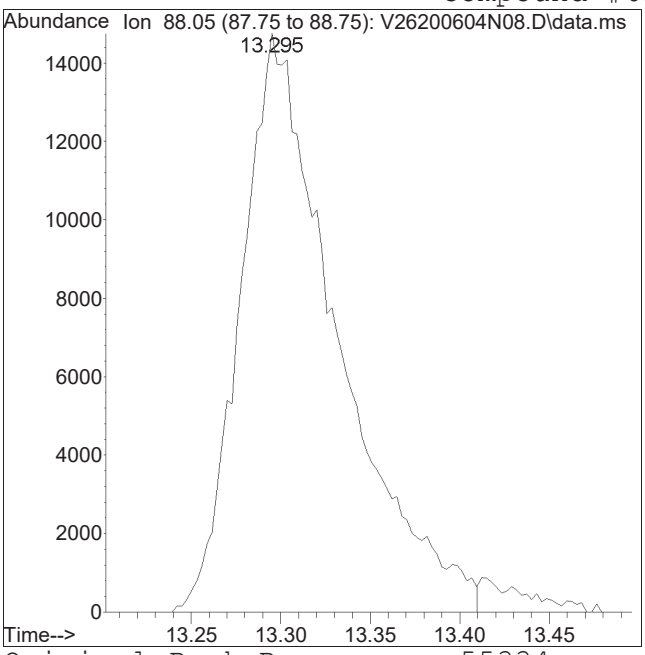
Manual Peak Response = 57774 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

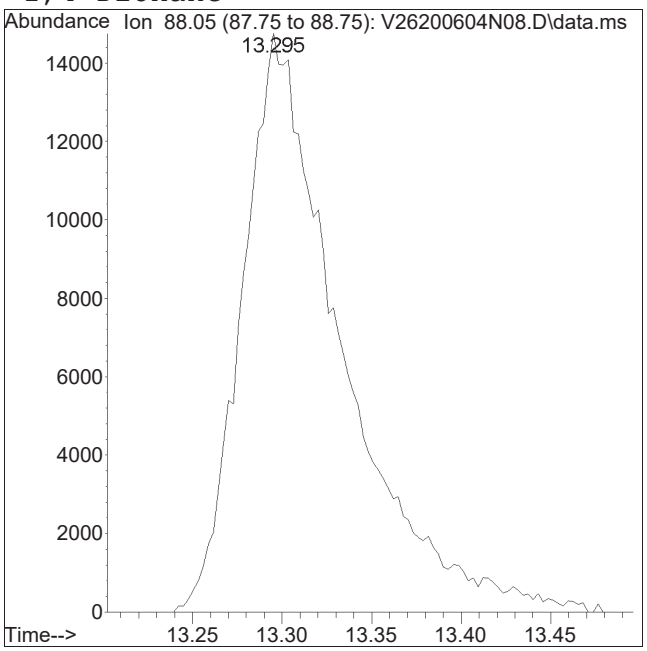
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N08.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 9:30 pm Instrument : VOA126
Sample : i8260stdl40ppb Quant Date : 6/5/2020 10:43 am

Compound #61: 1,4-Dioxane



Original Peak Response = 55334



Manual Peak Response = 56894 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N09.D
Acq On : 04 Jun 2020 10:10 pm
Operator : VOA126:JC
Sample : i8260stdl100ppb
Misc : WG1378377,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 05 11:19:10 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 10:55:37 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	11.563	96	324327	20.000	ug/L	0.00
Standard Area 1 = 320322			Recovery = 101.25%			
63) Chlorobenzene-d5	18.264	117	274328	20.000	ug/L	0.00
Standard Area 1 = 269772			Recovery = 101.69%			
88) 1,4-Dichlorobenzene-d4	23.923	152	145241	20.000	ug/L	0.00
Standard Area 1 = 141486			Recovery = 102.65%			
System Monitoring Compounds						
39) Dibromofluoromethane	9.924	113	84751	20.137	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.69%			
47) 1,2-Dichloroethane-d4	10.925	65	87281	20.539	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.70%			
65) Toluene-d8	14.901	98	340489	19.811	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.06%			
92) 4-Bromofluorobenzene	21.103	95	141993	19.974	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.87%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.690	85	264898	103.735	ug/L	96
3) Chlorodifluoromethane	2.684	51	599735	103.884	ug/L #	94
4) Chloromethane	3.077	50	444198m	98.556	ug/L	
5) Vinyl chloride	3.236	62	362638	96.746	ug/L	97
6) Bromomethane	3.961	94	252172M1	97.967	ug/L	
7) Chloroethane	4.106	64	288072	97.410	ug/L	98
8) Trichlorofluoromethane	4.550	101	523688	102.517	ug/L	98
9) Ethyl ether	5.102	74	177067	102.602	ug/L	71
11) 1,1-Dichloroethene	5.674	96	318504	102.224	ug/L	80
12) Carbon disulfide	6.594	76	967279	98.150	ug/L	100
13) Freon-113	5.342	101	317547	104.596	ug/L	98
14) Iodomethane	6.254	142	349740M1	111.924	ug/L	
15) Acrolein	5.358	56	63335M1	103.487	ug/L	
16) Allyl chloride	6.385	76	217796	103.710	ug/L	81
17) Methylene chloride	6.605	84	365450	100.662	ug/L	78
19) Acetone	5.495	43	106299M1	93.801	ug/L	
20) trans-1,2-Dichloroethene	7.163	96	370801	99.464	ug/L	84
21) Methyl acetate	6.340	43	259090	104.882	ug/L	94
22) Hexane	7.274	57	808474	104.689	ug/L	97
23) Methyl tert-butyl ether	6.892	73	883886	103.241	ug/L	93
24) tert-Butyl alcohol	5.869	59	203756	524.253	ug/L	98

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N09.D
Acq On : 04 Jun 2020 10:10 pm
Operator : VOA126:JC
Sample : i8260stdl100ppb
Misc : WG1378377,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 05 11:19:10 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 10:55:37 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
25) Diisopropyl ether	7.776	45	1596327	102.161 ug/L	94
26) 1,1-Dichloroethane	7.994	63	782636	100.650 ug/L	96
27) Halothane	7.087	117	286155	100.891 ug/L	100
28) Acrylonitrile	6.873	53	130547	102.466 ug/L	98
29) Ethyl tert-butyl ether	8.577	59	1402555	104.132 ug/L	93
30) Vinyl acetate	8.016	43	769898	105.605 ug/L	96
31) cis-1,2-Dichloroethene	9.185	96	401722	100.996 ug/L	86
32) 2,2-Dichloropropane	9.084	77	523311	101.520 ug/L	98
33) Bromochloromethane	9.823	128	176965	100.277 ug/L #	78
34) Cyclohexane	10.286	56	821139	103.214 ug/L	77
35) Chloroform	9.491	83	663191	100.807 ug/L	98
36) Ethyl acetate	9.179	43	318932	101.808 ug/L	98
37) Carbon tetrachloride	10.774	117	533226	103.729 ug/L	100
38) Tetrahydrofuran	9.901	42	99214	103.260 ug/L #	87
40) 1,1,1-Trichloroethane	10.272	97	593017	100.928 ug/L	98
42) 2-Butanone	8.844	43	150151	102.674 ug/L	91
43) 1,1-Dichloropropene	10.587	75	488024	100.997 ug/L	100
44) Heptane	10.908	71	373080	102.378 ug/L #	75
45) Benzene	11.131	78	1465033	100.189 ug/L	93
46) tert-Amyl methyl ether	10.824	73	969047	104.580 ug/L	91
48) 1,2-Dichloroethane	11.117	62	528471	101.886 ug/L	98
51) Methyl cyclohexane	12.472	83	608042	104.588 ug/L #	71
52) Trichloroethene	12.369	95	396365	101.053 ug/L	99
54) Dibromomethane	13.351	93	204324	102.283 ug/L	97
55) 1,2-Dichloropropane	12.748	63	464313	101.770 ug/L	96
57) 2-Chloroethyl vinyl ether	13.906	63	205370	110.952 ug/L	97
58) Bromodichloromethane	13.236	83	521898	104.105 ug/L	100
60) Methyl methacrylate	12.888	69	217496	104.713 ug/L	87
61) 1,4-Dioxane	13.298	88	143784	4992.036 ug/L #	79
62) cis-1,3-Dichloropropene	14.394	75	595227	105.082 ug/L	99
64) Octane	14.603	85	394188	101.995 ug/L #	83
66) Toluene	15.071	92	952282	99.896 ug/L	98
67) 4-Methyl-2-pentanone	13.962	58	150355	104.061 ug/L #	88
68) Tetrachloroethene	16.494	166	403323	98.423 ug/L	100
69) 2-Nitropropane	13.398	41	72335	107.218 ug/L #	99
71) trans-1,3-Dichloropropene	15.493	75	500986	104.691 ug/L	98
72) Methyl isothiocyanate	15.384	73	192803	112.459 ug/L #	96
74) Ethyl methacrylate	15.479	69	402421	103.059 ug/L	99
75) 1,1,2-Trichloroethane	15.830	83	246133	102.270 ug/L	99
76) Chlorodibromomethane	16.959	129	383673	104.579 ug/L	99

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N09.D
Acq On : 04 Jun 2020 10:10 pm
Operator : VOA126:JC
Sample : i8260stdl100ppb
Misc : WG1378377,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 05 11:19:10 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 10:55:37 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
77) 1,3-Dichloropropane	16.390	76	505897	102.234 ug/L	100
78) 1,2-Dibromoethane	17.408	107	287661	103.396 ug/L	100
79) n-Butyl Acetate	16.402	43	658010	100.845 ug/L	93
80) 2-Hexanone	15.855	43	251963	104.840 ug/L	94
81) Nonane	18.050	57	962001	103.370 ug/L #	86
82) Chlorobenzene	18.354	112	1058602	100.309 ug/L	99
83) Ethylbenzene	18.482	91	1815553	98.571 ug/L	97
84) 1,1,1,2-Tetrachloroethane	18.457	131	388727	102.919 ug/L	99
85) p/m Xylene	18.660	106	1403162	197.939 ug/L	88
86) o Xylene	19.670	106	1361831	199.869 ug/L	86
87) Styrene	19.759	104	2310426	201.025 ug/L	97
89) Bromoform	20.532	173	226022	105.332 ug/L	100
91) Isopropylbenzene	20.509	105	1818528	98.791 ug/L	96
93) Bromobenzene	21.544	156	433707	99.570 ug/L	99
94) Decane	21.218	57	1174909	104.708 ug/L #	85
95) n-Propylbenzene	21.463	91	2163242	99.060 ug/L	96
96) 1,4-Dichlorobutane	20.758	55	632362	101.426 ug/L	97
97) 1,1,2,2-Tetrachloroethane	20.936	83	358560	101.207 ug/L	100
98) 4-Ethyltoluene	21.739	105	1793551	98.926 ug/L	96
99) 2-Chlorotoluene	21.870	91	1410944	98.786 ug/L	97
100) 1,3,5-Trimethylbenzene	21.851	105	1515872	98.219 ug/L	96
101) 1,2,3-Trichloropropane	21.285	75	262918	100.871 ug/L	98
102) trans-1,4-Dichloro-2-b...	21.474	53	125326	105.904 ug/L #	80
103) 4-Chlorotoluene	21.990	91	1323885	99.908 ug/L	97
104) tert-Butylbenzene	22.690	119	1317331	99.291 ug/L	99
107) 1,2,4-Trimethylbenzene	22.782	105	1519353	99.520 ug/L	96
108) Limonene	23.354	68	583687	105.914 ug/L	99
109) sec-Butylbenzene	23.203	105	1975611	99.494 ug/L	97
110) p-Isopropyltoluene	23.543	119	1684756	98.805 ug/L	98
111) 1,3-Dichlorobenzene	23.741	146	862628	99.888 ug/L	100
112) 1,4-Dichlorobenzene	23.998	146	849403	99.887 ug/L	100
113) trans-Decahydronaphtha...	24.480	138	468856	102.130 ug/L	97
114) Undecane	24.112	57	1167570	99.973 ug/L #	84
115) p-Diethylbenzene	24.545	119	1019217	97.713 ug/L	99
116) n-Butylbenzene	24.514	91	1895741	97.843 ug/L	97
117) Hexachloroethane	25.624	117	349059	105.049 ug/L	95
118) 1,2-Dichlorobenzene	24.851	146	783111	100.264 ug/L	100
119) cis-Decahydronaphthalene	25.925	138	375387	102.304 ug/L	97
120) 1,2,4,5-Tetramethylben...	26.232	119	1583279	98.598 ug/L	96
121) 1,2-Dibromo-3-chloropr...	26.575	155	59106	104.289 ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N09.D
Acq On : 04 Jun 2020 10:10 pm
Operator : VOA126:JC
Sample : i8260stdl100ppb
Misc : WG1378377,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 05 11:19:10 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 10:55:37 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
122) 1,3,5-Trichlorobenzene	27.038	180	595101	95.858	ug/L	99
123) Nitrobenzene	26.759	77	24301	112.660	ug/L	97
124) Hexachlorobutadiene	28.493	225	277757	96.034	ug/L	99
125) 1,2,4-Trichlorobenzene	28.240	180	530104	94.692	ug/L	100
126) Naphthalene	28.691	128	1128315	96.839	ug/L	100
127) 1,2,3-Trichlorobenzene	29.126	180	471971	95.819	ug/L	100

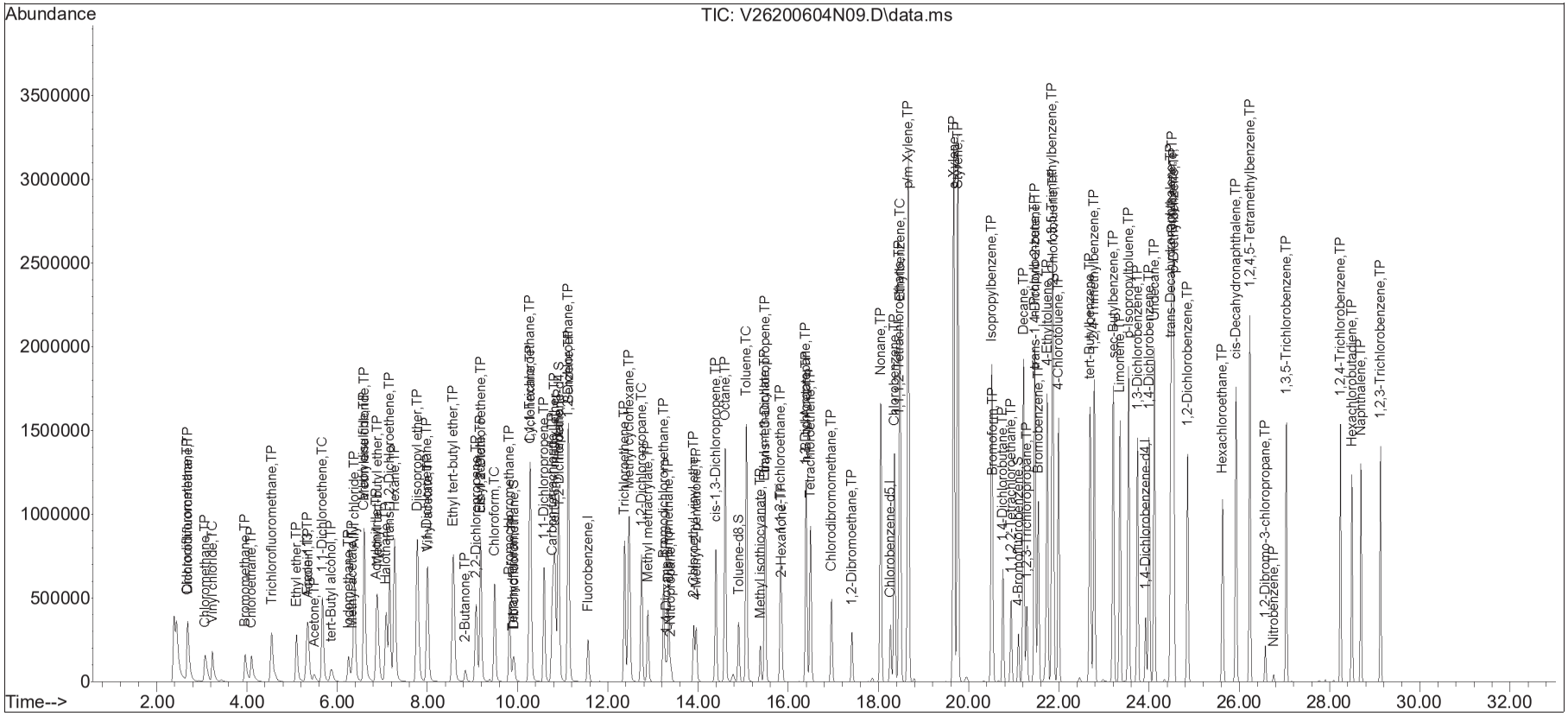
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N09.D
Acq On : 04 Jun 2020 10:10 pm
Operator : VOA126:JC
Sample : i8260stdl100ppb
Misc : WG1378377,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 05 11:19:10 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 10:55:37 2020
Response via : Initial Calibration

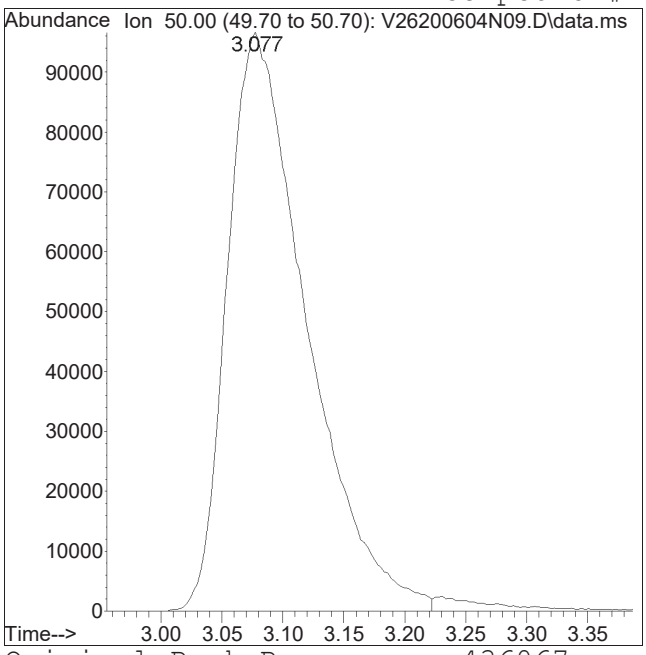
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk00604N08.D•



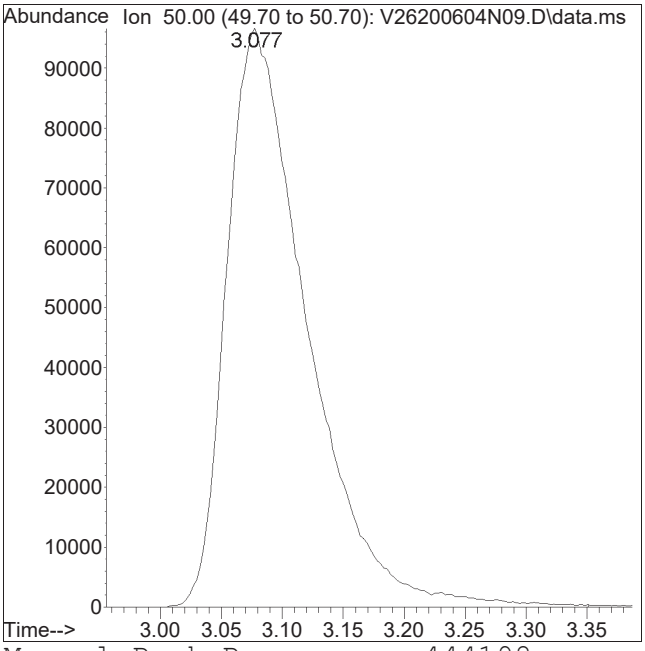
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N09.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 10:10 pm Instrument : VOA126
Sample : i8260std100ppb Quant Date : 6/5/2020 10:57 am

Compound #4: Chloromethane



Original Peak Response = 436067

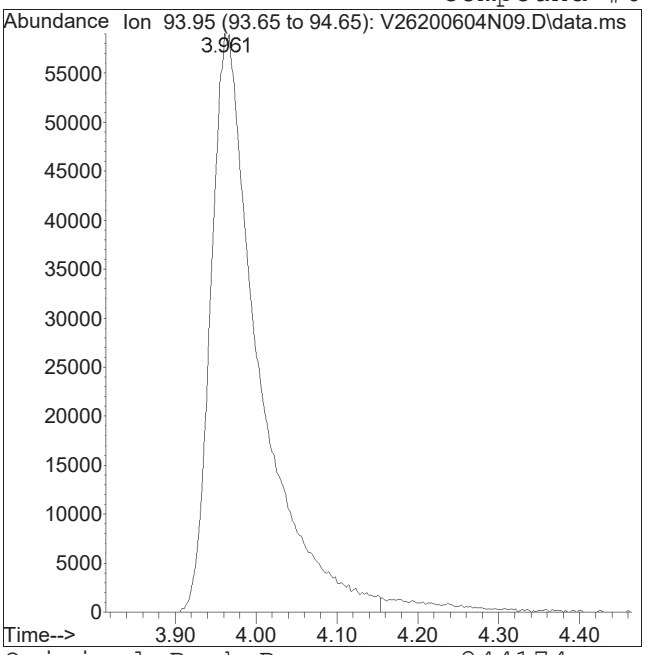


Manual Peak Response = 444198 m

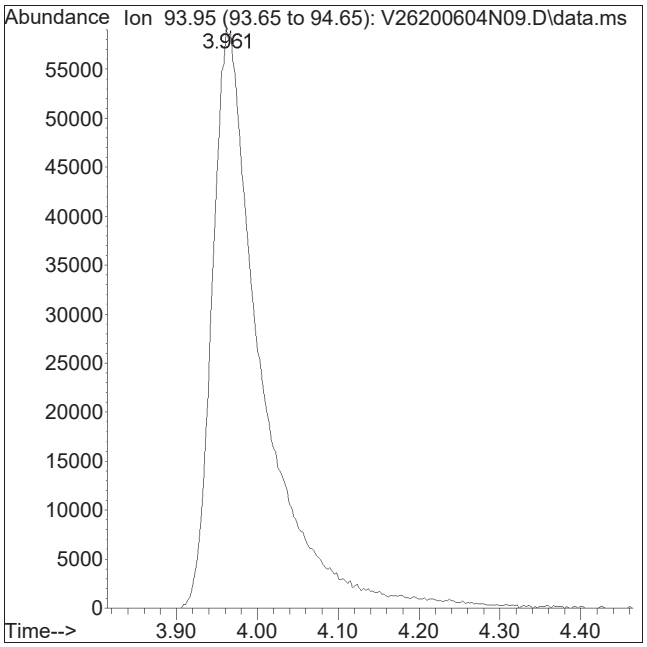
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N09.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 10:10 pm Instrument : VOA126
Sample : i8260stdl100ppb Quant Date : 6/5/2020 10:57 am

Compound #6: Bromomethane



Original Peak Response = 244174



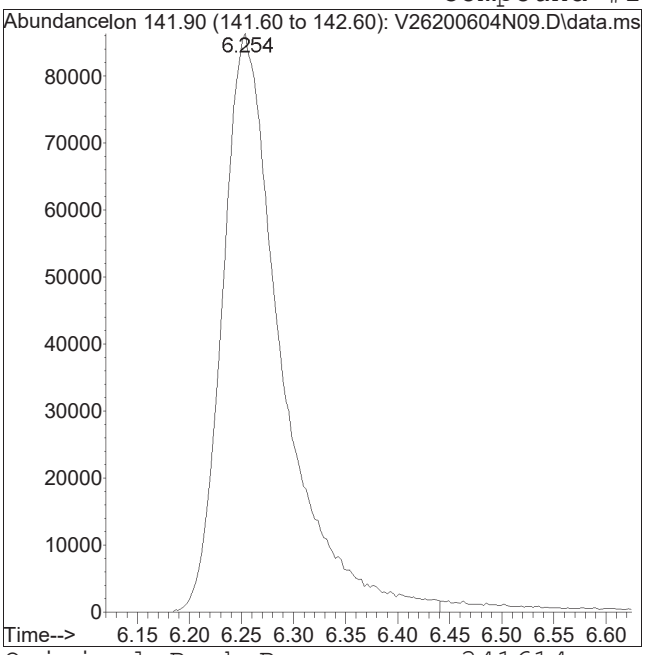
Manual Peak Response = 252172 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

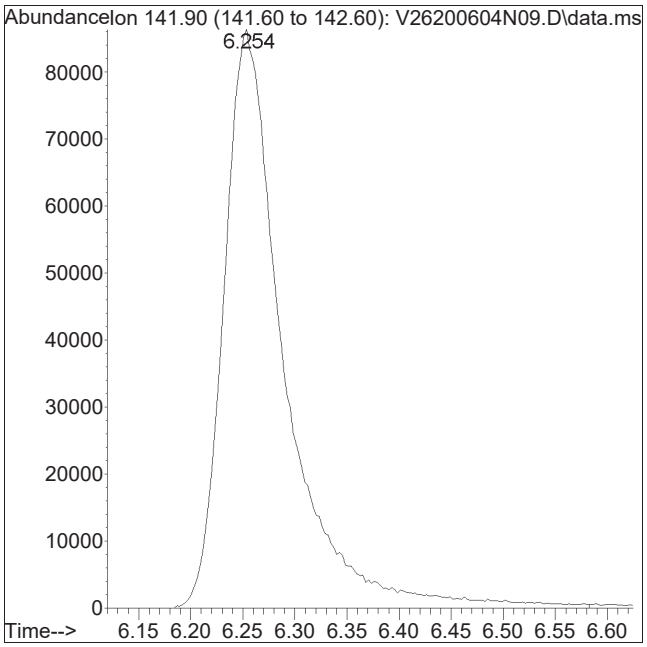
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N09.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 10:10 pm Instrument : VOA126
Sample : i8260stdl100ppb Quant Date : 6/5/2020 10:57 am

Compound #14: Iodomethane



Original Peak Response = 341614



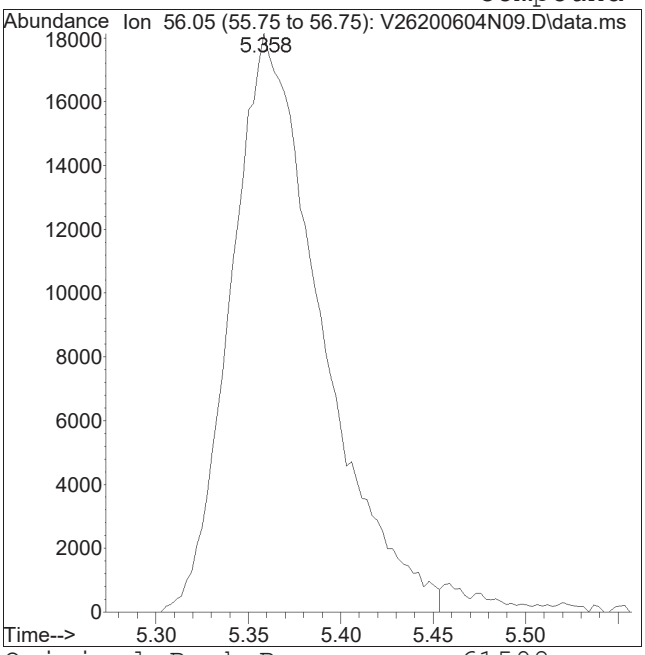
Manual Peak Response = 349740 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

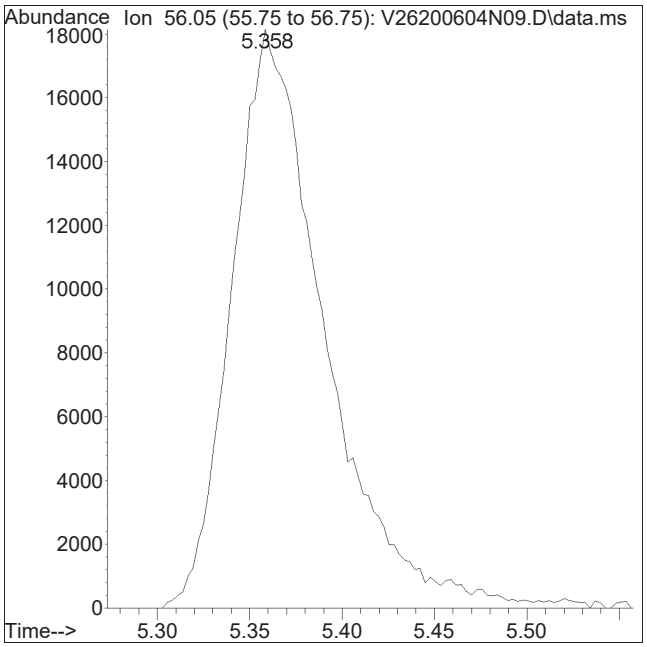
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N09.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 10:10 pm Instrument : VOA126
Sample : i8260stdl100ppb Quant Date : 6/5/2020 10:57 am

Compound #15: Acrolein



Original Peak Response = 61598



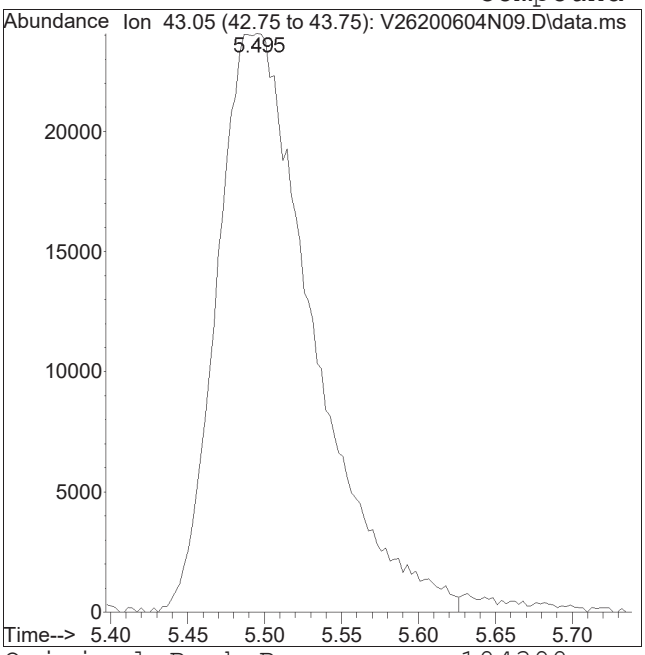
Manual Peak Response = 63335 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

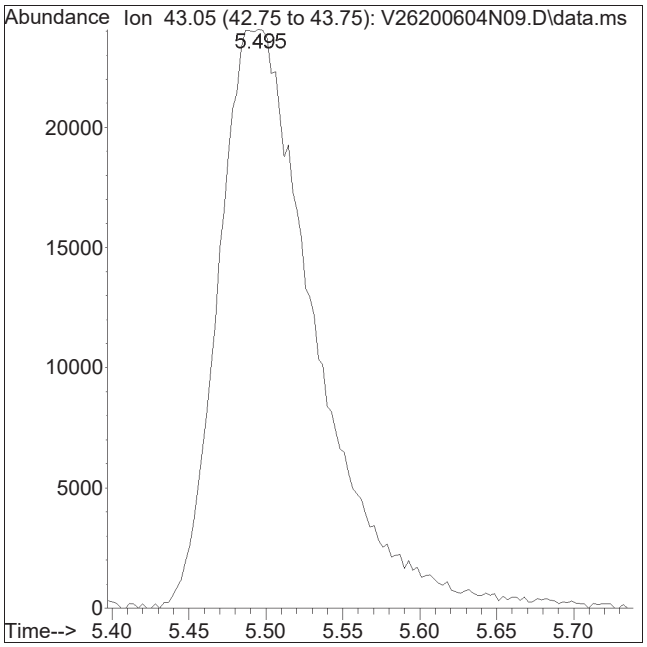
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N09.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 10:10 pm Instrument : VOA126
Sample : i8260stdl100ppb Quant Date : 6/5/2020 10:57 am

Compound #19: Acetone



Original Peak Response = 104390



Manual Peak Response = 106299 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N10.D
Acq On : 04 Jun 2020 10:50 pm
Operator : VOA126:JC
Sample : i8260stdl200ppb
Misc : WG1378377,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 11:21:11 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 10:55:37 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	11.560	96	309772	20.000	ug/L	0.00
Standard Area 1 = 320322			Recovery =	96.71%		
63) Chlorobenzene-d5	18.270	117	260674	20.000	ug/L	0.00
Standard Area 1 = 269772			Recovery =	96.63%		
88) 1,4-Dichlorobenzene-d4	23.925	152	137408	20.000	ug/L	0.00
Standard Area 1 = 141486			Recovery =	97.12%		
System Monitoring Compounds						
39) Dibromofluoromethane	9.926	113	80705	20.077	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	100.39%		
47) 1,2-Dichloroethane-d4	10.925	65	81961	20.194	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	100.97%		
65) Toluene-d8	14.904	98	326424	19.987	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.94%		
92) 4-Bromofluorobenzene	21.103	95	132833	19.751	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.76%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.690	85	521887	213.975	ug/L	97
3) Chlorodifluoromethane	2.681	51	1139563	206.665	ug/L #	94
4) Chloromethane	3.074	50	885975	205.811	ug/L	99
5) Vinyl chloride	3.233	62	697135	194.723	ug/L	98
6) Bromomethane	3.961	94	490871M1	199.659	ug/L	
7) Chloroethane	4.101	64	542713	192.138	ug/L	98
8) Trichlorofluoromethane	4.547	101	1033011M1	211.723	ug/L	
9) Ethyl ether	5.102	74	341897	207.422	ug/L	72
11) 1,1-Dichloroethene	5.673	96	619264	208.091	ug/L	80
12) Carbon disulfide	6.594	76	1839993	195.477	ug/L	100
13) Freon-113	5.342	101	622749	214.764	ug/L	99
14) Iodomethane	6.253	142	619329	207.510	ug/L	97
15) Acrolein	5.361	56	120526M1	206.189	ug/L	
16) Allyl chloride	6.387	76	405942	202.383	ug/L	82
17) Methylene chloride	6.602	84	689448	198.830	ug/L	79
19) Acetone	5.495	43	188441M1	174.098	ug/L	
20) trans-1,2-Dichloroethene	7.165	96	711265	199.755	ug/L	84
21) Methyl acetate	6.346	43	493728	209.256	ug/L	94
22) Hexane	7.274	57	1565329	212.217	ug/L	97
23) Methyl tert-butyl ether	6.895	73	1700861	208.001	ug/L	93
24) tert-Butyl alcohol	5.880	59	388878	1047.575	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N10.D
Acq On : 04 Jun 2020 10:50 pm
Operator : VOA126:JC
Sample : i8260stdl200ppb
Misc : WG1378377,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 11:21:11 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 10:55:37 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
25) Diisopropyl ether	7.779	45	3040420	203.721 ug/L	94
26) 1,1-Dichloroethane	7.994	63	1482923	199.671 ug/L	97
27) Halothane	7.087	117	558435	206.141 ug/L	100
28) Acrylonitrile	6.875	53	244614	201.017 ug/L	98
29) Ethyl tert-butyl ether	8.576	59	2701282	209.978 ug/L	93
30) Vinyl acetate	8.019	43	1504936	216.127 ug/L	96
31) cis-1,2-Dichloroethene	9.184	96	778835	205.006 ug/L	86
32) 2,2-Dichloropropane	9.081	77	1025404	208.270 ug/L	99
33) Bromochloromethane	9.826	128	335356	198.957 ug/L #	79
34) Cyclohexane	10.283	56	1590406	209.302 ug/L	78
35) Chloroform	9.494	83	1270863	202.252 ug/L	98
36) Ethyl acetate	9.182	43	603335	201.643 ug/L	98
37) Carbon tetrachloride	10.774	117	1044097	212.652 ug/L	99
38) Tetrahydrofuran	9.901	42	188334	205.225 ug/L	89
40) 1,1,1-Trichloroethane	10.272	97	1146360	204.270 ug/L	98
42) 2-Butanone	8.844	43	285148	204.147 ug/L	91
43) 1,1-Dichloropropene	10.587	75	948053	205.420 ug/L	99
44) Heptane	10.911	71	740033	212.617 ug/L #	77
45) Benzene	11.131	78	2790257	199.782 ug/L	93
46) tert-Amyl methyl ether	10.824	73	1879648	212.385 ug/L	92
48) 1,2-Dichloroethane	11.117	62	1009702	203.810 ug/L	98
51) Methyl cyclohexane	12.475	83	1189920	214.292 ug/L #	71
52) Trichloroethene	12.375	95	762932	203.648 ug/L	99
54) Dibromomethane	13.351	93	390822	204.834 ug/L	97
55) 1,2-Dichloropropane	12.748	63	890096	204.261 ug/L	96
57) 2-Chloroethyl vinyl ether	13.906	63	409449	231.600 ug/L	97
58) Bromodichloromethane	13.236	83	1007955	210.508 ug/L	100
60) Methyl methacrylate	12.891	69	416569	209.979 ug/L	87
61) 1,4-Dioxane	13.301	88	278922	10138.902 ug/L #	79
62) cis-1,3-Dichloropropene	14.399	75	1156966	213.848 ug/L	100
64) Octane	14.608	85	797602	217.187 ug/L #	83
66) Toluene	15.077	92	1822271	201.173 ug/L	99
67) 4-Methyl-2-pentanone	13.961	58	290689	211.725 ug/L #	87
68) Tetrachloroethene	16.496	166	780165	200.356 ug/L	99
69) 2-Nitropropane	13.401	41	149008	232.434 ug/L	100
71) trans-1,3-Dichloropropene	15.495	75	980012	215.520 ug/L	97
72) Methyl isothiocyanate	15.381	73	379706	233.078 ug/L #	97
74) Ethyl methacrylate	15.478	69	771752	207.997 ug/L	99
75) 1,1,2-Trichloroethane	15.833	83	471498	206.173 ug/L	99
76) Chlorodibromomethane	16.962	129	742302	212.929 ug/L	99

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N10.D
Acq On : 04 Jun 2020 10:50 pm
Operator : VOA126:JC
Sample : i8260stdl200ppb
Misc : WG1378377,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 11:21:11 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 10:55:37 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
77) 1,3-Dichloropropane	16.390	76	963577	204.923	ug/L		100
78) 1,2-Dibromoethane	17.414	107	559317	211.569	ug/L		99
79) n-Butyl Acetate	16.404	43	1218578	196.538	ug/L		93
80) 2-Hexanone	15.858	43	475376	208.161	ug/L		93
81) Nonane	18.058	57	1980904	224.003	ug/L	#	86
82) Chlorobenzene	18.356	112	2012767	200.712	ug/L		99
83) Ethylbenzene	18.487	91	3451879	197.228	ug/L		96
84) 1,1,1,2-Tetrachloroethane	18.465	131	744559	207.455	ug/L		99
85) p/m Xylene	18.669	106	2643899	392.502	ug/L		88
86) o Xylene	19.675	106	2564858	396.148	ug/L		86
87) Styrene	19.770	104	4311723	394.803	ug/L		98
89) Bromoform	20.532	173	437977	215.744	ug/L		100
91) Isopropylbenzene	20.515	105	3476380	199.619	ug/L		96
93) Bromobenzene	21.547	156	823806	199.909	ug/L		100
94) Decane	21.226	57	2323472	218.872	ug/L	#	85
95) n-Propylbenzene	21.469	91	4122192	199.526	ug/L		96
96) 1,4-Dichlorobutane	20.760	55	1205933	204.448	ug/L		97
97) 1,1,2,2-Tetrachloroethane	20.939	83	687874	205.227	ug/L		100
98) 4-Ethyltoluene	21.745	105	3452102	201.261	ug/L		96
99) 2-Chlorotoluene	21.876	91	2682431	198.513	ug/L		97
100) 1,3,5-Trimethylbenzene	21.859	105	2901335	198.704	ug/L		96
101) 1,2,3-Trichloropropane	21.287	75	500636	203.022	ug/L		99
102) trans-1,4-Dichloro-2-b...	21.477	53	244585	218.463	ug/L		82
103) 4-Chlorotoluene	21.998	91	2514191	200.551	ug/L		97
104) tert-Butylbenzene	22.696	119	2532139	201.734	ug/L		98
107) 1,2,4-Trimethylbenzene	22.788	105	2920005	202.167	ug/L		96
108) Limonene	23.359	68	1139193	218.498	ug/L		100
109) sec-Butylbenzene	23.209	105	3803989	202.493	ug/L		97
110) p-Isopropyltoluene	23.552	119	3236159	200.608	ug/L		98
111) 1,3-Dichlorobenzene	23.747	146	1643144	201.114	ug/L		100
112) 1,4-Dichlorobenzene	24.003	146	1618503	201.181	ug/L		100
113) trans-Decahydronaphtha...	24.489	138	932708	214.751	ug/L		97
114) Undecane	24.121	57	2117329	191.631	ug/L	#	85
115) p-Diethylbenzene	24.550	119	1926555	195.229	ug/L		100
116) n-Butylbenzene	24.519	91	3609292	196.902	ug/L		96
117) Hexachloroethane	25.629	117	677095	215.386	ug/L		96
118) 1,2-Dichlorobenzene	24.857	146	1490949	201.772	ug/L		100
119) cis-Decahydronaphthalene	25.928	138	733432	211.275	ug/L		97
120) 1,2,4,5-Tetramethylben...	26.234	119	2975159	195.839	ug/L		96
121) 1,2-Dibromo-3-chloropr...	26.577	155	113642	211.945	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N10.D
Acq On : 04 Jun 2020 10:50 pm
Operator : VOA126:JC
Sample : i8260stdl200ppb
Misc : WG1378377,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 11:21:11 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 10:55:37 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
122) 1,3,5-Trichlorobenzene	27.040	180	1131183	192.596	ug/L	99
123) Nitrobenzene	26.759	77	48827	239.268	ug/L	96
124) Hexachlorobutadiene	28.493	225	547524	200.097	ug/L	99
125) 1,2,4-Trichlorobenzene	28.242	180	1020141	192.614	ug/L	100
126) Naphthalene	28.697	128	2151959	195.223	ug/L	100
127) 1,2,3-Trichlorobenzene	29.126	180	907964	194.841	ug/L	100

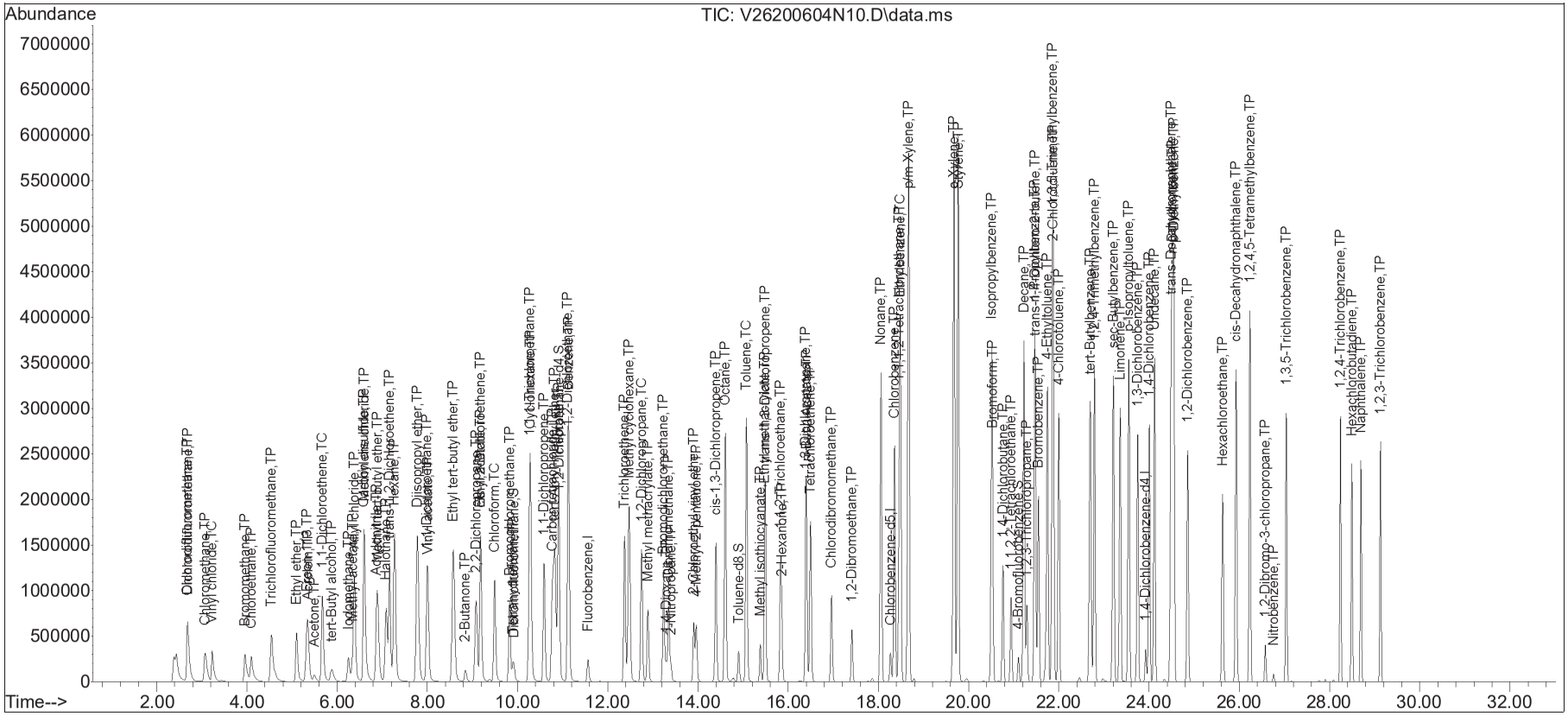
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N10.D
Acq On : 04 Jun 2020 10:50 pm
Operator : VOA126:JC
Sample : i8260stdl200ppb
Misc : WG1378377,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 11:21:11 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 10:55:37 2020
Response via : Initial Calibration

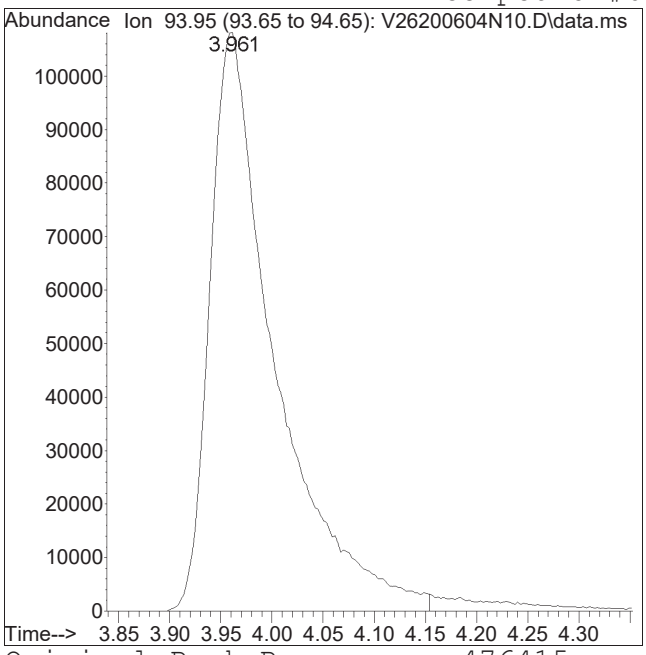
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk00604N08.D•

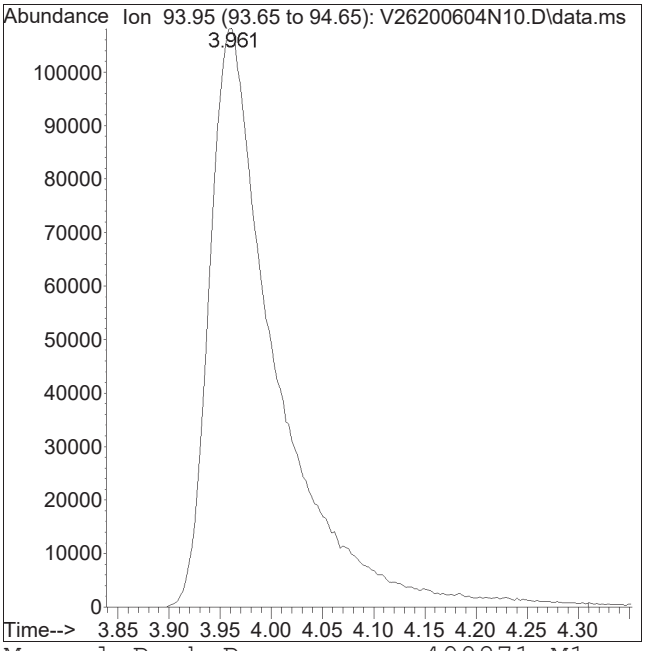


Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N10.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 10:50 pm Instrument : VOA126
Sample : i8260std1200ppb Quant Date : 6/5/2020 10:57 am

Compound #6: Bromomethane



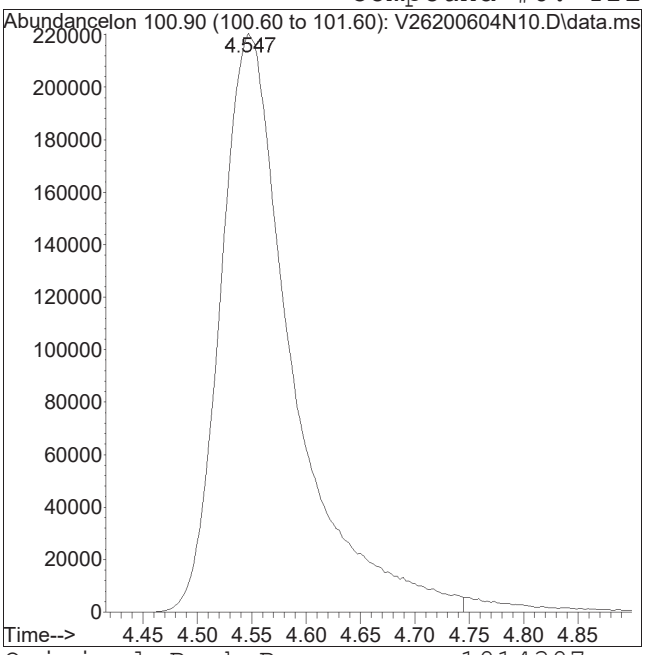


Original Peak Response = 476415 Manual Peak Response = 490871 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

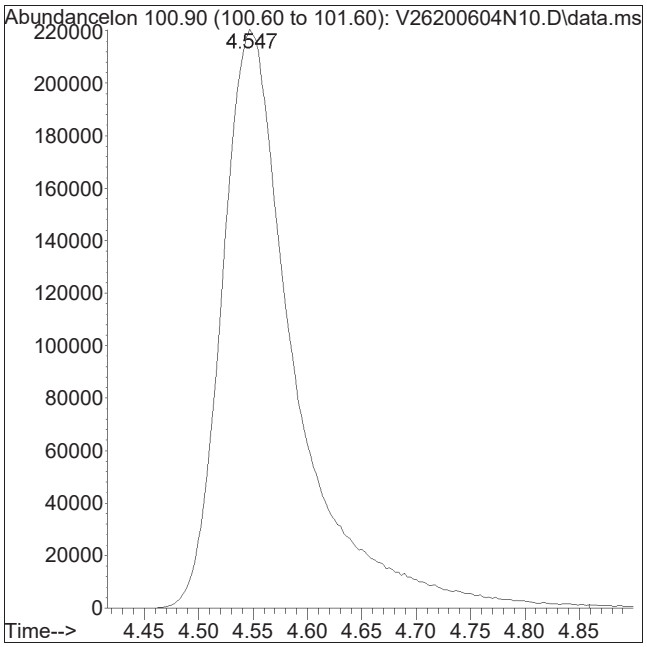
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N10.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 10:50 pm Instrument : VOA126
Sample : i8260stdl200ppb Quant Date : 6/5/2020 10:57 am

Compound #8: Trichlorofluoromethane



Original Peak Response = 1014307



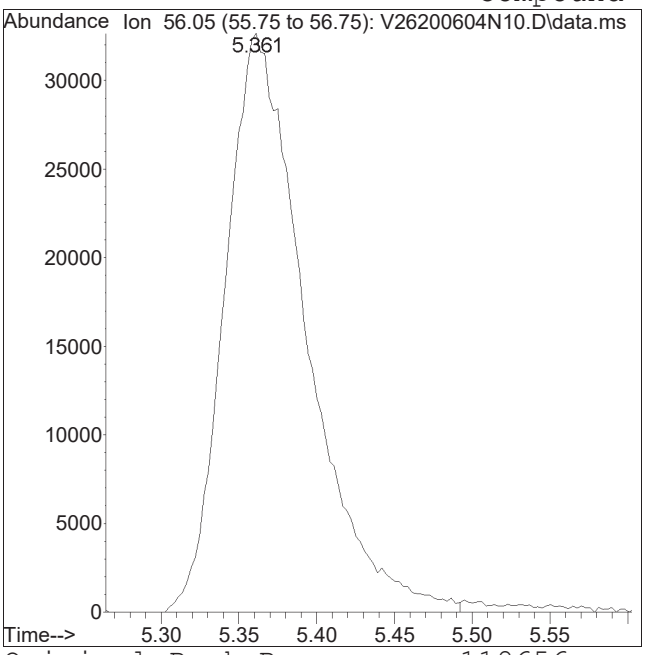
Manual Peak Response = 1033011 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

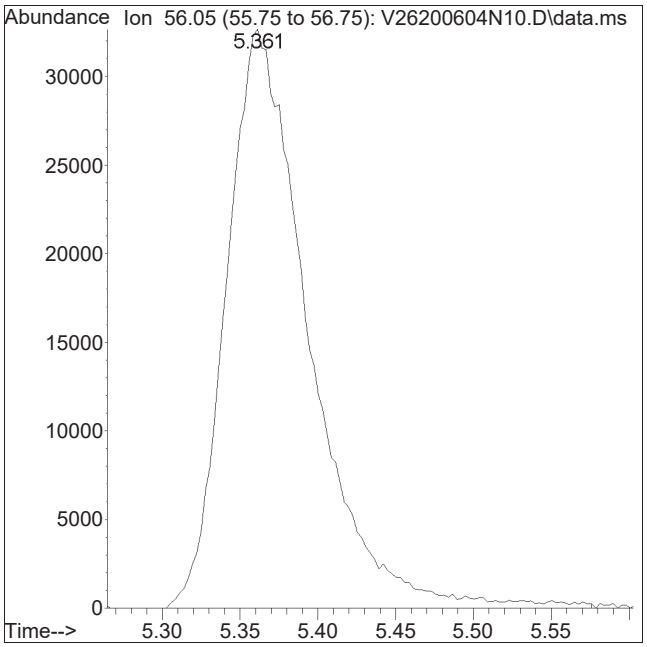
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N10.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 10:50 pm Instrument : VOA126
Sample : i8260std1200ppb Quant Date : 6/5/2020 10:57 am

Compound #15: Acrolein



Original Peak Response = 118656



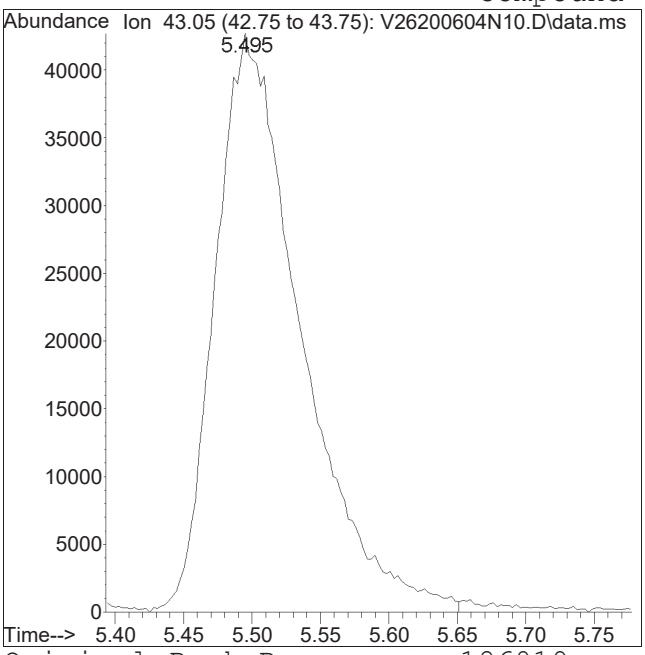
Manual Peak Response = 120526 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

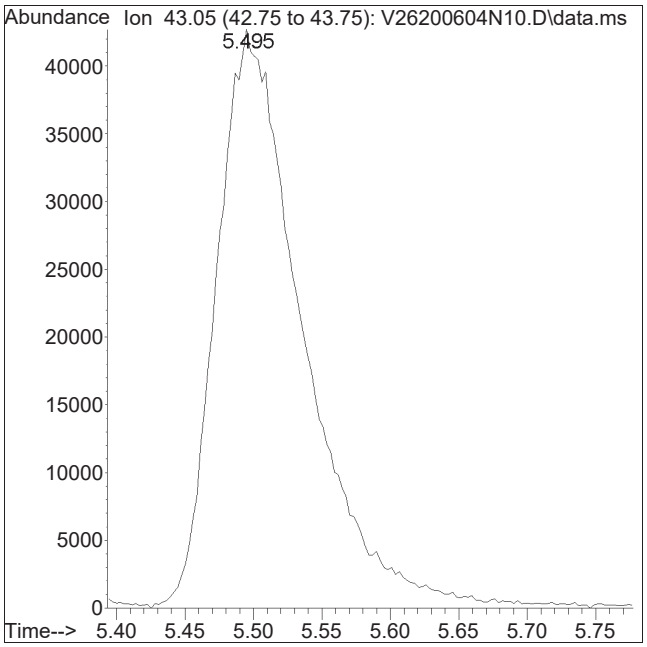
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N10.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 10:50 pm Instrument : VOA126
Sample : i8260stdl200ppb Quant Date : 6/5/2020 10:57 am

Compound #19: Acetone



Original Peak Response = 186019



Manual Peak Response = 188441 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N11.D
Acq On : 04 Jun 2020 11:30 pm
Operator : VOA126:JC
Sample : i8260stdl300ppb
Misc : WG1378377,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 11:23:29 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 10:55:37 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	11.563	96	324794	20.000	ug/L	0.00
Standard Area 1 = 320322			Recovery = 101.40%			
63) Chlorobenzene-d5	18.267	117	269768	20.000	ug/L	0.00
Standard Area 1 = 269772			Recovery = 100.00%			
88) 1,4-Dichlorobenzene-d4	23.928	152	141329	20.000	ug/L	0.00
Standard Area 1 = 141486			Recovery = 99.89%			
System Monitoring Compounds						
39) Dibromofluoromethane	9.924	113	83633	19.843	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.22%			
47) 1,2-Dichloroethane-d4	10.928	65	90298	21.219	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 106.10%			
65) Toluene-d8	14.907	98	338679	20.039	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.20%			
92) 4-Bromofluorobenzene	21.104	95	139306	20.139	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.690	85	779865M1	304.958	ug/L	
3) Chlorodifluoromethane	2.682	51	1700671M1	294.160	ug/L	
4) Chloromethane	3.077	50	1392990M1	308.624	ug/L	
5) Vinyl chloride	3.231	62	1010250	269.130	ug/L	98
6) Bromomethane	3.959	94	713073M1	276.624	ug/L	
7) Chloroethane	4.095	64	801613M1	270.671	ug/L	
8) Trichlorofluoromethane	4.542	101	1538878M1	300.817	ug/L	
9) Ethyl ether	5.108	74	519417	300.546	ug/L	72
11) 1,1-Dichloroethene	5.674	96	921654	295.380	ug/L	80
12) Carbon disulfide	6.591	76	2725459	276.155	ug/L	100
13) Freon-113	5.334	101	930655	306.105	ug/L	98
14) Iodomethane	6.248	142	820609	262.233	ug/L	97
15) Acrolein	5.370	56	190592	310.973	ug/L	100
16) Allyl chloride	6.385	76	586428	278.842	ug/L	84
17) Methylene chloride	6.602	84	1025762	282.137	ug/L	80
19) Acetone	5.506	43	279900	246.635	ug/L	92
20) trans-1,2-Dichloroethene	7.160	96	1059187	283.709	ug/L	85
21) Methyl acetate	6.349	43	767837	310.380	ug/L	95
22) Hexane	7.274	57	2325797	300.733	ug/L	97
23) Methyl tert-butyl ether	6.898	73	2599448	303.189	ug/L	93
24) tert-Butyl alcohol	5.900	59	639849M1	1643.930	ug/L	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N11.D
Acq On : 04 Jun 2020 11:30 pm
Operator : VOA126:JC
Sample : i8260stdl300ppb
Misc : WG1378377,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 11:23:29 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 10:55:37 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Diisopropyl ether	7.785	45	4495328	287.275	ug/L		94
26) 1,1-Dichloroethane	7.994	63	2207271	283.456	ug/L		97
27) Halothane	7.090	117	834538	293.814	ug/L		100
28) Acrylonitrile	6.884	53	380835	298.485	ug/L		99
29) Ethyl tert-butyl ether	8.585	59	4074823	302.097	ug/L		93
30) Vinyl acetate	8.019	43	2313673	316.904	ug/L		96
31) cis-1,2-Dichloroethene	9.182	96	1145949	287.687	ug/L		86
32) 2,2-Dichloropropane	9.084	77	1545451	299.378	ug/L		99
33) Bromochloromethane	9.823	128	498644	282.149	ug/L	#	80
34) Cyclohexane	10.283	56	2353558	295.409	ug/L		78
35) Chloroform	9.494	83	1892945	287.320	ug/L		99
36) Ethyl acetate	9.182	43	939324	299.415	ug/L		98
37) Carbon tetrachloride	10.771	117	1569947	304.964	ug/L		100
38) Tetrahydrofuran	9.899	42	297370	309.053	ug/L		88
40) 1,1,1-Trichloroethane	10.275	97	1717767	291.933	ug/L		98
42) 2-Butanone	8.853	43	451237	308.114	ug/L		92
43) 1,1-Dichloropropene	10.590	75	1420749	293.604	ug/L		99
44) Heptane	10.914	71	1112943	304.968	ug/L	#	77
45) Benzene	11.137	78	4109154	280.608	ug/L		93
46) tert-Amyl methyl ether	10.833	73	2865417	308.794	ug/L		93
48) 1,2-Dichloroethane	11.120	62	1507253	290.171	ug/L		98
51) Methyl cyclohexane	12.475	83	1791075	307.636	ug/L	#	71
52) Trichloroethene	12.372	95	1146052	291.764	ug/L		99
54) Dibromomethane	13.357	93	595098	297.472	ug/L		97
55) 1,2-Dichloropropane	12.751	63	1324670	289.928	ug/L		96
57) 2-Chloroethyl vinyl ether	13.909	63	638539	344.477	ug/L		97
58) Bromodichloromethane	13.239	83	1514795	301.728	ug/L		100
60) Methyl methacrylate	12.894	69	646188	310.658	ug/L		87
61) 1,4-Dioxane	13.306	88	438238	15193.308	ug/L	#	81
62) cis-1,3-Dichloropropene	14.400	75	1739134	306.586	ug/L		100
64) Octane	14.611	85	1216851	320.178	ug/L	#	83
66) Toluene	15.080	92	2696117	287.608	ug/L		99
67) 4-Methyl-2-pentanone	13.967	58	455322	320.457	ug/L	#	86
68) Tetrachloroethene	16.499	166	1162054	288.369	ug/L		100
69) 2-Nitropropane	13.404	41	236902	357.081	ug/L		98
71) trans-1,3-Dichloropropene	15.498	75	1488303	316.268	ug/L		96
72) Methyl isothiocyanate	15.384	73	609716	361.651	ug/L	#	97
74) Ethyl methacrylate	15.484	69	1175436	306.116	ug/L		99
75) 1,1,2-Trichloroethane	15.836	83	714988	302.105	ug/L		99
76) Chlorodibromomethane	16.962	129	1129454	313.061	ug/L		99

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N11.D
Acq On : 04 Jun 2020 11:30 pm
Operator : VOA126:JC
Sample : i8260stdl300ppb
Misc : WG1378377,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 11:23:29 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 10:55:37 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
77) 1,3-Dichloropropane	16.396	76	1460297	300.091	ug/L		100
78) 1,2-Dibromoethane	17.414	107	846667	309.467	ug/L		100
79) n-Butyl Acetate	16.407	43	1846133	287.715	ug/L		92
80) 2-Hexanone	15.861	43	742790	314.293	ug/L		93
81) Nonane	18.067	57	2994866	327.246	ug/L	#	86
82) Chlorobenzene	18.362	112	2965988	285.796	ug/L		99
83) Ethylbenzene	18.491	91	5055921	279.139	ug/L		96
84) 1,1,1,2-Tetrachloroethane	18.463	131	1106687	297.959	ug/L		99
85) p/m Xylene	18.677	106	3856094	553.162	ug/L		88
86) o Xylene	19.681	106	3741881	558.459	ug/L		87
87) Styrene	19.776	104	6262492	554.095	ug/L		99
89) Bromoform	20.535	173	667384	319.628	ug/L		100
91) Isopropylbenzene	20.518	105	5118529	285.759	ug/L		96
93) Bromobenzene	21.552	156	1217088	287.151	ug/L		100
94) Decane	21.235	57	3385897	310.104	ug/L	#	86
95) n-Propylbenzene	21.472	91	6030052	283.774	ug/L		96
96) 1,4-Dichlorobutane	20.766	55	1811660	298.619	ug/L		97
97) 1,1,2,2-Tetrachloroethane	20.945	83	1056315	306.407	ug/L		100
98) 4-Ethyltoluene	21.753	105	5049160	286.204	ug/L		97
99) 2-Chlorotoluene	21.882	91	3924940	282.407	ug/L		97
100) 1,3,5-Trimethylbenzene	21.868	105	4229333	281.619	ug/L		96
101) 1,2,3-Trichloropropane	21.293	75	769112	303.244	ug/L		99
102) trans-1,4-Dichloro-2-b...	21.486	53	372020	323.068	ug/L		84
103) 4-Chlorotoluene	22.004	91	3696470	286.677	ug/L		96
104) tert-Butylbenzene	22.699	119	3698841	286.509	ug/L		98
107) 1,2,4-Trimethylbenzene	22.796	105	4237994	285.278	ug/L		96
108) Limonene	23.365	68	1675089	312.370	ug/L		100
109) sec-Butylbenzene	23.212	105	5521099	285.744	ug/L		97
110) p-Isopropyltoluene	23.558	119	4670787	281.506	ug/L		98
111) 1,3-Dichlorobenzene	23.753	146	2374318	282.545	ug/L		100
112) 1,4-Dichlorobenzene	24.007	146	2335085	282.200	ug/L		100
113) trans-Decahydronaphtha...	24.497	138	1377007	308.253	ug/L		97
114) Undecane	24.126	57	2899703	255.160	ug/L	#	85
115) p-Diethylbenzene	24.556	119	2772234	273.133	ug/L		99
116) n-Butylbenzene	24.528	91	5203849	276.016	ug/L		96
117) Hexachloroethane	25.632	117	994301	307.516	ug/L		96
118) 1,2-Dichlorobenzene	24.863	146	2161940	284.461	ug/L		100
119) cis-Decahydronaphthalene	25.936	138	1088845	304.955	ug/L		97
120) 1,2,4,5-Tetramethylben...	26.237	119	4377666	280.164	ug/L		96
121) 1,2-Dibromo-3-chloropr...	26.578	155	176052	319.231	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N11.D
Acq On : 04 Jun 2020 11:30 pm
Operator : VOA126:JC
Sample : i8260stdl300ppb
Misc : WG1378377,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 11:23:29 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 10:55:37 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
122) 1,3,5-Trichlorobenzene	27.046	180	1649893	273.119	ug/L	99
123) Nitrobenzene	26.759	77	82183	391.549	ug/L	97
124) Hexachlorobutadiene	28.496	225	820527	291.549	ug/L	99
125) 1,2,4-Trichlorobenzene	28.245	180	1496452	274.708	ug/L	100
126) Naphthalene	28.697	128	3241814	285.933	ug/L	100
127) 1,2,3-Trichlorobenzene	29.132	180	1339279	279.424	ug/L	100

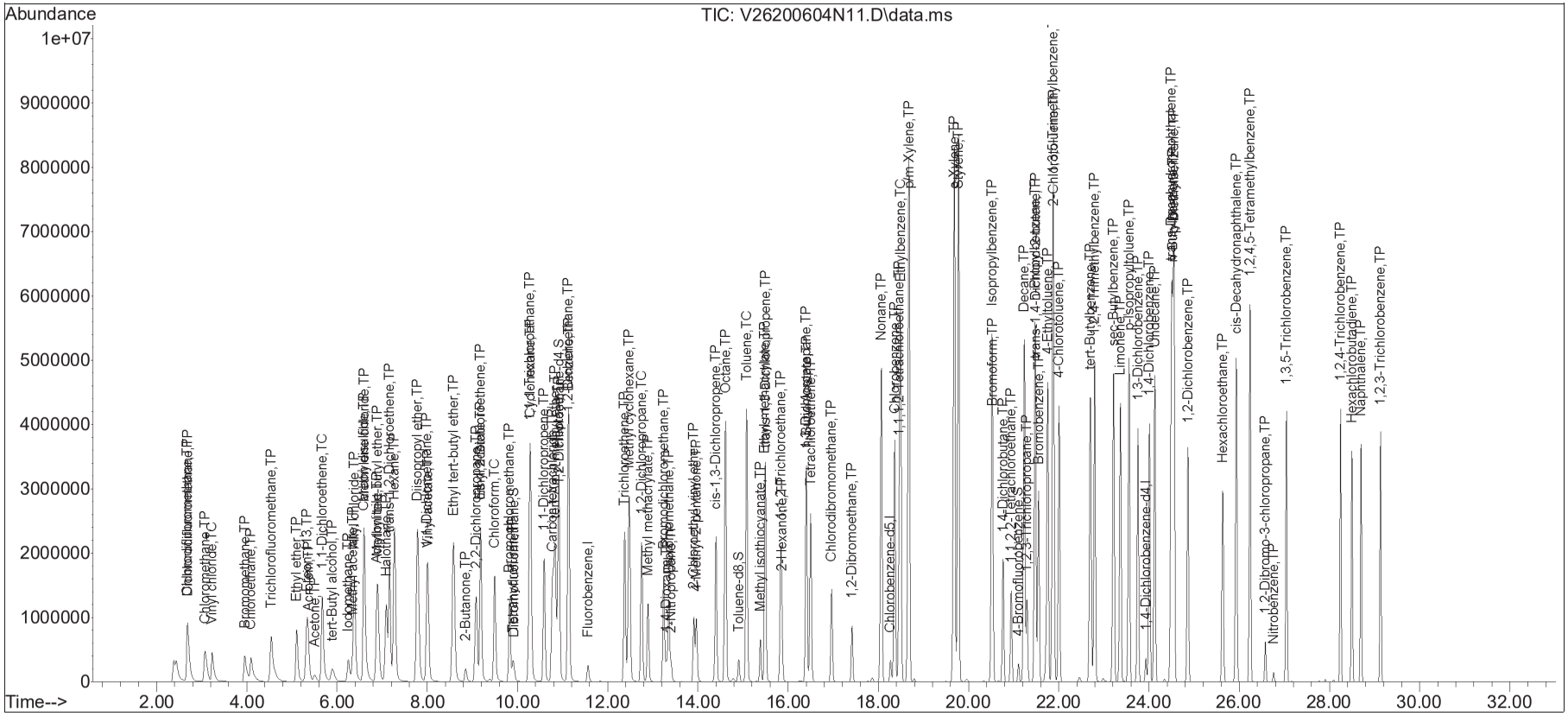
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N11.D
Acq On : 04 Jun 2020 11:30 pm
Operator : VOA126:JC
Sample : i8260stdl300ppb
Misc : WG1378377,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 11:23:29 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 10:55:37 2020
Response via : Initial Calibration

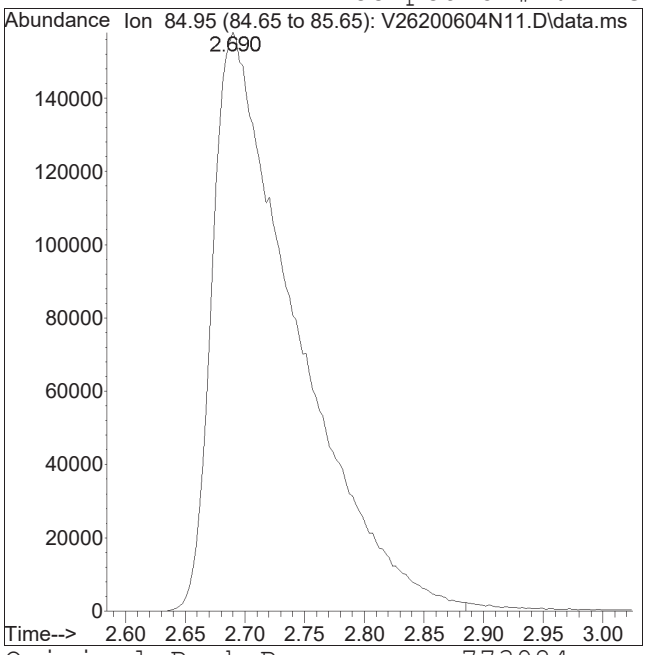
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk00604N08.D•



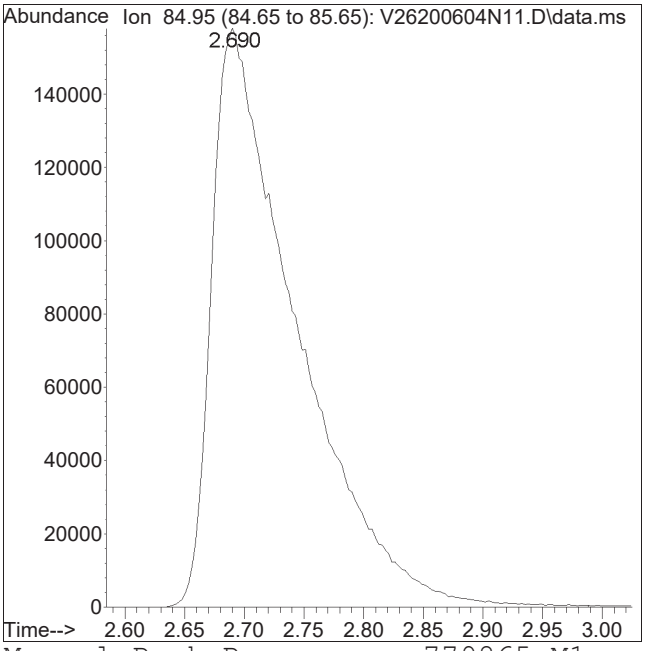
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N11.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 11:30 pm Instrument : VOA126
Sample : i8260std1300ppb Quant Date : 6/5/2020 10:57 am

Compound #2: Dichlorodifluoromethane



Original Peak Response = 773984



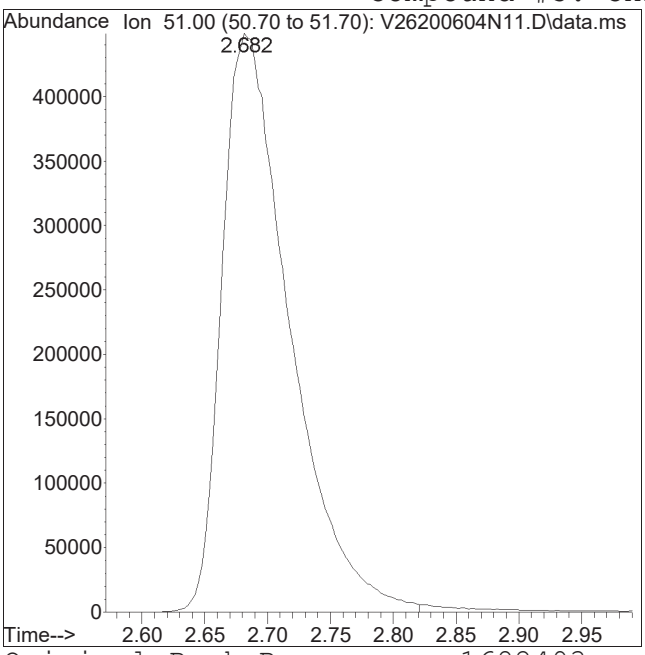
Manual Peak Response = 779865 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

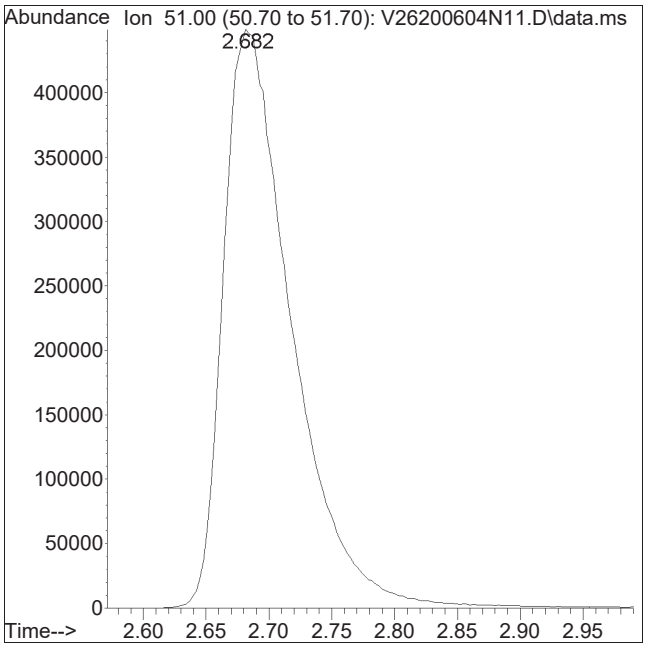
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N11.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 11:30 pm Instrument : VOA126
Sample : i8260stdl300ppb Quant Date : 6/5/2020 10:57 am

Compound #3: Chlorodifluoromethane



Original Peak Response = 1682493



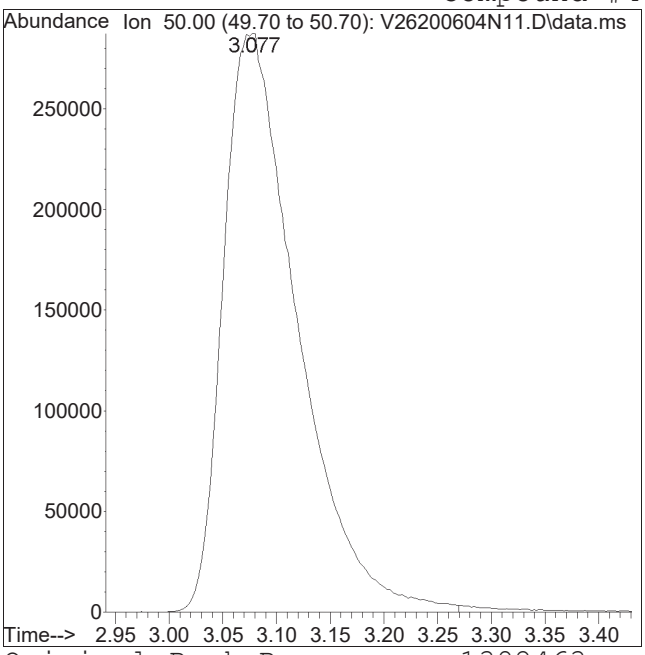
Manual Peak Response = 1700671 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

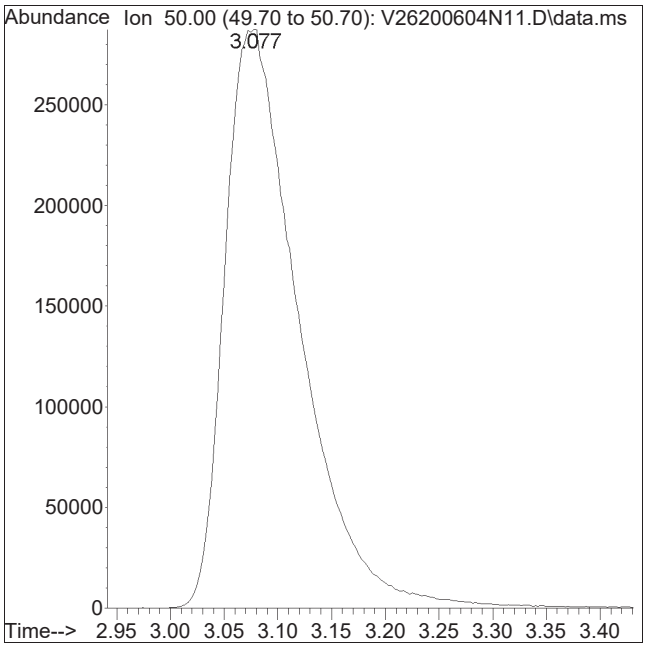
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N11.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 11:30 pm Instrument : VOA126
Sample : i8260stdl300ppb Quant Date : 6/5/2020 10:57 am

Compound #4: Chloromethane



Original Peak Response = 1382463



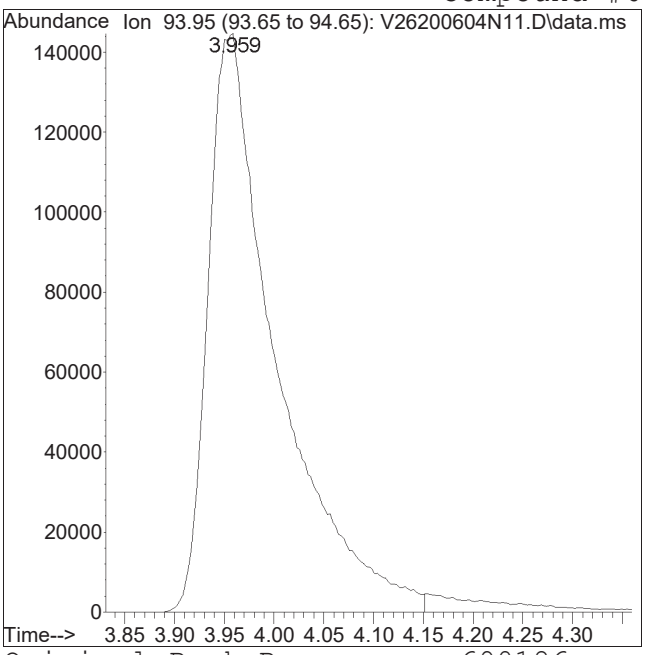
Manual Peak Response = 1392990 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

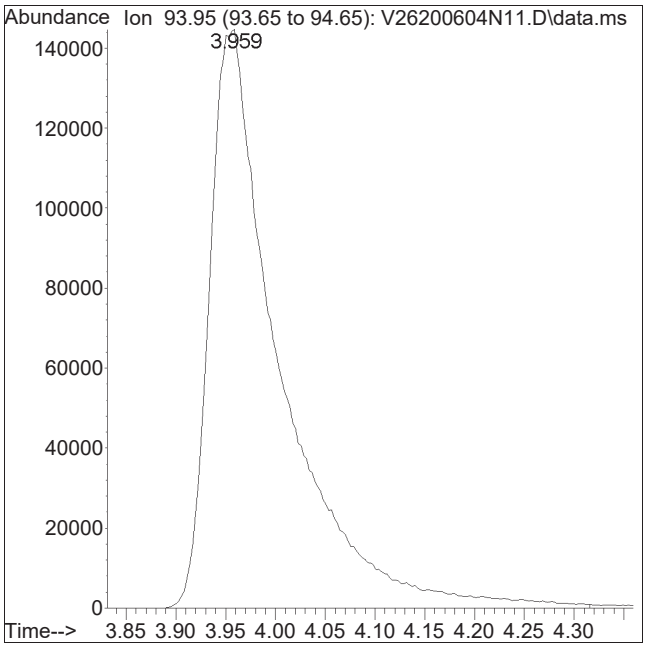
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N11.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 11:30 pm Instrument : VOA126
Sample : i8260stdl300ppb Quant Date : 6/5/2020 10:57 am

Compound #6: Bromomethane



Original Peak Response = 690186



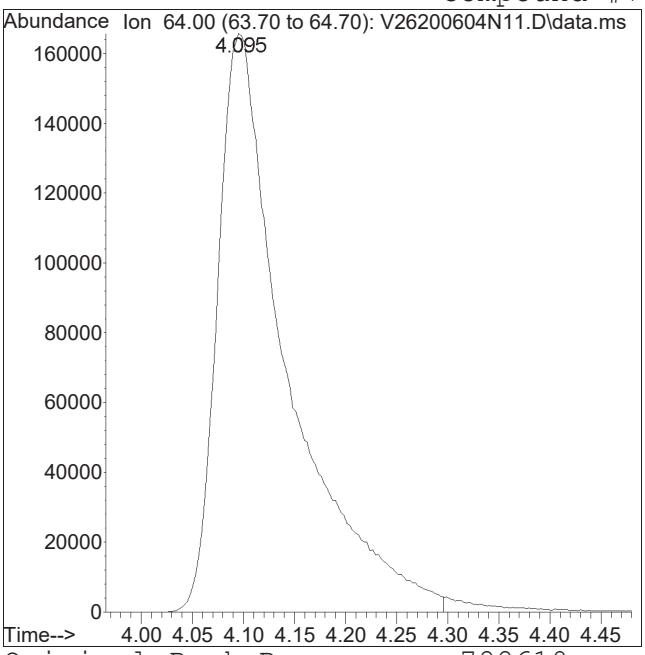
Manual Peak Response = 713073 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

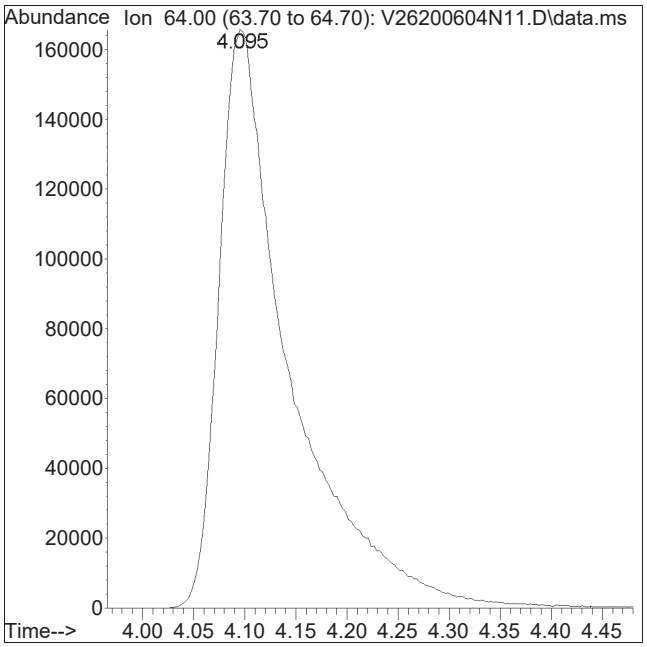
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N11.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 11:30 pm Instrument : VOA126
Sample : i8260stdl300ppb Quant Date : 6/5/2020 10:57 am

Compound #7: Chloroethane



Original Peak Response = 788610



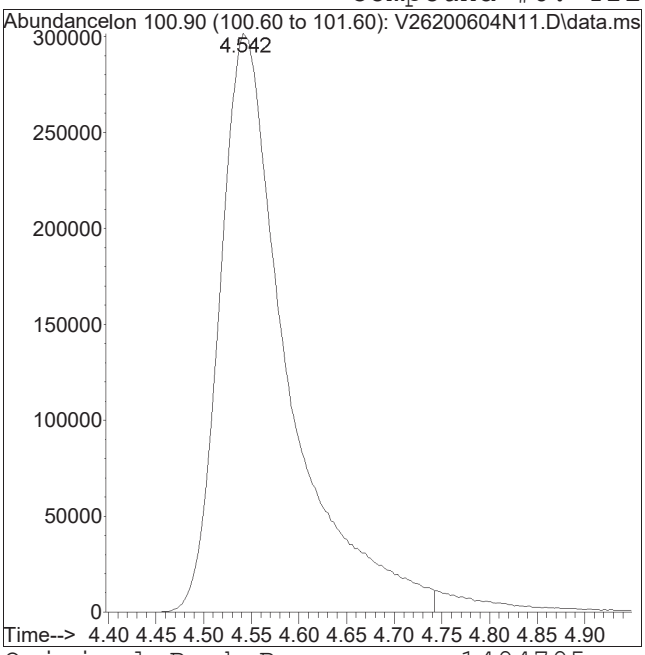
Manual Peak Response = 801613 M1

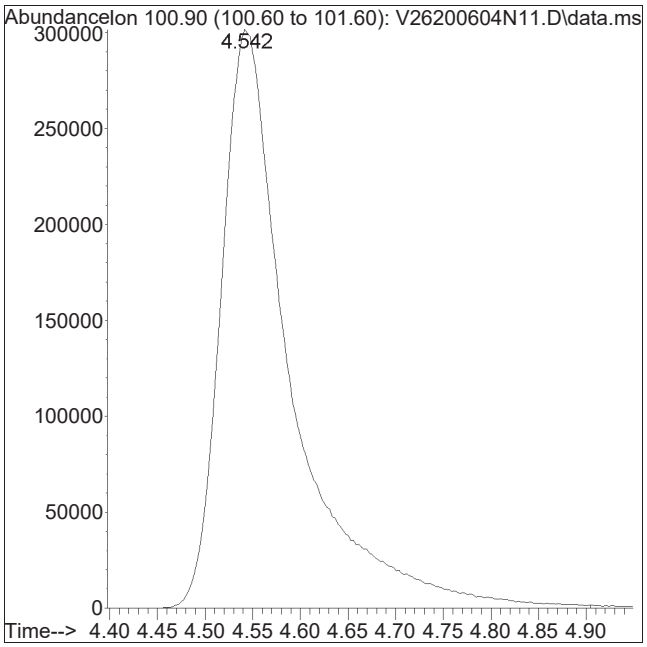
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N11.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 11:30 pm Instrument : VOA126
Sample : i8260stdl300ppb Quant Date : 6/5/2020 10:57 am

Compound #8: Trichlorofluoromethane



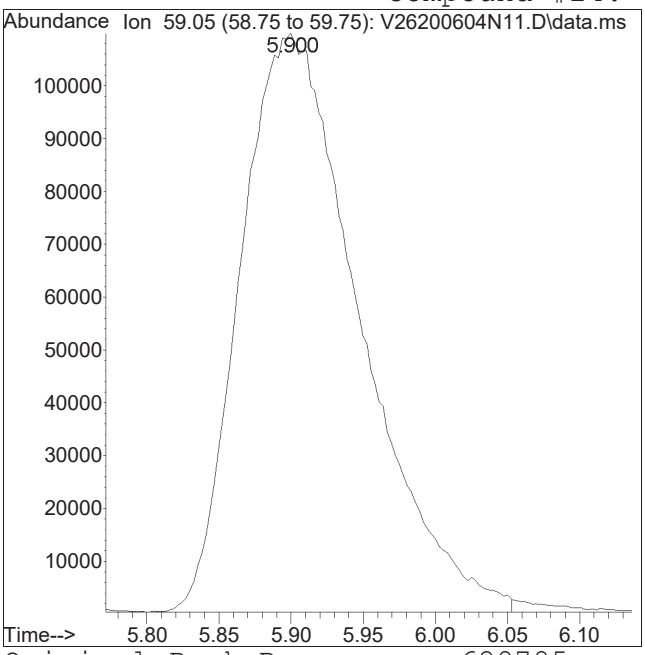


Original Peak Response = 1494795 Manual Peak Response = 1538878 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

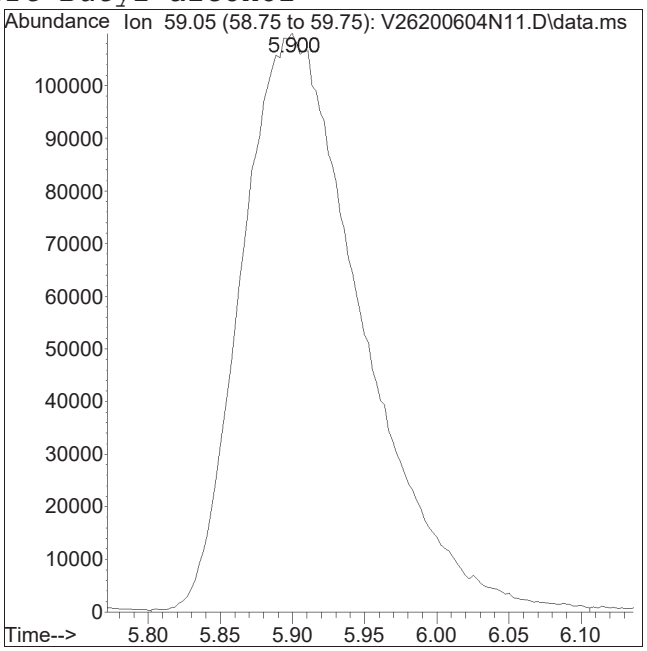
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N11.D Operator : VOA126:JC
Date Inj'd : 6/4/2020 11:30 pm Instrument : VOA126
Sample : i8260stdl300ppb Quant Date : 6/5/2020 10:57 am

Compound #24: tert-Butyl alcohol



Original Peak Response = 628785



Manual Peak Response = 639849 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N16.D
Acq On : 05 Jun 2020 02:50 am
Operator : VOA126:JC
Sample : c8260stdl40ppb
Misc : WG1378377,ICAL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 12:40:53 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	99	0.00
2	TP	Dichlorodifluoromethane	0.149	0.247	-65.8#	155	0.00
3	TP	Chlorodifluoromethane	0.370	0.304	17.8	84	0.00
4	TP	Chloromethane	0.289	0.353	-22.1#	125	0.00
5	TC	Vinyl chloride	0.216	0.272	-25.9#	116	0.00
6	TP	Bromomethane	0.159	0.189	-18.9	118	0.00
7	TP	Chloroethane	0.168	0.192	-14.3	104	0.00
8	TP	Trichlorofluoromethane	0.299	0.370	-23.7#	116	0.00
9	TP	Ethyl ether	0.100	0.102	-2.0	95	0.00
11	TC	1,1-Dichloroethene	0.183	0.209	-14.2	107	0.00
12	TP	Carbon disulfide	0.605	0.687	-13.6	111	0.00
13	TP	Freon-113	0.177	0.224	-26.6#	118	0.01
14	TP	Iodomethane	* 40.000	43.222	-8.1	108	0.00
15	TP	Acrolein	0.036	0.037#	-2.8	96	0.00
16	TP	Allyl chloride	0.125	0.106	15.2	80	0.00
17	TP	Methylene chloride	0.228	0.235	-3.1	104	0.00
19	TP	Acetone	* 40.000	47.010	-17.5	104	-0.02
20	TP	trans-1,2-Dichloroethene	0.218	0.237	-8.7	102	0.00
21	TP	Methyl acetate	0.149	0.160	-7.4	104	0.00
22	TP	Hexane	0.485	0.414	14.6	86	0.00
23	TP	Methyl tert-butyl ether	0.504	0.507	-0.6	95	0.00
24	TP	tert-Butyl alcohol	0.023	0.026#	-13.0	107	-0.02
25	TP	Diisopropyl ether	0.927	0.897	3.2	92	0.00
26	TP	1,1-Dichloroethane	0.463	0.511	-10.4	105	0.00
27	TP	Halothane	0.165	0.177	-7.3	100	0.00
28	TP	Acrylonitrile	0.073	0.079	-8.2	99	-0.01
29	TP	Ethyl tert-butyl ether	0.798	0.795	0.4	94	0.00
30	TP	Vinyl acetate	0.426	0.501	-17.6	110	0.00
31	TP	cis-1,2-Dichloroethene	0.243	0.256	-5.3	103	0.00
32	TP	2,2-Dichloropropane	0.303	0.317	-4.6	98	0.00
33	TP	Bromochloromethane	0.104	0.113	-8.7	102	0.00
34	TP	Cyclohexane	0.461	0.546	-18.4	110	0.00
35	TC	Chloroform	0.411	0.429	-4.4	104	0.00
36	TP	Ethyl acetate	0.183	0.171	6.6	87	0.00
37	TP	Carbon tetrachloride	0.296	0.334	-12.8	104	0.00
38	TP	Tetrahydrofuran	0.057	0.061	-7.0	101	0.00
39	S	Dibromofluoromethane	0.260	0.262	-0.8	99	0.00
40	TP	1,1,1-Trichloroethane	0.339	0.372	-9.7	101	0.00
42	TP	2-Butanone	0.087	0.102	-17.2	112	0.00

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N16.D
Acq On : 05 Jun 2020 02:50 am
Operator : VOA126:JC
Sample : c8260stdl40ppb
Misc : WG1378377,ICAL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 12:40:53 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43	TP	1,1-Dichloropropene	0.279	0.315	-12.9	104	0.00
44	TP	Heptane	0.227	0.195	14.1	86	-0.01
45	TP	Benzene	0.883	0.906	-2.6	99	0.00
46	TP	tert-Amyl methyl ether	0.547	0.553	-1.1	95	0.00
47	S	1,2-Dichloroethane-d4	0.264	0.261	1.1	98	0.00
48	TP	1,2-Dichloroethane	0.315	0.333	-5.7	103	0.00
51	TP	Methyl cyclohexane	0.338	0.385	-13.9	106	0.00
52	TP	Trichloroethene	0.230	0.253	-10.0	103	0.00
54	TP	Dibromomethane	0.119	0.128	-7.6	103	0.00
55	TC	1,2-Dichloropropane	0.271	0.292	-7.7	103	0.00
57	TP	2-Chloroethyl vinyl ether	0.119	0.123	-3.4	106	0.00
58	TP	Bromodichloromethane	0.295	0.337	-14.2	108	0.00
60	TP	Methyl methacrylate	0.125	0.110	12.0	85	0.00
61	TP	1,4-Dioxane	0.00167	0.00191#	-14.4	106	0.00
62	TP	cis-1,3-Dichloropropene	0.332	0.345	-3.9	97	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
64	TP	Octane	0.273	0.245	10.3	87	0.00
65	S	Toluene-d8	1.249	1.248	0.1	100	0.00
66	TC	Toluene	0.680	0.701	-3.1	101	0.00
67	TP	4-Methyl-2-pentanone	0.099	0.122	-23.2#	116	-0.01
68	TP	Tetrachloroethene	0.290	0.304	-4.8	102	0.00
69	TP	2-Nitropropane	0.049	0.037	24.5#	76	0.00
71	TP	trans-1,3-Dichloropropene	0.334	0.356	-6.6	102	0.00
72	TP	Methyl isothiocyanate	* 40.000	29.042	27.4#	78	0.00
74	TP	Ethyl methacrylate	0.259	0.313	-20.8#	110	0.00
75	TP	1,1,2-Trichloroethane	0.170	0.188	-10.6	107	0.00
76	TP	Chlorodibromomethane	0.246	0.277	-12.6	104	0.00
77	TP	1,3-Dichloropropane	0.349	0.386	-10.6	107	0.00
78	TP	1,2-Dibromoethane	0.194	0.216	-11.3	107	0.00
79	TP	n-Butyl Acetate	0.449	0.387	13.8	82	0.00
80	TP	2-Hexanone	0.166	0.208	-25.3#	119	0.00
81	TP	Nonane	0.662	0.574	13.3	85	-0.02
82	TP	Chlorobenzene	0.761	0.799	-5.0	104	-0.01
83	TC	Ethylbenzene	1.279	1.373	-7.3	102	-0.01
84	TP	1,1,1,2-Tetrachloroethane	0.255	0.299	-17.3	109	0.00
85	TP	p/m Xylene	0.491	0.530	-7.9	103	-0.02
86	TP	o Xylene	0.467	0.494	-5.8	100	-0.02
87	TP	Styrene	0.776	0.854	-10.1	102	-0.02

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N16.D
Acq On : 05 Jun 2020 02:50 am
Operator : VOA126:JC
Sample : c8260stdl40ppb
Misc : WG1378377,ICAL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 12:40:53 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
88	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	-0.01
89	TP	Bromoform	0.278	0.326	-17.3	111	0.00
91	TP	Isopropylbenzene	2.404	2.594	-7.9	103	-0.01
92	S	4-Bromofluorobenzene	0.974	0.974	0.0	100	0.00
93	TP	Bromobenzene	0.583	0.630	-8.1	106	0.00
94	TP	Decane	1.510	1.259	16.6	82	-0.03
95	TP	n-Propylbenzene	2.862	3.036	-6.1	102	-0.01
96	TP	1,4-Dichlorobutane	0.833	0.959	-15.1	112	-0.01
97	TP	1,1,2,2-Tetrachloroethane	0.464	0.533	-14.9	110	0.00
98	TP	4-Ethyltoluene	2.381	2.368	0.5	95	-0.02
99	TP	2-Chlorotoluene	1.894	1.997	-5.4	102	-0.01
100	TP	1,3,5-Trimethylbenzene	2.019	2.121	-5.1	100	-0.02
101	TP	1,2,3-Trichloropropane	0.348	0.395	-13.5	111	0.00
102	TP	trans-1,4-Dichloro-2-butene	0.156	0.158	-1.3	98	-0.01
103	TP	4-Chlorotoluene	1.781	1.883	-5.7	104	-0.02
104	TP	tert-Butylbenzene	1.709	1.872	-9.5	103	-0.01
107	TP	1,2,4-Trimethylbenzene	2.023	2.207	-9.1	106	-0.02
108	TP	Limonene	0.749	0.721	3.7	96	-0.02
109	TP	sec-Butylbenzene	2.564	2.794	-9.0	103	-0.01
110	TP	p-Isopropyltoluene	2.208	2.381	-7.8	102	-0.02
111	TP	1,3-Dichlorobenzene	1.160	1.209	-4.2	102	-0.01
112	TP	1,4-Dichlorobenzene	1.147	1.208	-5.3	104	-0.01
113	TP	trans-Decahydronaphthalene	0.625	0.573	8.3	91	-0.02
114	TP	Undecane	1.498	1.289	14.0	81	-0.02
115	TP	p-Diethylbenzene	1.351	1.278	5.4	89	-0.02
116	TP	n-Butylbenzene	2.512	2.599	-3.5	98	-0.02
117	TP	Hexachloroethane	0.438	0.359	18.0	79	0.00
118	TP	1,2-Dichlorobenzene	1.042	1.126	-8.1	105	-0.01
119	TP	cis-Decahydronaphthalene	0.487	0.446	8.4	89	-0.01
120	TP	1,2,4,5-Tetramethylbenzene	2.013	2.011	0.1	91	-0.01
121	TP	1,2-Dibromo-3-chloropropane	0.073	0.084	-15.1	109	0.00
122	TP	1,3,5-Trichlorobenzene	0.802	0.796	0.7	94	-0.01
123	TP	Nitrobenzene	* 40.000	28.867	27.8#	81	0.00
124	TP	Hexachlorobutadiene	0.373	0.392	-5.1	99	0.00
125	TP	1,2,4-Trichlorobenzene	0.725	0.759	-4.7	99	0.00
126	TP	Naphthalene	1.493	1.667	-11.7	104	0.00
127	TP	1,2,3-Trichlorobenzene	0.644	0.688	-6.8	102	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N16.D
Acq On : 05 Jun 2020 02:50 am
Operator : VOA126:JC
Sample : c8260stdl40ppb
Misc : WG1378377,ICAL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 12:40:53 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 3 CCC's out = 1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N16.D
Acq On : 05 Jun 2020 02:50 am
Operator : VOA126:JC
Sample : c8260stdl40ppb
Misc : WG1378377,ICAL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 12:40:53 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	11.558	96	315952	20.000	ug/L	0.00
Standard Area 1 = 320322			Recovery = 98.64%			
63) Chlorobenzene-d5	18.265	117	270107	20.000	ug/L	0.00
Standard Area 1 = 269772			Recovery = 100.12%			
88) 1,4-Dichlorobenzene-d4	23.917	152	142225	20.000	ug/L	-0.01
Standard Area 1 = 141486			Recovery = 100.52%			
System Monitoring Compounds						
39) Dibromofluoromethane	9.924	113	82651	20.132	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.66%			
47) 1,2-Dichloroethane-d4	10.925	65	82414	19.768	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.84%			
65) Toluene-d8	14.899	98	337153	19.986	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.93%			
92) 4-Bromofluorobenzene	21.101	95	138576	20.015	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.08%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.690	85	156206M1	66.401	ug/L	
3) Chlorodifluoromethane	2.684	51	192046M1	32.898	ug/L	
4) Chloromethane	3.077	50	222881	48.878	ug/L	100
5) Vinyl chloride	3.234	62	171892	50.323	ug/L	98
6) Bromomethane	3.961	94	119526M1	47.559	ug/L	
7) Chloroethane	4.104	64	121114M1	45.641	ug/L	
8) Trichlorofluoromethane	4.550	101	233682	49.538	ug/L	97
9) Ethyl ether	5.102	74	64547	40.791	ug/L	71
11) 1,1-Dichloroethene	5.676	96	131945	45.616	ug/L	80
12) Carbon disulfide	6.597	76	433894	45.405	ug/L	100
13) Freon-113	5.345	101	141690M1	50.685	ug/L	
14) Iodomethane	6.254	142	132894M1	43.222	ug/L	
15) Acrolein	5.367	56	23215M1	40.885	ug/L	
16) Allyl chloride	6.388	76	66783	33.857	ug/L	80
17) Methylene chloride	6.605	84	148569	41.265	ug/L	79
19) Acetone	5.490	43	46703M1	47.010	ug/L	
20) trans-1,2-Dichloroethene	7.160	96	149630	43.543	ug/L	85
21) Methyl acetate	6.343	43	101145	42.937	ug/L	95
22) Hexane	7.277	57	261535	34.139	ug/L	97
23) Methyl tert-butyl ether	6.890	73	320166	40.242	ug/L	92
24) tert-Butyl alcohol	5.880	59	81794M1	223.013	ug/L	

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N16.D
Acq On : 05 Jun 2020 02:50 am
Operator : VOA126:JC
Sample : c8260stdl40ppb
Misc : WG1378377,ICAL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 12:40:53 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Diisopropyl ether	7.782	45	566733	38.692	ug/L		94
26) 1,1-Dichloroethane	7.997	63	322816	44.117	ug/L		97
27) Halothane	7.088	117	111606	42.759	ug/L		100
28) Acrylonitrile	6.873	53	50009	43.503	ug/L		100
29) Ethyl tert-butyl ether	8.577	59	502220	39.835	ug/L		93
30) Vinyl acetate	8.016	43	316782	47.025	ug/L		96
31) cis-1,2-Dichloroethene	9.185	96	161633	42.166	ug/L		88
32) 2,2-Dichloropropane	9.081	77	200070	41.779	ug/L		98
33) Bromochloromethane	9.820	128	71230	43.506	ug/L	#	80
34) Cyclohexane	10.283	56	345274	47.445	ug/L		77
35) Chloroform	9.491	83	271061	41.734	ug/L		98
36) Ethyl acetate	9.182	43	107758	37.289	ug/L		99
37) Carbon tetrachloride	10.771	117	211069	45.130	ug/L		99
38) Tetrahydrofuran	9.904	42	38242M1	42.217	ug/L		
40) 1,1,1-Trichloroethane	10.272	97	235318	43.999	ug/L		97
42) 2-Butanone	8.850	43	64548M1	47.075	ug/L		
43) 1,1-Dichloropropene	10.585	75	198994	45.119	ug/L		100
44) Heptane	10.902	71	123130	34.303	ug/L	#	75
45) Benzene	11.128	78	572325	41.026	ug/L		93
46) tert-Amyl methyl ether	10.824	73	349484	40.453	ug/L	#	89
48) 1,2-Dichloroethane	11.114	62	210518	42.250	ug/L		98
51) Methyl cyclohexane	12.472	83	243045	45.579	ug/L	#	73
52) Trichloroethene	12.372	95	159764	44.015	ug/L		99
54) Dibromomethane	13.348	93	80916	42.918	ug/L		97
55) 1,2-Dichloropropane	12.746	63	184791	43.197	ug/L		96
57) 2-Chloroethyl vinyl ether	13.903	63	77764	41.423	ug/L		96
58) Bromodichloromethane	13.234	83	213223	45.738	ug/L		100
60) Methyl methacrylate	12.885	69	69460	35.160	ug/L		87
61) 1,4-Dioxane	13.298	88	60407M1	2288.935	ug/L		
62) cis-1,3-Dichloropropene	14.394	75	217932	41.490	ug/L		99
64) Octane	14.603	85	132459	35.876	ug/L	#	83
66) Toluene	15.072	92	378532	41.197	ug/L		98
67) 4-Methyl-2-pentanone	13.956	58	66002	49.509	ug/L		92
68) Tetrachloroethene	16.494	166	164157	41.849	ug/L		100
69) 2-Nitropropane	13.396	41	20161	30.246	ug/L	#	86
71) trans-1,3-Dichloropropene	15.493	75	192377	42.703	ug/L		99
72) Methyl isothiocyanate	15.378	73	52855	29.042	ug/L	#	96
74) Ethyl methacrylate	15.479	69	169067	48.338	ug/L		99
75) 1,1,2-Trichloroethane	15.830	83	101525	44.319	ug/L		99
76) Chlorodibromomethane	16.959	129	149892	45.181	ug/L		100

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N16.D
Acq On : 05 Jun 2020 02:50 am
Operator : VOA126:JC
Sample : c8260stdl40ppb
Misc : WG1378377,ICAL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 12:40:53 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
77) 1,3-Dichloropropane	16.388	76	208736	44.329 ug/L		99
78) 1,2-Dibromoethane	17.408	107	116598	44.598 ug/L		100
79) n-Butyl Acetate	16.402	43	209262	34.500 ug/L		93
80) 2-Hexanone	15.855	43	112551	50.288 ug/L		94
81) Nonane	18.044	57	309943	34.657 ug/L	#	86
82) Chlorobenzene	18.351	112	431456	41.954 ug/L		99
83) Ethylbenzene	18.479	91	741557	42.934 ug/L		97
84) 1,1,1,2-Tetrachloroethane	18.454	131	161420	46.820 ug/L		99
85) p/m Xylene	18.655	106	573030	86.476 ug/L		89
86) o Xylene	19.662	106	533621	84.668 ug/L		87
87) Styrene	19.754	104	923072	88.032 ug/L		96
89) Bromoform	20.529	173	92720	46.935 ug/L		100
91) Isopropylbenzene	20.507	105	737834	43.152 ug/L		96
93) Bromobenzene	21.544	156	179150	43.183 ug/L		99
94) Decane	21.209	57	358042	33.338 ug/L	#	85
95) n-Propylbenzene	21.460	91	863721	42.435 ug/L		96
96) 1,4-Dichlorobutane	20.755	55	272784	46.045 ug/L		97
97) 1,1,2,2-Tetrachloroethane	20.936	83	151541	45.943 ug/L		99
98) 4-Ethyltoluene	21.734	105	673623	39.779 ug/L		96
99) 2-Chlorotoluene	21.868	91	567907	42.157 ug/L		98
100) 1,3,5-Trimethylbenzene	21.845	105	603178	42.018 ug/L		97
101) 1,2,3-Trichloropropane	21.285	75	112305	45.334 ug/L		99
102) trans-1,4-Dichloro-2-b...	21.472	53	45061	40.657 ug/L	#	78
103) 4-Chlorotoluene	21.987	91	535727	42.303 ug/L		97
104) tert-Butylbenzene	22.687	119	532353	43.795 ug/L		99
107) 1,2,4-Trimethylbenzene	22.777	105	627809	43.646 ug/L		96
108) Limonene	23.348	68	205100	38.509 ug/L		100
109) sec-Butylbenzene	23.201	105	794613	43.585 ug/L		97
110) p-Isopropyltoluene	23.538	119	677315	43.128 ug/L		98
111) 1,3-Dichlorobenzene	23.739	146	343964	41.689 ug/L		100
112) 1,4-Dichlorobenzene	23.993	146	343479	42.121 ug/L		100
113) trans-Decahydronaphtha...	24.478	138	162864	36.653 ug/L		97
114) Undecane	24.107	57	366789	34.420 ug/L	#	84
115) p-Diethylbenzene	24.534	119	363636	37.851 ug/L		98
116) n-Butylbenzene	24.508	91	739311	41.384 ug/L		96
117) Hexachloroethane	25.624	117	102064	32.778 ug/L		96
118) 1,2-Dichlorobenzene	24.849	146	320189	43.202 ug/L		99
119) cis-Decahydronaphthalene	25.922	138	126985	36.656 ug/L		98
120) 1,2,4,5-Tetramethylben...	26.226	119	572121	39.958 ug/L		96
121) 1,2-Dibromo-3-chloropr...	26.572	155	24029	46.168 ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N16.D
Acq On : 05 Jun 2020 02:50 am
Operator : VOA126:JC
Sample : c8260stdl40ppb
Misc : WG1378377,ICAL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 12:40:53 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200604N\V26200604N08.D
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
122) 1,3,5-Trichlorobenzene	27.035	180	226415	39.692	ug/L	99
123) Nitrobenzene	26.759	77	6792	28.867	ug/L	91
124) Hexachlorobutadiene	28.491	225	111634	42.098	ug/L	100
125) 1,2,4-Trichlorobenzene	28.237	180	215803	41.863	ug/L	99
126) Naphthalene	28.691	128	474159	44.673	ug/L	100
127) 1,2,3-Trichlorobenzene	29.124	180	195733	42.741	ug/L	99

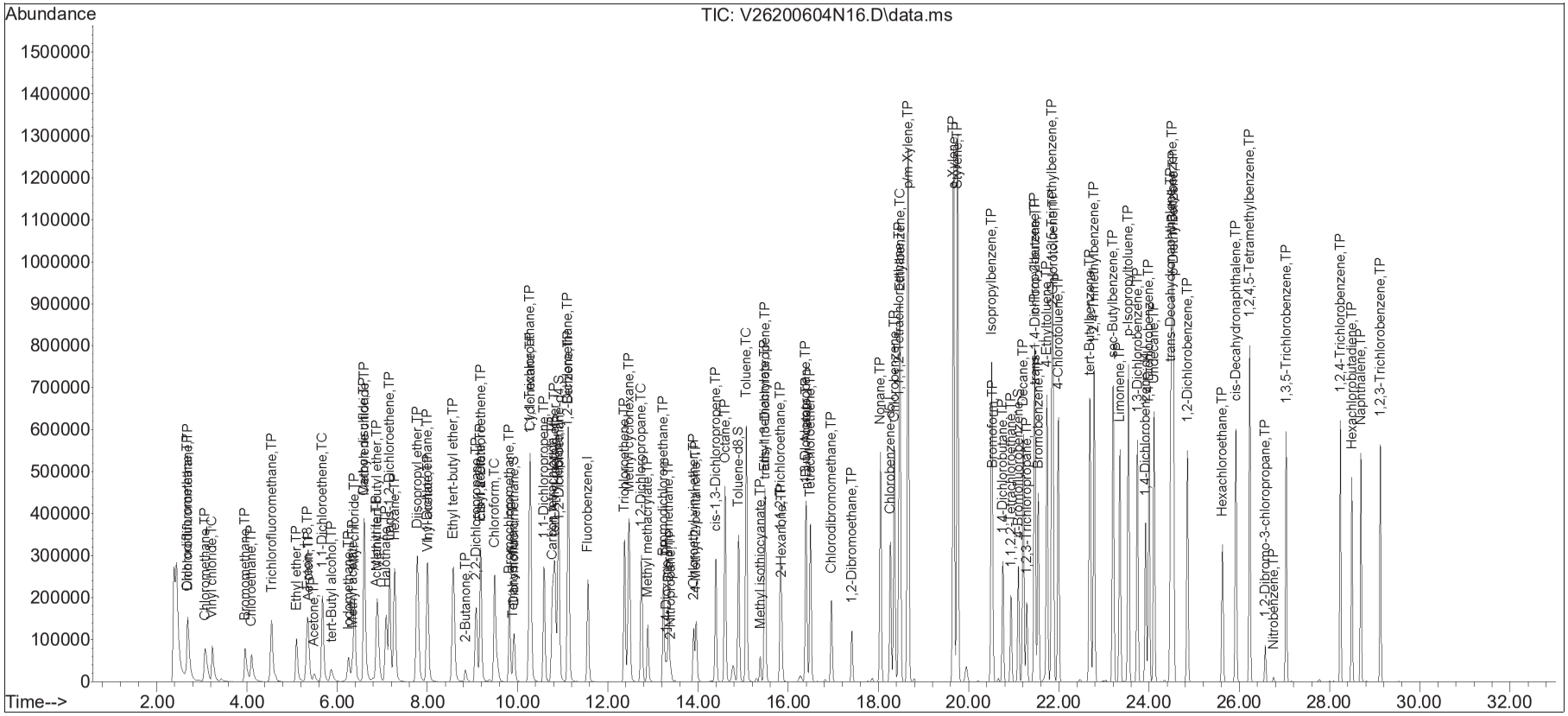
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200604N\
Data File : V26200604N16.D
Acq On : 05 Jun 2020 02:50 am
Operator : VOA126:JC
Sample : c8260stdl40ppb
Misc : WG1378377,ICAL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 12:40:53 2020
Quant Method : I:\VOLATILES\VOA126\2020\200604N\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

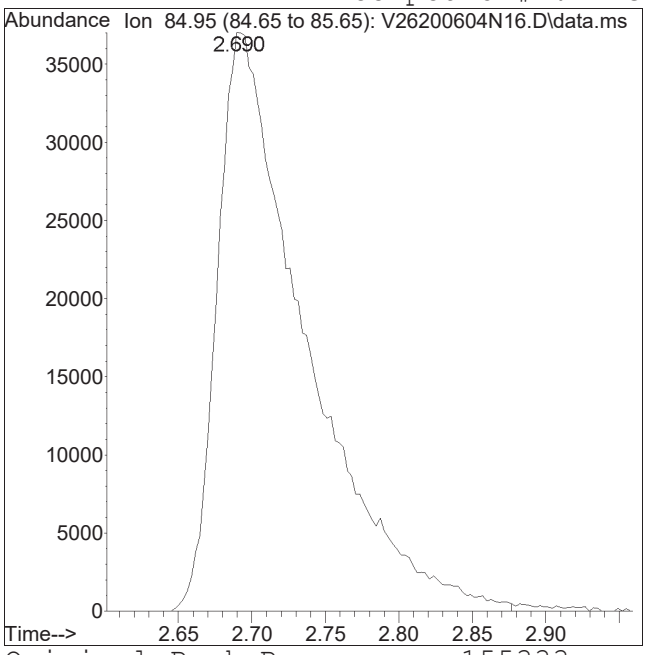
Sub List : 8260-Curve+Suffolk - Megamix+Diox+Suffolk00604N08.D•



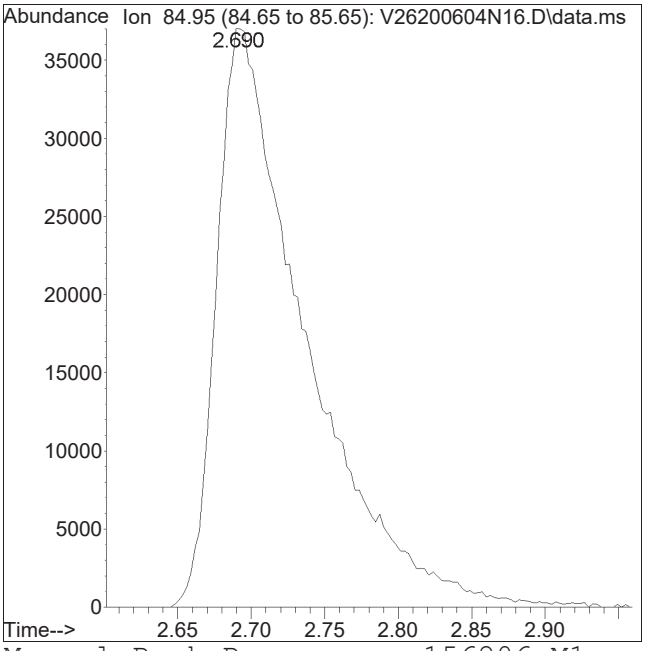
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N16.D Operator : VOA126:JC
Date Inj'd : 6/5/2020 2:50 am Instrument : VOA126
Sample : c8260std140ppb Quant Date : 6/5/2020 12:40 pm

Compound #2: Dichlorodifluoromethane



Original Peak Response = 155333



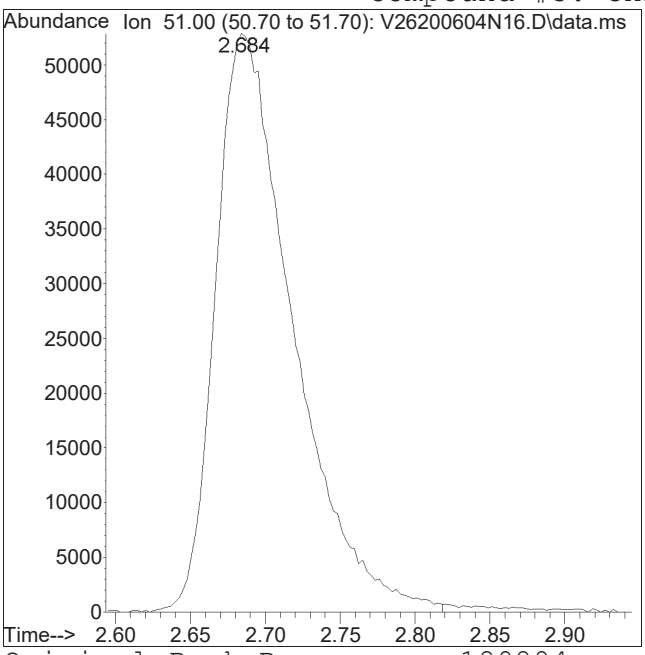
Manual Peak Response = 156206 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

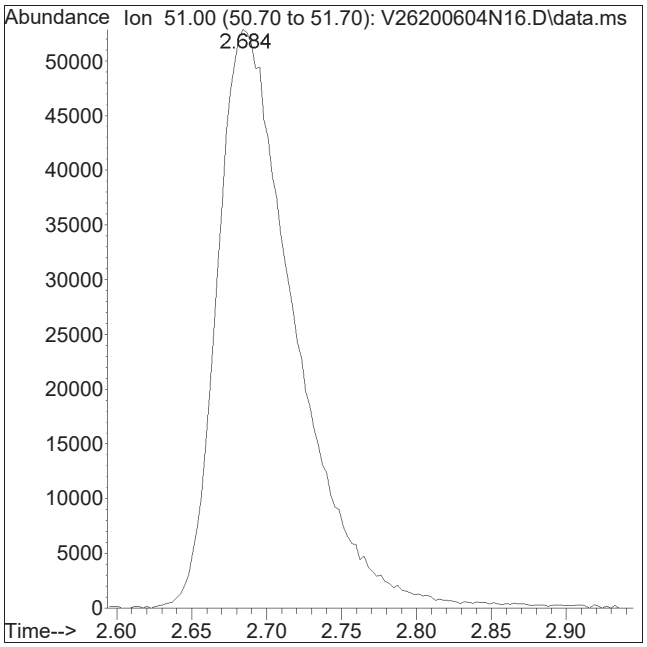
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N16.D Operator : VOA126:JC
Date Inj'd : 6/5/2020 2:50 am Instrument : VOA126
Sample : c8260stdl40ppb Quant Date : 6/5/2020 12:40 pm

Compound #3: Chlorodifluoromethane



Original Peak Response = 189894



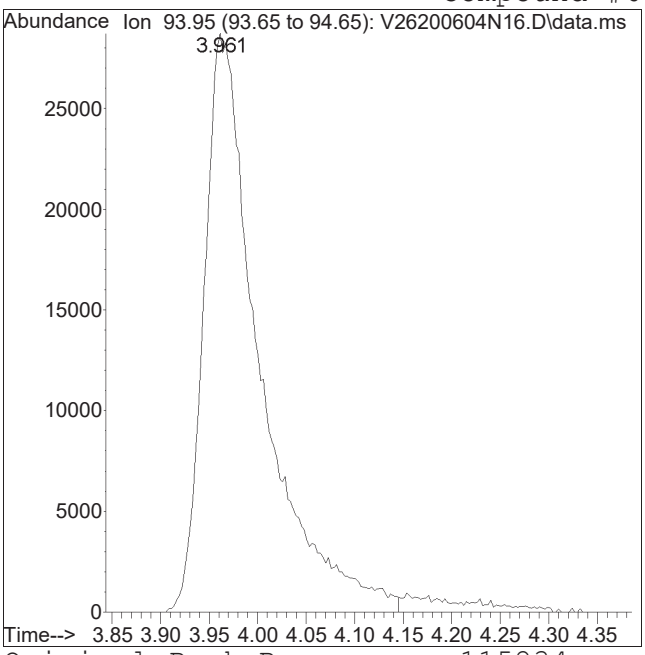
Manual Peak Response = 192046 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

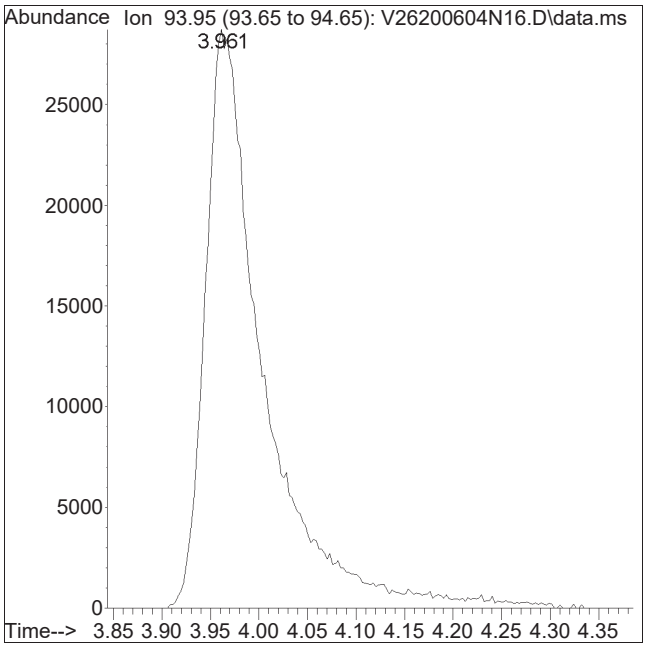
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N16.D Operator : VOA126:JC
Date Inj'd : 6/5/2020 2:50 am Instrument : VOA126
Sample : c8260stdl40ppb Quant Date : 6/5/2020 12:40 pm

Compound #6: Bromomethane



Original Peak Response = 115234



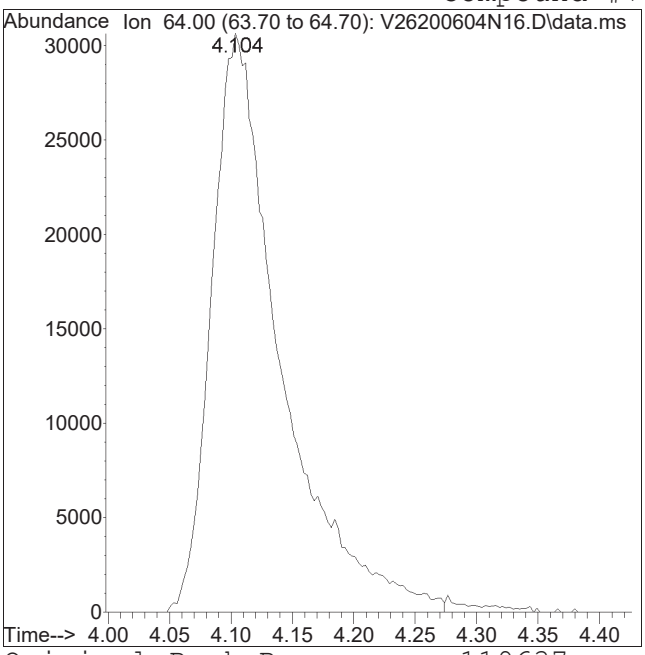
Manual Peak Response = 119526 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

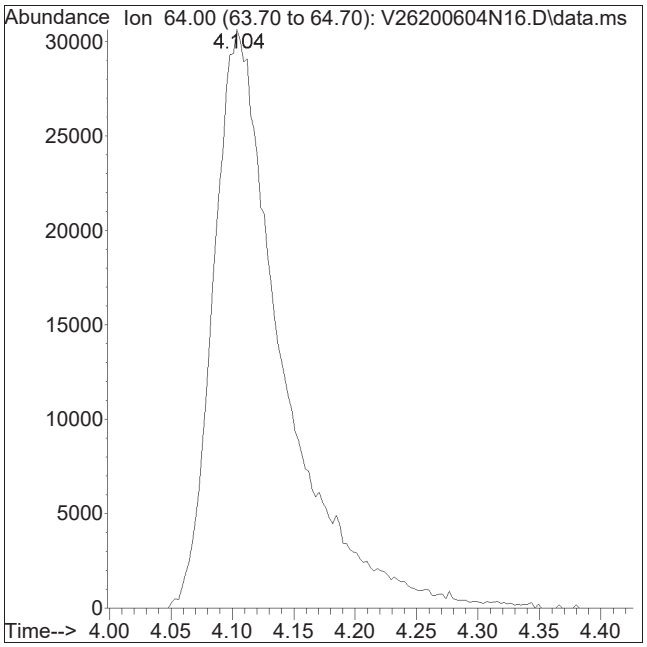
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N16.D Operator : VOA126:JC
Date Inj'd : 6/5/2020 2:50 am Instrument : VOA126
Sample : c8260stdl40ppb Quant Date : 6/5/2020 12:40 pm

Compound #7: Chloroethane



Original Peak Response = 119637



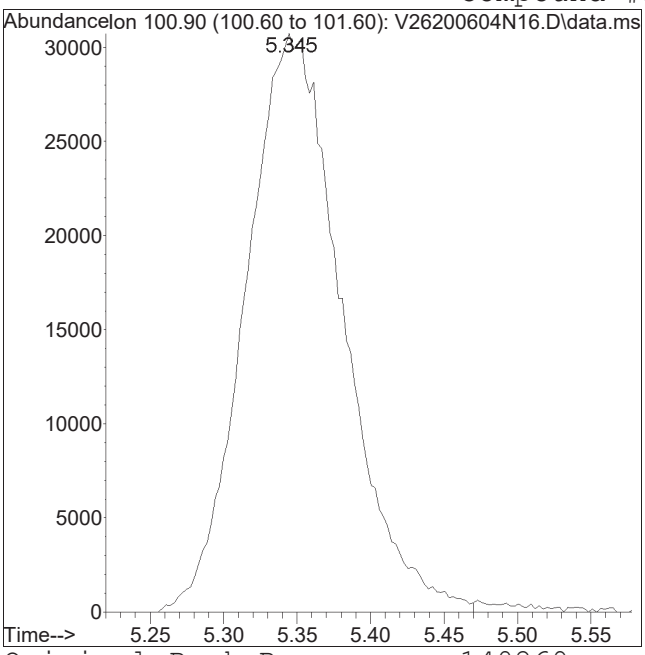
Manual Peak Response = 121114 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

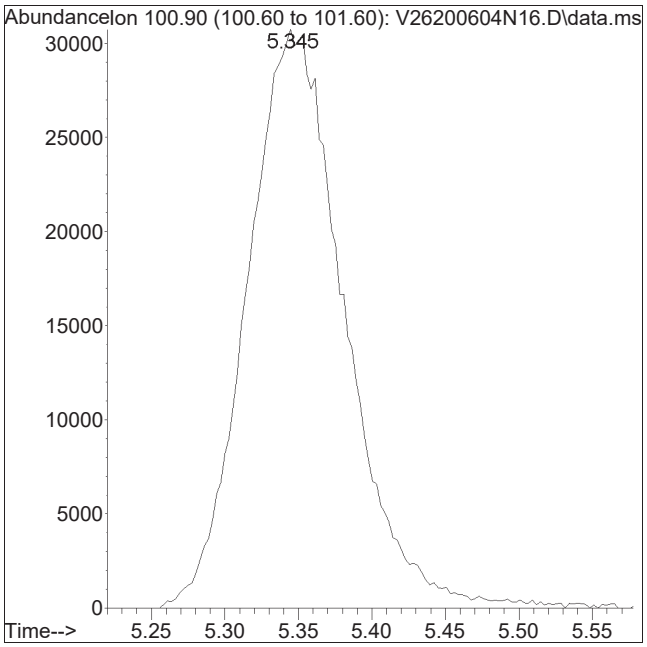
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N16.D Operator : VOA126:JC
Date Inj'd : 6/5/2020 2:50 am Instrument : VOA126
Sample : c8260stdl40ppb Quant Date : 6/5/2020 12:40 pm

Compound #13: Freon-113



Original Peak Response = 140269



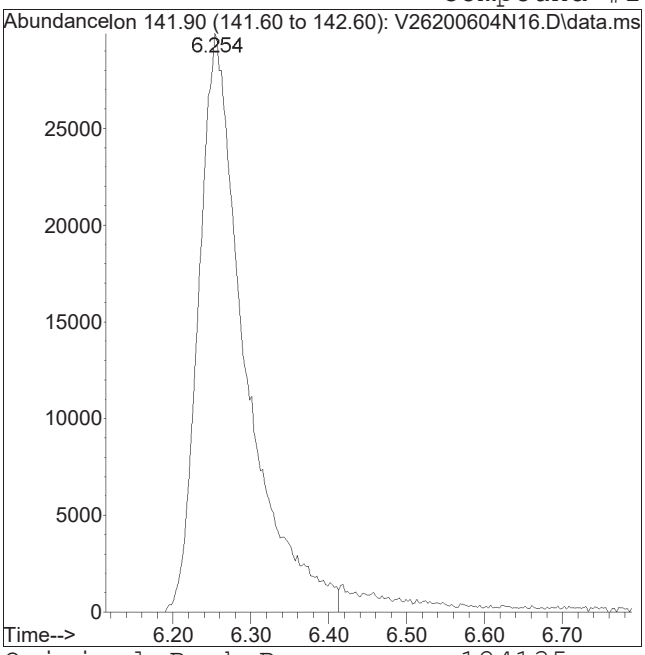
Manual Peak Response = 141690 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

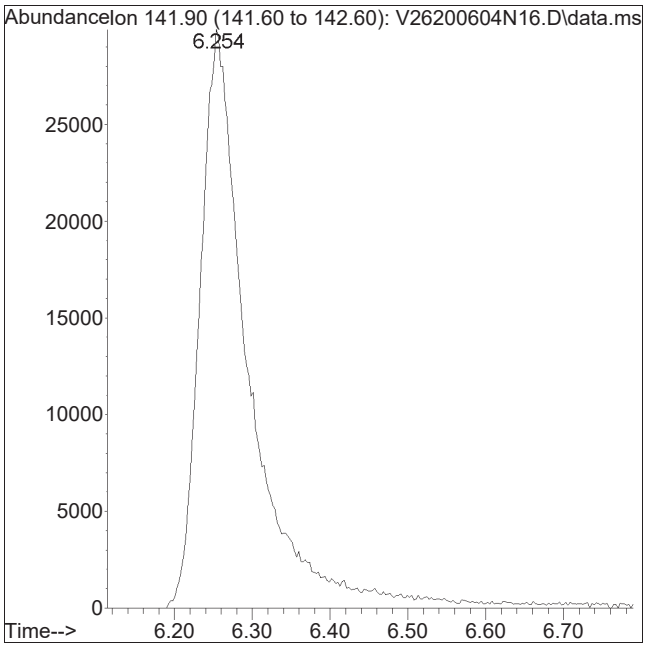
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N16.D Operator : VOA126:JC
Date Inj'd : 6/5/2020 2:50 am Instrument : VOA126
Sample : c8260stdl40ppb Quant Date : 6/5/2020 12:40 pm

Compound #14: Iodomethane



Original Peak Response = 124135



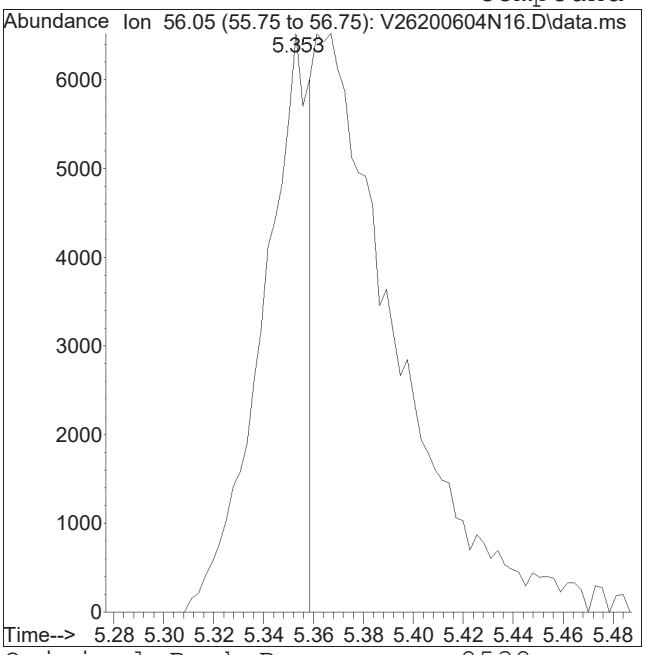
Manual Peak Response = 132894 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

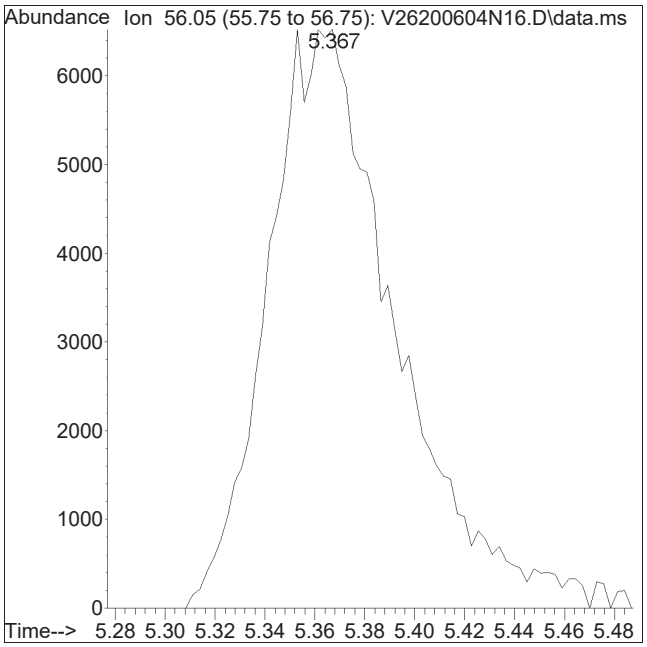
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N16.D Operator : VOA126:JC
Date Inj'd : 6/5/2020 2:50 am Instrument : VOA126
Sample : c8260stdl40ppb Quant Date : 6/5/2020 12:40 pm

Compound #15: Acrolein



Original Peak Response = 8538



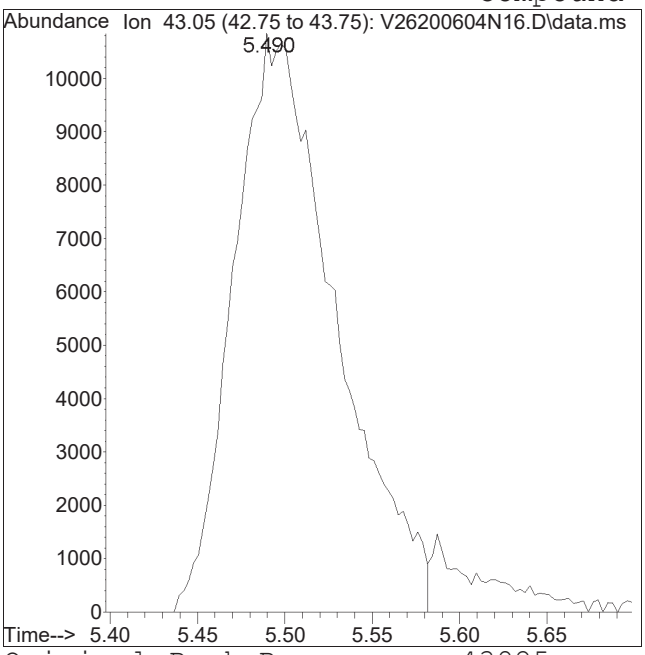
Manual Peak Response = 23215 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

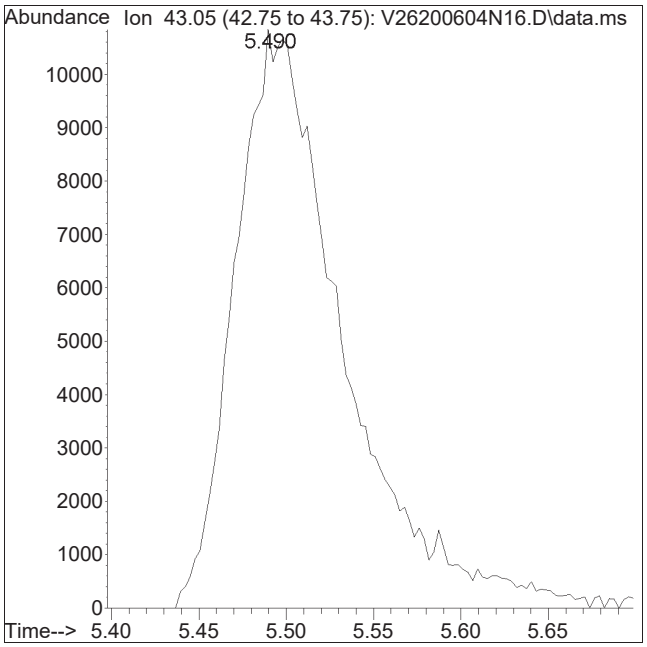
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N16.D Operator : VOA126:JC
Date Inj'd : 6/5/2020 2:50 am Instrument : VOA126
Sample : c8260stdl40ppb Quant Date : 6/5/2020 12:40 pm

Compound #19: Acetone



Original Peak Response = 43825



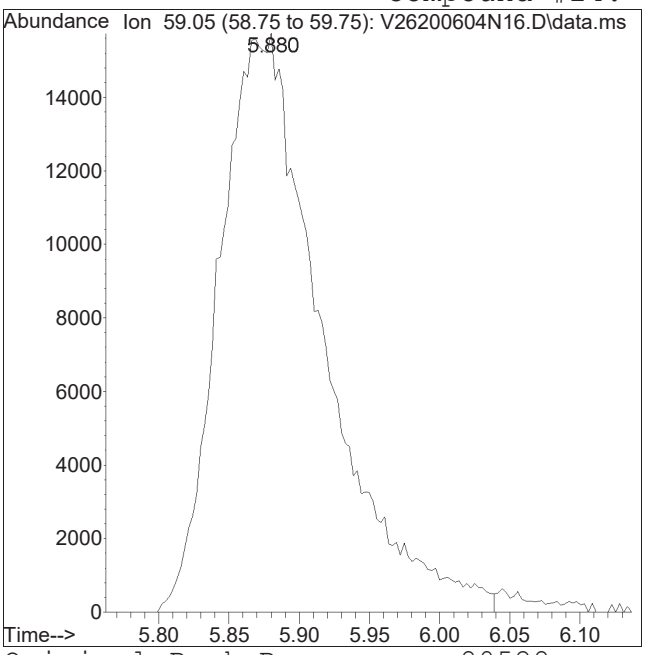
Manual Peak Response = 46703 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

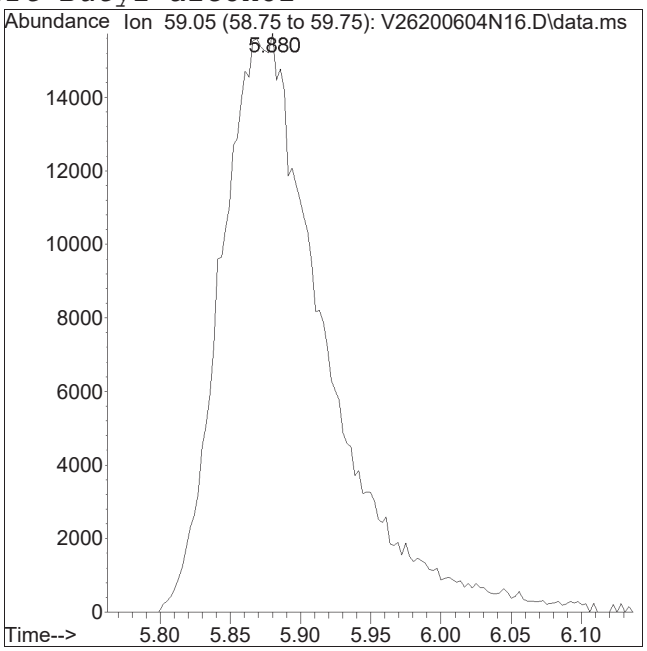
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N16.D Operator : VOA126:JC
Date Inj'd : 6/5/2020 2:50 am Instrument : VOA126
Sample : c8260stdl40ppb Quant Date : 6/5/2020 12:40 pm

Compound #24: tert-Butyl alcohol



Original Peak Response = 80528



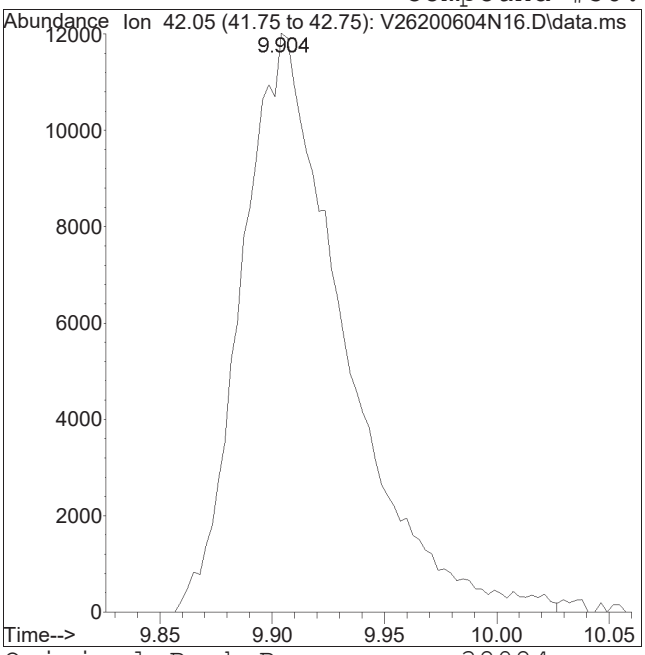
Manual Peak Response = 81794 M1

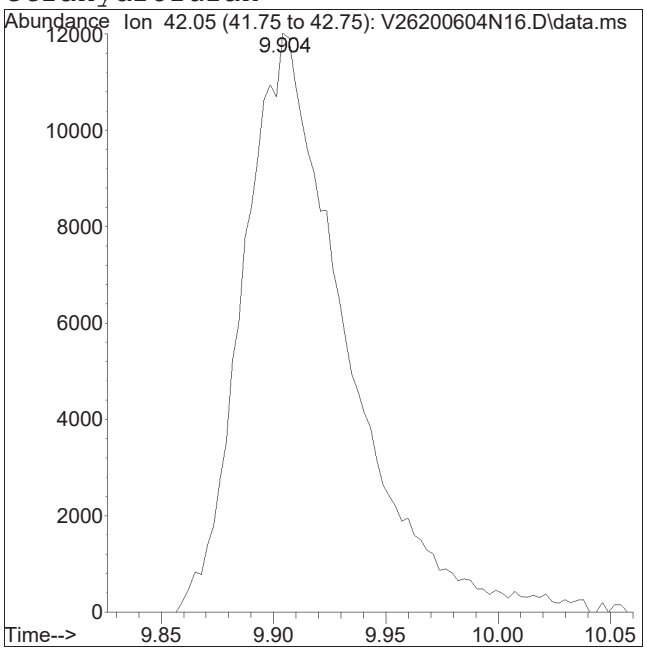
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N16.D Operator : VOA126:JC
Date Inj'd : 6/5/2020 2:50 am Instrument : VOA126
Sample : c8260stdl40ppb Quant Date : 6/5/2020 12:40 pm

Compound #38: Tetrahydrofuran





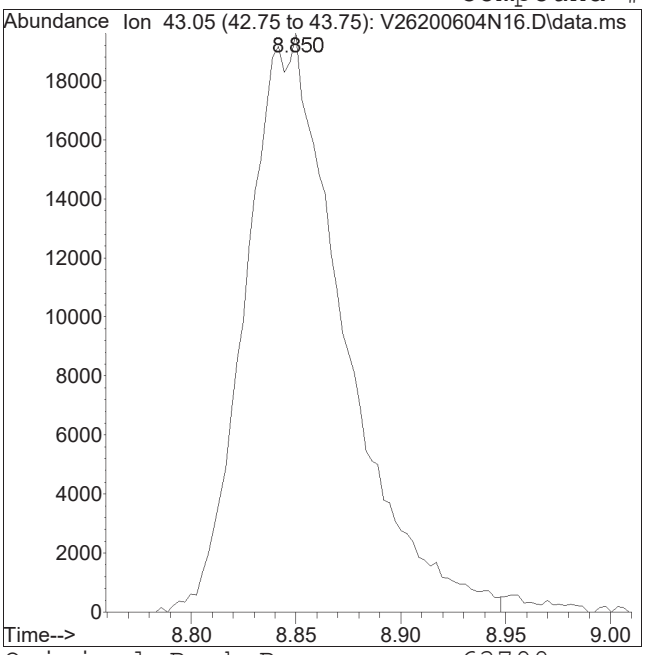
Original Peak Response = 38084 Manual Peak Response = 38242 M1

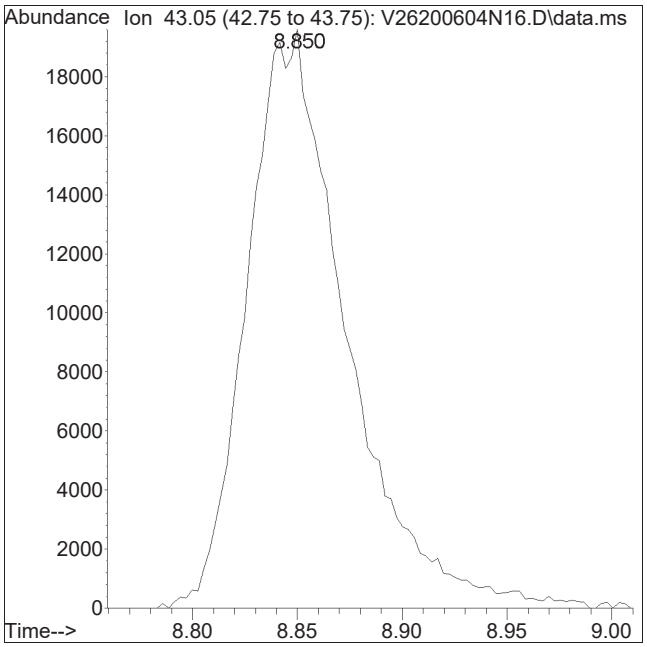
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N16.D Operator : VOA126:JC
Date Inj'd : 6/5/2020 2:50 am Instrument : VOA126
Sample : c8260stdl40ppb Quant Date : 6/5/2020 12:40 pm

Compound #42: 2-Butanone



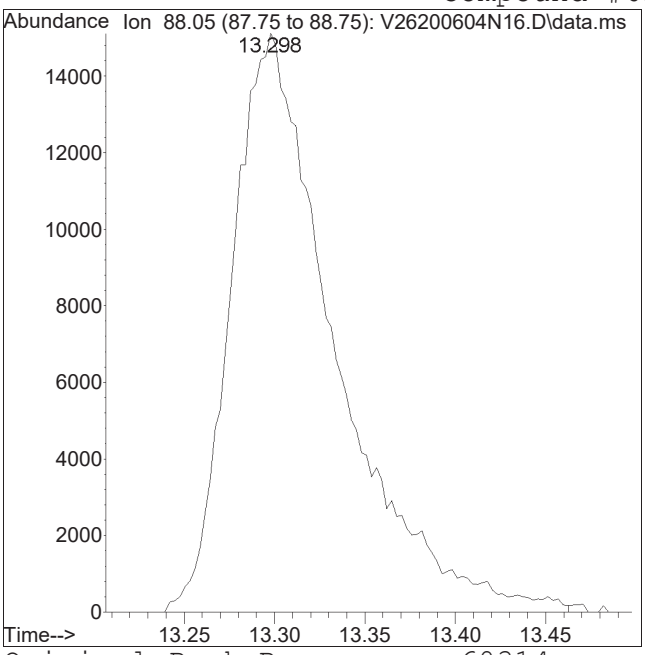


Original Peak Response = 63790 Manual Peak Response = 64548 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

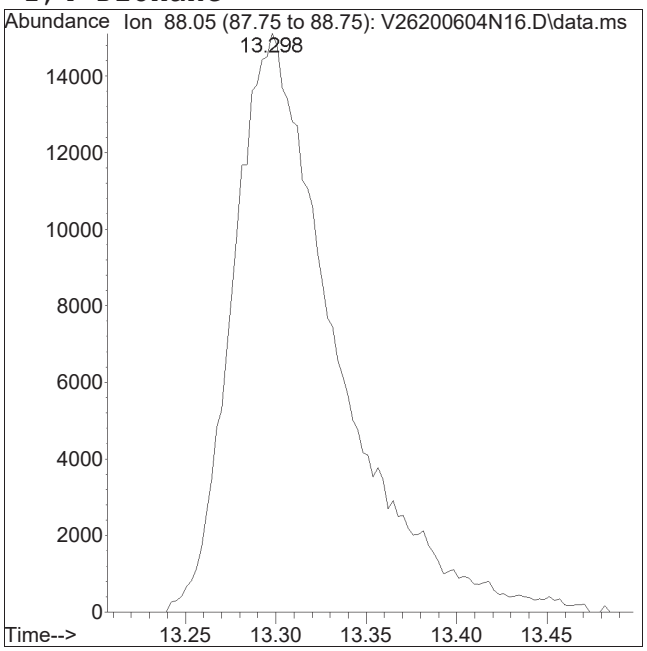
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200604N16.D Operator : VOA126:JC
Date Inj'd : 6/5/2020 2:50 am Instrument : VOA126
Sample : c8260stdl40ppb Quant Date : 6/5/2020 12:40 pm

Compound #61: 1,4-Dioxane



Original Peak Response = 60314



Manual Peak Response = 60407 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Continuing Calibration

Calibration Verification Summary
Form 7
Volatiles

Client	: Soils Engineering Services, Inc.	Lab Number	: L2040316	
Project Name	: CONEY ISLAND	Project Number	: 11404	
Instrument ID	: VOA126	Calibration Date	: 09/29/20 08:50	
Lab File ID	: V26200929A01	Init. Calib. Date(s)	: 06/04/20	06/04/20
Sample No	: WG1416109-2	Init. Calib. Times	: 18:10	23:30
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	84	0
Dichlorodifluoromethane	0.149	0.161	-	-8.1	20	86	0
Chloromethane	0.289	0.188	-	34.9*	20	57	0
Vinyl chloride	0.216	0.186	-	13.9	20	68	0
Bromomethane	0.159	0.126	-	20.8*	20	67	0
Chloroethane	0.168	0.132	-	21.4*	20	61	0
Trichlorofluoromethane	0.299	0.346	-	-15.7	20	92	0
Ethyl ether	0.1	0.091	-	9	20	72	-.01
1,1-Dichloroethene	0.183	0.178	-	2.7	20	78	0
Carbon disulfide	0.605	0.452	-	25.3*	20	63	0
Methylene chloride	0.228	0.194	-	14.9	20	73	0
Acetone	40	30.656	-	23.4*	20	60	-.02
trans-1,2-Dichloroethene	0.218	0.2	-	8.3	20	73	0
Methyl tert-butyl ether	0.504	0.517	-	-2.6	20	82	0
1,1-Dichloroethane	0.463	0.365	-	21.2*	20	64	0
Acrylonitrile	0.073	0.054	-	26*	20	58	-.02
Vinyl acetate	0.426	0.312	-	26.8*	20	58	-.01
cis-1,2-Dichloroethene	0.243	0.221	-	9.1	20	76	0
2,2-Dichloropropane	0.303	0.313	-	-3.3	20	83	-.01
Bromochloromethane	0.104	0.098	-	5.8	20	75	-.01
Chloroform	0.411	0.379	-	7.8	20	79	-.01
Carbon tetrachloride	0.296	0.326	-	-10.1	20	86	0
Dibromofluoromethane	0.26	0.268	-	-3.1	20	87	-.01
1,1,1-Trichloroethane	0.339	0.358	-	-5.6	20	83	0
2-Butanone	0.087	0.06*	-	31*	20	56	0
1,1-Dichloropropene	0.279	0.28	-	-0.4	20	79	0
Benzene	0.883	0.76	-	13.9	20	71	-.02
1,2-Dichloroethane-d4	0.264	0.266	-	-0.8	20	85	-.01
1,2-Dichloroethane	0.315	0.279	-	11.4	20	74	-.01
Trichloroethene	0.23	0.22	-	4.3	20	76	0
Dibromomethane	0.119	0.11	-	7.6	20	75	-.02
1,2-Dichloropropane	0.271	0.206	-	24*	20	62	0
Bromodichloromethane	0.295	0.298	-	-1	20	81	-.01
1,4-Dioxane	0.00167	0.00186*	-	-11.4	20	88	-.02
cis-1,3-Dichloropropene	0.332	0.31	-	6.6	20	75	-.01
Chlorobenzene-d5	1	1	-	0	20	80	-.01
Toluene-d8	1.249	1.25	-	-0.1	20	80	-.01
Toluene	0.68	0.639	-	6	20	74	-.02
4-Methyl-2-pentanone	0.099	0.085*	-	14.1	20	65	-.02
Tetrachloroethene	0.29	0.3	-	-3.4	20	81	-.01
trans-1,3-Dichloropropene	0.334	0.342	-	-2.4	20	79	-.01
Ethyl methacrylate	0.259	0.27	-	-4.2	20	76	-.02
1,1,2-Trichloroethane	0.17	0.165	-	2.9	20	76	-.01

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2040316	
Project Name	: CONEY ISLAND	**Project Number**	: 11404	
Instrument ID	: VOA126	**Calibration Date**	: 09/29/20 08:50	
Lab File ID	: V26200929A01	**Init. Calib. Date(s)**	: 06/04/20	06/04/20
Sample No	: WG1416109-2	**Init. Calib. Times**	: 18:10	23:30
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Chlorodibromomethane	0.246	0.275	-	-11.8	20	83	-.02
1,3-Dichloropropane	0.349	0.338	-	3.2	20	75	-.01
1,2-Dibromoethane	0.194	0.199	-	-2.6	20	79	-.01
2-Hexanone	0.166	0.134	-	19.3	20	62	-.01
Chlorobenzene	0.761	0.723	-	5	20	76	-.02
Ethylbenzene	1.279	1.26	-	1.5	20	75	-.02
1,1,1,2-Tetrachloroethane	0.255	0.285	-	-11.8	20	83	-.01
p/m Xylene	0.491	0.481	-	2	20	75	-.03
o Xylene	0.467	0.448	-	4.1	20	73	-.02
Styrene	0.776	0.782	-	-0.8	20	75	-.03
1,4-Dichlorobenzene-d4	1	1	-	0	20	83	-.01
Bromoform	0.278	0.327	-	-17.6	20	92	-.01
Isopropylbenzene	2.404	2.403	-	0	20	79	-.02
4-Bromofluorobenzene	0.974	0.952	-	2.3	20	81	0
Bromobenzene	0.583	0.582	-	0.2	20	81	-.02
n-Propylbenzene	2.862	2.766	-	3.4	20	77	-.02
1,4-Dichlorobutane	0.833	0.667	-	19.9	20	65	-.02
1,1,2,2-Tetrachloroethane	0.464	0.442	-	4.7	20	75	-.01
4-Ethyltoluene	2.381	2.355	-	1.1	20	79	-.03
2-Chlorotoluene	1.894	1.888	-	0.3	20	80	-.02
1,3,5-Trimethylbenzene	2.019	2.038	-	-0.9	20	80	-.03
1,2,3-Trichloropropane	0.348	0.346	-	0.6	20	80	-.02
trans-1,4-Dichloro-2-buten	0.156	0.128	-	17.9	20	66	-.02
4-Chlorotoluene	1.781	1.752	-	1.6	20	80	-.03
tert-Butylbenzene	1.709	1.764	-	-3.2	20	80	-.02
1,2,4-Trimethylbenzene	2.023	2.007	-	0.8	20	80	-.03
sec-Butylbenzene	2.564	2.612	-	-1.9	20	80	-.02
p-Isopropyltoluene	2.208	2.265	-	-2.6	20	80	-.03
1,3-Dichlorobenzene	1.16	1.126	-	2.9	20	79	-.02
1,4-Dichlorobenzene	1.147	1.123	-	2.1	20	80	-.02
p-Diethylbenzene	1.351	1.361	-	-0.7	20	79	-.03
n-Butylbenzene	2.512	2.404	-	4.3	20	75	-.02
1,2-Dichlorobenzene	1.042	1.025	-	1.6	20	79	-.02
1,2,4,5-Tetramethylbenzene	2.013	2.076	-	-3.1	20	78	-.01
1,2-Dibromo-3-chloropropan	0.073	0.079	-	-8.2	20	84	0
Hexachlorobutadiene	0.373	0.462	-	-23.9*	20	97	-.01
1,2,4-Trichlorobenzene	0.725	0.732	-	-1	20	79	-.01
Naphthalene	1.493	1.441	-	3.5	20	75	-.01
1,2,3-Trichlorobenzene	0.644	0.667	-	-3.6	20	82	-.01

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A01.D
Acq On : 29 Sep 2020 08:50
Operator : VOA126:MV
Sample : WG1416109-2
Misc : WG1416109,ICAL16859
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 29 12:27:46 2020
Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	84	0.00
2	TP	Dichlorodifluoromethane	0.149	0.161	-8.1	86	0.00
4	TP	Chloromethane	0.289	0.188	34.9#	57	0.00
5	TC	Vinyl chloride	0.216	0.186	13.9	68	0.00
6	TP	Bromomethane	0.159	0.126	20.8#	67	0.00
7	TP	Chloroethane	0.168	0.132	21.4#	61	0.00
8	TP	Trichlorofluoromethane	0.299	0.346	-15.7	92	0.00
9	TP	Ethyl ether	0.100	0.091	9.0	72	-0.01
11	TC	1,1-Dichloroethene	0.183	0.178	2.7	78	0.00
12	TP	Carbon disulfide	0.605	0.452	25.3#	63	0.00
17	TP	Methylene chloride	0.228	0.194	14.9	73	0.00
19	TP	Acetone	* 40.000	30.656	23.4#	60	-0.02
20	TP	trans-1,2-Dichloroethene	0.218	0.200	8.3	73	0.00
23	TP	Methyl tert-butyl ether	0.504	0.517	-2.6	82	0.00
26	TP	1,1-Dichloroethane	0.463	0.365	21.2#	64	0.00
28	TP	Acrylonitrile	0.073	0.054	26.0#	58	-0.02
30	TP	Vinyl acetate	0.426	0.312	26.8#	58	-0.01
31	TP	cis-1,2-Dichloroethene	0.243	0.221	9.1	76	0.00
32	TP	2,2-Dichloropropane	0.303	0.313	-3.3	83	-0.01
33	TP	Bromochloromethane	0.104	0.098	5.8	75	-0.01
35	TC	Chloroform	0.411	0.379	7.8	79	-0.01
37	TP	Carbon tetrachloride	0.296	0.326	-10.1	86	0.00
39	S	Dibromofluoromethane	0.260	0.268	-3.1	87	-0.01
40	TP	1,1,1-Trichloroethane	0.339	0.358	-5.6	83	0.00
42	TP	2-Butanone	0.087	0.060#	31.0#	56	0.00
43	TP	1,1-Dichloropropene	0.279	0.280	-0.4	79	0.00
45	TP	Benzene	0.883	0.760	13.9	71	-0.02
47	S	1,2-Dichloroethane-d4	0.264	0.266	-0.8	85	-0.01
48	TP	1,2-Dichloroethane	0.315	0.279	11.4	74	-0.01
52	TP	Trichloroethene	0.230	0.220	4.3	76	0.00
54	TP	Dibromomethane	0.119	0.110	7.6	75	-0.02
55	TC	1,2-Dichloropropane	0.271	0.206	24.0#	62	0.00
58	TP	Bromodichloromethane	0.295	0.298	-1.0	81	-0.01
61	TP	1,4-Dioxane	0.00167	0.00186#	-11.4	88	-0.02
62	TP	cis-1,3-Dichloropropene	0.332	0.310	6.6	75	-0.01
63	I	Chlorobenzene-d5	1.000	1.000	0.0	80	-0.01
65	S	Toluene-d8	1.249	1.250	-0.1	80	-0.01
66	TC	Toluene	0.680	0.639	6.0	74	-0.02

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A01.D
Acq On : 29 Sep 2020 08:50
Operator : VOA126:MV
Sample : WG1416109-2
Misc : WG1416109,ICAL16859
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 29 12:27:46 2020
Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
67	TP	4-Methyl-2-pentanone	0.099	0.085#	14.1	65	-0.02
68	TP	Tetrachloroethene	0.290	0.300	-3.4	81	-0.01
71	TP	trans-1,3-Dichloropropene	0.334	0.342	-2.4	79	-0.01
74	TP	Ethyl methacrylate	0.259	0.270	-4.2	76	-0.02
75	TP	1,1,2-Trichloroethane	0.170	0.165	2.9	76	-0.01
76	TP	Chlorodibromomethane	0.246	0.275	-11.8	83	-0.02
77	TP	1,3-Dichloropropane	0.349	0.338	3.2	75	-0.01
78	TP	1,2-Dibromoethane	0.194	0.199	-2.6	79	-0.01
80	TP	2-Hexanone	0.166	0.134	19.3	62	-0.01
82	TP	Chlorobenzene	0.761	0.723	5.0	76	-0.02
83	TC	Ethylbenzene	1.279	1.260	1.5	75	-0.02
84	TP	1,1,1,2-Tetrachloroethane	0.255	0.285	-11.8	83	-0.01
85	TP	p/m Xylene	0.491	0.481	2.0	75	-0.03
86	TP	o Xylene	0.467	0.448	4.1	73	-0.02
87	TP	Styrene	0.776	0.782	-0.8	75	-0.03
88	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	83	-0.01
89	TP	Bromoform	0.278	0.327	-17.6	92	-0.01
91	TP	Isopropylbenzene	2.404	2.403	0.0	79	-0.02
92	S	4-Bromofluorobenzene	0.974	0.952	2.3	81	0.00
93	TP	Bromobenzene	0.583	0.582	0.2	81	-0.02
95	TP	n-Propylbenzene	2.862	2.766	3.4	77	-0.02
96	TP	1,4-Dichlorobutane	0.833	0.667	19.9	65	-0.02
97	TP	1,1,2,2-Tetrachloroethane	0.464	0.442	4.7	75	-0.01
98	TP	4-Ethyltoluene	2.381	2.355	1.1	79	-0.03
99	TP	2-Chlorotoluene	1.894	1.888	0.3	80	-0.02
100	TP	1,3,5-Trimethylbenzene	2.019	2.038	-0.9	80	-0.03
101	TP	1,2,3-Trichloropropane	0.348	0.346	0.6	80	-0.02
102	TP	trans-1,4-Dichloro-2-butene	0.156	0.128	17.9	66	-0.02
103	TP	4-Chlorotoluene	1.781	1.752	1.6	80	-0.03
104	TP	tert-Butylbenzene	1.709	1.764	-3.2	80	-0.02
107	TP	1,2,4-Trimethylbenzene	2.023	2.007	0.8	80	-0.03
109	TP	sec-Butylbenzene	2.564	2.612	-1.9	80	-0.02
110	TP	p-Isopropyltoluene	2.208	2.265	-2.6	80	-0.03
111	TP	1,3-Dichlorobenzene	1.160	1.126	2.9	79	-0.02
112	TP	1,4-Dichlorobenzene	1.147	1.123	2.1	80	-0.02
115	TP	p-Diethylbenzene	1.351	1.361	-0.7	79	-0.03
116	TP	n-Butylbenzene	2.512	2.404	4.3	75	-0.02
118	TP	1,2-Dichlorobenzene	1.042	1.025	1.6	79	-0.02

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A01.D
Acq On : 29 Sep 2020 08:50
Operator : VOA126:MV
Sample : WG1416109-2
Misc : WG1416109,ICAL16859
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 29 12:27:46 2020
Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
120	TP	1,2,4,5-Tetramethylbenzene	2.013	2.076	-3.1	78	-0.01
121	TP	1,2-Dibromo-3-chloropropane	0.073	0.079	-8.2	84	0.00
124	TP	Hexachlorobutadiene	0.373	0.462	-23.9#	97	-0.01
125	TP	1,2,4-Trichlorobenzene	0.725	0.732	-1.0	79	-0.01
126	TP	Naphthalene	1.493	1.441	3.5	75	-0.01
127	TP	1,2,3-Trichlorobenzene	0.644	0.667	-3.6	82	-0.01

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 3 CCC's out = 1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A01.D
Acq On : 29 Sep 2020 08:50
Operator : VOA126:MV
Sample : WG1416109-2
Misc : WG1416109,ICAL16859
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 29 12:27:46 2020
Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200929A\V26200929A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	11.555	96	269604	20.000	ug/L	0.00
Standard Area 1 = 269604			Recovery = 100.00%			
63) Chlorobenzene-d5	18.256	117	217005	20.000	ug/L	-0.01
Standard Area 1 = 217005			Recovery = 100.00%			
88) 1,4-Dichlorobenzene-d4	23.914	152	117842	20.000	ug/L	-0.01
Standard Area 1 = 117842			Recovery = 100.00%			
System Monitoring Compounds						
39) Dibromofluoromethane	9.912	113	72370	20.659	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.30%			
47) 1,2-Dichloroethane-d4	10.916	65	71634	20.136	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.68%			
65) Toluene-d8	14.893	98	271275	20.016	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.08%			
92) 4-Bromofluorobenzene	21.095	95	112244	19.566	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.83%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.690	85	87063	43.371	ug/L #	90
4) Chloromethane	3.072	50	101560	26.101	ug/L	97
5) Vinyl chloride	3.236	62	100186	34.373	ug/L	99
6) Bromomethane	3.961	94	67832	31.630	ug/L	93
7) Chloroethane	4.104	64	71073	31.388	ug/L	98
8) Trichlorofluoromethane	4.544	101	186391	46.305	ug/L	99
9) Ethyl ether	5.094	74	48947	36.250	ug/L	92
11) 1,1-Dichloroethene	5.671	96	95798	38.813	ug/L	94
12) Carbon disulfide	6.588	76	243504	29.862	ug/L	100
17) Methylene chloride	6.594	84	104523	34.022	ug/L	97
19) Acetone	5.487	43	26721M1	30.656	ug/L	
20) trans-1,2-Dichloroethene	7.154	96	107647	36.711	ug/L	96
23) Methyl tert-butyl ether	6.890	73	278899	41.082	ug/L	95
26) 1,1-Dichloroethane	7.991	63	196587	31.485	ug/L	98
28) Acrylonitrile	6.867	53	29370M1	29.941	ug/L	
30) Vinyl acetate	8.008	43	168476	29.309	ug/L	97
31) cis-1,2-Dichloroethene	9.176	96	119093	36.410	ug/L	99
32) 2,2-Dichloropropane	9.073	77	168618	41.265	ug/L	88
33) Bromochloromethane	9.812	128	52588	37.641	ug/L	96
35) Chloroform	9.483	83	204555	36.909	ug/L	97
37) Carbon tetrachloride	10.763	117	175559	43.991	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A01.D
Acq On : 29 Sep 2020 08:50
Operator : VOA126:MV
Sample : WG1416109-2
Misc : WG1416109,ICAL16859
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 29 12:27:46 2020
Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200929A\V26200929A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) 1,1,1-Trichloroethane	10.267	97	193221	42.339	ug/L		97
42) 2-Butanone	8.844	43	32177	27.501	ug/L		97
43) 1,1-Dichloropropene	10.585	75	151229	40.184	ug/L		99
45) Benzene	11.120	78	409601	34.409	ug/L		99
48) 1,2-Dichloroethane	11.106	62	150652	35.433	ug/L		99
52) Trichloroethene	12.364	95	118488	38.255	ug/L		98
54) Dibromomethane	13.337	93	59360	36.897	ug/L		94
55) 1,2-Dichloropropane	12.743	63	111289	30.487	ug/L		97
58) Bromodichloromethane	13.225	83	160842	40.434	ug/L	#	98
61) 1,4-Dioxane	13.290	88	50061M1	2223.005	ug/L		
62) cis-1,3-Dichloropropene	14.386	75	167262	37.318	ug/L		93
66) Toluene	15.060	92	277487	37.590	ug/L		99
67) 4-Methyl-2-pentanone	13.951	58	36676	34.244	ug/L	#	74
68) Tetrachloroethene	16.488	166	130147	41.298	ug/L		100
71) trans-1,3-Dichloropropene	15.487	75	148565	41.048	ug/L		86
74) Ethyl methacrylate	15.468	69	117346	41.760	ug/L		97
75) 1,1,2-Trichloroethane	15.822	83	71764	38.993	ug/L		98
76) Chlorodibromomethane	16.946	129	119171	44.711	ug/L		99
77) 1,3-Dichloropropane	16.385	76	146858	38.820	ug/L		99
78) 1,2-Dibromoethane	17.403	107	86439	41.153	ug/L		100
80) 2-Hexanone	15.847	43	58370	32.462	ug/L	#	90
82) Chlorobenzene	18.343	112	313780	37.978	ug/L		99
83) Ethylbenzene	18.474	91	546827	39.407	ug/L		95
84) 1,1,1,2-Tetrachloroethane	18.451	131	123899	44.731	ug/L		97
85) p/m Xylene	18.649	106	417759	78.471	ug/L		83
86) o Xylene	19.659	106	389263	76.877	ug/L		81
87) Styrene	19.748	104	678391	80.529	ug/L		99
89) Bromoform	20.521	173	77062	47.081	ug/L		100
91) Isopropylbenzene	20.498	105	566308	39.973	ug/L		95
93) Bromobenzene	21.536	156	137250	39.929	ug/L		99
95) n-Propylbenzene	21.452	91	651951	38.658	ug/L		96
96) 1,4-Dichlorobutane	20.749	55	157208	32.027	ug/L		97
97) 1,1,2,2-Tetrachloroethane	20.931	83	104152	38.110	ug/L		99
98) 4-Ethyltoluene	21.728	105	555135	39.565	ug/L		95
99) 2-Chlorotoluene	21.859	91	445084	39.876	ug/L		95
100) 1,3,5-Trimethylbenzene	21.837	105	480280	40.379	ug/L		94
101) 1,2,3-Trichloropropane	21.276	75	81632	39.771	ug/L		96
102) trans-1,4-Dichloro-2-b...	21.463	53	30214	32.902	ug/L		90
103) 4-Chlorotoluene	21.979	91	412976	39.357	ug/L		95
104) tert-Butylbenzene	22.679	119	415638	41.268	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A01.D
Acq On : 29 Sep 2020 08:50
Operator : VOA126:MV
Sample : WG1416109-2
Misc : WG1416109,ICAL16859
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 29 12:27:46 2020
Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200929A\V26200929A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107)	1,2,4-Trimethylbenzene	22.771	105	473124	39.697	ug/L	93
109)	sec-Butylbenzene	23.192	105	615550	40.749	ug/L	96
110)	p-Isopropyltoluene	23.532	119	533851	41.026	ug/L	97
111)	1,3-Dichlorobenzene	23.730	146	265468	38.832	ug/L	99
112)	1,4-Dichlorobenzene	23.987	146	264606	39.163	ug/L	99
115)	p-Diethylbenzene	24.531	119	320766	40.297	ug/L	98
116)	n-Butylbenzene	24.506	91	566641	38.281	ug/L	97
118)	1,2-Dichlorobenzene	24.840	146	241573	39.338	ug/L	99
120)	1,2,4,5-Tetramethylben...	26.224	119	489284	41.244	ug/L	94
121)	1,2-Dibromo-3-chloropr...	26.569	155	18590	43.108	ug/L	98
124)	Hexachlorobutadiene	28.485	225	108993	49.607	ug/L	99
125)	1,2,4-Trichlorobenzene	28.234	180	172502	40.387	ug/L	99
126)	Naphthalene	28.686	128	339652	38.622	ug/L	100
127)	1,2,3-Trichlorobenzene	29.118	180	157197	41.428	ug/L	99

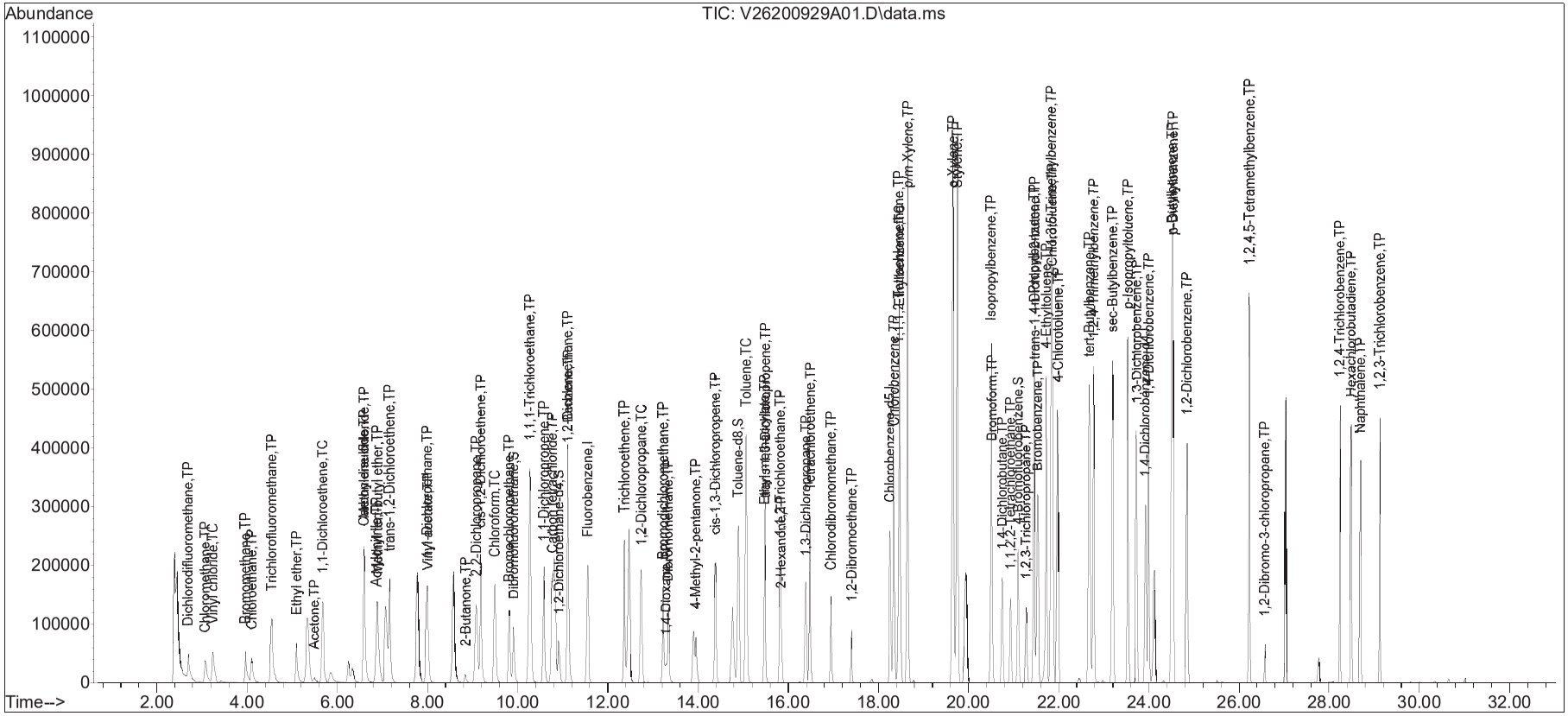
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A01.D
Acq On : 29 Sep 2020 08:50
Operator : VOA126:MV
Sample : WG1416109-2
Misc : WG1416109,ICAL16859
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 29 12:27:46 2020
Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

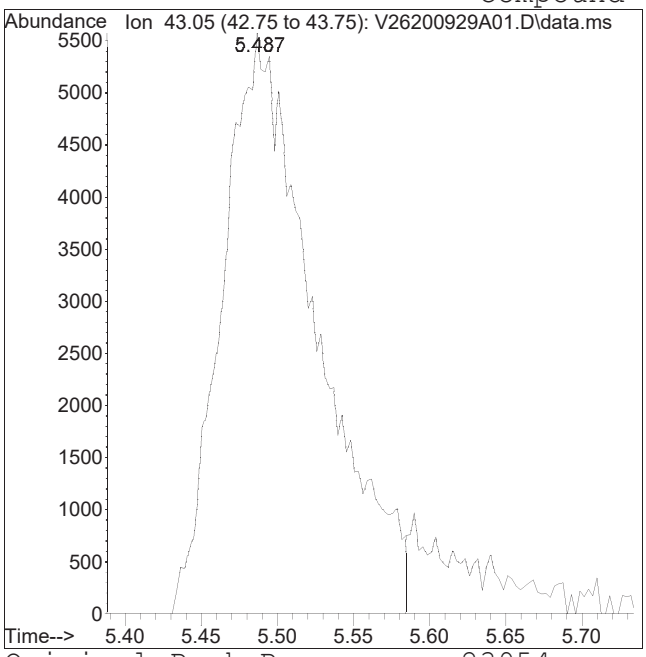
Sub List : 8260-NYTCL - Megamix plus Diox00929A\V26200929A01.D•

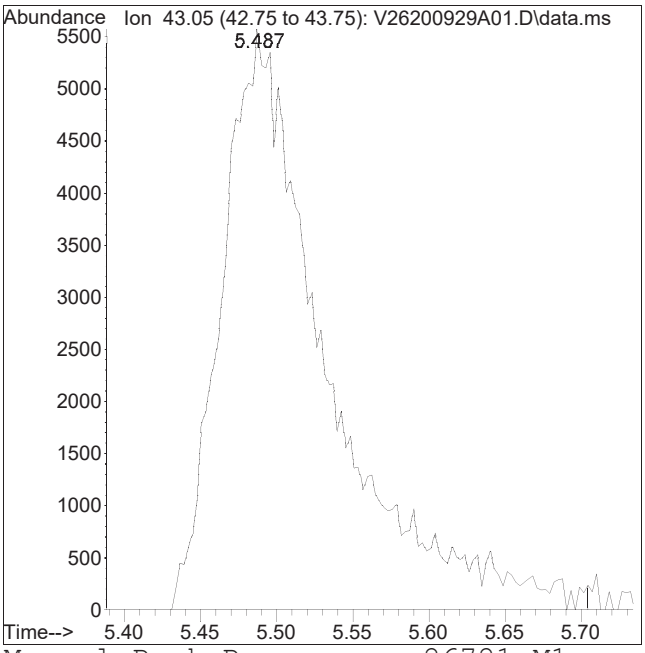


Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200929A01.D Operator : VOA126:MV
Date Inj'd : 9/29/2020 8:50 Instrument : VOA126
Sample : WG1416109-2 Quant Date : 9/29/2020 9:37 am

Compound #19: Acetone





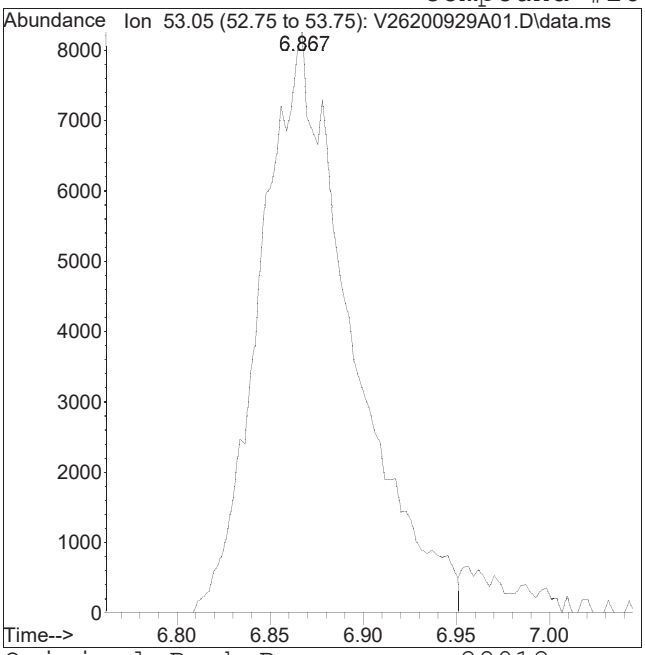
Original Peak Response = 23954 Manual Peak Response = 26721 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

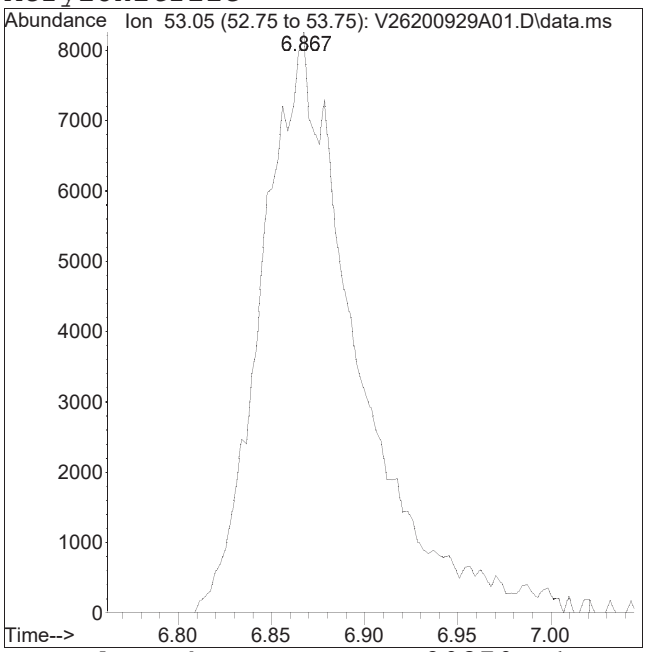
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200929A01.D Operator : VOA126:MV
Date Inj'd : 9/29/2020 8:50 Instrument : VOA126
Sample : WG1416109-2 Quant Date : 9/29/2020 9:37 am

Compound #28: Acrylonitrile



Original Peak Response = 28012



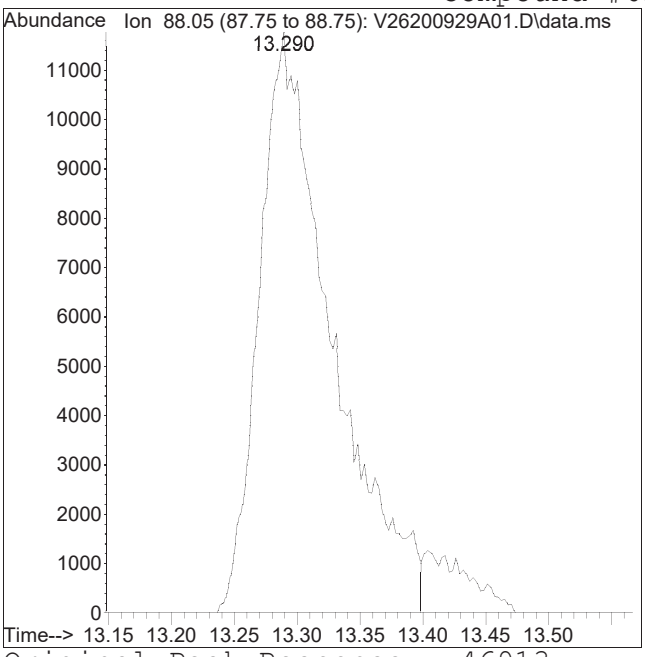
Manual Peak Response = 29370 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

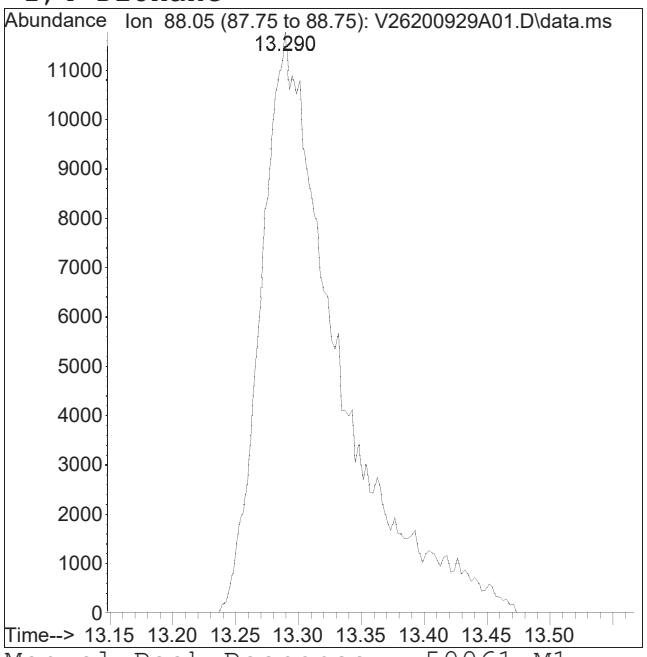
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200929A01.D Operator : VOA126:MV
Date Inj'd : 9/29/2020 8:50 Instrument : VOA126
Sample : WG1416109-2 Quant Date : 9/29/2020 9:37 am

Compound #61: 1,4-Dioxane



Original Peak Response = 46913



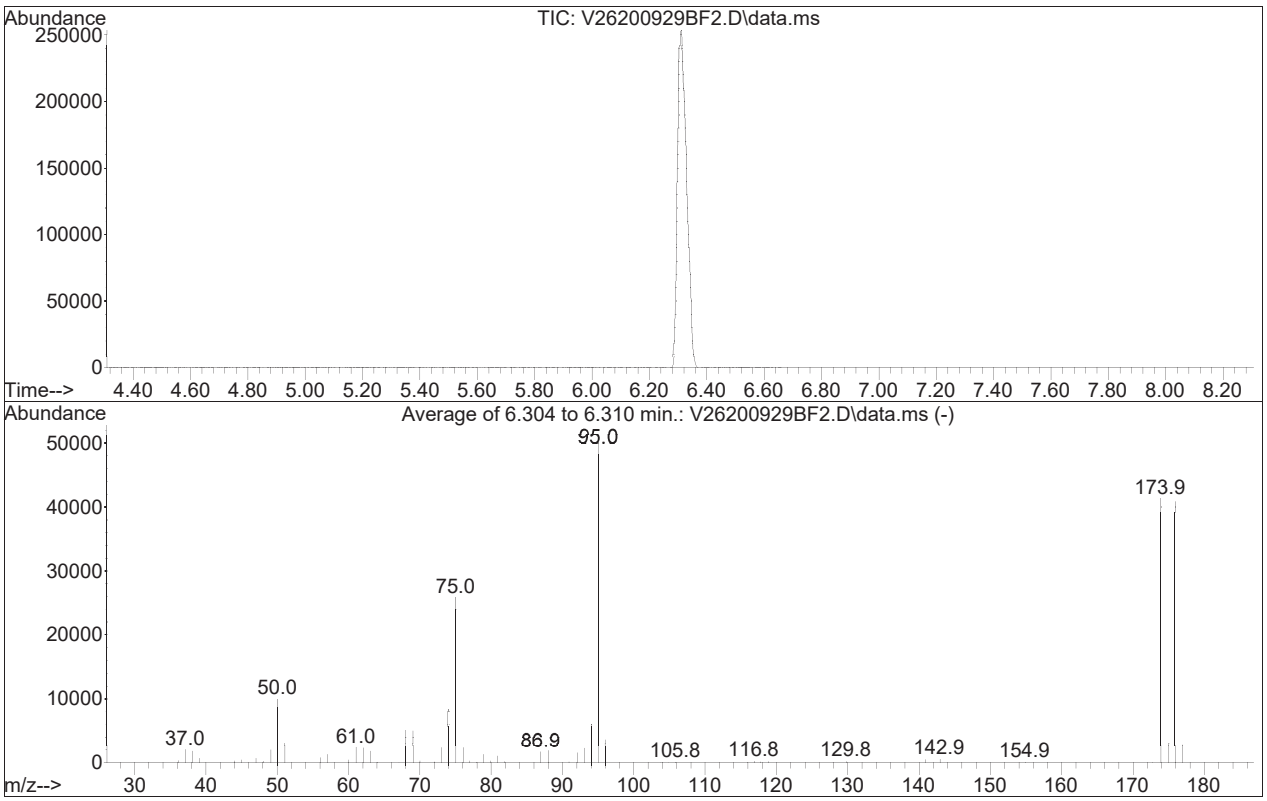
Manual Peak Response = 50061 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929BF2.D
Acq On : 29 Sep 2020 08:25
Operator : VOA126:MV
Sample : WG1416109-1
Misc : WG1416109
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Title : VOLATILES BY GC/MS
Last Update : Fri Jun 05 12:39:47 2020



AutoFind: Scans 2050, 2051, 2052; Background Corrected with Scan 2037

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.8	9963	PASS
75	95	30	60	51.3	25789	PASS
95	95	100	100	100.0	50267	PASS
96	95	5	9	7.1	3583	PASS
173	174	0.00	2	0.3	113	PASS
174	95	50	100	82.1	41272	PASS
175	174	5	9	7.4	3035	PASS
176	174	95	101	98.9	40829	PASS
177	176	5	9	6.9	2797	PASS

Volatiles Raw QC Data

Quantitation Report (LSC Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A05.D
Acq On : 29 Sep 2020 11:28
Operator : VOA126:MV
Sample : WG1416109-5,31,5,5
Misc : WG1416109,ICAL16859
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 29 12:20:33 2020
Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200929A\V26200929A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	11.558	96	243316	20.000	ug/L	0.00
Standard Area 1 = 269604			Recovery =	90.25%		
63) Chlorobenzene-d5	18.259	117	203955	20.000	ug/L	0.00
Standard Area 1 = 217005			Recovery =	93.99%		
88) 1,4-Dichlorobenzene-d4	23.912	152	108899	20.000	ug/L	-0.02
Standard Area 1 = 117842			Recovery =	92.41%		
System Monitoring Compounds						
39) Dibromofluoromethane	9.926	113	67148	21.239	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	106.19%		
47) 1,2-Dichloroethane-d4	10.925	65	68507	21.338	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	106.69%		
65) Toluene-d8	14.896	98	252103	19.792	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.96%		
92) 4-Bromofluorobenzene	21.092	95	104073	19.631	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.16%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
4) Chloromethane	0.000		0	N.D. d		
5) Vinyl chloride	0.000		0	N.D.		
6) Bromomethane	3.964	94	64	N.D.		
7) Chloroethane	0.000		0	N.D.		
8) Trichlorofluoromethane	0.000		0	N.D.		
9) Ethyl ether	0.000		0	N.D.		
11) 1,1-Dichloroethene	0.000		0	N.D.		
12) Carbon disulfide	6.594	76	6081	0.826	ug/L #	81
17) Methylene chloride	6.591	84	167	N.D.		
19) Acetone	5.495	43	1189	Below Cal	#	60
20) trans-1,2-Dichloroethene	0.000		0	N.D.		
23) Methyl tert-butyl ether	0.000		0	N.D.		
26) 1,1-Dichloroethane	0.000		0	N.D.		
28) Acrylonitrile	0.000		0	N.D.		
30) Vinyl acetate	0.000		0	N.D.		
31) cis-1,2-Dichloroethene	0.000		0	N.D.		
32) 2,2-Dichloropropane	0.000		0	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
35) Chloroform	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A05.D
Acq On : 29 Sep 2020 11:28
Operator : VOA126:MV
Sample : WG1416109-5,31,5,5
Misc : WG1416109,ICAL16859
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 29 12:20:33 2020
Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200929A\V26200929A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0		N.D.	
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	0.000		0		N.D.	
43) 1,1-Dichloropropene	0.000		0		N.D.	
45) Benzene	11.114	78	26		N.D.	
48) 1,2-Dichloroethane	0.000		0		N.D.	
52) Trichloroethene	0.000		0		N.D.	
54) Dibromomethane	0.000		0		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
66) Toluene	0.000		0		N.D.	
67) 4-Methyl-2-pentanone	0.000		0		N.D.	
68) Tetrachloroethene	0.000		0		N.D.	
71) trans-1,3-Dichloropropene	0.000		0		N.D.	
75) 1,1,2-Trichloroethane	0.000		0		N.D.	
76) Chlorodibromomethane	0.000		0		N.D.	
77) 1,3-Dichloropropane	0.000		0		N.D.	
78) 1,2-Dibromoethane	0.000		0		N.D.	
80) 2-Hexanone	0.000		0		N.D.	
82) Chlorobenzene	18.346	112	31		N.D.	
83) Ethylbenzene	0.000		0		N.D.	
84) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
85) p/m Xylene	0.000		0		N.D.	
86) o Xylene	0.000		0		N.D.	
87) Styrene	19.754	104	40		N.D.	
89) Bromoform	0.000		0		N.D.	
91) Isopropylbenzene	0.000		0		N.D.	
93) Bromobenzene	0.000		0		N.D.	
95) n-Propylbenzene	0.000		0		N.D.	
97) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
98) 4-Ethyltoluene	21.731	105	27		N.D.	
99) 2-Chlorotoluene	0.000		0		N.D.	
100) 1,3,5-Trimethylbenzene	21.843	105	222		N.D.	
101) 1,2,3-Trichloropropane	0.000		0		N.D.	
102) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
103) 4-Chlorotoluene	21.982	91	28		N.D.	
104) tert-Butylbenzene	0.000		0		N.D.	

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A05.D
Acq On : 29 Sep 2020 11:28
Operator : VOA126:MV
Sample : WG1416109-5,31,5,5
Misc : WG1416109,ICAL16859
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 29 12:20:33 2020
Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200929A\V26200929A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107) 1,2,4-Trimethylbenzene	22.774	105	195	N.D.		
109) sec-Butylbenzene	0.000		0	N.D.		
110) p-Isopropyltoluene	23.535	119	176	N.D.		
111) 1,3-Dichlorobenzene	0.000		0	N.D.		
112) 1,4-Dichlorobenzene	23.993	146	31	N.D.		
115) p-Diethylbenzene	0.000		0	N.D.		
116) n-Butylbenzene	24.511	91	26	N.D.		
118) 1,2-Dichlorobenzene	24.840	146	38	N.D.		
120) 1,2,4,5-Tetramethylben...	26.224	119	136	N.D.		
121) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
124) Hexachlorobutadiene	0.000		0	N.D.		
125) 1,2,4-Trichlorobenzene	28.231	180	111	N.D.		
126) Naphthalene	28.683	128	1297	0.160	ug/L	100
127) 1,2,3-Trichlorobenzene	29.113	180	107	N.D.		

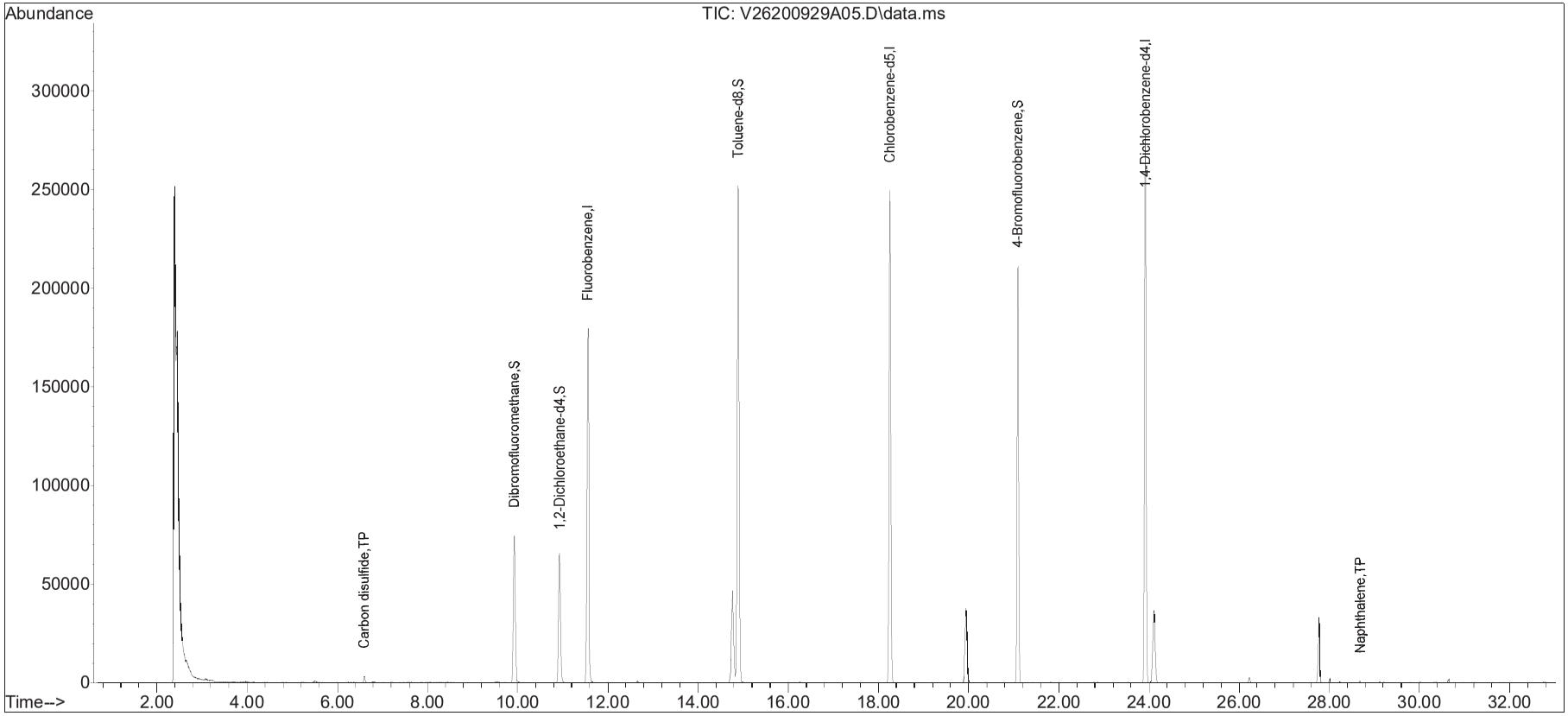
(#) = qualifier out of range (m) = manual integration (+) = signals summed

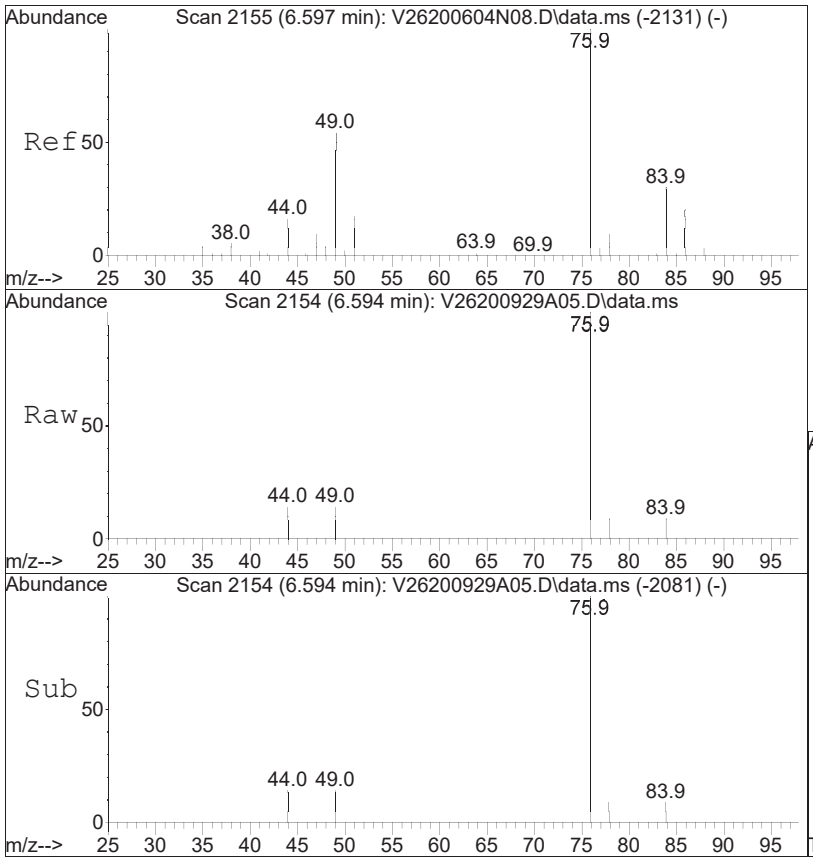
Quantitation Report (LSC Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A05.D
Acq On : 29 Sep 2020 11:28
Operator : VOA126:MV
Sample : WG1416109-5,31,5,5
Misc : WG1416109,ICAL16859
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 29 12:20:33 2020
Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox00929A\V26200929A01.D•

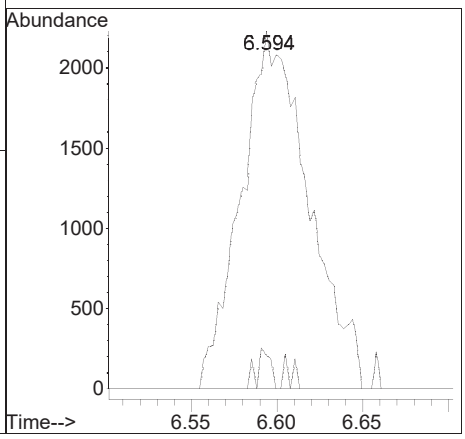


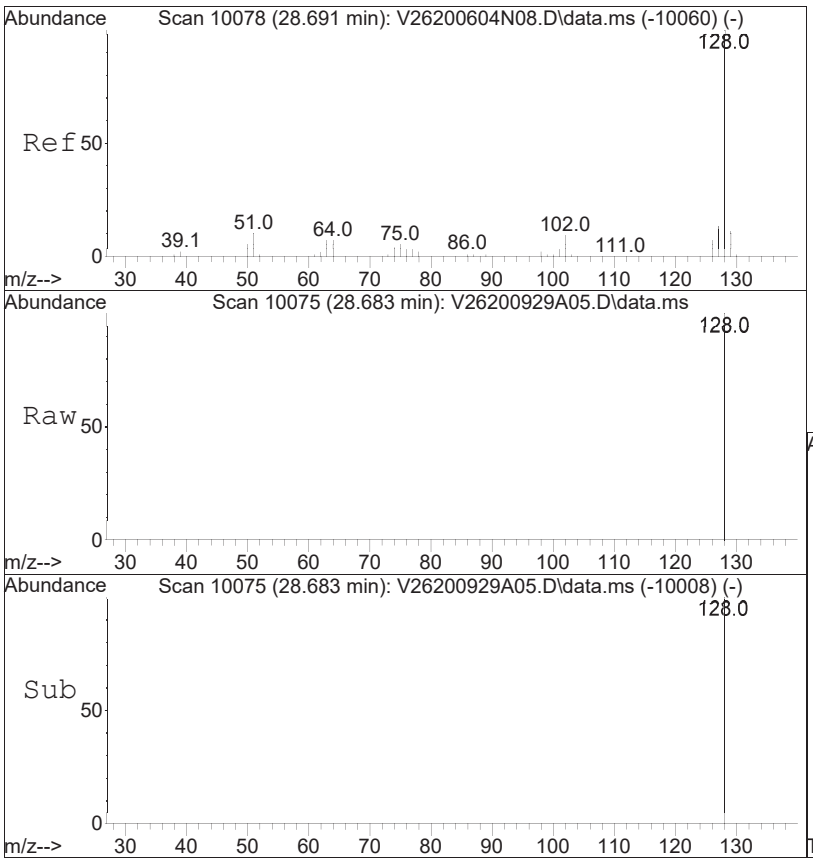


#12
Carbon disulfide
Concen: 0.83 ug/L
RT: 6.594 min Scan# 2154
Delta R.T. 0.003 min
Lab File: V26200929A05.D
Acq: 29 Sep 2020 11:28

Tgt Ion: 76 Resp: 6081

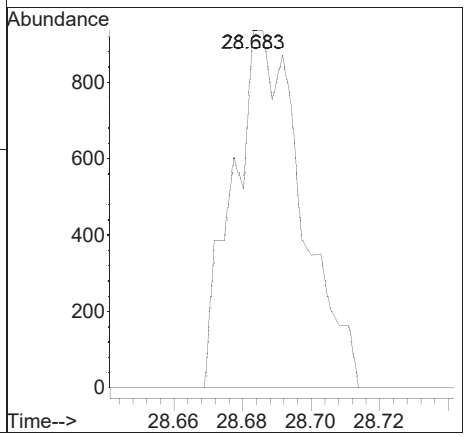
Ion	Ratio	Lower	Upper
76	100		
78	2.3	5.9	12.3#





#126
Naphthalene
Concen: 0.16 ug/L
RT: 28.683 min Scan# 10075
Delta R.T. -0.014 min
Lab File: V26200929A05.D
Acq: 29 Sep 2020 11:28

Tgt Ion:128 Resp: 1297



Manual Integration Report

Data Path	: I:\VOLATILES\VOA126\2020\2	QMethod	: V126_200604N_8260Suff.m
Data File	: V26200929A05.D	Operator	: VOA126:MV
Date Inj'd	: 9/29/2020 11:28	Instrument	: VOA126
Sample	: WG1416109-5,31,5,5	Quant Date	: 9/29/2020 12:12 pm

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A05.D
Acq On : 29 Sep 2020 11:28
Operator : VOA126:MV
Sample : WG1416109-5,31,5,5
Misc : WG1416109,ICAL16859
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.1 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Title : VOLATILES BY GC/MS

Signal : TIC: V26200929A05.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.391	625	647	801	rBV2	251610	1613649	100.00%	29.573%
2	9.926	3324	3349	3382	rBV2	74745	216663	13.43%	3.971%
3	10.922	3685	3706	3739	rBV2	65677	172665	10.70%	3.164%
4	11.561	3909	3935	3978	rBV	179617	511858	31.72%	9.381%
5	14.776	5055	5088	5111	rBV3	46613	186568	11.56%	3.419%
6	14.896	5111	5131	5175	rVB	252038	674604	41.81%	12.363%
7	18.259	6315	6337	6366	rBB2	249535	611498	37.90%	11.207%
8	19.943	6915	6941	6968	rBB7	37872	127251	7.89%	2.332%
9	21.098	7333	7355	7376	rBB3	211049	495323	30.70%	9.078%
10	23.915	8344	8365	8387	rBB3	278619	642407	39.81%	11.773%
11	24.107	8407	8434	8464	rBB	36657	121126	7.51%	2.220%
12	27.768	9725	9747	9768	rBB2	33126	82973	5.14%	1.521%

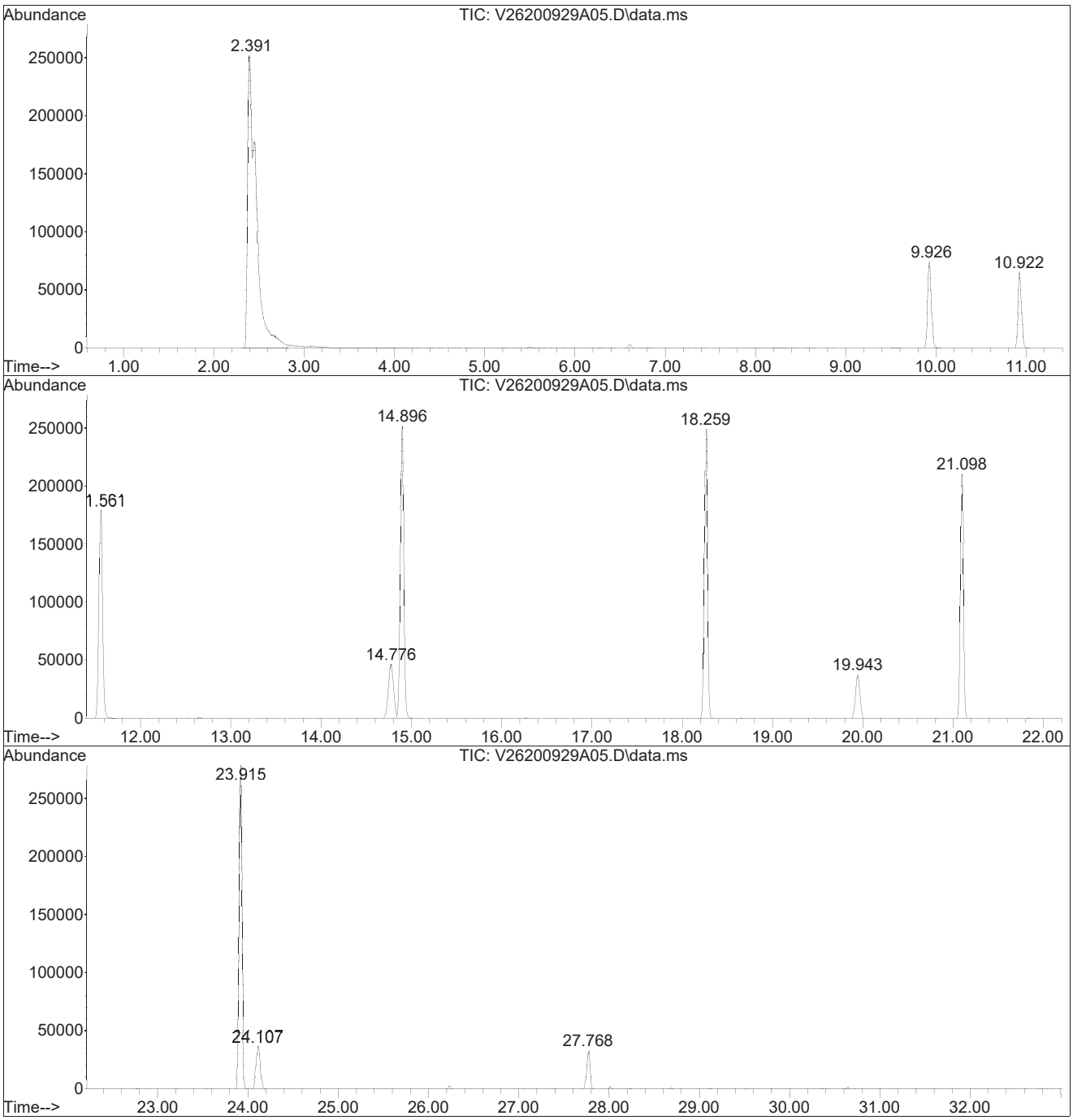
Sum of corrected areas: 5456585

LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A05.D
Acq On : 29 Sep 2020 11:28
Operator : VOA126:MV
Sample : WG1416109-5,31,5,5
Misc : WG1416109,ICAL16859
ALS Vial : 5 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A05.D
Acq On : 29 Sep 2020 11:28
Operator : VOA126:MV
Sample : WG1416109-5,31,5,5
Misc : WG1416109,ICAL16859
ALS Vial : 5 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS

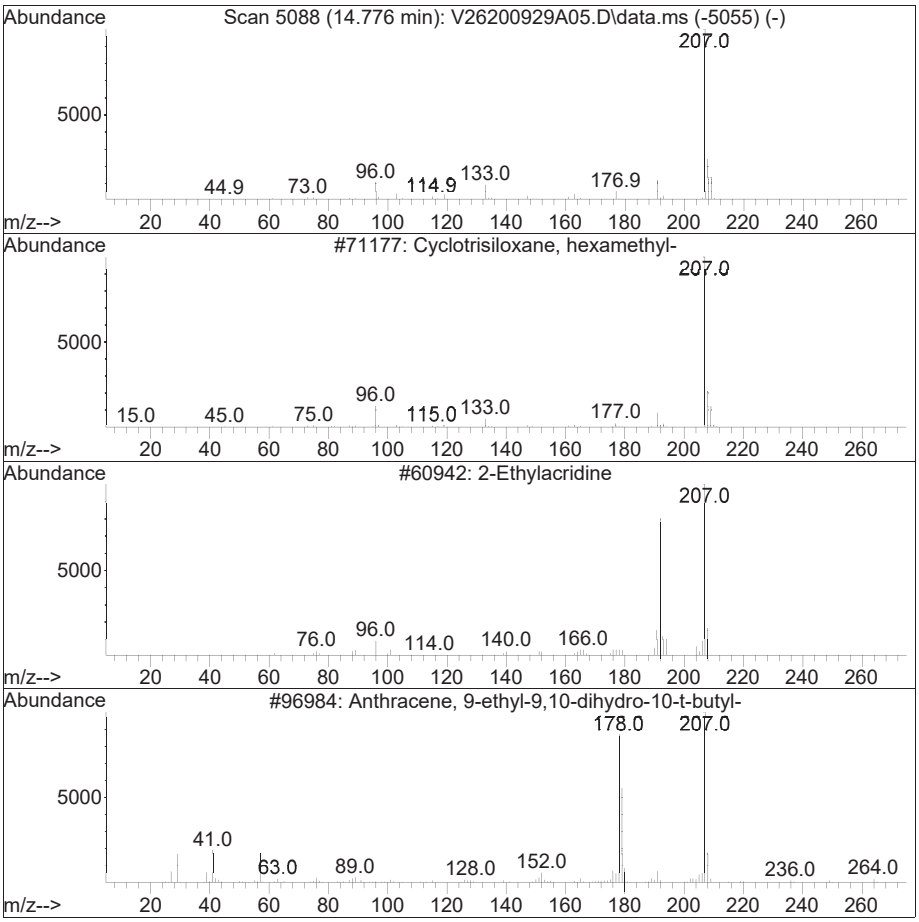
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

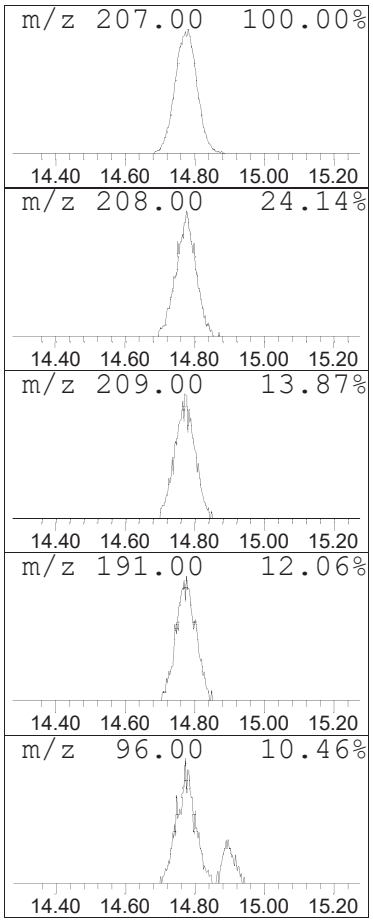
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Peak Number 2 Cyclotrisiloxane, hexamethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.776	7.29 ug/L	186568	Fluorobenzene	11.558

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	90
2	2-Ethylacridine	207	C15H13N	055751-83-2	42
3	Anthracene, 9-ethyl-9,10-dihydro...	264	C20H24	1000154-57-7	38
4	2-Amino-4-hydroxy-6,8-dimethyl-7...	207	C8H9N5O2	025477-64-9	25
5	1,2,4-Triazol-3-amine, 5-(1,3,5-...	207	C8H13N7	1000264-16-7	9





Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A05.D
Acq On : 29 Sep 2020 11:28
Operator : VOA126:MV
Sample : WG1416109-5,31,5,5
Misc : WG1416109,ICAL16859
ALS Vial : 5 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS

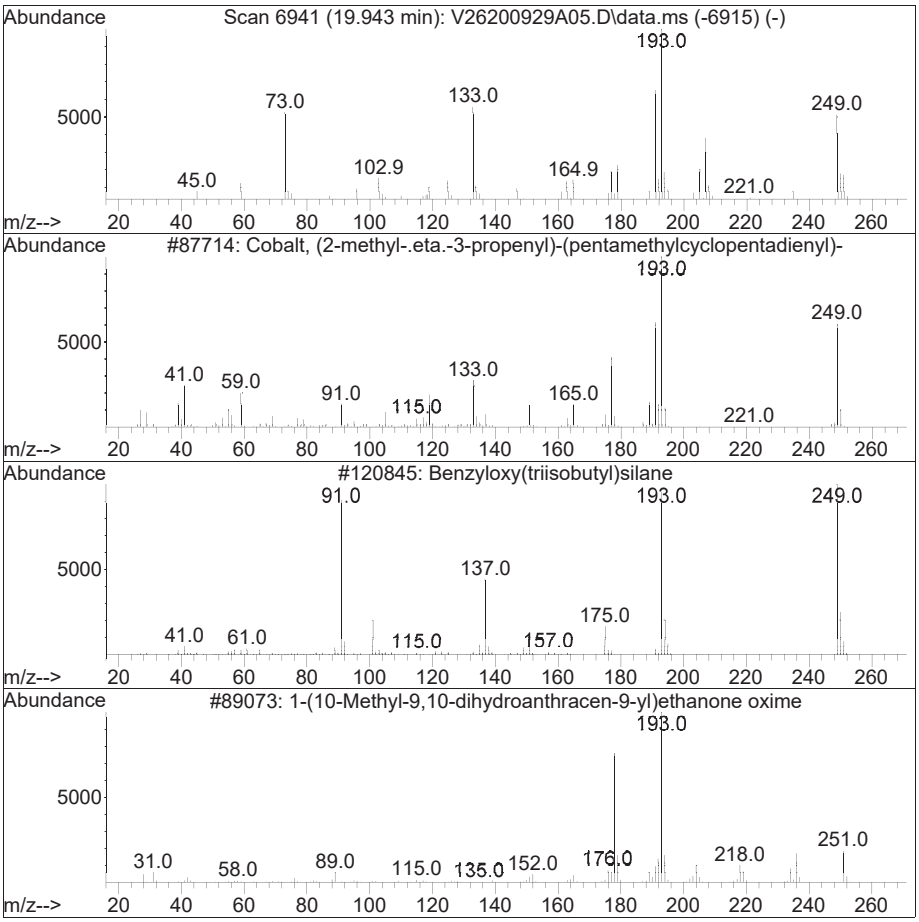
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

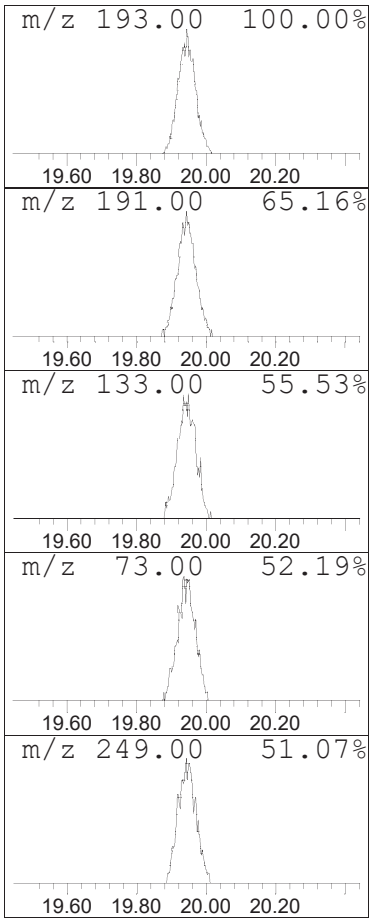
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Peak Number 3 Unknown Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.943	4.16 ug/L	127251	Chlorobenzene-d5	18.259

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cobalt, (2-methyl-.eta.-3-propen...	249	C14H22Co	1000157-04-3	53
2	Benzyloxy(triisobutyl)silane	306	C19H34OSi	1000282-18-0	38
3	1-(10-Methyl-9,10-dihydroanthrac...	251	C17H17NO	1000210-33-6	30
4	Trisiloxane, 1,1,3,3,5,5-hexamet...	208	C6H20O2Si3	001189-93-1	27
5	1,4-Cyclopentadiene-1-carboxylic...	193	C11H15NO2	014485-75-7	22





Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A05.D
Acq On : 29 Sep 2020 11:28
Operator : VOA126:MV
Sample : WG1416109-5,31,5,5
Misc : WG1416109,ICAL16859
ALS Vial : 5 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS

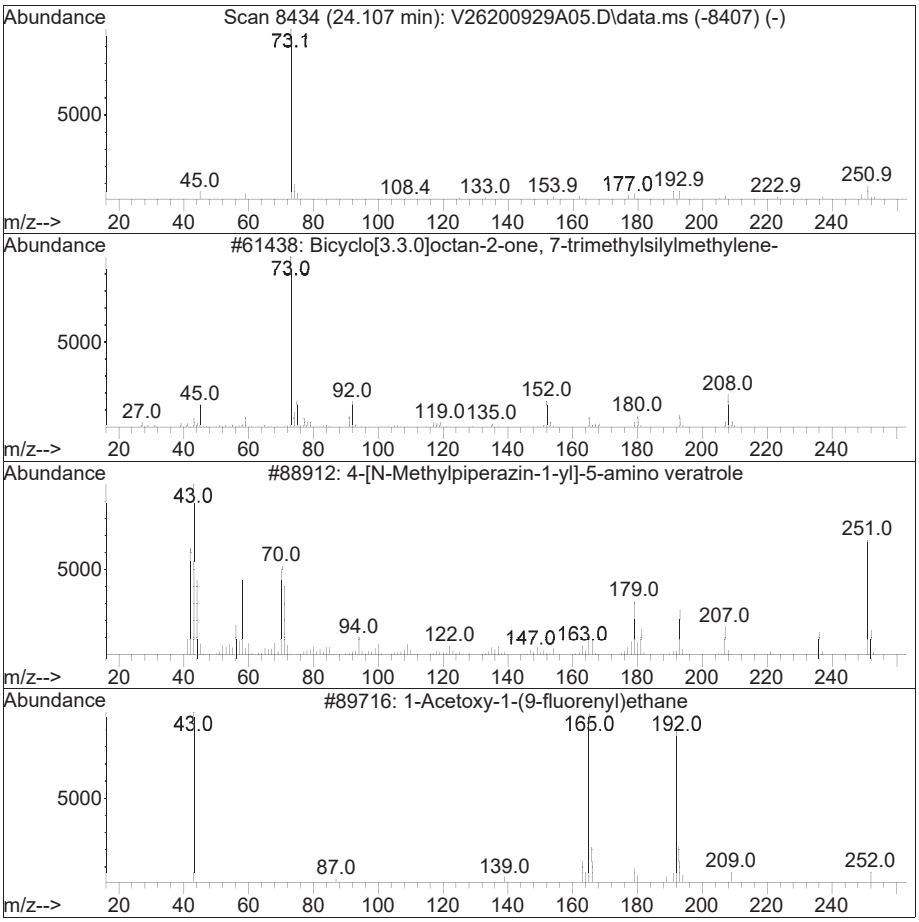
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

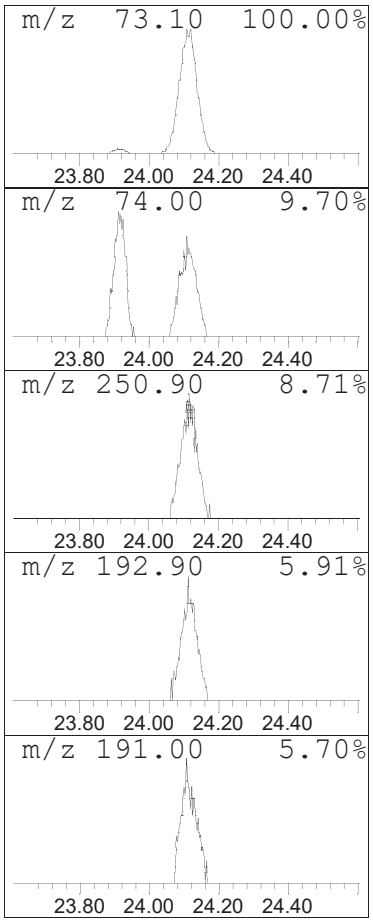
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Peak Number 4 Unknown Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.107	3.77 ug/L	121126	1,4-Dichlorobenzene-d4	23.912

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.3.0]octan-2-one, 7-tri...	208	C12H20OSi	109613-14-1	17
2	4-[N-Methylpiperazin-1-yl]-5-ami...	251	C13H21N3O2	030058-30-1	9
3	1-Acetoxy-1-(9-fluorenyl)ethane	252	C17H16O2	063839-88-3	9
4	Spiro[2.4]hept-5-ene, 5-trimethy...	252	C14H28Si2	1000153-96-9	9
5	Bicyclo[5.3.0]decan-2-one, 9-met...	236	C14H24OSi	1000153-97-3	9





Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A05.D
Acq On : 29 Sep 2020 11:28
Operator : VOA126:MV
Sample : WG1416109-5,31,5,5
Misc : WG1416109,ICAL16859
ALS Vial : 5 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS

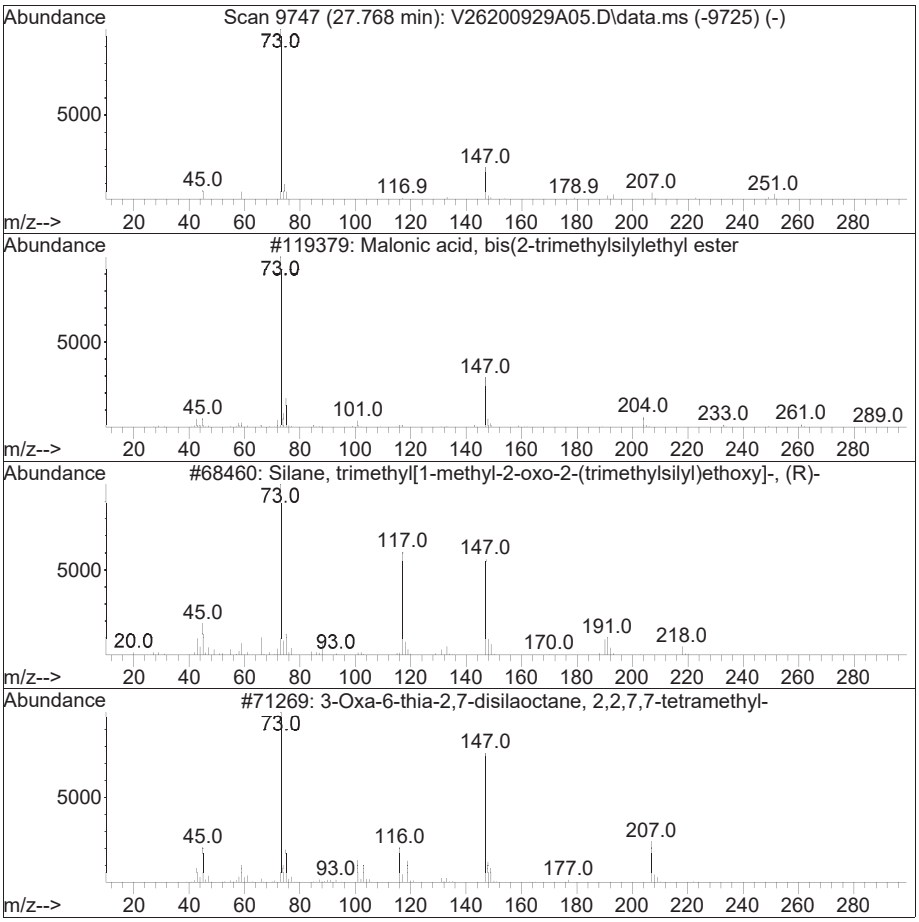
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TIC Integration Parameters: rteint.p

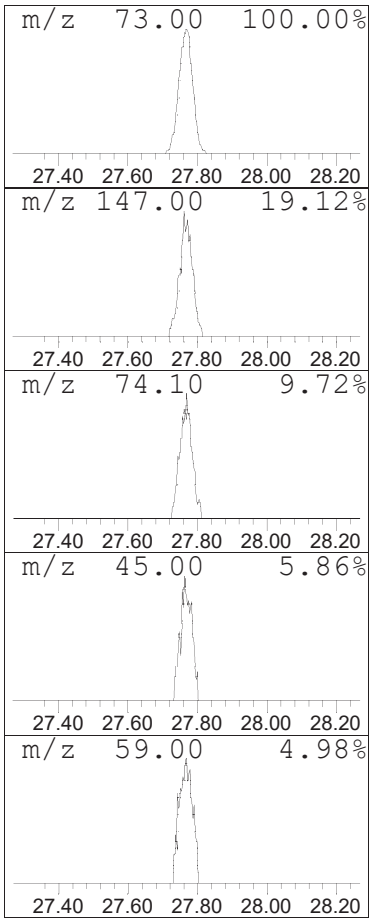
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Peak Number 5 Unknown Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.769	2.58 ug/L	82973	1,4-Dichlorobenzene-d4	23.912

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Malonic acid, bis(2-trimethylsil...	304	C13H28O4Si2	090744-45-9	38
2	Silane, trimethyl[1-methyl-2-oxo...	218	C9H22O2Si2	055255-93-1	38
3	3-Oxa-6-thia-2,7-disilaoctane, 2...	222	C8H22OSSi2	078921-31-0	37
4	Butanoic acid, 3-methyl-2-[(trim...	262	C11H26O3Si2	055124-92-0	28
5	Silane, trimethyl[1-phenyl-2-[2-...	304	C17H28OSi2	097778-19-3	28





Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A05.D
Acq On : 29 Sep 2020 11:28
Operator : VOA126:MV
Sample : WG1416109-5,31,5,5
Misc : WG1416109,ICAL16859
ALS Vial : 5 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclotrisiloxan...	14.776	7.3	ug/L	186568	1	11.558	511858	20.0
Unknown	19.943	4.2	ug/L	127251	2	18.259	611498	20.0
Unknown	24.107	3.8	ug/L	121126	3	23.912	642407	20.0
Unknown	27.769	2.6	ug/L	82973	3	23.912	642407	20.0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A01.D
Acq On : 29 Sep 2020 08:50
Operator : VOA126:MV
Sample : WG1416109-3,31,5,5
Misc : WG1416109,ICAL16859
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 29 12:27:46 2020
Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200929A\V26200929A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	11.555	96	269604	20.000	ug/L	0.00
Standard Area 1 = 269604			Recovery = 100.00%			
63) Chlorobenzene-d5	18.256	117	217005	20.000	ug/L	-0.01
Standard Area 1 = 217005			Recovery = 100.00%			
88) 1,4-Dichlorobenzene-d4	23.914	152	117842	20.000	ug/L	-0.01
Standard Area 1 = 117842			Recovery = 100.00%			
System Monitoring Compounds						
39) Dibromofluoromethane	9.912	113	72370	20.659	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.30%			
47) 1,2-Dichloroethane-d4	10.916	65	71634	20.136	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.68%			
65) Toluene-d8	14.893	98	271275	20.016	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.08%			
92) 4-Bromofluorobenzene	21.095	95	112244	19.566	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.83%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.690	85	87063	43.371	ug/L #	90
4) Chloromethane	3.072	50	101560	26.101	ug/L	97
5) Vinyl chloride	3.236	62	100186	34.373	ug/L	99
6) Bromomethane	3.961	94	67832	31.630	ug/L	93
7) Chloroethane	4.104	64	71073	31.388	ug/L	98
8) Trichlorofluoromethane	4.544	101	186391	46.305	ug/L	99
9) Ethyl ether	5.094	74	48947	36.250	ug/L	92
11) 1,1-Dichloroethene	5.671	96	95798	38.813	ug/L	94
12) Carbon disulfide	6.588	76	243504	29.862	ug/L	100
17) Methylene chloride	6.594	84	104523	34.022	ug/L	97
19) Acetone	5.487	43	26721M1	30.656	ug/L	
20) trans-1,2-Dichloroethene	7.154	96	107647	36.711	ug/L	96
23) Methyl tert-butyl ether	6.890	73	278899	41.082	ug/L	95
26) 1,1-Dichloroethane	7.991	63	196587	31.485	ug/L	98
28) Acrylonitrile	6.867	53	29370M1	29.941	ug/L	
30) Vinyl acetate	8.008	43	168476	29.309	ug/L	97
31) cis-1,2-Dichloroethene	9.176	96	119093	36.410	ug/L	99
32) 2,2-Dichloropropane	9.073	77	168618	41.265	ug/L	88
33) Bromochloromethane	9.812	128	52588	37.641	ug/L	96
35) Chloroform	9.483	83	204555	36.909	ug/L	97

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A01.D
Acq On : 29 Sep 2020 08:50
Operator : VOA126:MV
Sample : WG1416109-3,31,5,5
Misc : WG1416109,ICAL16859
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 29 12:27:46 2020
Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200929A\V26200929A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) Carbon tetrachloride	10.763	117	175559	43.991	ug/L		99
40) 1,1,1-Trichloroethane	10.267	97	193221	42.339	ug/L		97
42) 2-Butanone	8.844	43	32177	27.501	ug/L		97
43) 1,1-Dichloropropene	10.585	75	151229	40.184	ug/L		99
45) Benzene	11.120	78	409601	34.409	ug/L		99
48) 1,2-Dichloroethane	11.106	62	150652	35.433	ug/L		99
52) Trichloroethene	12.364	95	118488	38.255	ug/L		98
54) Dibromomethane	13.337	93	59360	36.897	ug/L		94
55) 1,2-Dichloropropane	12.743	63	111289	30.487	ug/L		97
58) Bromodichloromethane	13.225	83	160842	40.434	ug/L	#	98
61) 1,4-Dioxane	13.290	88	50061M1	2223.005	ug/L		
62) cis-1,3-Dichloropropene	14.386	75	167262	37.318	ug/L		93
66) Toluene	15.060	92	277487	37.590	ug/L		99
67) 4-Methyl-2-pentanone	13.951	58	36676	34.244	ug/L	#	74
68) Tetrachloroethene	16.488	166	130147	41.298	ug/L		100
71) trans-1,3-Dichloropropene	15.487	75	148565	41.048	ug/L		86
75) 1,1,2-Trichloroethane	15.822	83	71764	38.993	ug/L		98
76) Chlorodibromomethane	16.946	129	119171	44.711	ug/L		99
77) 1,3-Dichloropropane	16.385	76	146858	38.820	ug/L		99
78) 1,2-Dibromoethane	17.403	107	86439	41.153	ug/L		100
80) 2-Hexanone	15.847	43	58370	32.462	ug/L	#	90
82) Chlorobenzene	18.343	112	313780	37.978	ug/L		99
83) Ethylbenzene	18.474	91	546827	39.407	ug/L		95
84) 1,1,1,2-Tetrachloroethane	18.451	131	123899	44.731	ug/L		97
85) p/m Xylene	18.649	106	417759	78.471	ug/L		83
86) o Xylene	19.659	106	389263	76.877	ug/L		81
87) Styrene	19.748	104	678391	80.529	ug/L		99
89) Bromoform	20.521	173	77062	47.081	ug/L		100
91) Isopropylbenzene	20.498	105	566308	39.973	ug/L		95
93) Bromobenzene	21.536	156	137250	39.929	ug/L		99
95) n-Propylbenzene	21.452	91	651951	38.658	ug/L		96
97) 1,1,2,2-Tetrachloroethane	20.931	83	104152	38.110	ug/L		99
98) 4-Ethyltoluene	21.728	105	555135	39.565	ug/L		95
99) 2-Chlorotoluene	21.859	91	445084	39.876	ug/L		95
100) 1,3,5-Trimethylbenzene	21.837	105	480280	40.379	ug/L		94
101) 1,2,3-Trichloropropane	21.276	75	81632	39.771	ug/L		96
102) trans-1,4-Dichloro-2-b...	21.463	53	30214	32.902	ug/L		90
103) 4-Chlorotoluene	21.979	91	412976	39.357	ug/L		95
104) tert-Butylbenzene	22.679	119	415638	41.268	ug/L		96

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A01.D
Acq On : 29 Sep 2020 08:50
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Sample : WG1416109-3,31,5,5
Misc : WG1416109,ICAL16859
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 29 12:27:46 2020
Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200929A\V26200929A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107)	1,2,4-Trimethylbenzene	22.771	105	473124	39.697	ug/L	93
109)	sec-Butylbenzene	23.192	105	615550	40.749	ug/L	96
110)	p-Isopropyltoluene	23.532	119	533851	41.026	ug/L	97
111)	1,3-Dichlorobenzene	23.730	146	265468	38.832	ug/L	99
112)	1,4-Dichlorobenzene	23.987	146	264606	39.163	ug/L	99
115)	p-Diethylbenzene	24.531	119	320766	40.297	ug/L	98
116)	n-Butylbenzene	24.506	91	566641	38.281	ug/L	97
118)	1,2-Dichlorobenzene	24.840	146	241573	39.338	ug/L	99
120)	1,2,4,5-Tetramethylben...	26.224	119	489284	41.244	ug/L	94
121)	1,2-Dibromo-3-chloropr...	26.569	155	18590	43.108	ug/L	98
124)	Hexachlorobutadiene	28.485	225	108993	49.607	ug/L	99
125)	1,2,4-Trichlorobenzene	28.234	180	172502	40.387	ug/L	99
126)	Naphthalene	28.686	128	339652	38.622	ug/L	100
127)	1,2,3-Trichlorobenzene	29.118	180	157197	41.428	ug/L	99

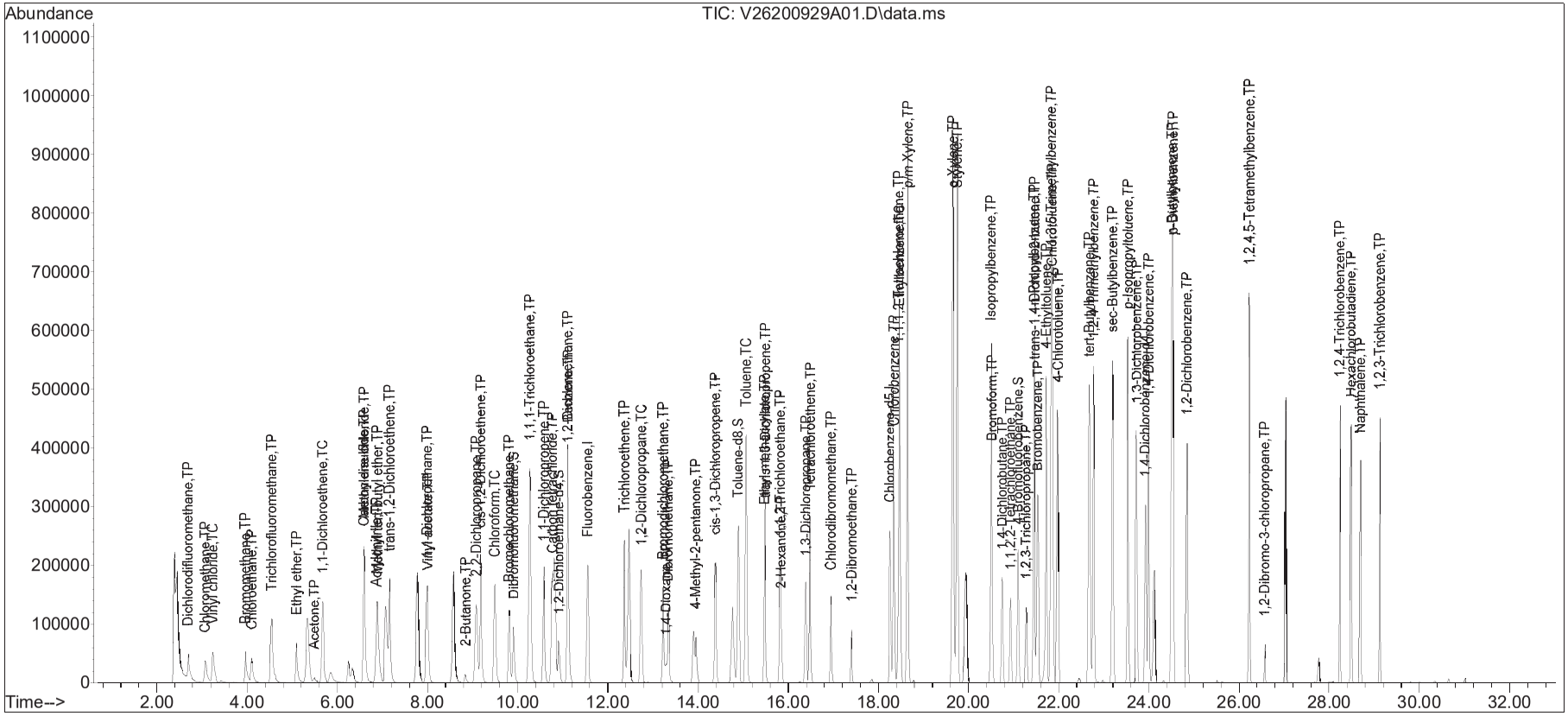
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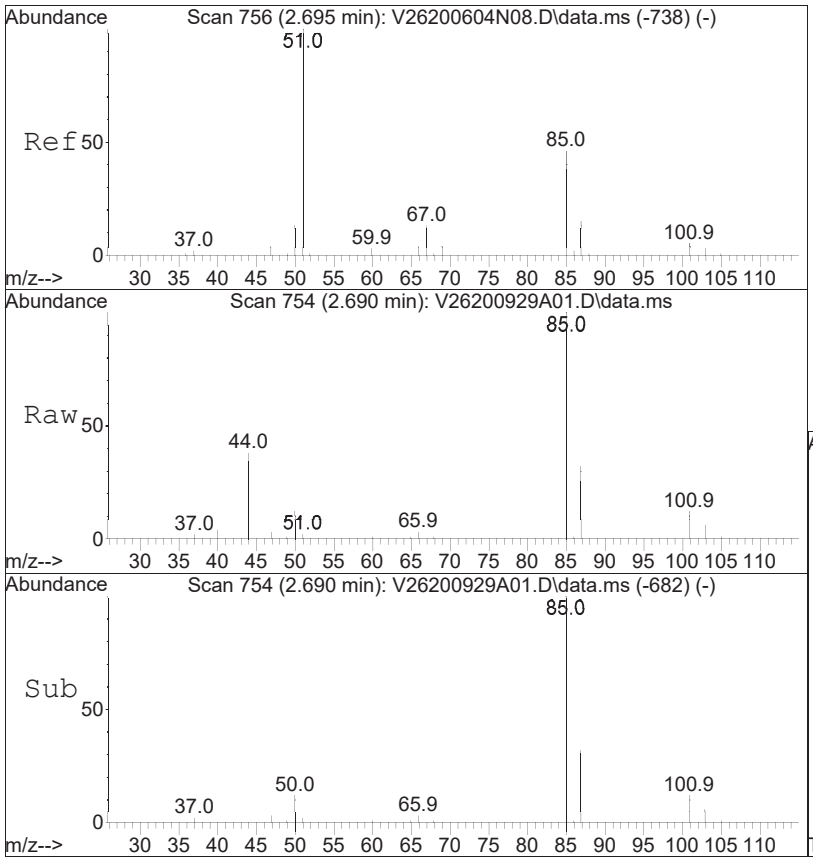
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A01.D
Acq On : 29 Sep 2020 08:50
Operator : VOA126:MV
Sample : WG1416109-3,31,5,5
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ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 29 12:27:46 2020
Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox00929A\V26200929A01.D•

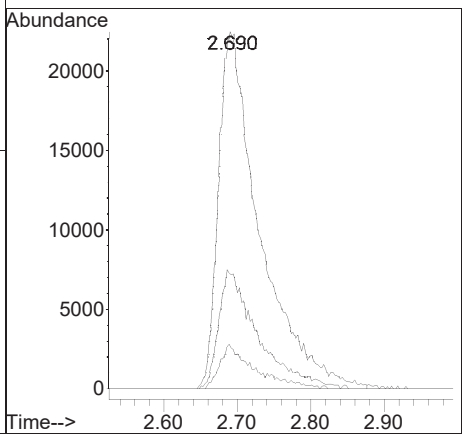


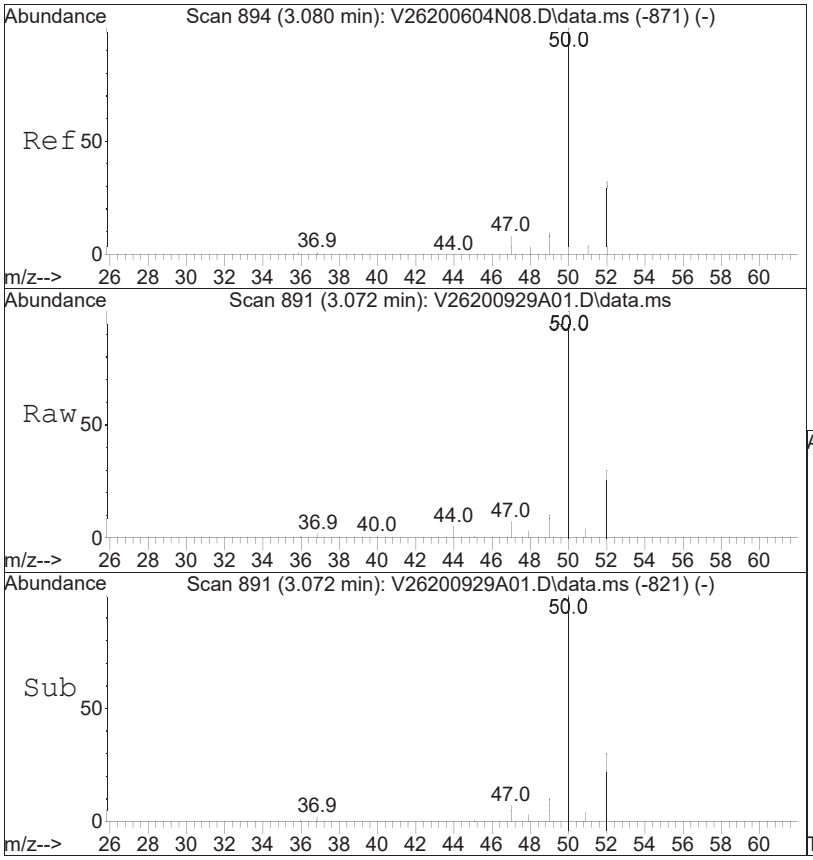


#2
Dichlorodifluoromethane
Concen: 43.37 ug/L
RT: 2.690 min Scan# 754
Delta R.T. -0.000 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 85 Resp: 87063

Ion	Ratio	Lower	Upper
85	100		
87	31.8	21.1	43.7
50	10.7	14.2	29.4#

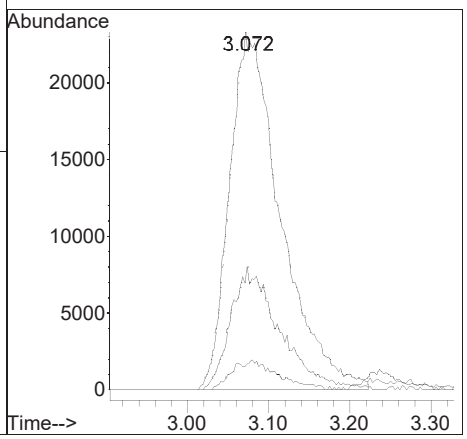


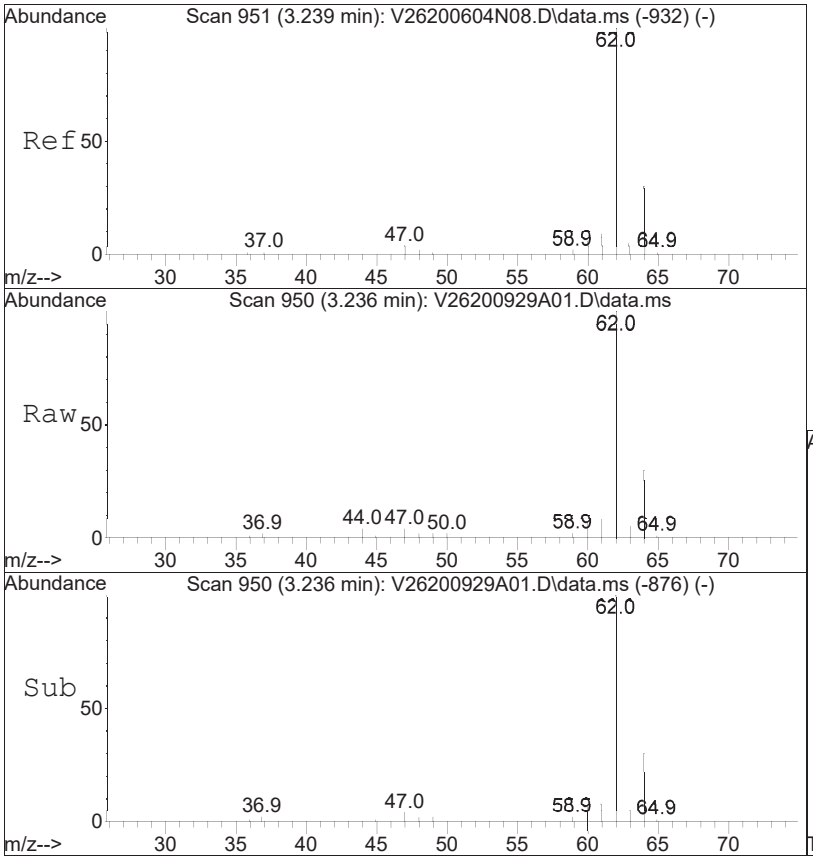


#4
Chloromethane
Concen: 26.10 ug/L
RT: 3.072 min Scan# 891
Delta R.T. -0.006 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 50 Resp: 101560

Ion	Ratio	Lower	Upper
50	100		
52	32.7	12.5	52.5
47	2.5	0.0	27.8

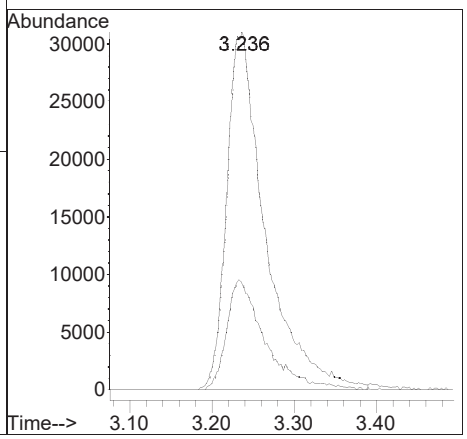


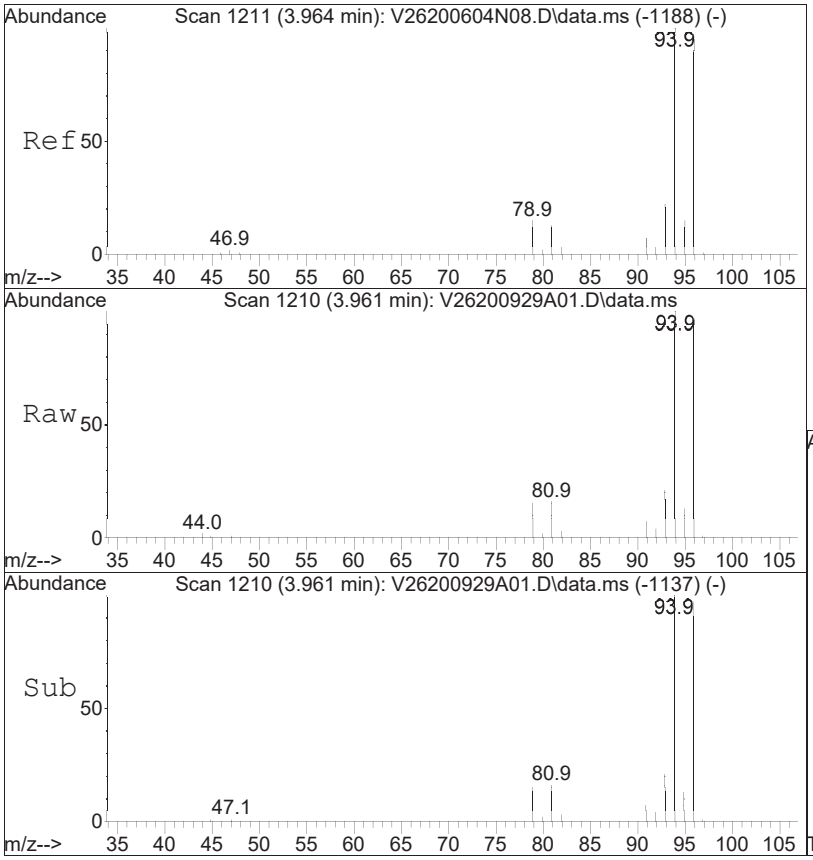


#5
Vinyl chloride
Concen: 34.37 ug/L
RT: 3.236 min Scan# 950
Delta R.T. 0.006 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 62 Resp: 100186

Ion	Ratio	Lower	Upper
62	100		
64	30.7	11.3	51.3

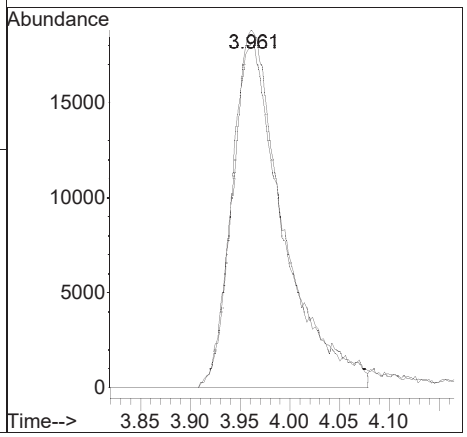


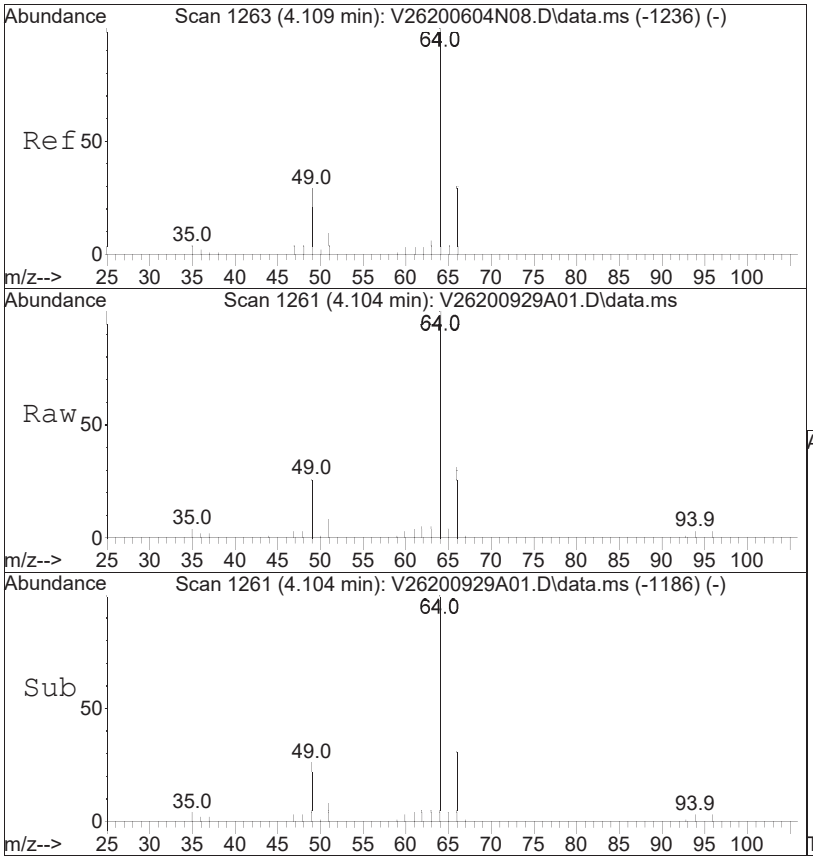


#6
Bromomethane
Concen: 31.63 ug/L
RT: 3.961 min Scan# 1210
Delta R.T. 0.003 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 94 Resp: 67832

Ion	Ratio	Lower	Upper
94	100		
96	98.1	71.1	111.1

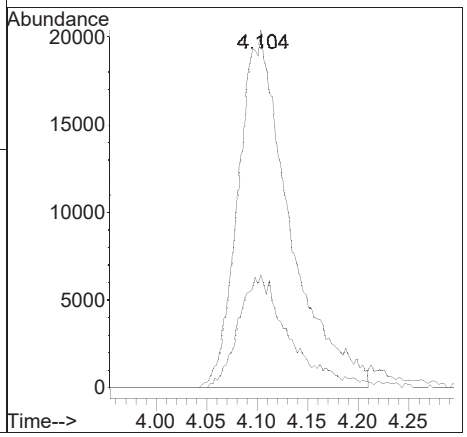


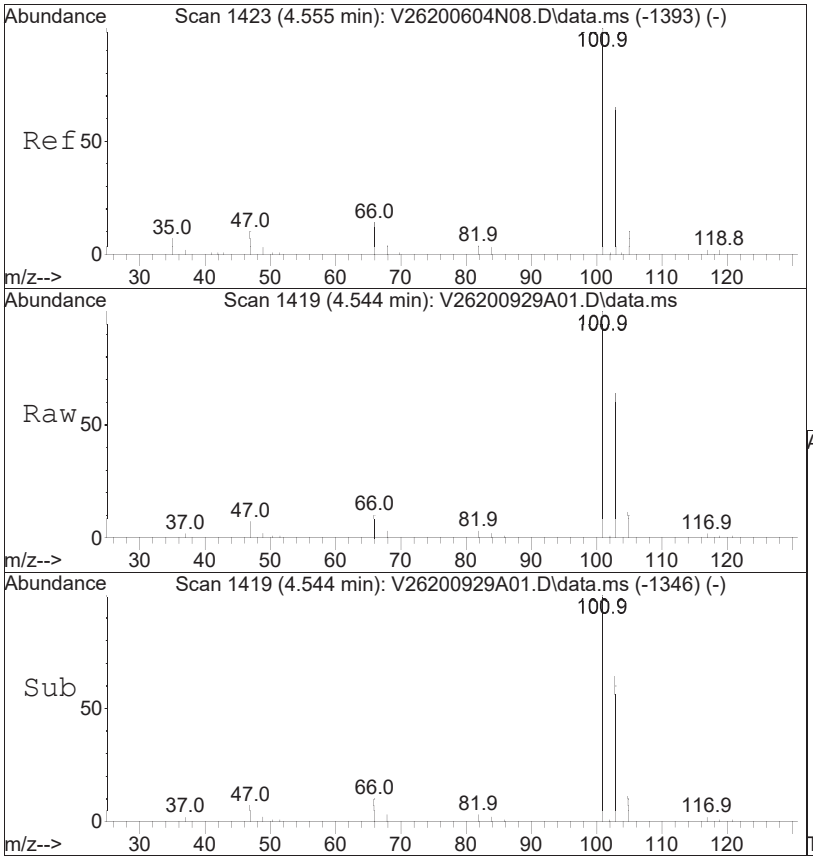


#7
Chloroethane
Concen: 31.39 ug/L
RT: 4.104 min Scan# 1261
Delta R.T. 0.008 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 64 Resp: 71073

Ion	Ratio	Lower	Upper
64	100		
66	30.4	11.3	51.3

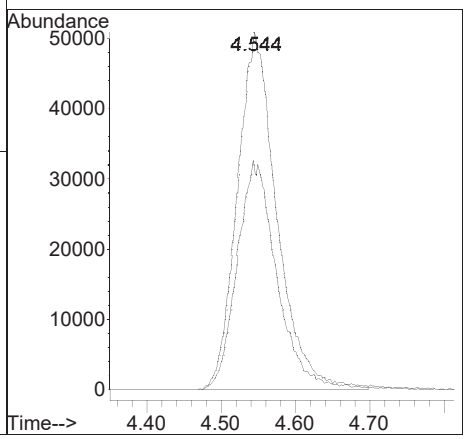


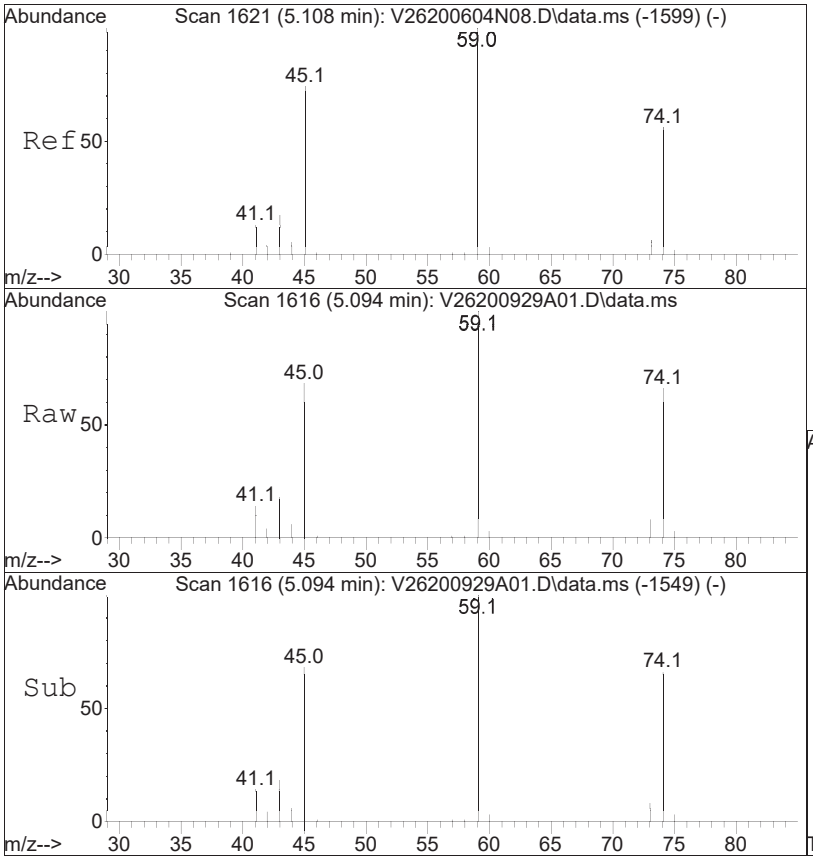


#8
Trichlorofluoromethane
Concen: 46.31 ug/L
RT: 4.544 min Scan# 1419
Delta R.T. 0.003 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion:101 Resp: 186391

Ion	Ratio	Lower	Upper
101	100		
103	64.1	50.5	75.7

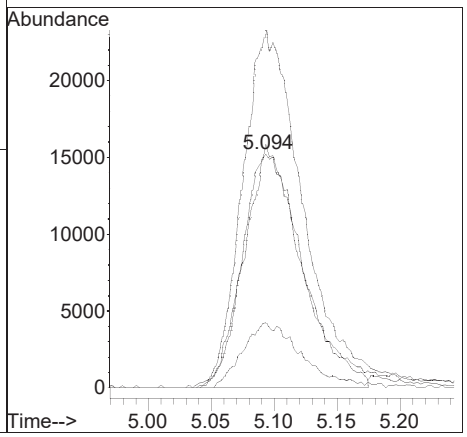


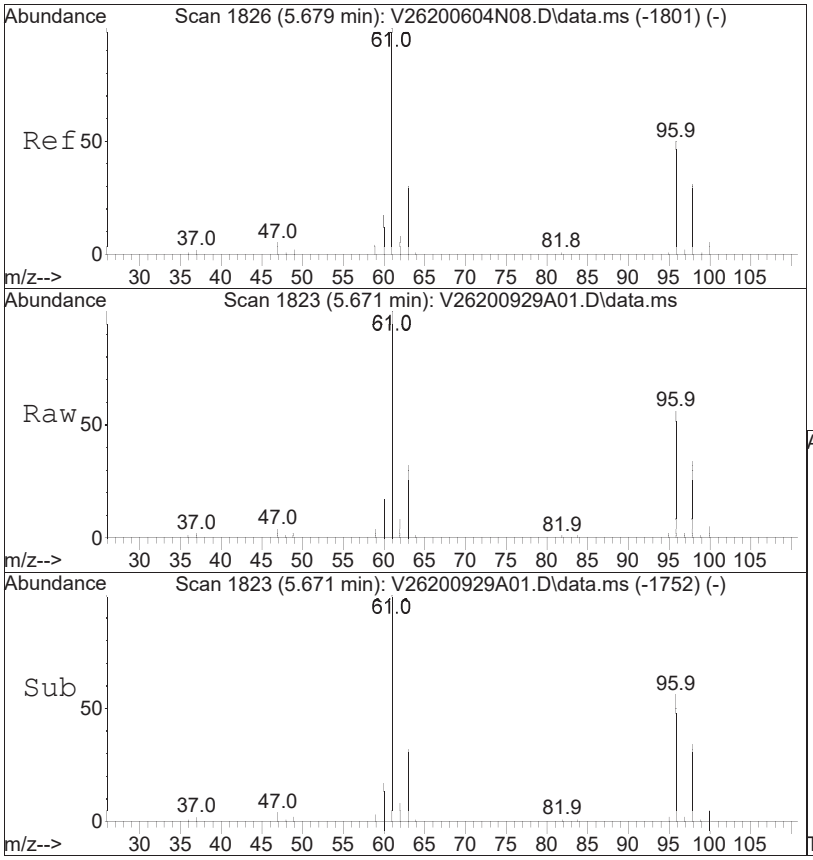


#9
Ethyl ether
Concen: 36.25 ug/L
RT: 5.094 min Scan# 1616
Delta R.T. -0.014 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 74 Resp: 48947

Ion	Ratio	Lower	Upper
74	100		
59	161.6	93.6	194.4
45	111.3	70.7	146.9
43	28.4	19.2	40.0

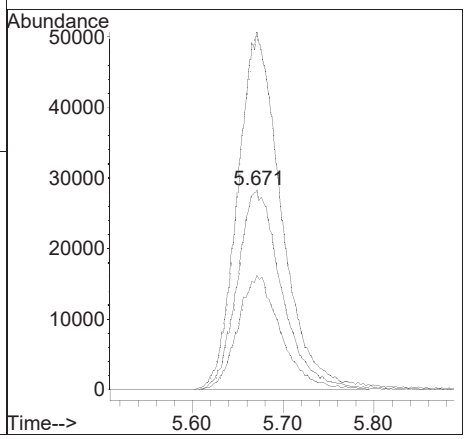


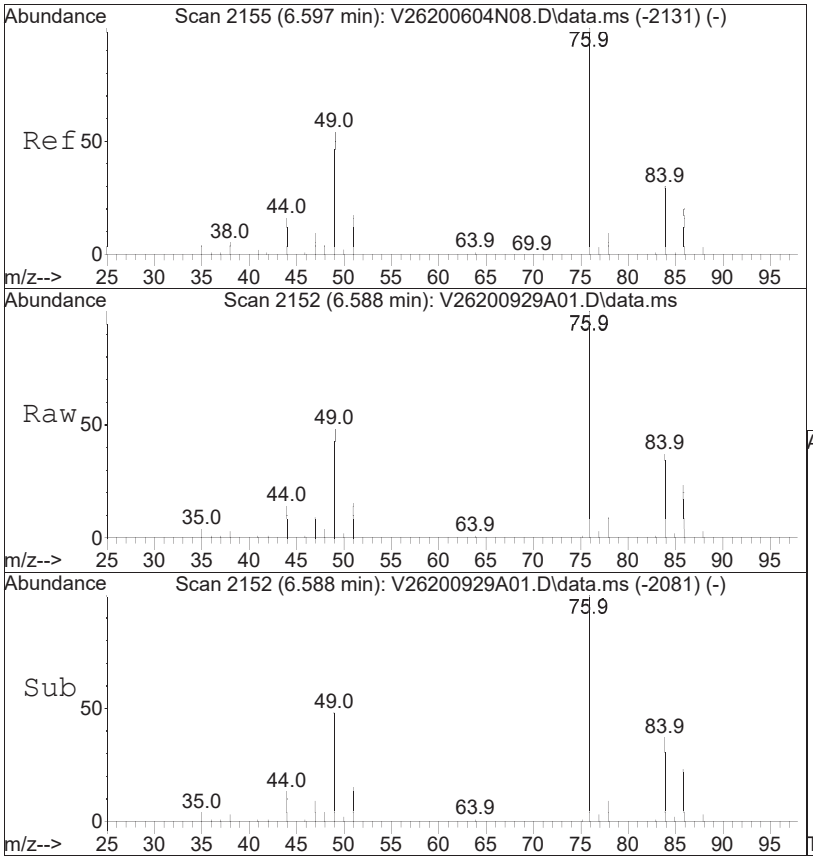


#11
1,1-Dichloroethene
Concen: 38.81 ug/L
RT: 5.671 min Scan# 1823
Delta R.T. -0.003 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 96 Resp: 95798

Ion	Ratio	Lower	Upper
96	100		
61	176.6	133.8	200.8
63	55.3	42.6	63.8

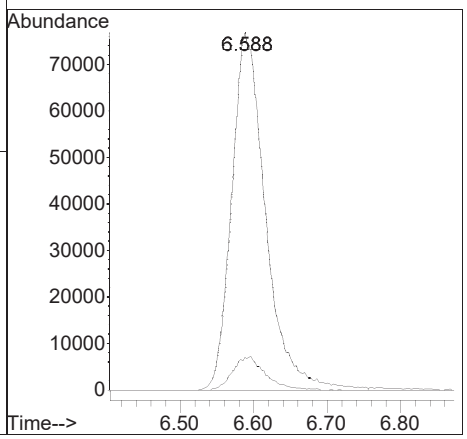


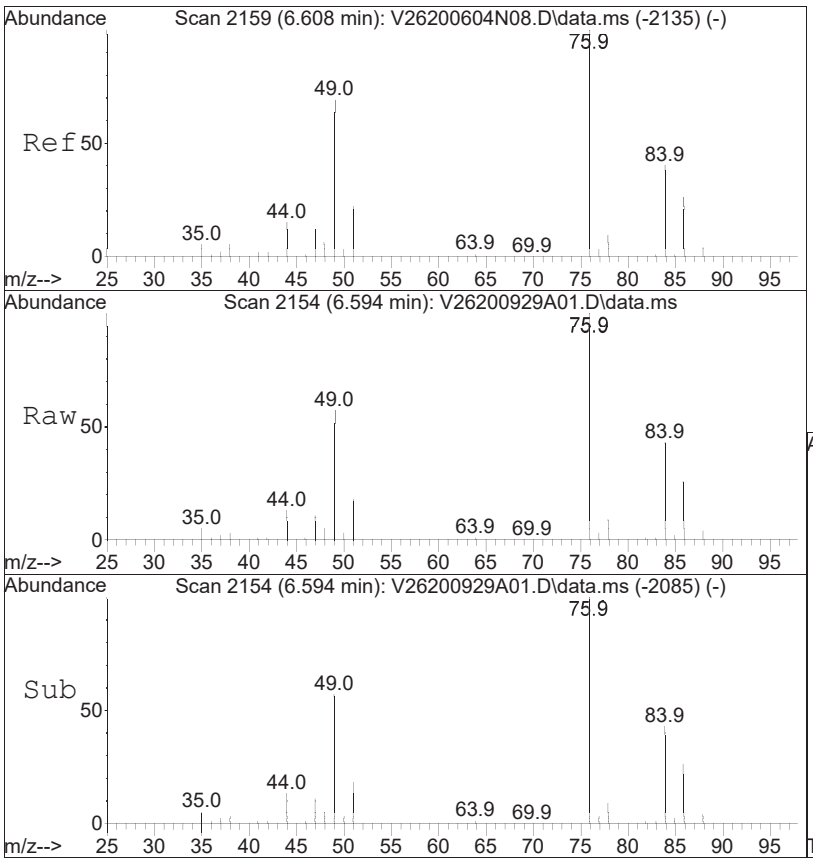


#12
Carbon disulfide
Concen: 29.86 ug/L
RT: 6.588 min Scan# 2152
Delta R.T. -0.003 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 76 Resp: 243504

Ion	Ratio	Lower	Upper
76	100		
78	9.0	5.9	12.3

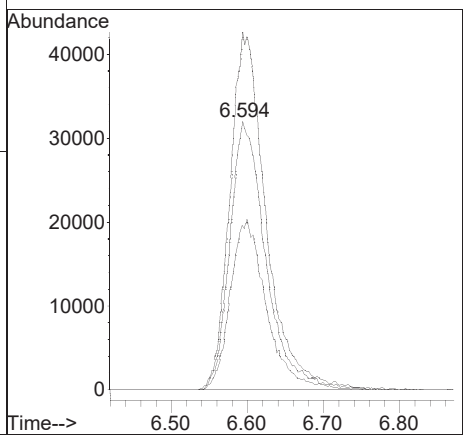


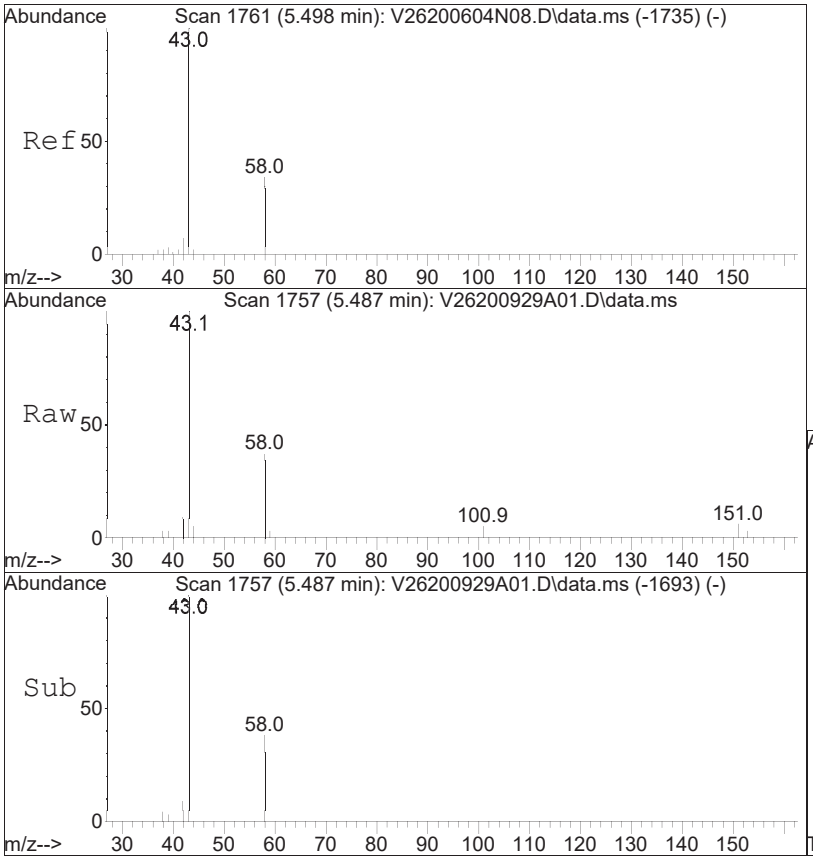


#17
Methylene chloride
Concen: 34.02 ug/L
RT: 6.594 min Scan# 2154
Delta R.T. -0.008 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 84 Resp: 104523

Ion	Ratio	Lower	Upper
84	100		
86	62.7	41.9	87.1
49	131.8	88.1	183.1

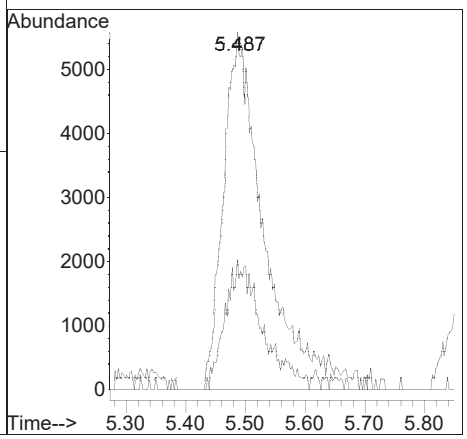


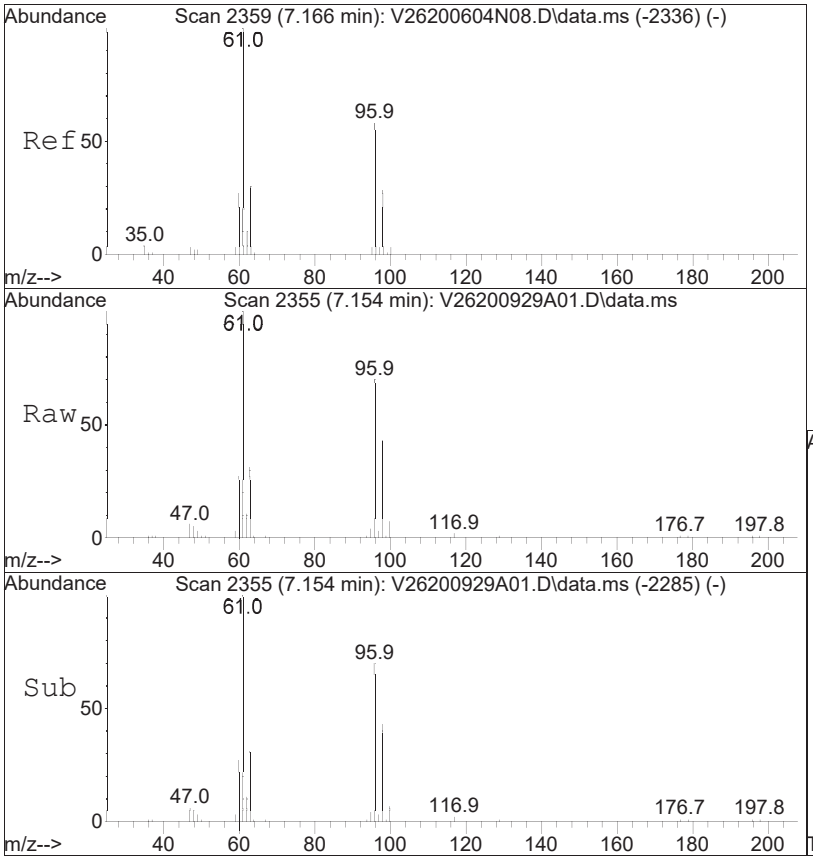


#19
Acetone
Concen: 30.66 ug/L M1
RT: 5.487 min Scan# 1757
Delta R.T. -0.020 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 43 Resp: 26721

Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.6	37.0

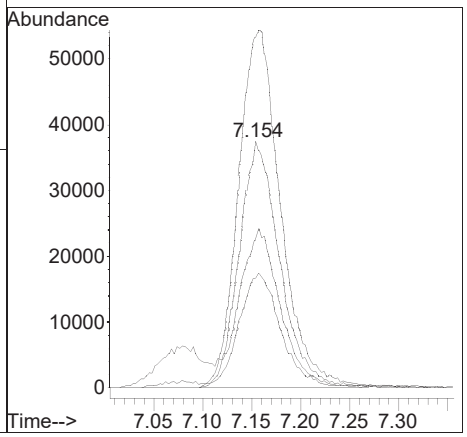


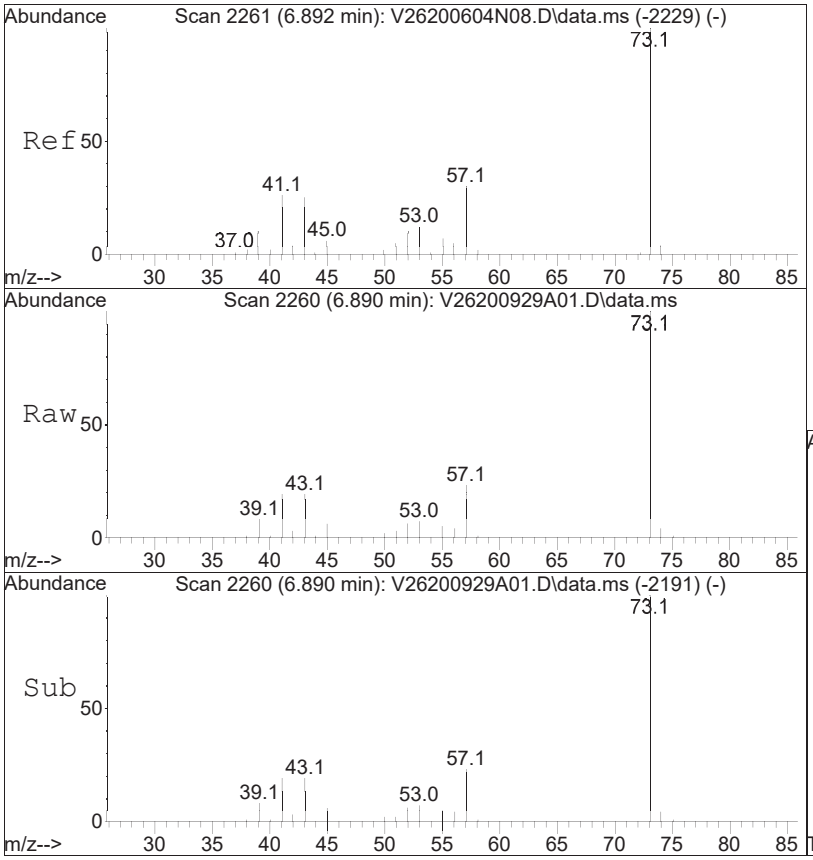


#20
trans-1,2-Dichloroethene
Concen: 36.71 ug/L
RT: 7.154 min Scan# 2355
Delta R.T. -0.006 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 96 Resp: 107647

Ion	Ratio	Lower	Upper
96	100		
61	151.0	94.1	195.5
98	64.1	42.4	88.0
63	48.3	30.4	63.0

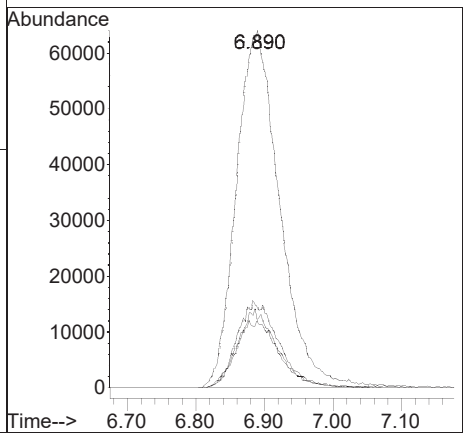


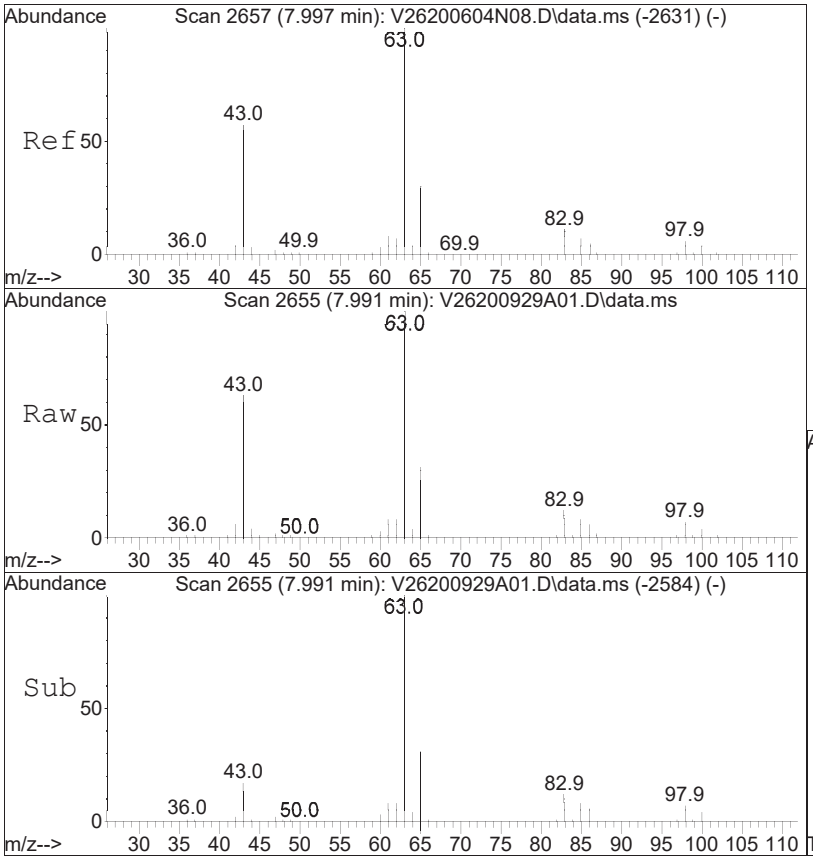


#23
Methyl tert-butyl ether
Concen: 41.08 ug/L
RT: 6.890 min Scan# 2260
Delta R.T. -0.008 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 73 Resp: 278899

Ion	Ratio	Lower	Upper
73	100		
57	23.5	15.8	32.8
43	20.3	14.7	30.5
41	18.6	14.8	30.8

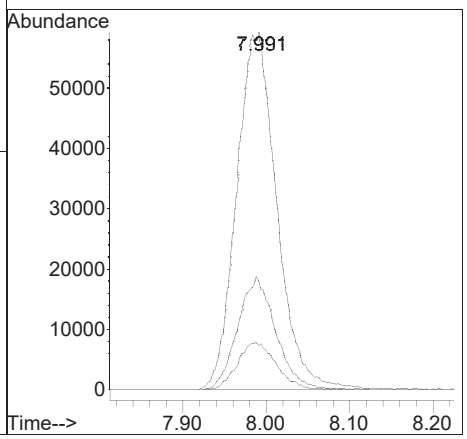


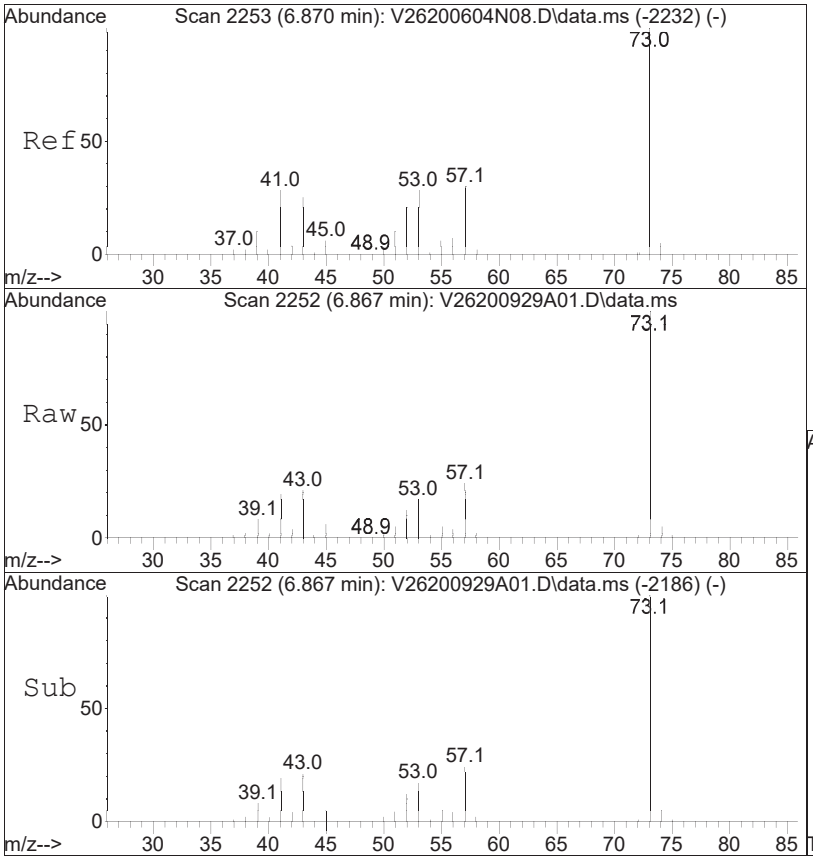


#26
1,1-Dichloroethane
Concen: 31.48 ug/L
RT: 7.991 min Scan# 2655
Delta R.T. -0.003 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 63 Resp: 196587

Ion	Ratio	Lower	Upper
63	100		
65	30.1	11.3	51.3
83	13.1	0.0	33.1

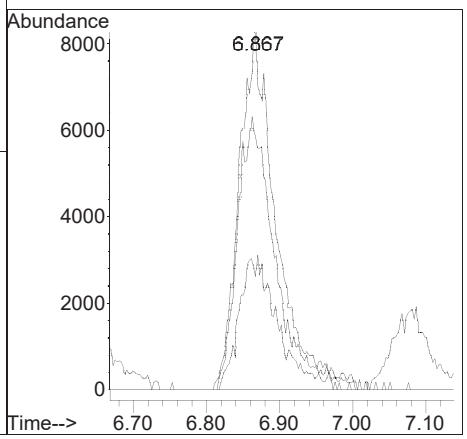


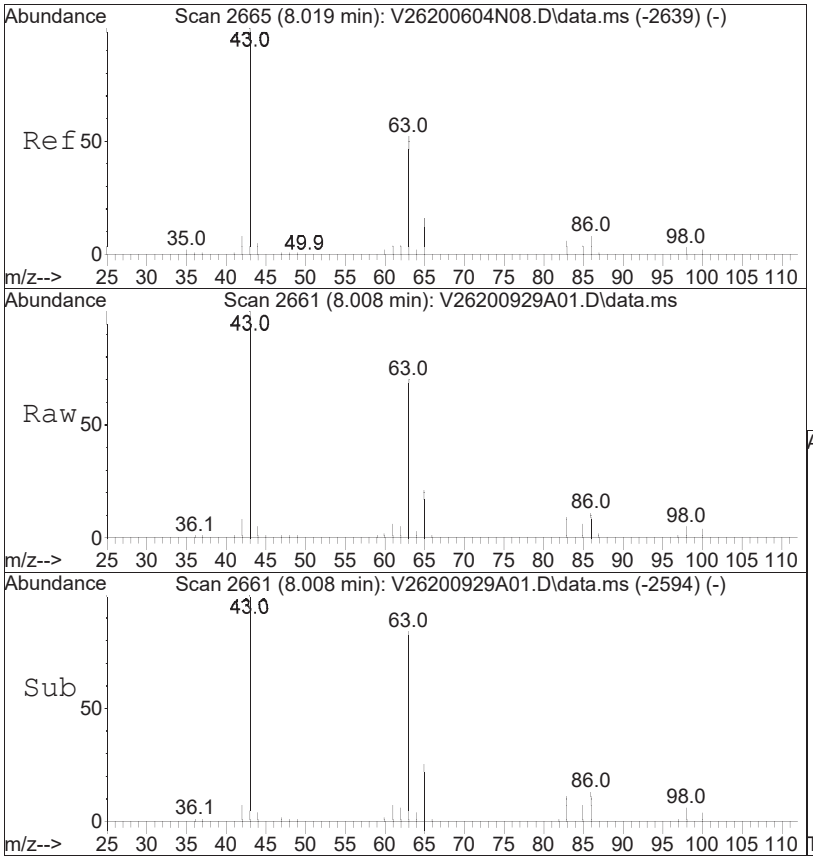


#28
Acrylonitrile
Concen: 29.94 ug/L M1
RT: 6.867 min Scan# 2252
Delta R.T. -0.017 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 53 Resp: 29370

Ion	Ratio	Lower	Upper
53	100		
52	75.2	62.6	93.8
51	33.3	29.4	44.2

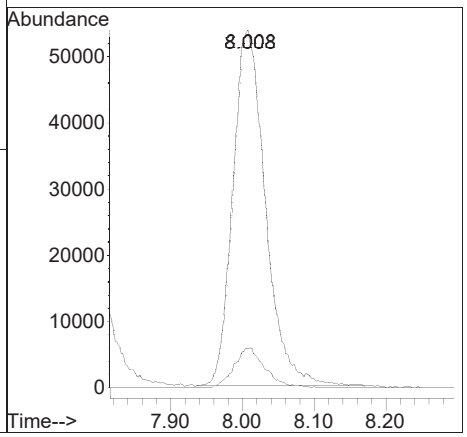


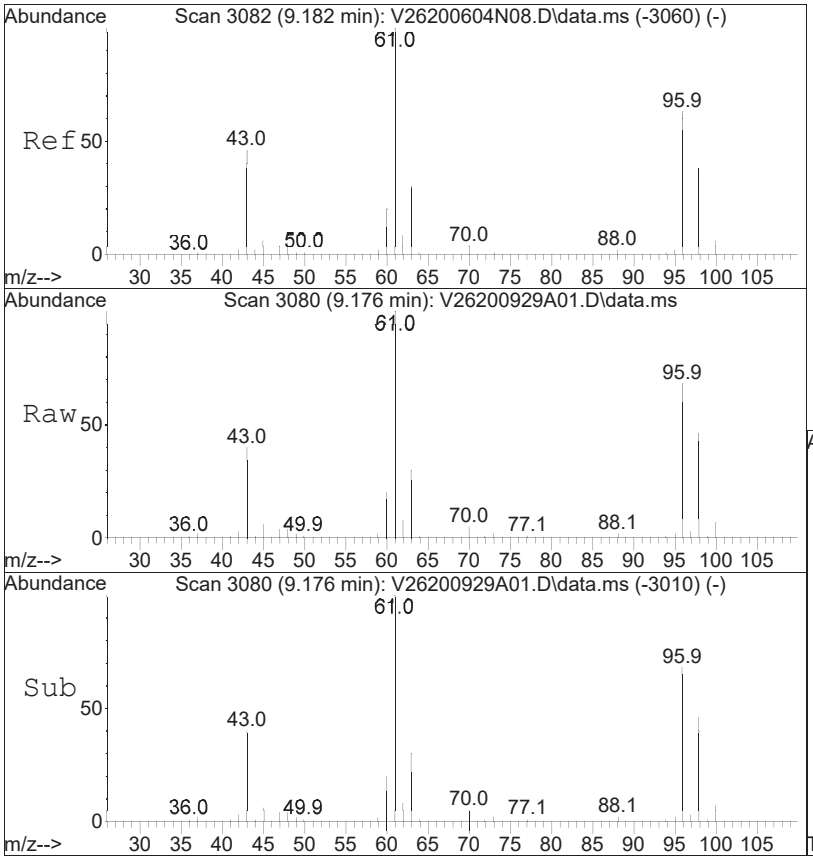


#30
Vinyl acetate
Concen: 29.31 ug/L
RT: 8.008 min Scan# 2661
Delta R.T. -0.011 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 43 Resp: 168476

Ion	Ratio	Lower	Upper
43	100		
86	10.7	7.7	11.5

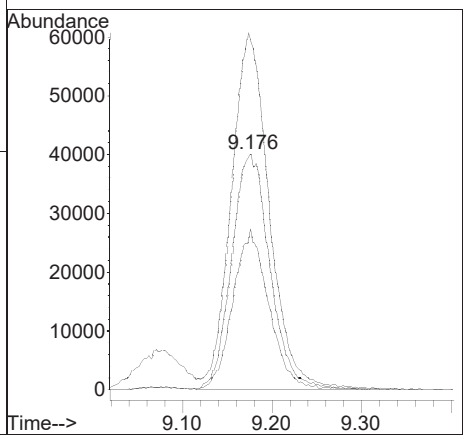


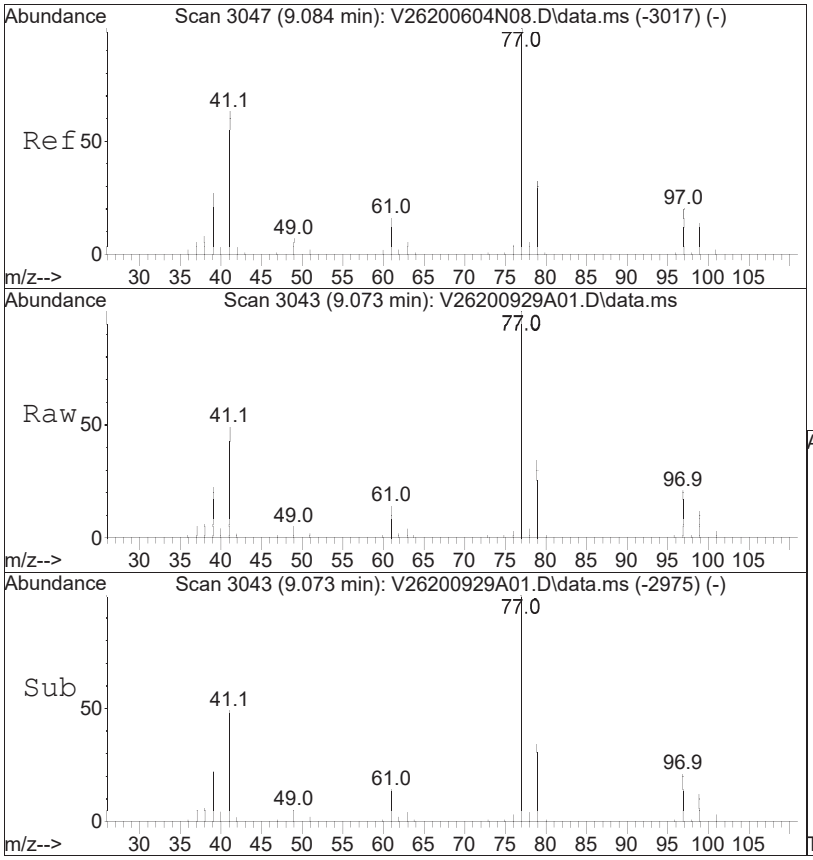


#31
cis-1,2-Dichloroethene
Concen: 36.41 ug/L
RT: 9.176 min Scan# 3080
Delta R.T. -0.006 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 96 Resp: 119093

Ion	Ratio	Lower	Upper
96	100		
61	145.7	117.3	175.9
98	63.6	51.4	77.0

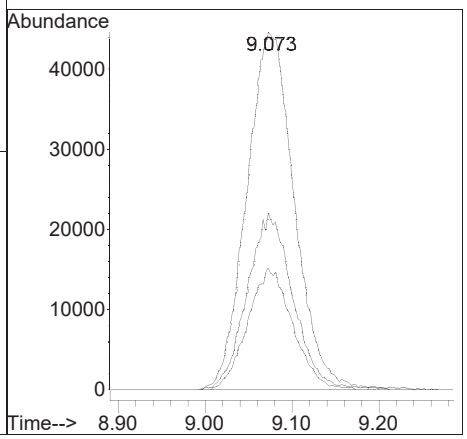


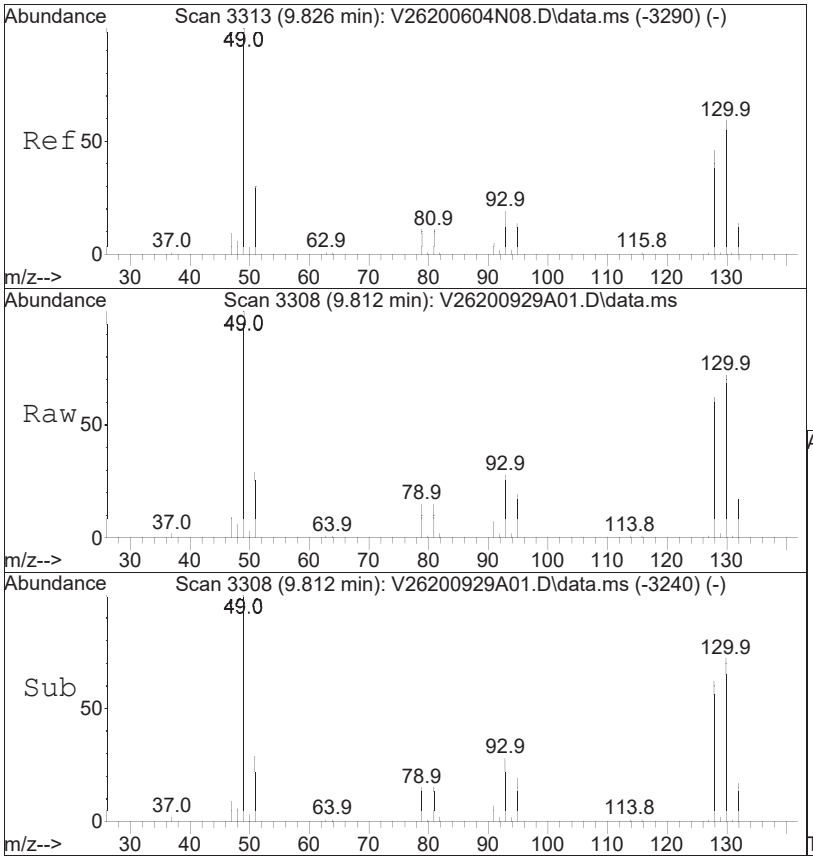


#32
2,2-Dichloropropane
Concen: 41.26 ug/L
RT: 9.073 min Scan# 3043
Delta R.T. -0.011 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 77 Resp: 168618

Ion	Ratio	Lower	Upper
77	100		
41	47.9	40.4	83.8
79	32.4	20.9	43.5

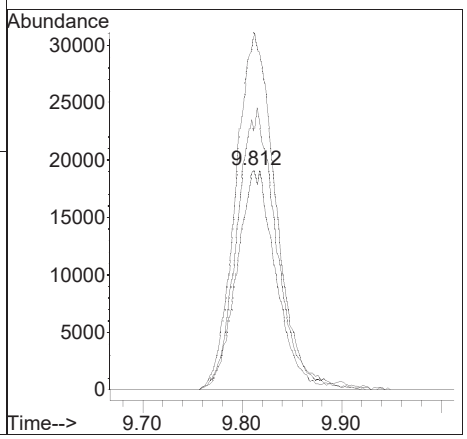


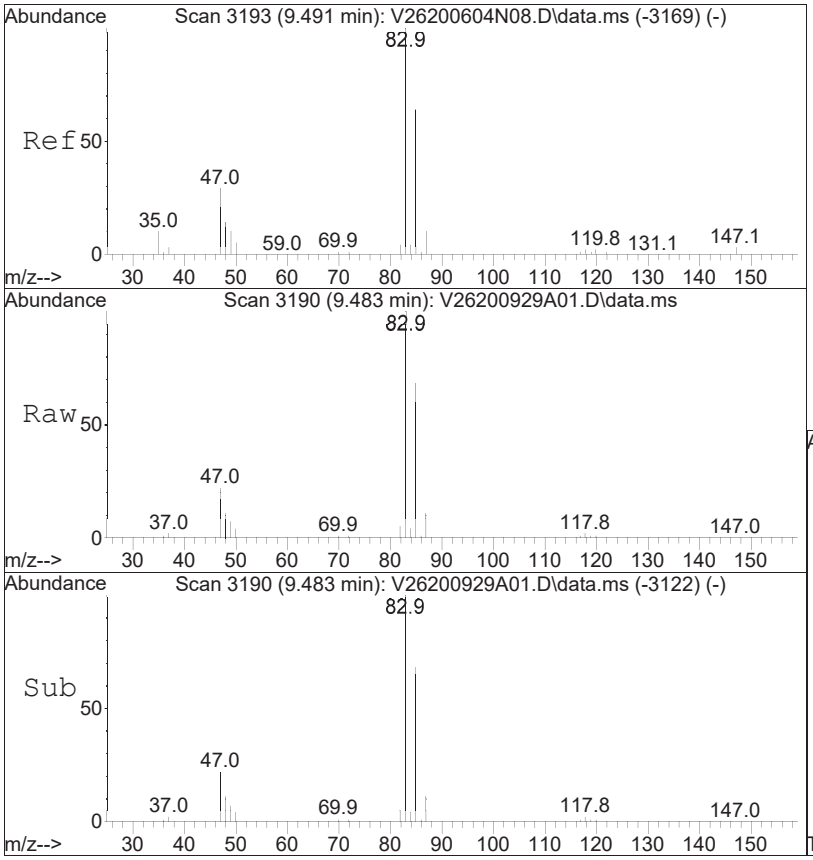


#33
Bromochloromethane
Concen: 37.64 ug/L
RT: 9.812 min Scan# 3308
Delta R.T. -0.011 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion:128 Resp: 52588

Ion	Ratio	Lower	Upper
128	100		
49	164.4	139.0	208.4
130	128.1	102.9	154.3

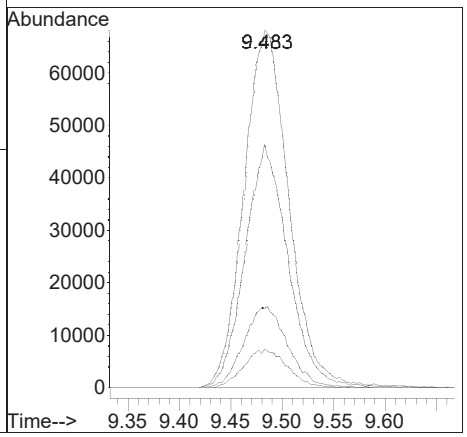


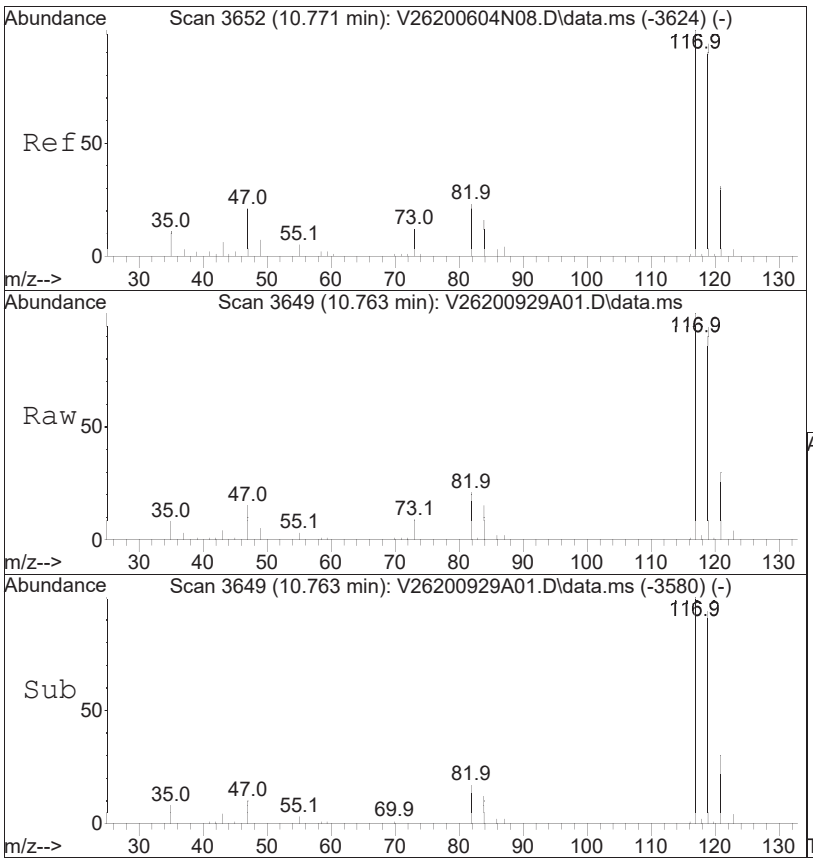


#35
Chloroform
Concen: 36.91 ug/L
RT: 9.483 min Scan# 3190
Delta R.T. -0.011 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 83 Resp: 204555

Ion	Ratio	Lower	Upper
83	100		
85	65.1	42.3	87.9
47	22.5	17.3	35.9
48	10.7	8.3	17.3

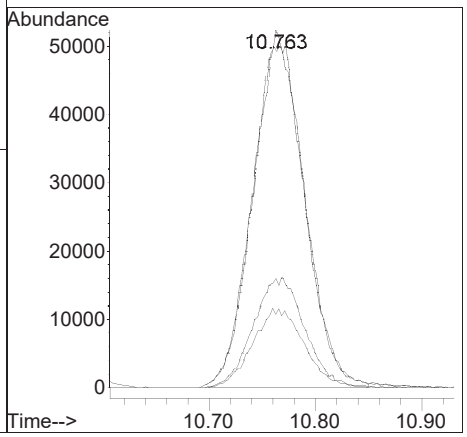


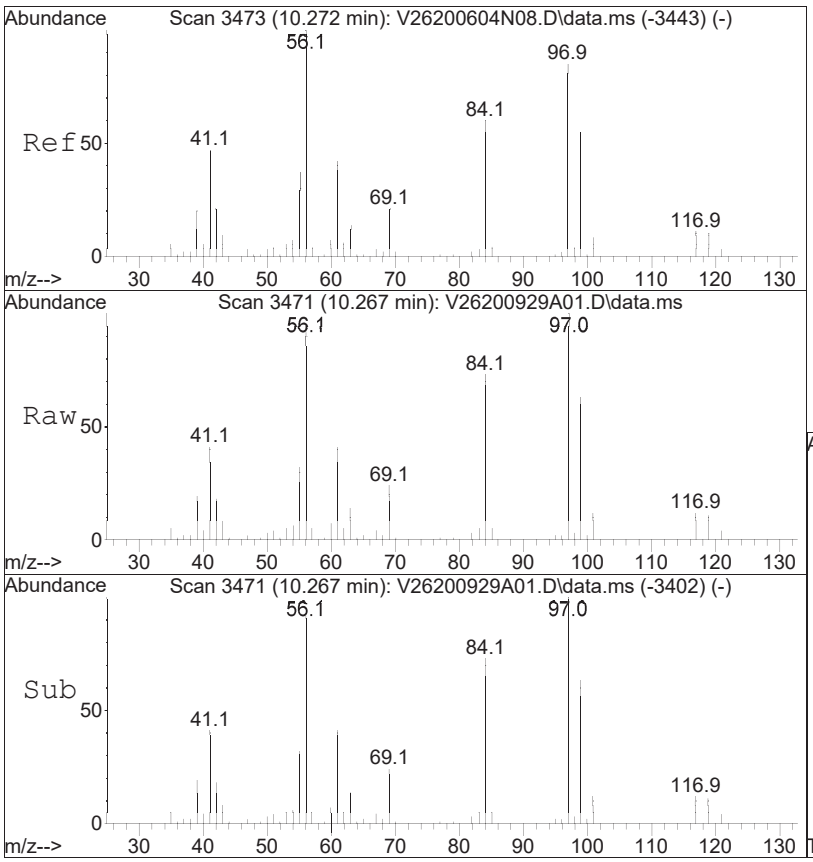


#37
Carbon tetrachloride
Concen: 43.99 ug/L
RT: 10.763 min Scan# 3649
Delta R.T. -0.008 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion:117 Resp: 175559

Ion	Ratio	Lower	Upper
117	100		
119	97.0	62.5	129.9
121	30.8	20.3	42.1
82	22.2	15.5	32.1

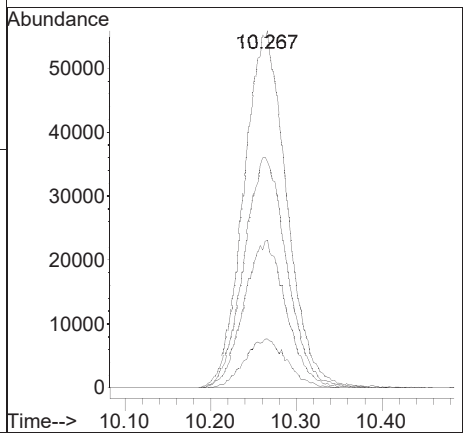


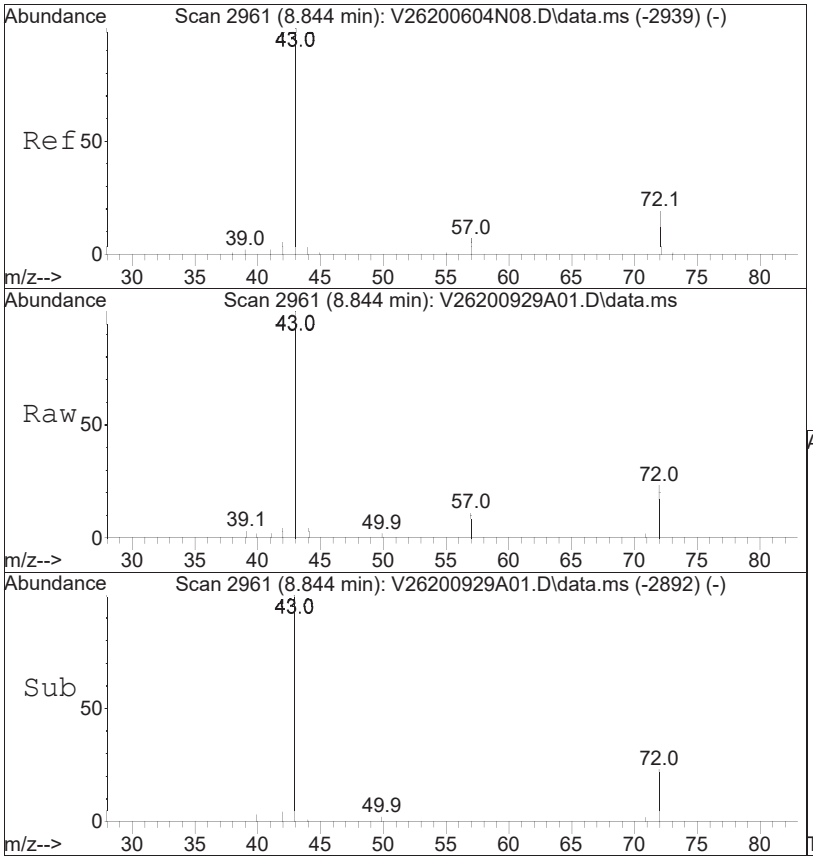


#40
1,1,1-Trichloroethane
Concen: 42.34 ug/L
RT: 10.267 min Scan# 3471
Delta R.T. -0.008 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 97 Resp: 193221

Ion	Ratio	Lower	Upper
97	100		
99	64.9	41.9	86.9
61	41.1	29.7	61.7
63	13.7	9.9	20.5

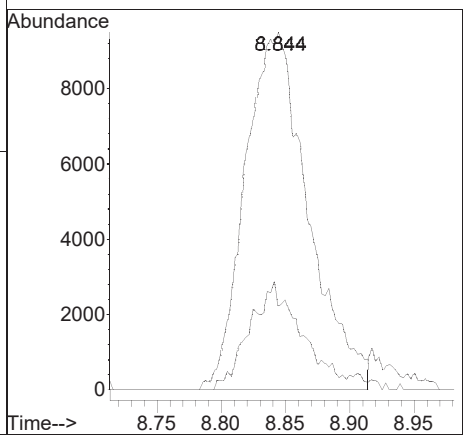


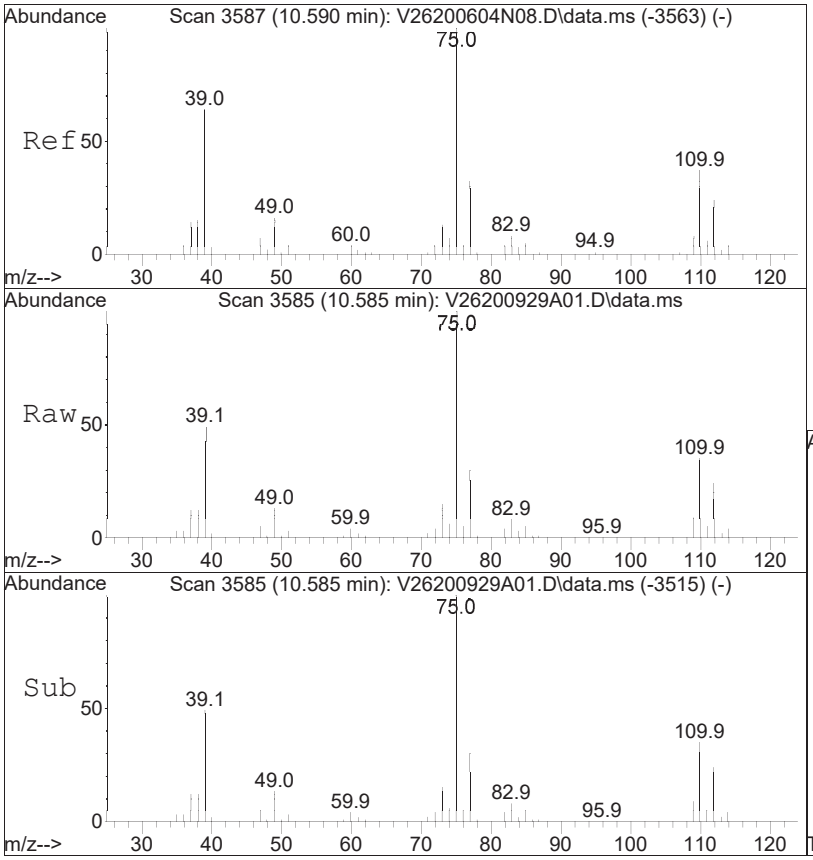


#42
2-Butanone
Concen: 27.50 ug/L
RT: 8.844 min Scan# 2961
Delta R.T. -0.008 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 43 Resp: 32177

Ion	Ratio	Lower	Upper
43	100		
72	25.0	18.7	28.1

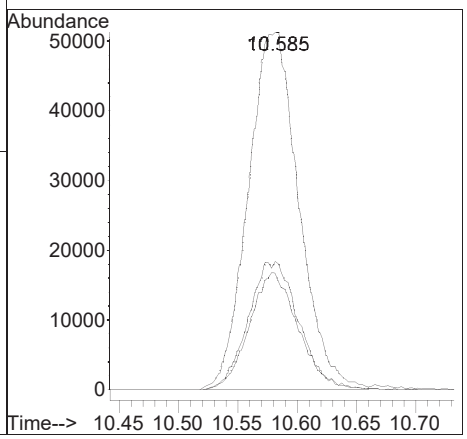


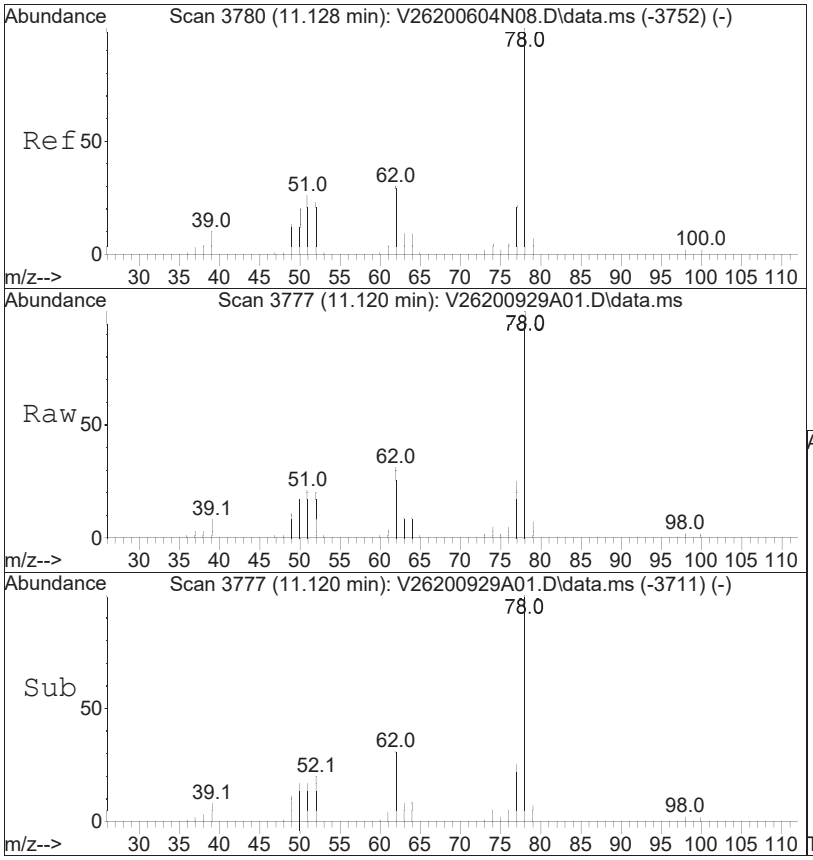


#43
1,1-Dichloropropene
Concen: 40.18 ug/L
RT: 10.585 min Scan# 3585
Delta R.T. -0.006 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 75 Resp: 151229

Ion	Ratio	Lower	Upper
75	100		
110	36.1	23.9	49.7
77	31.8	20.2	42.0

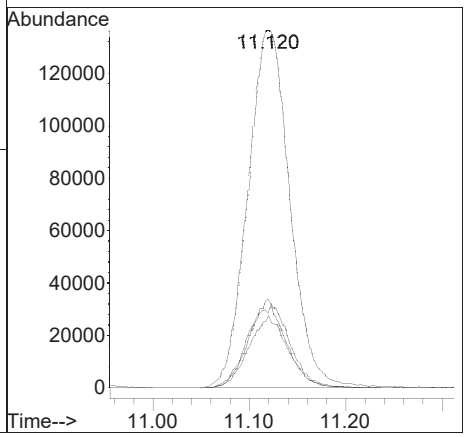


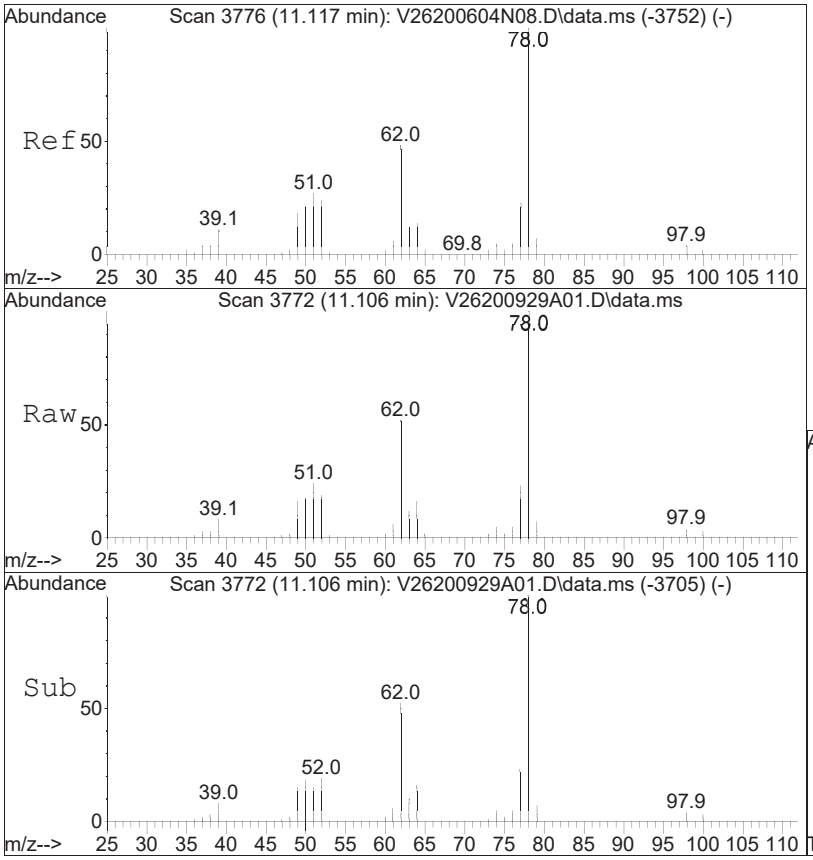


#45
Benzene
Concen: 34.41 ug/L
RT: 11.120 min Scan# 3777
Delta R.T. -0.017 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 78 Resp: 409601

Ion	Ratio	Lower	Upper
78	100		
77	23.8	15.6	32.4
51	22.3	14.3	29.7
52	19.0	11.9	24.7

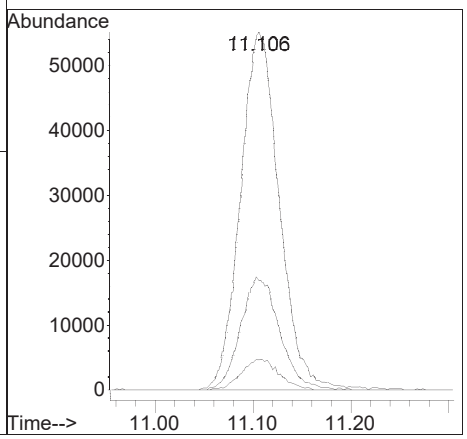


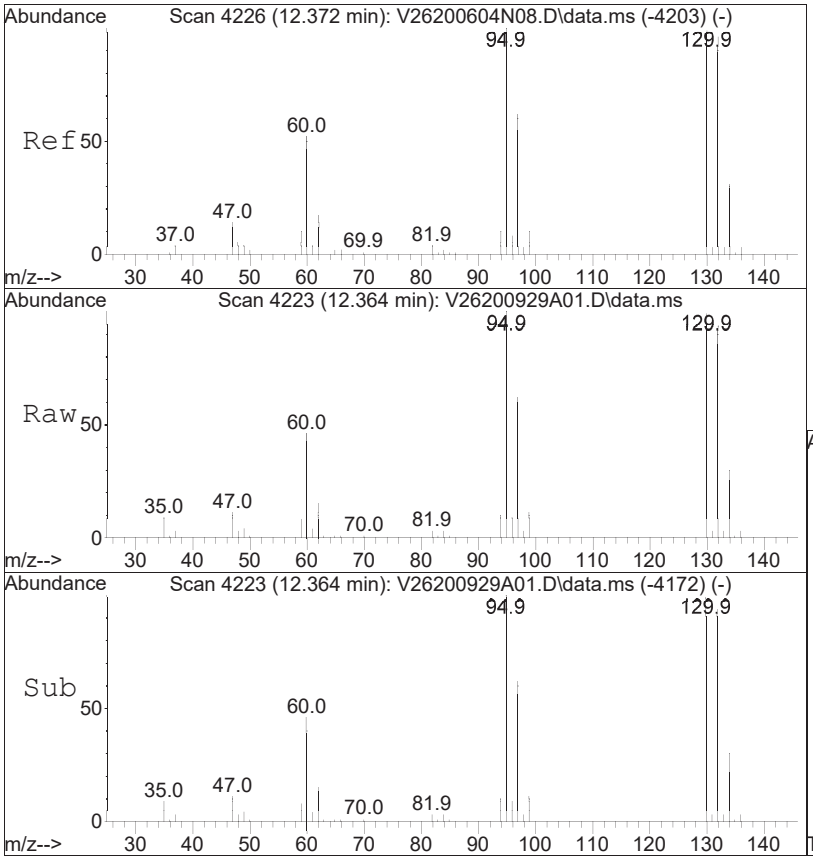


#48
1,2-Dichloroethane
Concen: 35.43 ug/L
RT: 11.106 min Scan# 3772
Delta R.T. -0.014 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 62 Resp: 150652

Ion	Ratio	Lower	Upper
62	100		
64	31.6	12.0	52.0
98	8.3	0.0	29.3

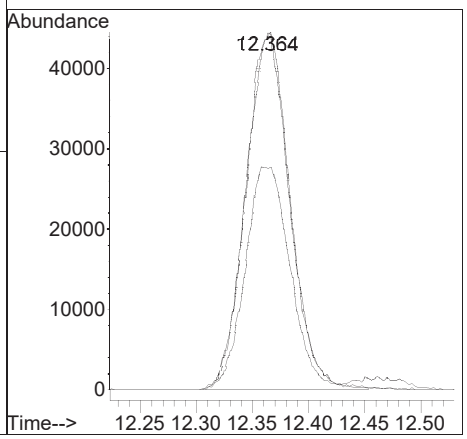


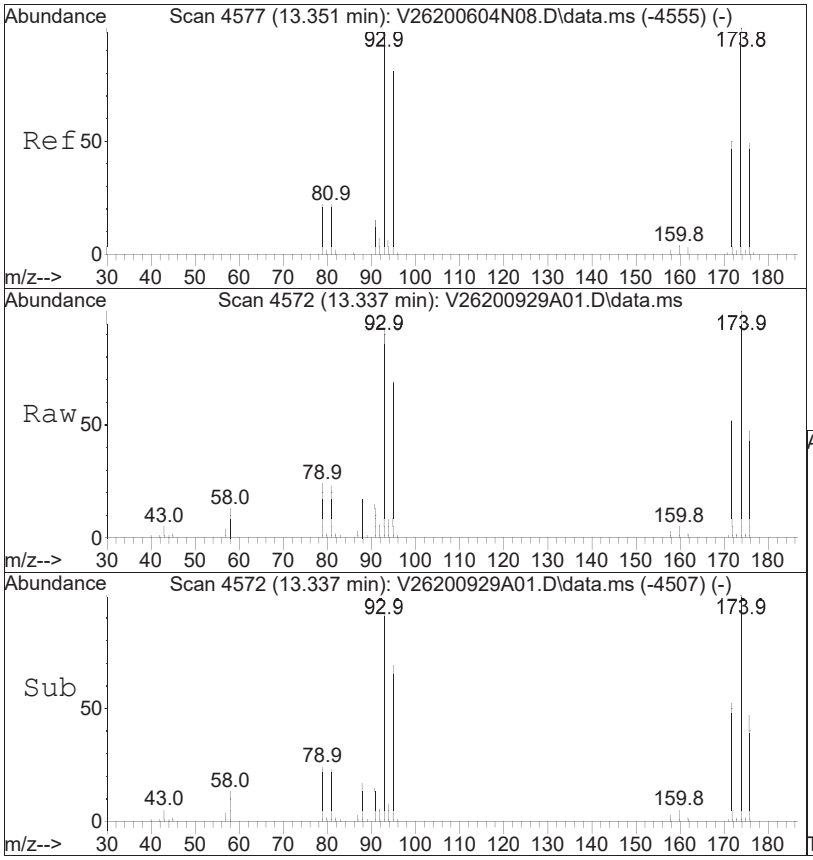


#52
Trichloroethene
Concen: 38.26 ug/L
RT: 12.364 min Scan# 4223
Delta R.T. -0.008 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 95 Resp: 118488

Ion	Ratio	Lower	Upper
95	100		
97	64.9	51.3	76.9
130	103.0	84.5	126.7

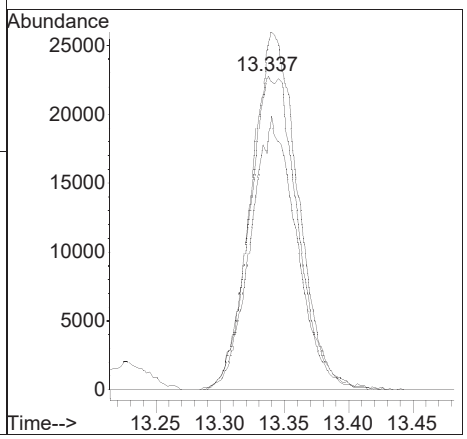


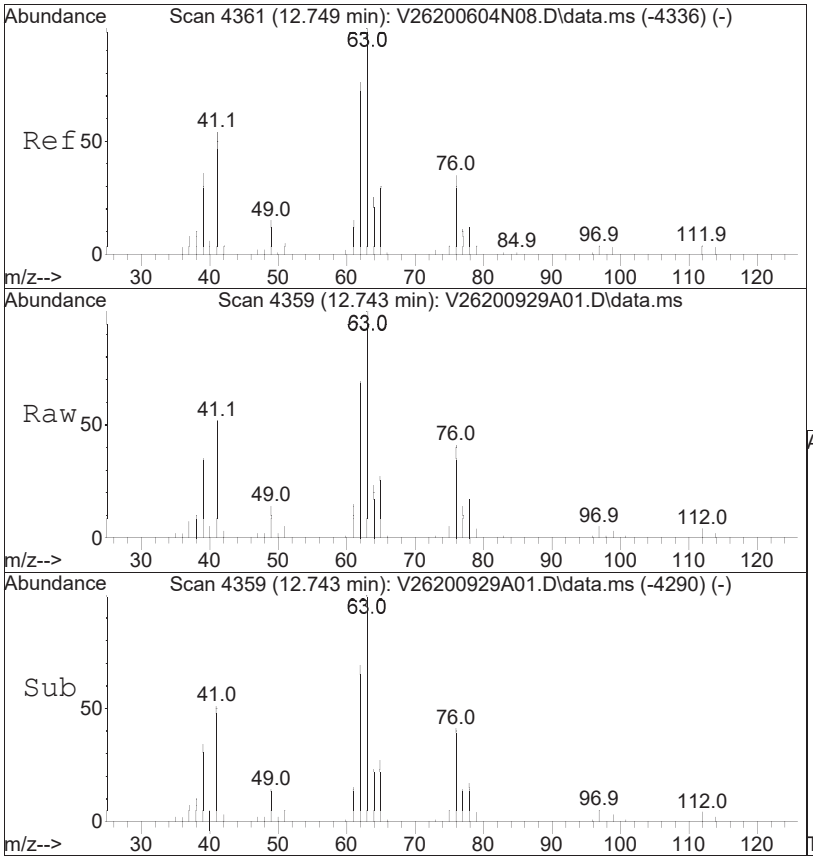


#54
Dibromomethane
Concen: 36.90 ug/L
RT: 13.337 min Scan# 4572
Delta R.T. -0.020 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 93 Resp: 59360

Ion	Ratio	Lower	Upper
93	100		
95	82.4	66.8	100.2
174	110.0	79.5	119.3

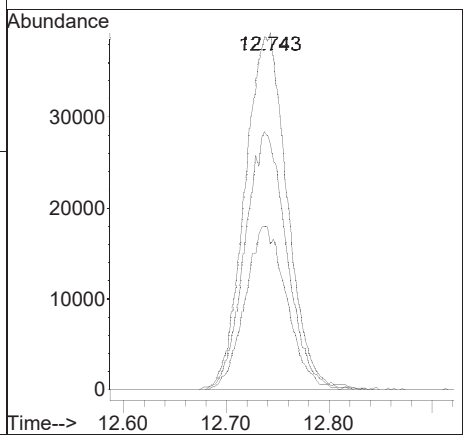


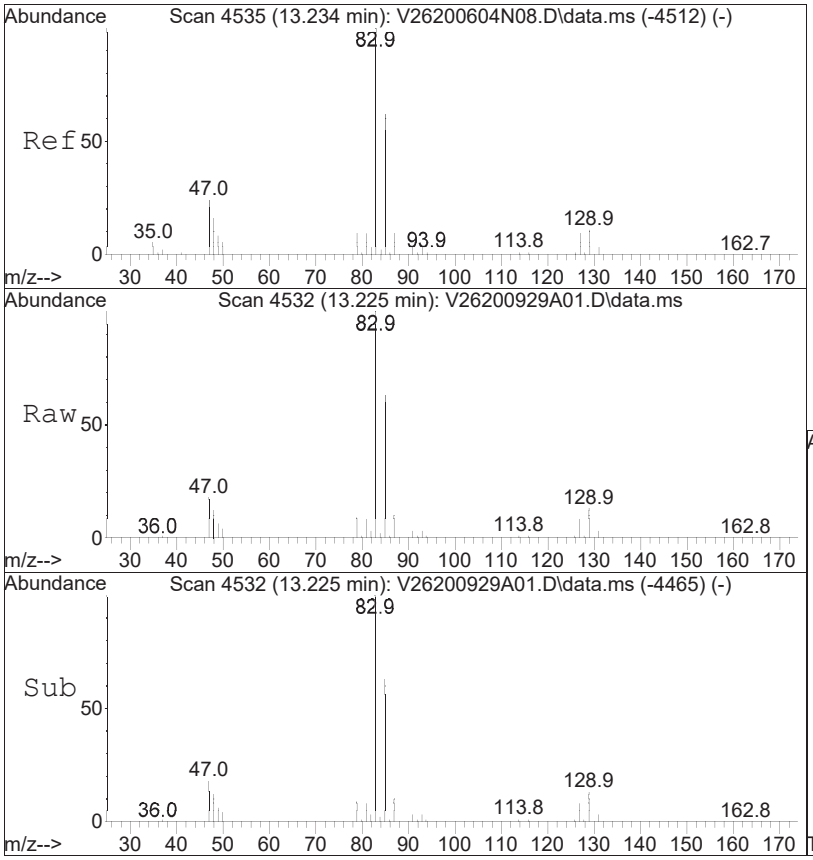


#55
1,2-Dichloropropane
Concen: 30.49 ug/L
RT: 12.743 min Scan# 4359
Delta R.T. -0.008 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 63 Resp: 111289

Ion	Ratio	Lower	Upper
63	100		
62	71.5	57.3	85.9
76	45.4	31.9	47.9

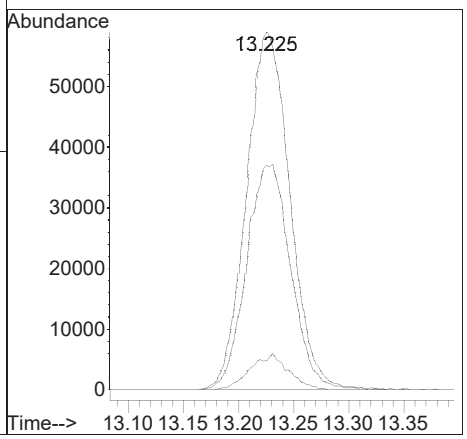


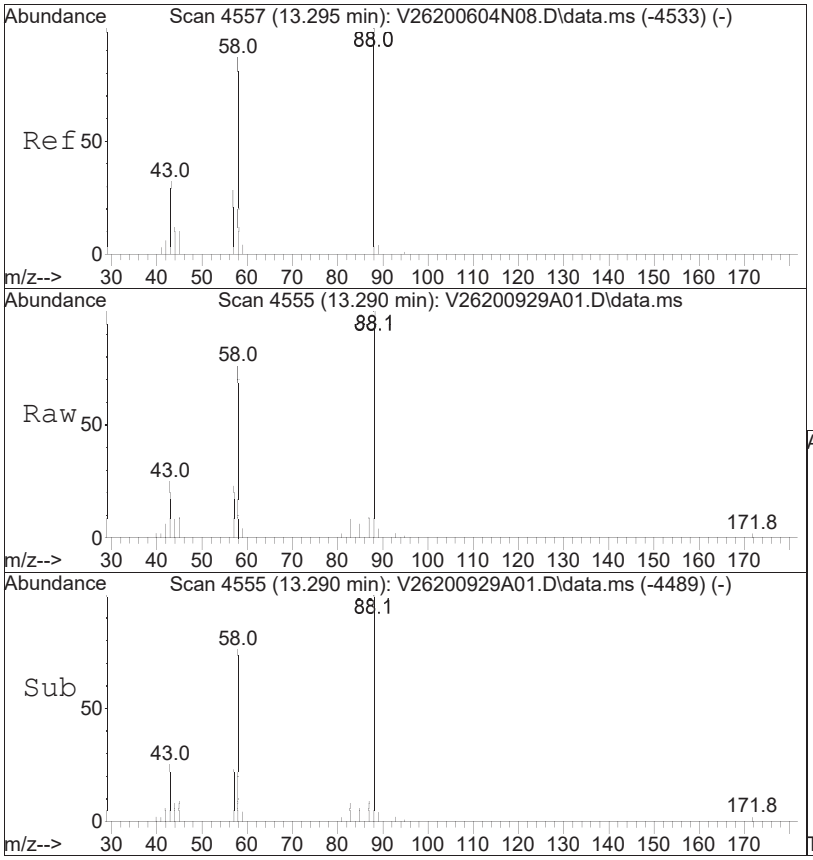


#58
Bromodichloromethane
Concen: 40.43 ug/L
RT: 13.225 min Scan# 4532
Delta R.T. -0.014 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 83 Resp: 160842

Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.4	77.0
127	4.3	7.1	10.7#

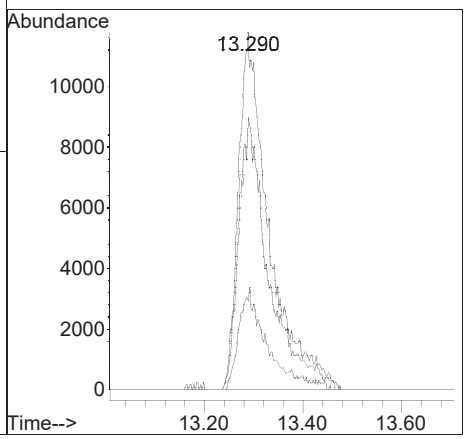


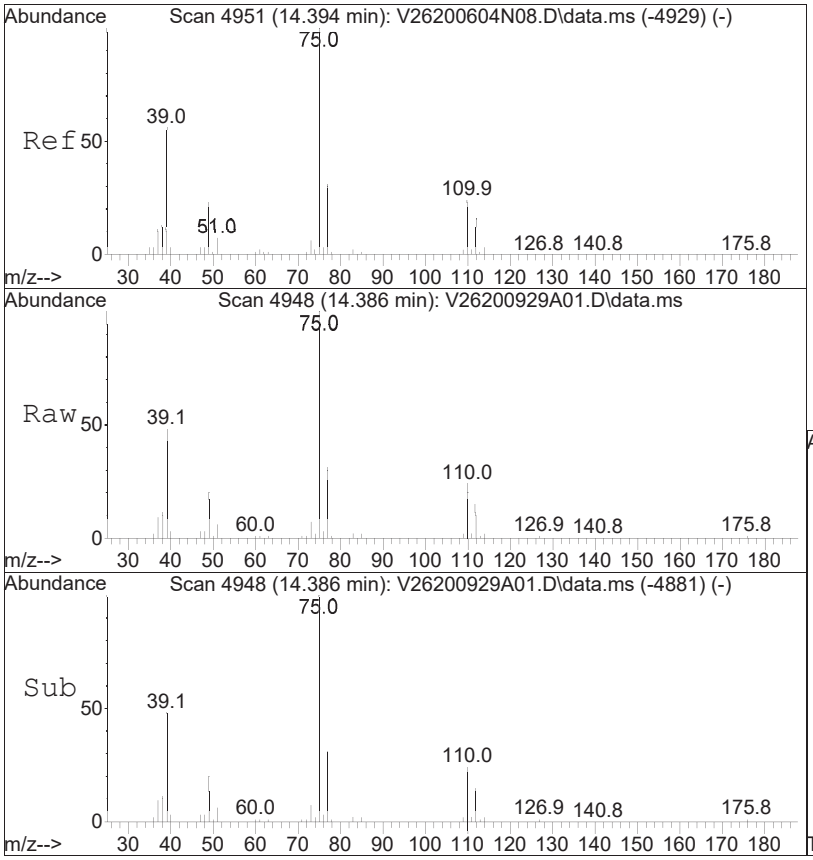


#61
1,4-Dioxane
Concen: 2223.00 ug/L M1
RT: 13.290 min Scan# 4555
Delta R.T. -0.017 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 88 Resp: 50061

Ion	Ratio	Lower	Upper
88	100		
58	73.1	57.0	85.4
43	24.7	20.4	30.6

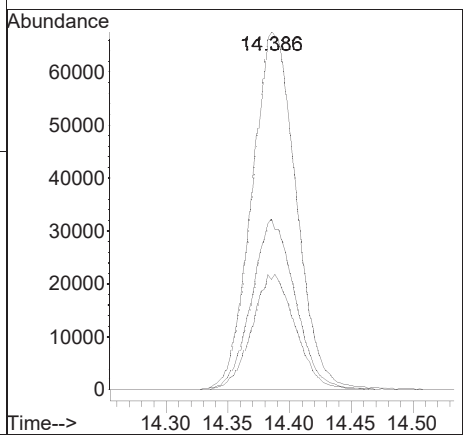


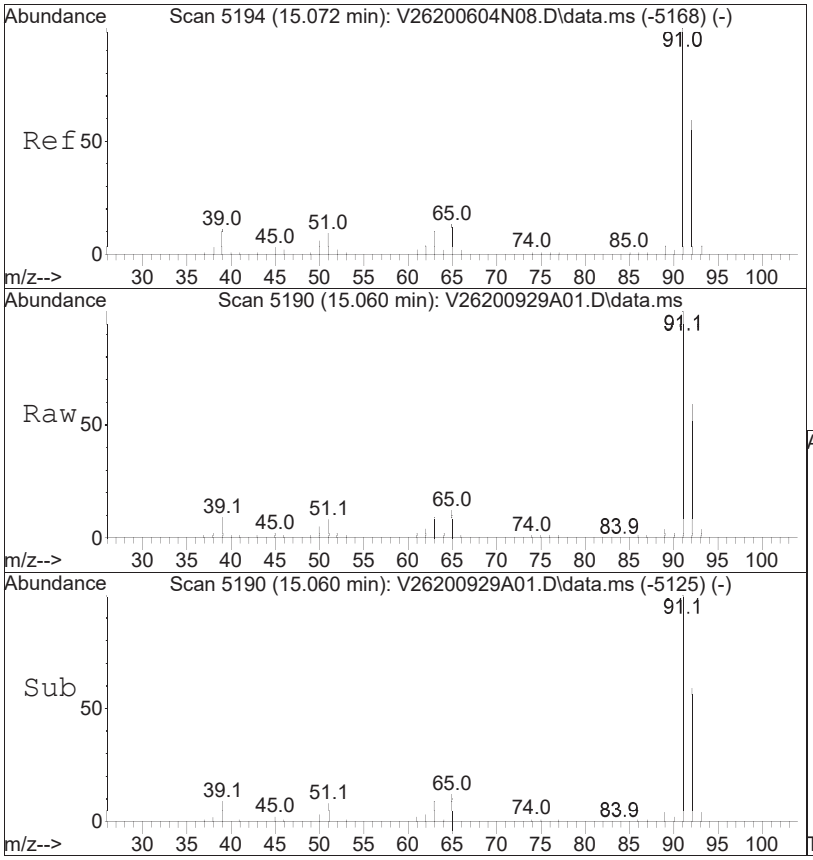


#62
cis-1,3-Dichloropropene
Concen: 37.32 ug/L
RT: 14.386 min Scan# 4948
Delta R.T. -0.014 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 75 Resp: 167262

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.5	38.3
39	46.7	43.7	65.5

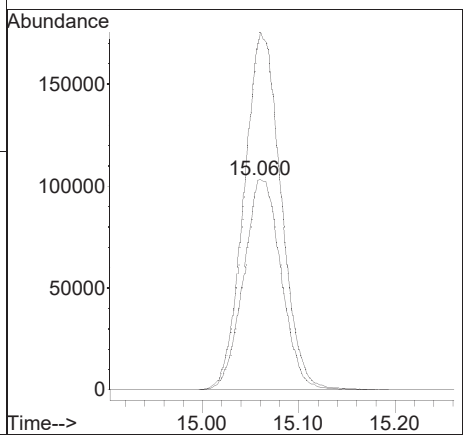


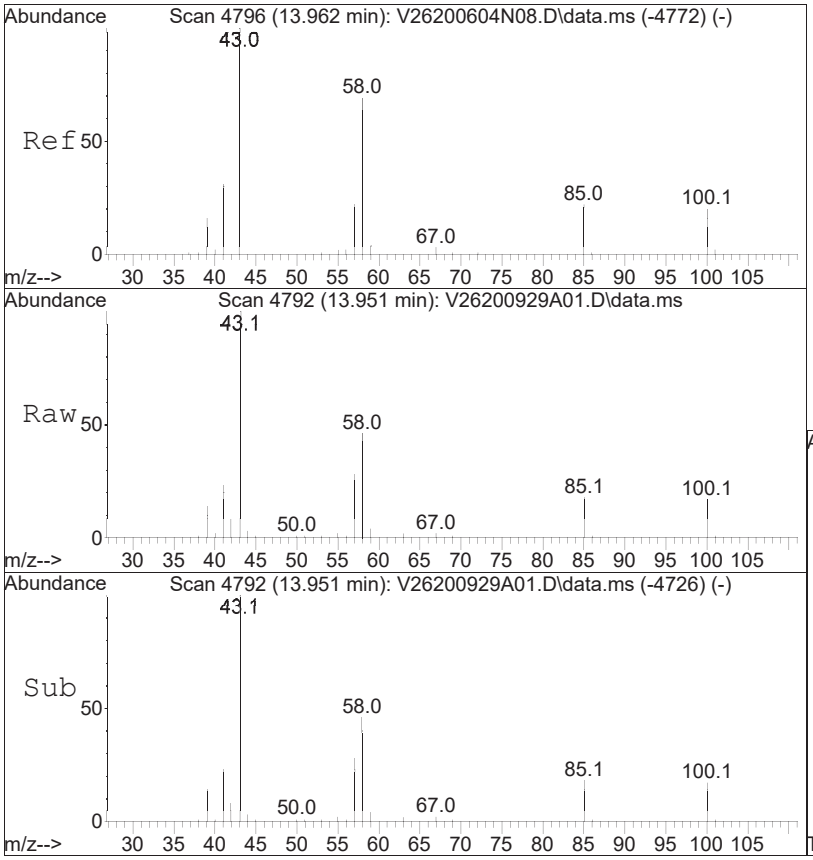


#66
Toluene
Concen: 37.59 ug/L
RT: 15.060 min Scan# 5190
Delta R.T. -0.020 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 92 Resp: 277487

Ion	Ratio	Lower	Upper
92	100		
91	166.5	132.2	198.2

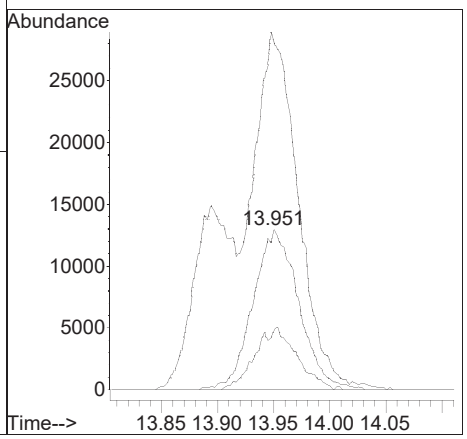


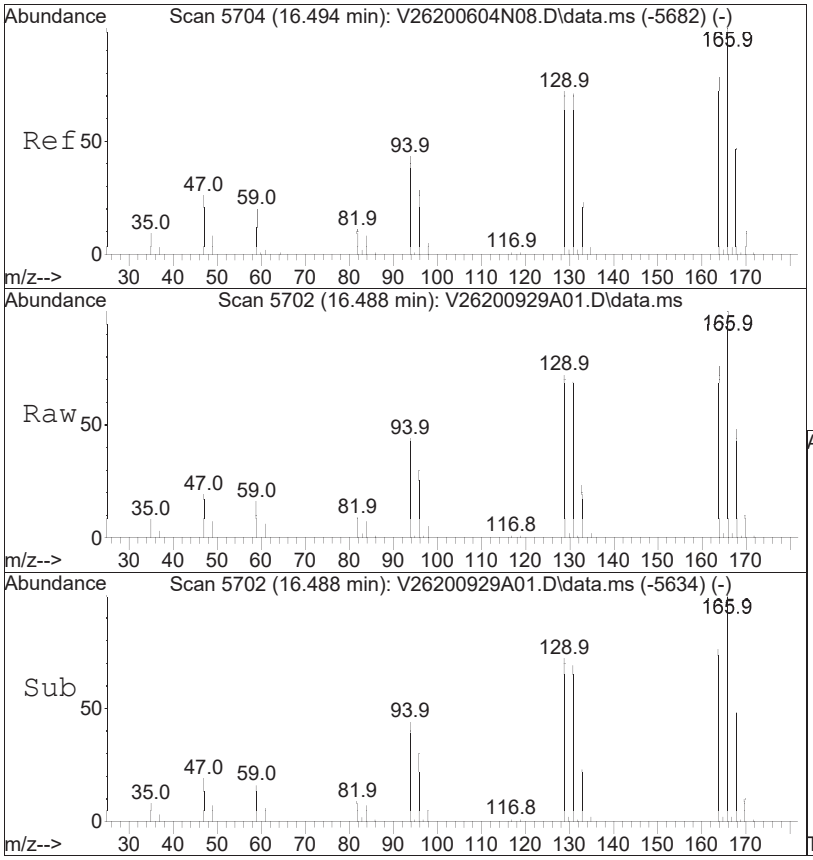


#67
4-Methyl-2-pentanone
Concen: 34.24 ug/L
RT: 13.951 min Scan# 4792
Delta R.T. -0.017 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 58 Resp: 36676

Ion	Ratio	Lower	Upper
58	100		
100	13.2	29.7	44.5#
43	211.7	202.8	304.2

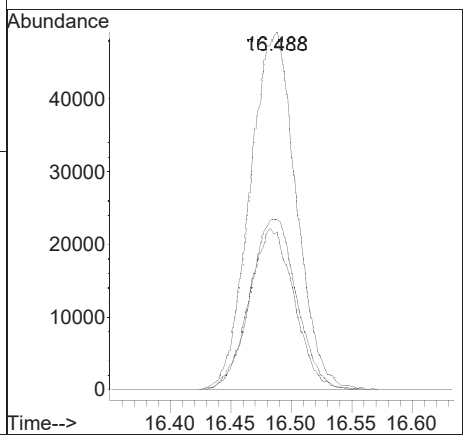


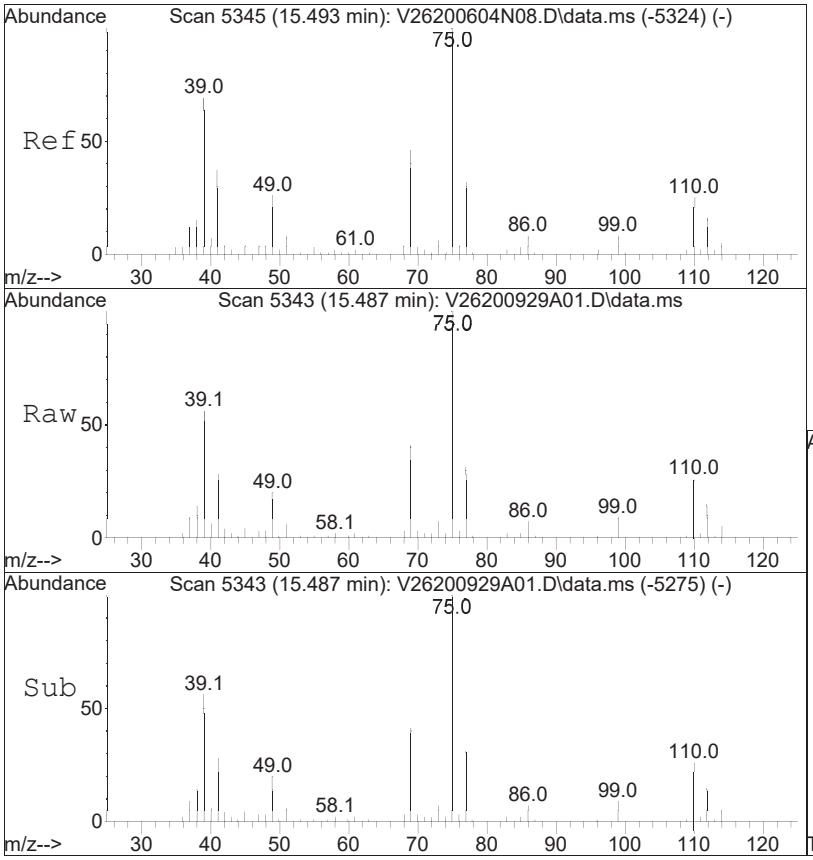


#68
Tetrachloroethene
Concen: 41.30 ug/L
RT: 16.488 min Scan# 5702
Delta R.T. -0.011 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion:166 Resp: 130147

Ion	Ratio	Lower	Upper
166	100		
168	48.1	27.8	67.8
94	44.3	24.4	64.4

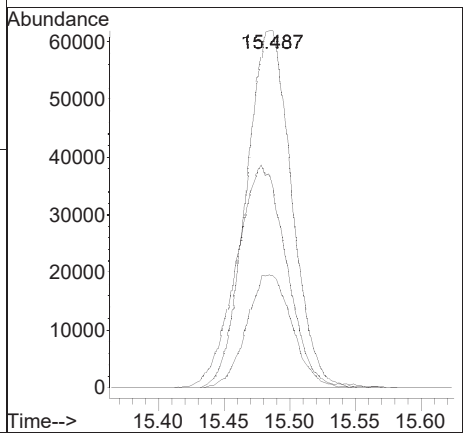


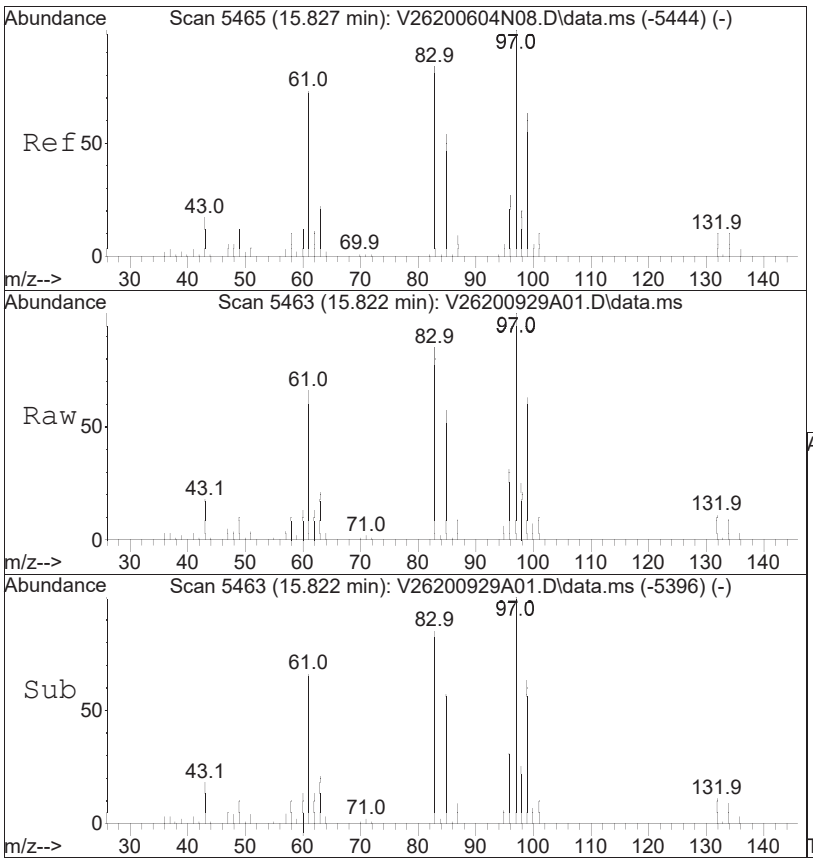


#71
trans-1,3-Dichloropropene
Concen: 41.05 ug/L
RT: 15.487 min Scan# 5343
Delta R.T. -0.011 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 75 Resp: 148565

Ion	Ratio	Lower	Upper
75	100		
77	31.7	11.8	51.8
39	69.1	66.6	106.6

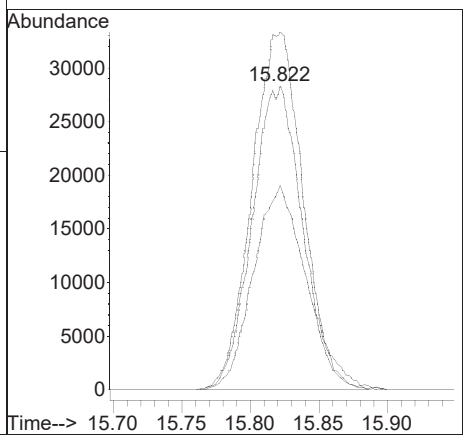


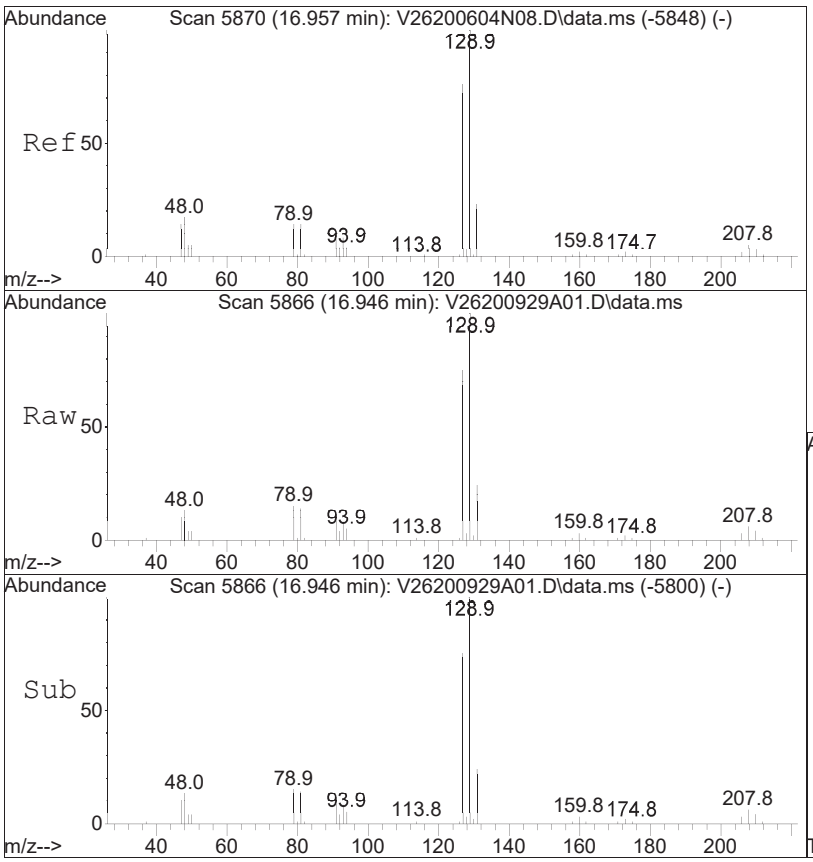


#75
1,1,2-Trichloroethane
Concen: 38.99 ug/L
RT: 15.822 min Scan# 5463
Delta R.T. -0.014 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 83 Resp: 71764

Ion	Ratio	Lower	Upper
83	100		
97	119.9	97.2	137.2
85	72.1	52.0	92.0

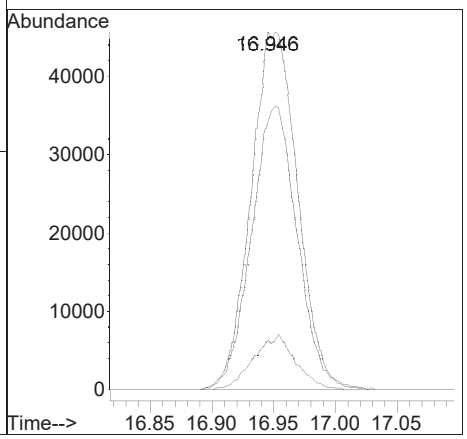


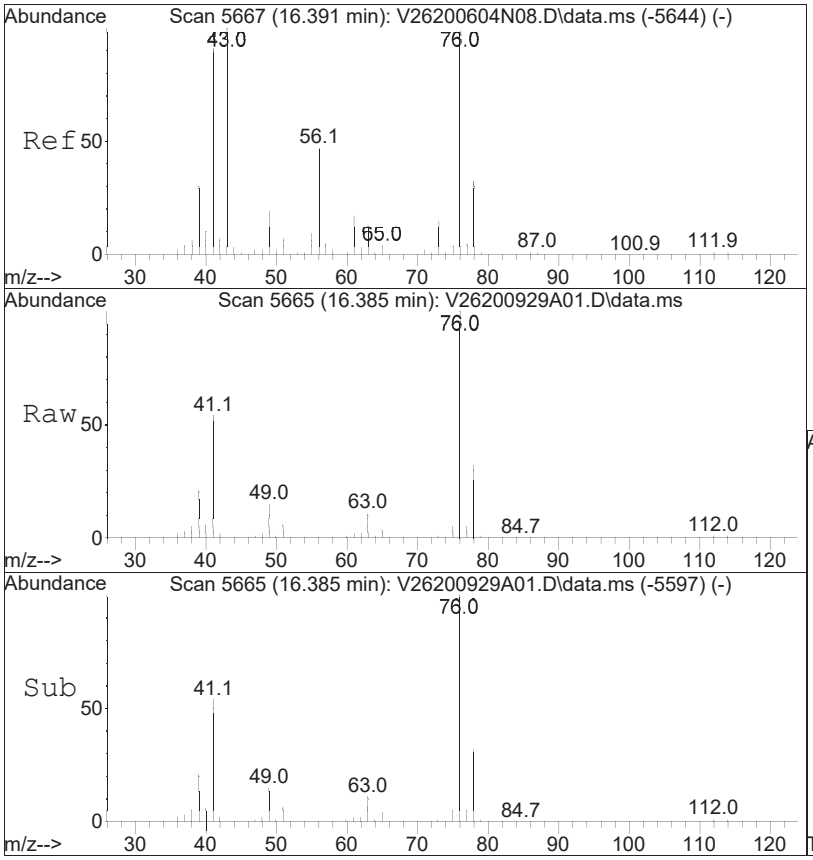


#76
Chlorodibromomethane
Concen: 44.71 ug/L
RT: 16.946 min Scan# 5866
Delta R.T. -0.017 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion:129 Resp: 119171

Ion	Ratio	Lower	Upper
129	100		
81	13.9	0.0	35.0
127	77.5	57.6	97.6

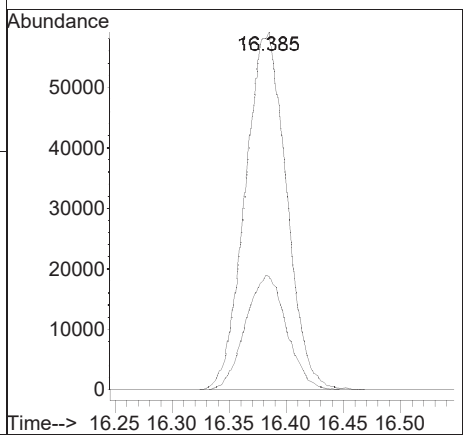


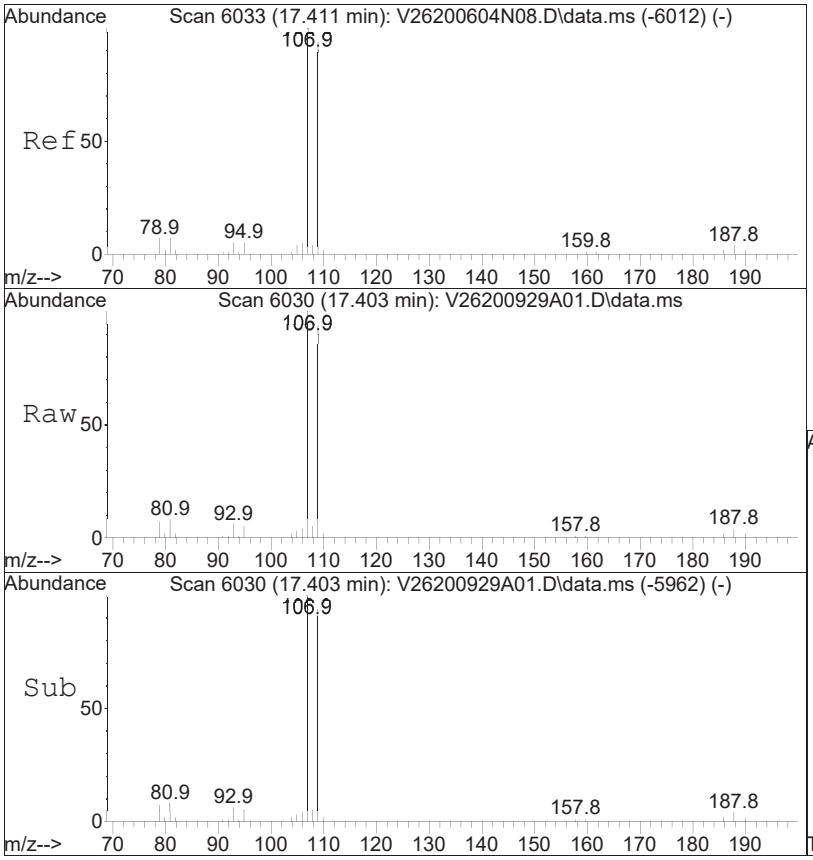


#77
1,3-Dichloropropane
Concen: 38.82 ug/L
RT: 16.385 min Scan# 5665
Delta R.T. -0.011 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 76 Resp: 146858

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.9	38.9

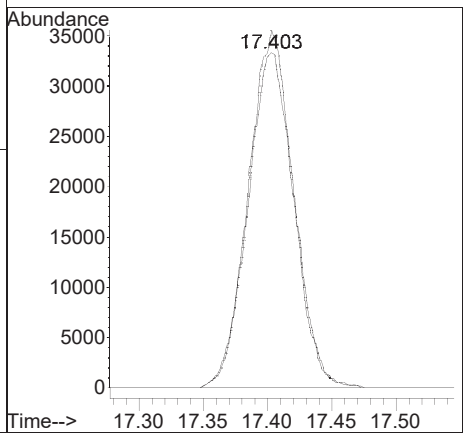


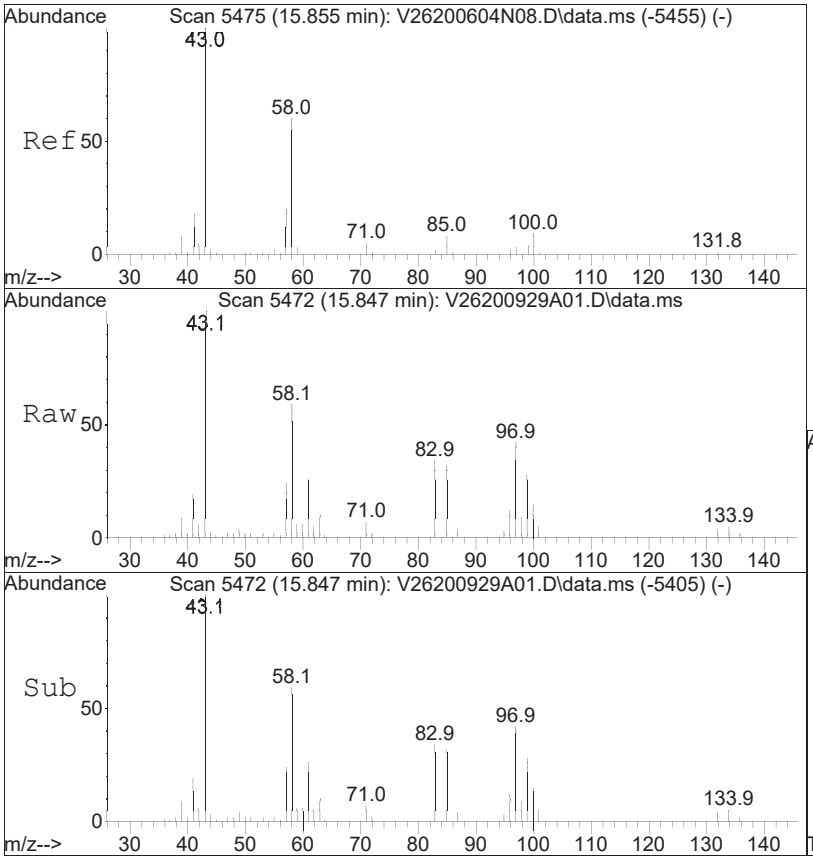


#78
1,2-Dibromoethane
Concen: 41.15 ug/L
RT: 17.403 min Scan# 6030
Delta R.T. -0.011 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion:107 Resp: 86439

Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.5	113.3

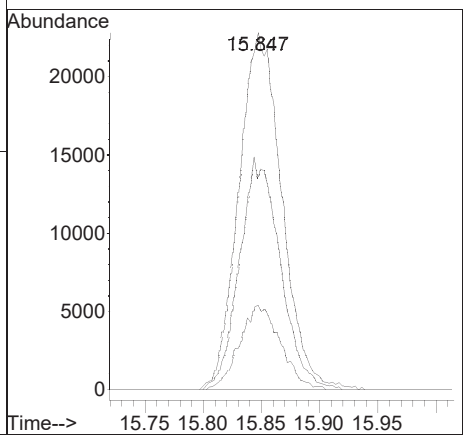


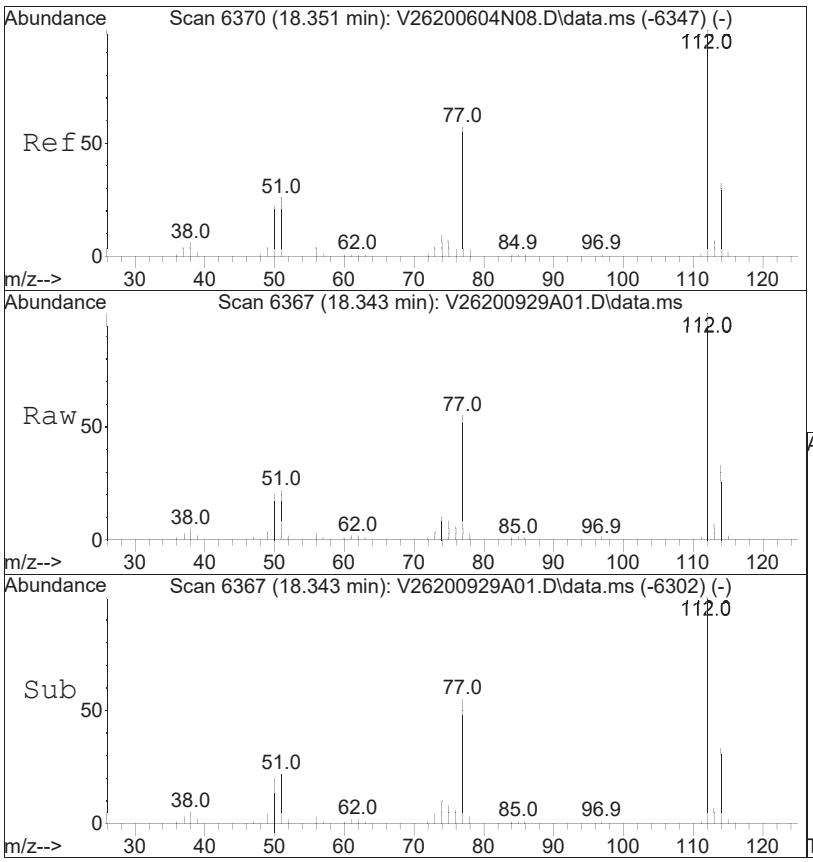


#80
2-Hexanone
Concen: 32.46 ug/L
RT: 15.847 min Scan# 5472
Delta R.T. -0.014 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 43 Resp: 58370

Ion	Ratio	Lower	Upper
43	100		
58	61.5	43.2	64.8
57	22.6	14.8	22.2#

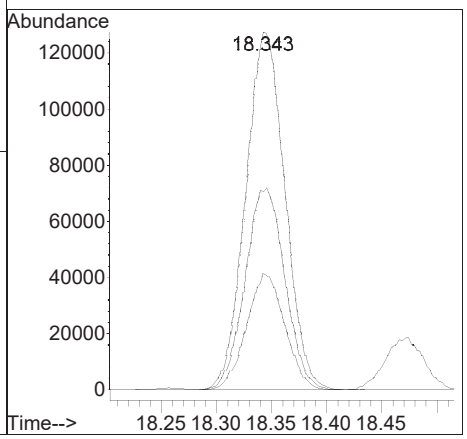


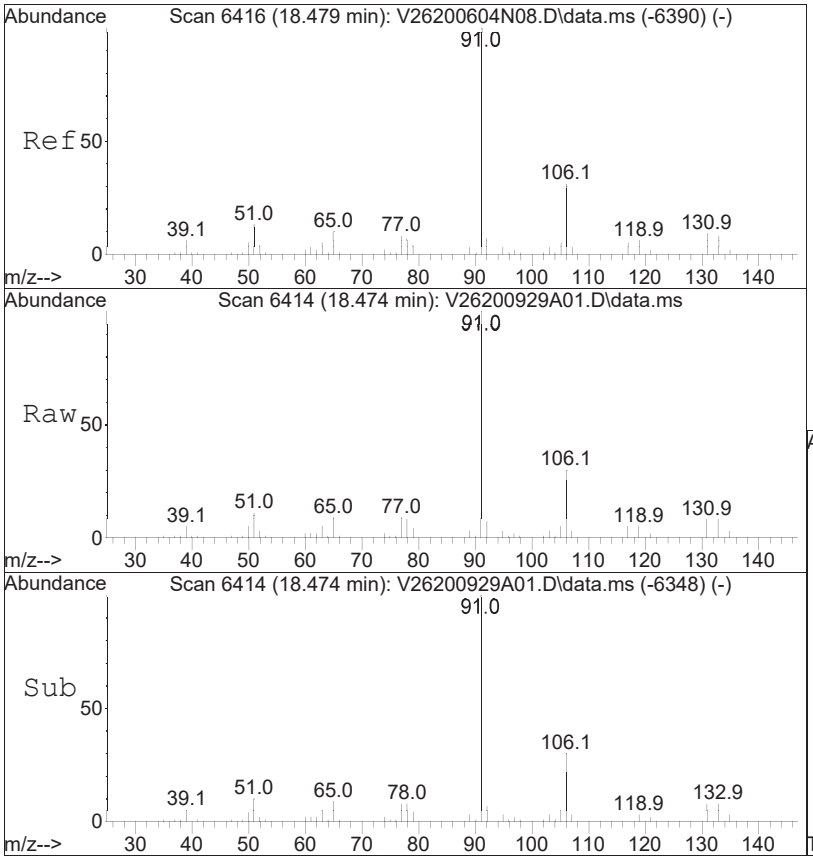


#82
Chlorobenzene
Concen: 37.98 ug/L
RT: 18.343 min Scan# 6367
Delta R.T. -0.020 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion:112 Resp: 313780

Ion	Ratio	Lower	Upper
112	100		
77	56.9	46.1	69.1
114	32.0	26.3	39.5

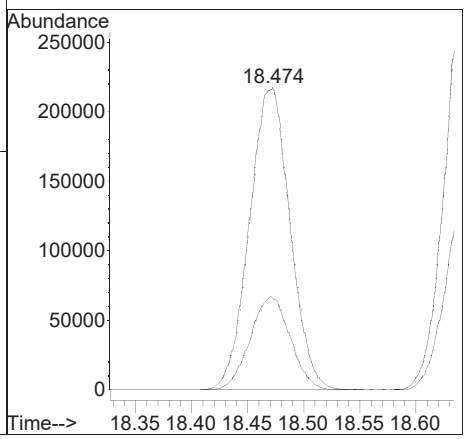


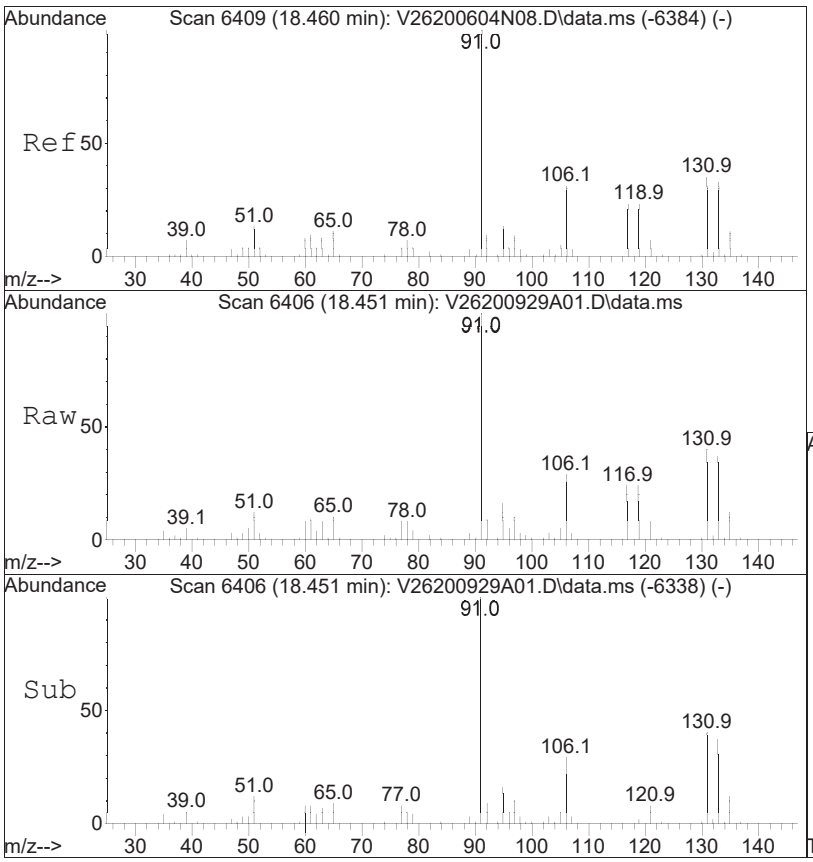


#83
Ethylbenzene
Concen: 39.41 ug/L
RT: 18.474 min Scan# 6414
Delta R.T. -0.017 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 91 Resp: 546827

Ion	Ratio	Lower	Upper
91	100		
106	30.4	26.6	39.8

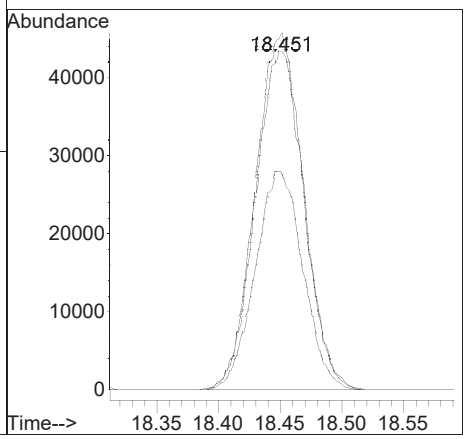


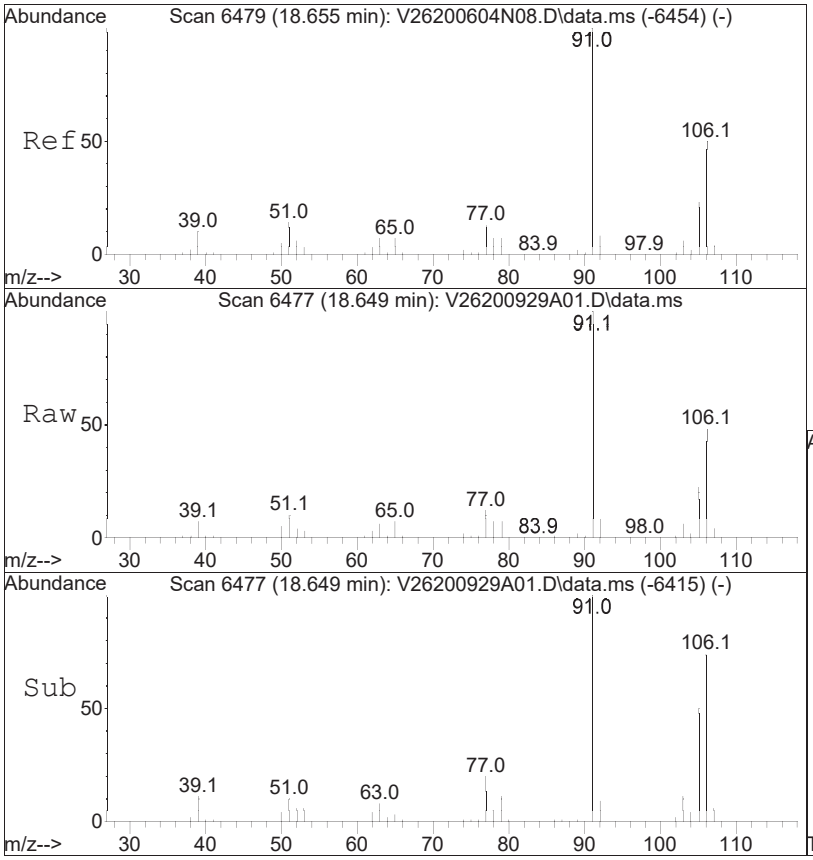


#84
1,1,1,2-Tetrachloroethane
Concen: 44.73 ug/L
RT: 18.451 min Scan# 6406
Delta R.T. -0.011 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion:131 Resp: 123899

Ion	Ratio	Lower	Upper
131	100		
133	95.1	75.1	115.1
119	60.6	46.3	86.3

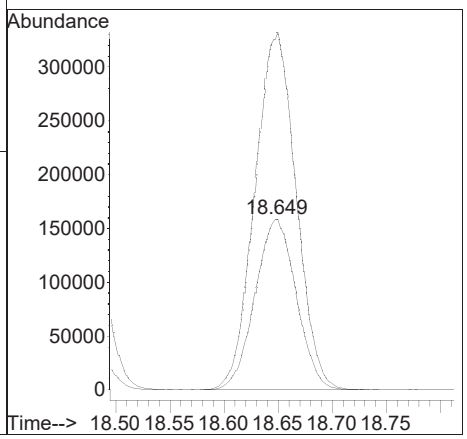


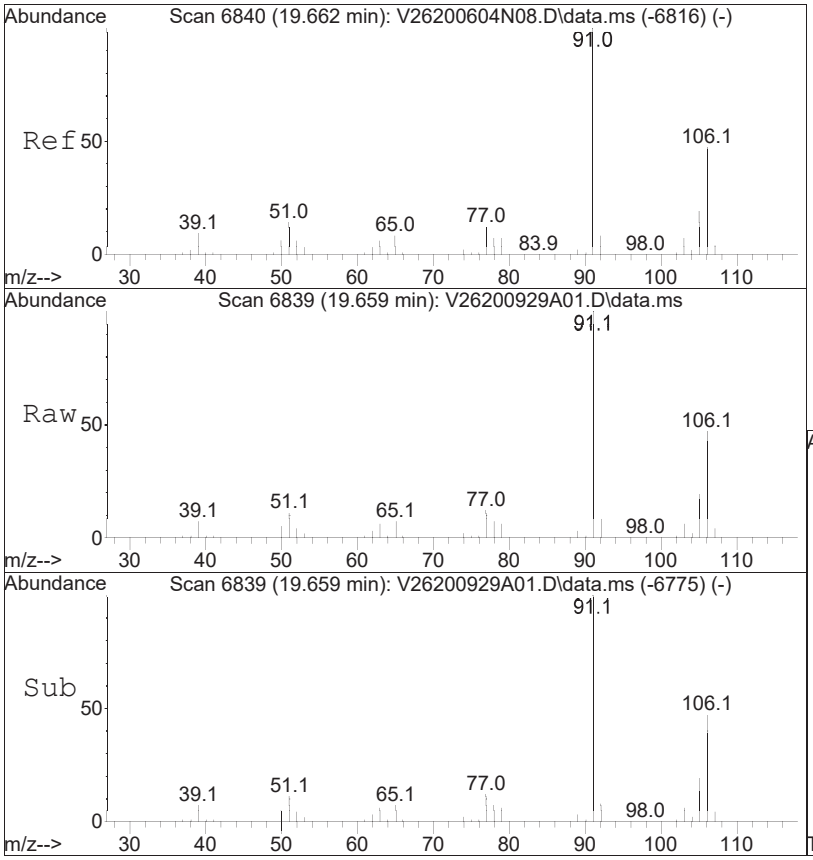


#85
p/m Xylene
Concen: 78.47 ug/L
RT: 18.649 min Scan# 6477
Delta R.T. -0.028 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion:106 Resp: 417759

Ion	Ratio	Lower	Upper
106	100		
91	208.8	147.9	221.9

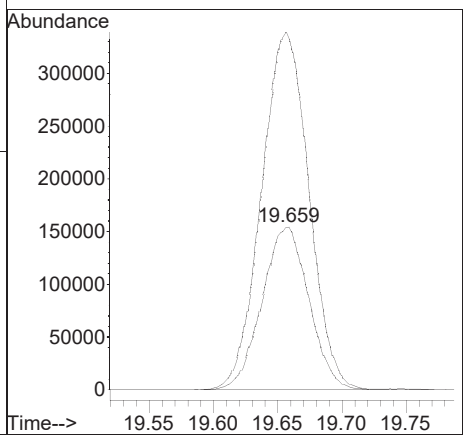


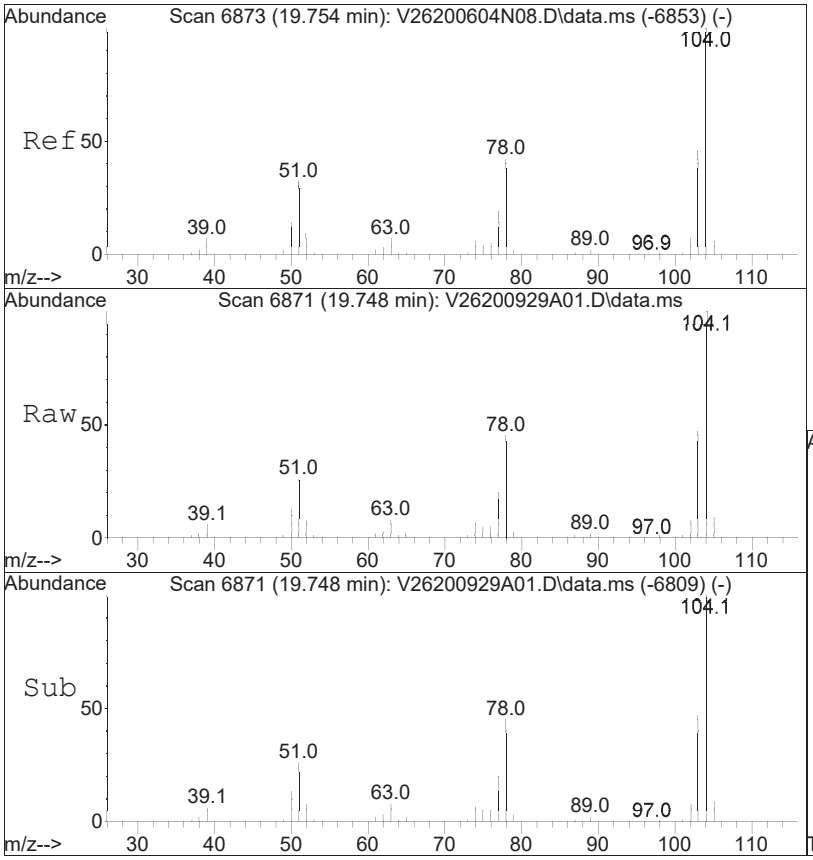


#86
o Xylene
Concen: 76.88 ug/L
RT: 19.659 min Scan# 6839
Delta R.T. -0.022 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion:106 Resp: 389263

Ion	Ratio	Lower	Upper
106	100		
91	221.4	155.0	232.6

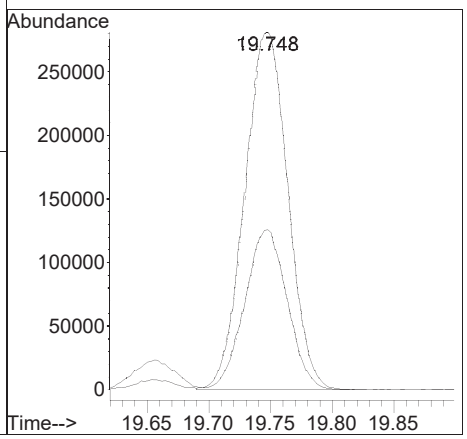


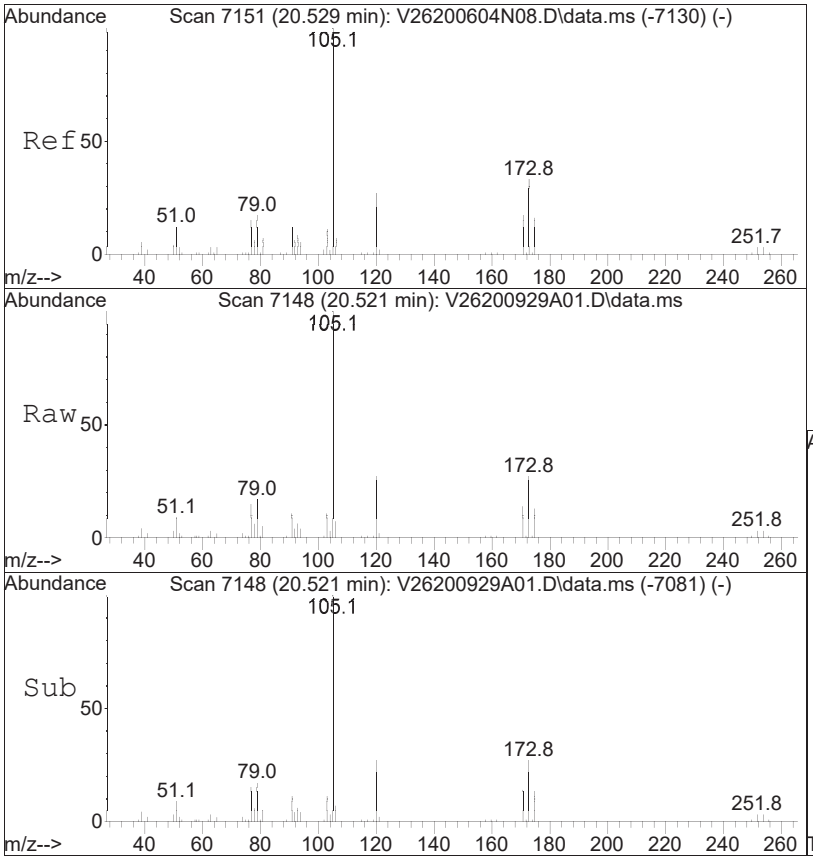


#87
Styrene
Concen: 80.53 ug/L
RT: 19.748 min Scan# 6871
Delta R.T. -0.028 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion:104 Resp: 678391

Ion	Ratio	Lower	Upper
104	100		
78	44.4	36.0	54.0

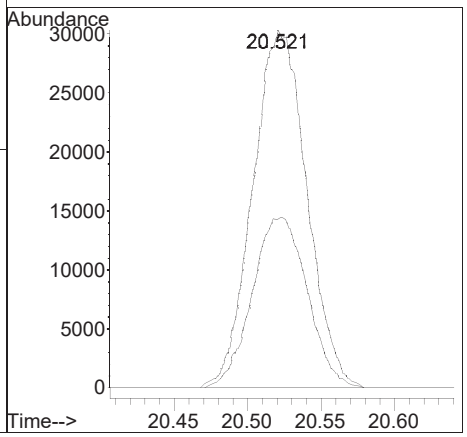


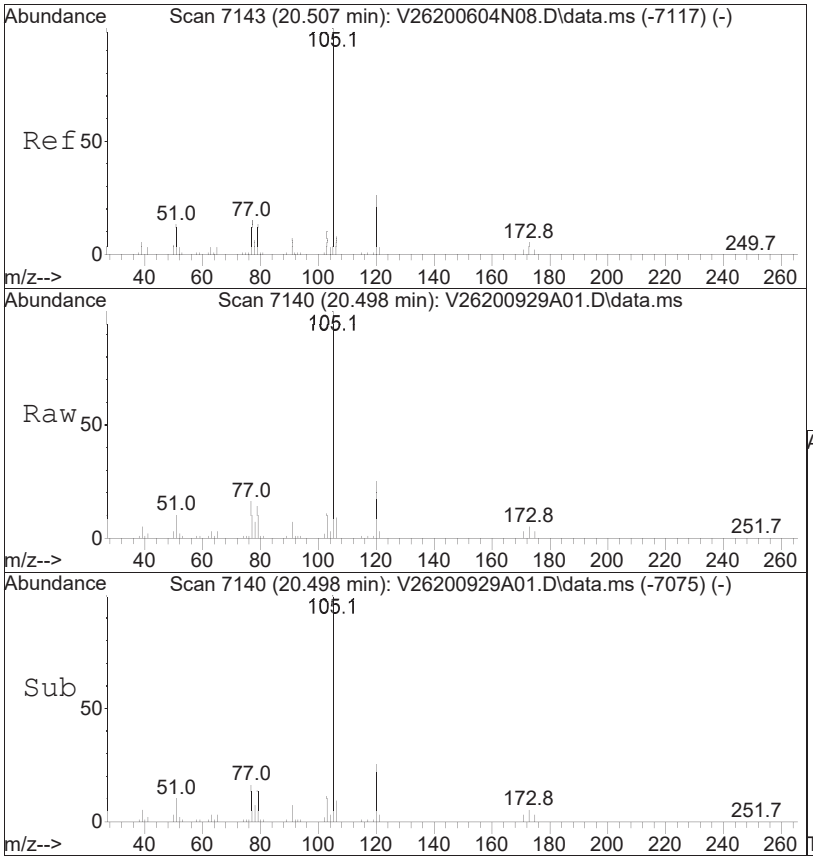


#89
Bromoform
Concen: 47.08 ug/L
RT: 20.521 min Scan# 7148
Delta R.T. -0.014 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion:173 Resp: 77062

Ion	Ratio	Lower	Upper
173	100		
175	48.6	28.7	68.7

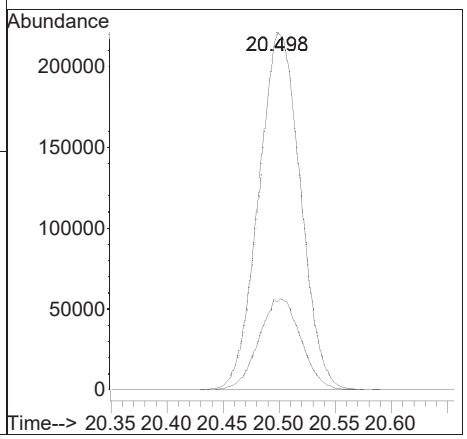


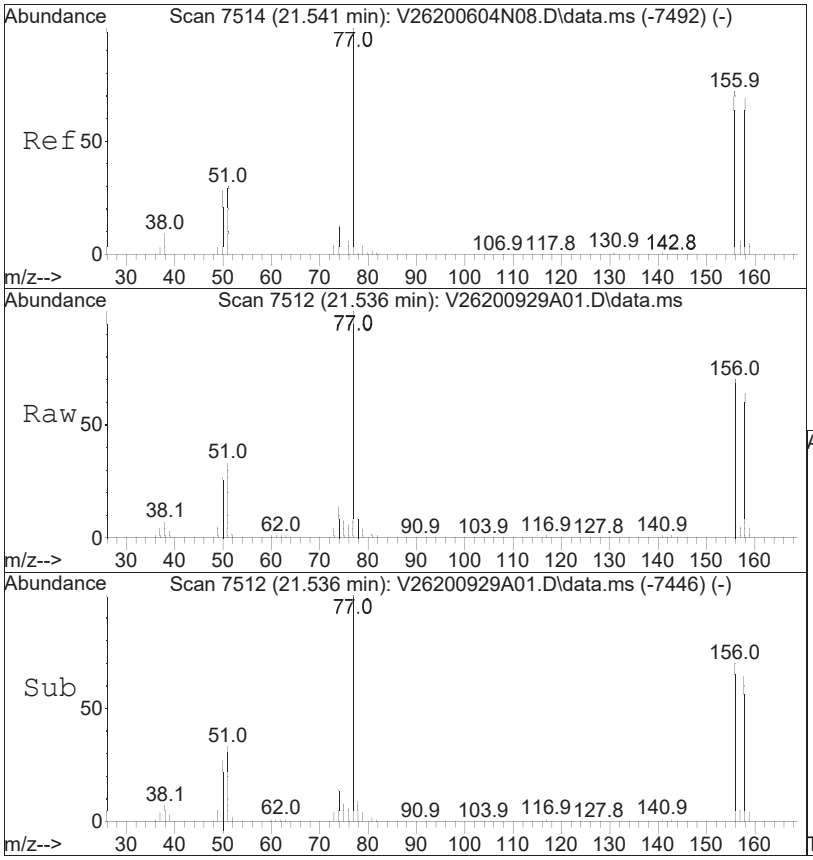


#91
Isopropylbenzene
Concen: 39.97 ug/L
RT: 20.498 min Scan# 7140
Delta R.T. -0.020 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion:105 Resp: 566308

Ion	Ratio	Lower	Upper
105	100		
120	25.7	8.4	48.4

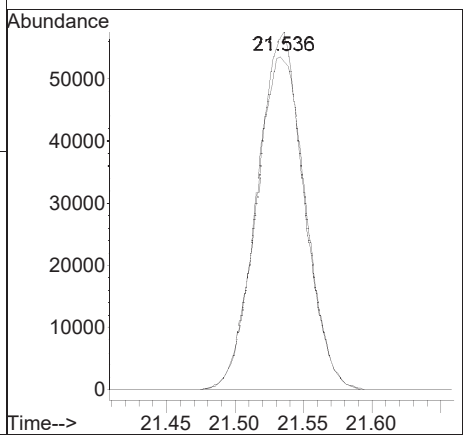


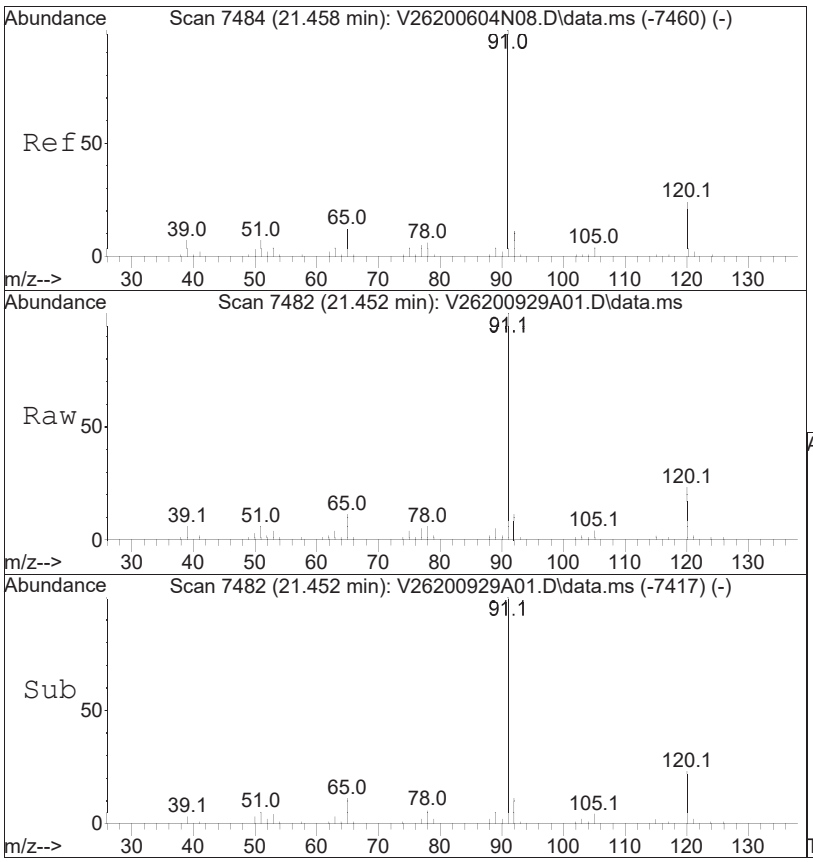


#93
Bromobenzene
Concen: 39.93 ug/L
RT: 21.536 min Scan# 7512
Delta R.T. -0.017 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion:156 Resp: 137250

Ion	Ratio	Lower	Upper
156	100		
158	96.0	77.4	116.2

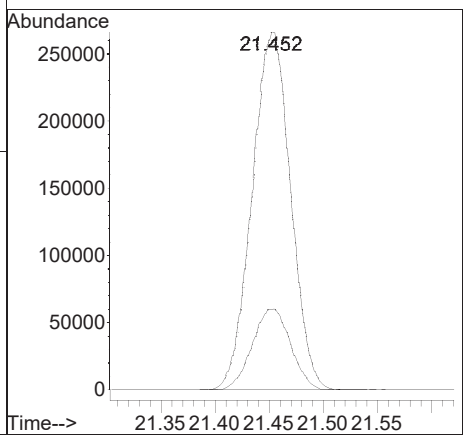


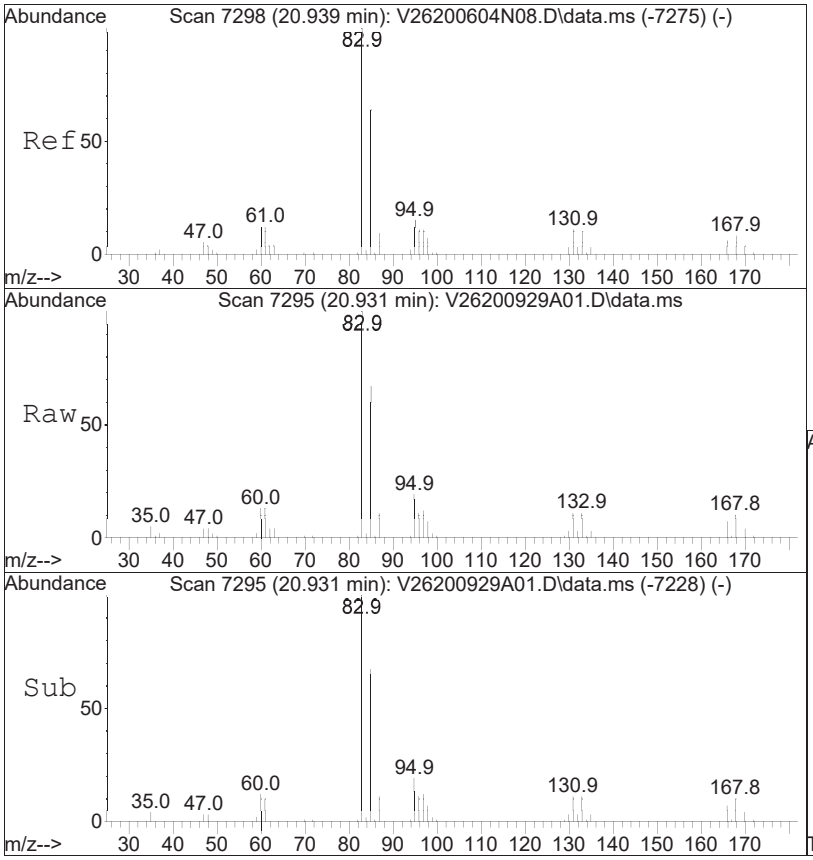


#95
n-Propylbenzene
Concen: 38.66 ug/L
RT: 21.452 min Scan# 7482
Delta R.T. -0.020 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 91 Resp: 651951

Ion	Ratio	Lower	Upper
91	100		
120	22.7	19.9	29.9

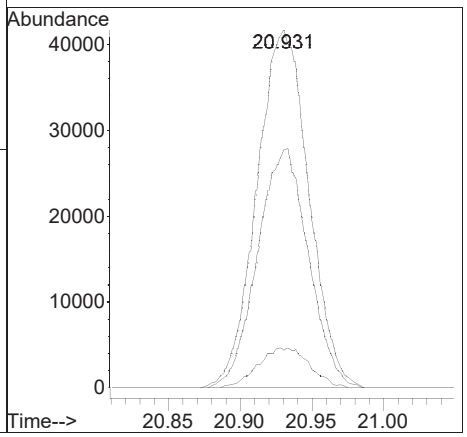


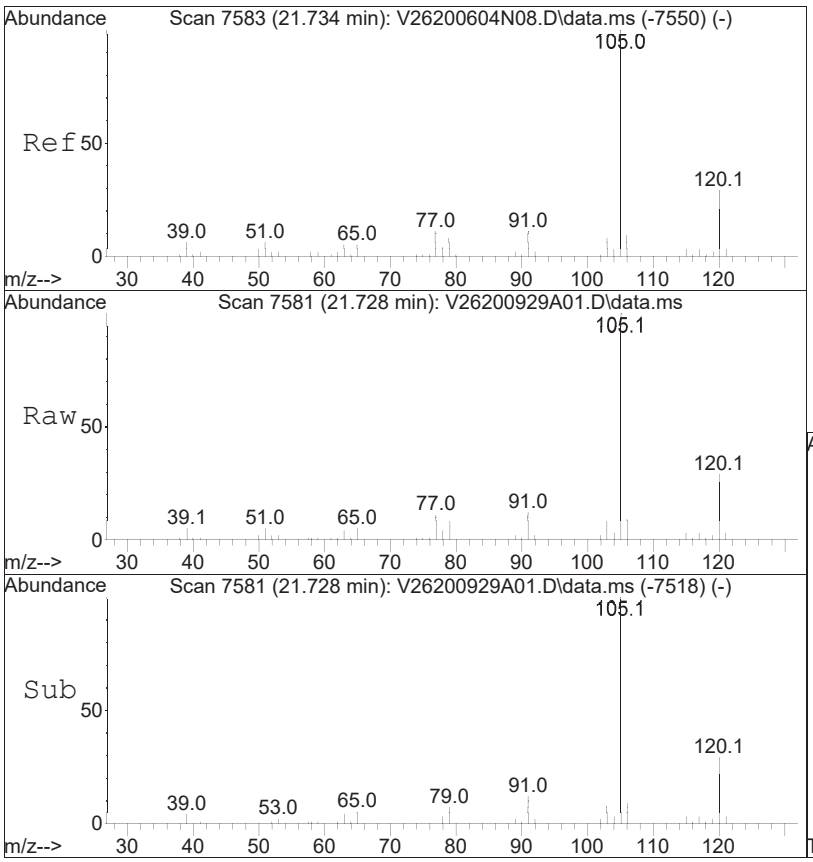


#97
1,1,2,2-Tetrachloroethane
Concen: 38.11 ug/L
RT: 20.931 min Scan# 7295
Delta R.T. -0.014 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 83 Resp: 104152

Ion	Ratio	Lower	Upper
83	100		
131	11.2	0.0	30.3
85	65.6	44.5	84.5

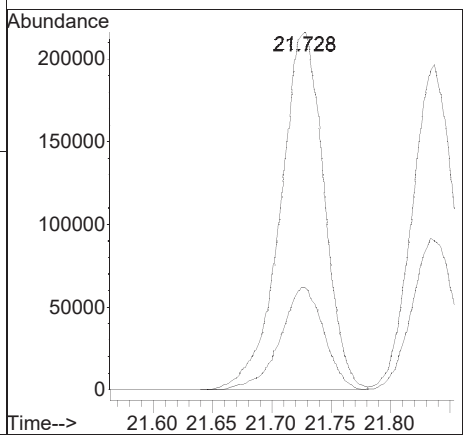


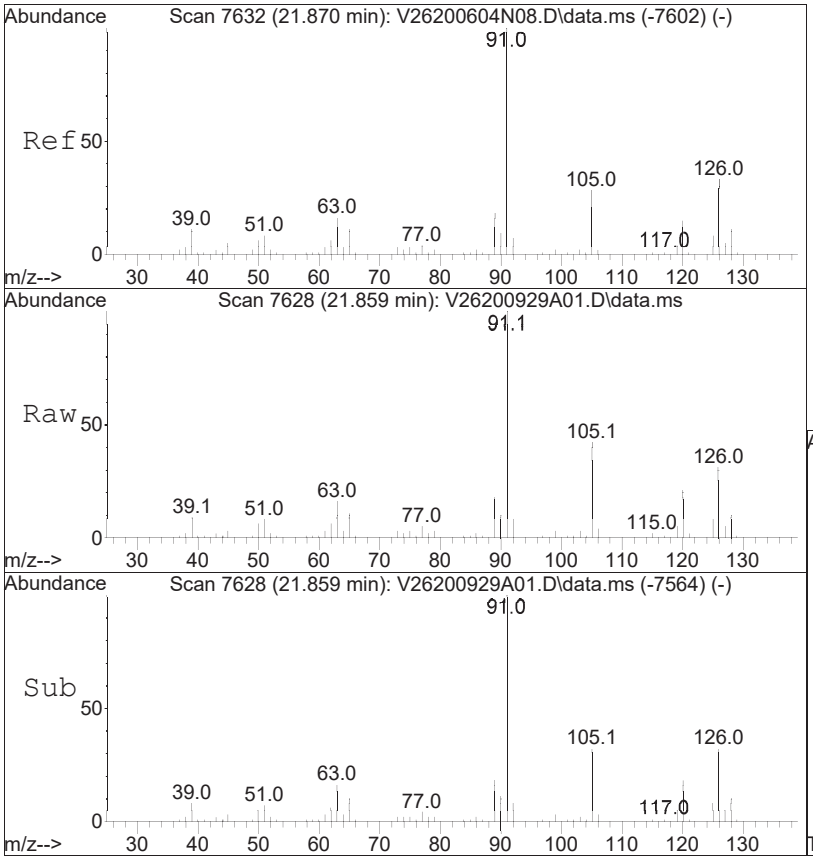


#98
4-Ethyltoluene
Concen: 39.56 ug/L
RT: 21.728 min Scan# 7581
Delta R.T. -0.025 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion:105 Resp: 555135

Ion	Ratio	Lower	Upper
105	100		
120	28.5	20.5	42.5

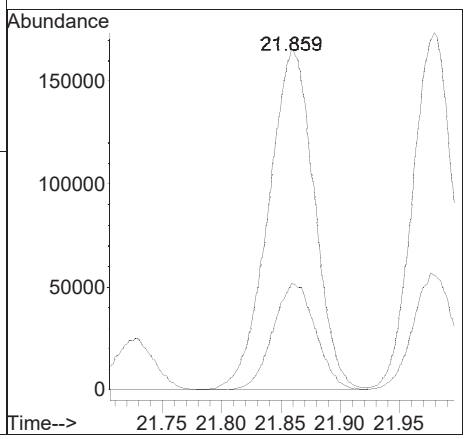


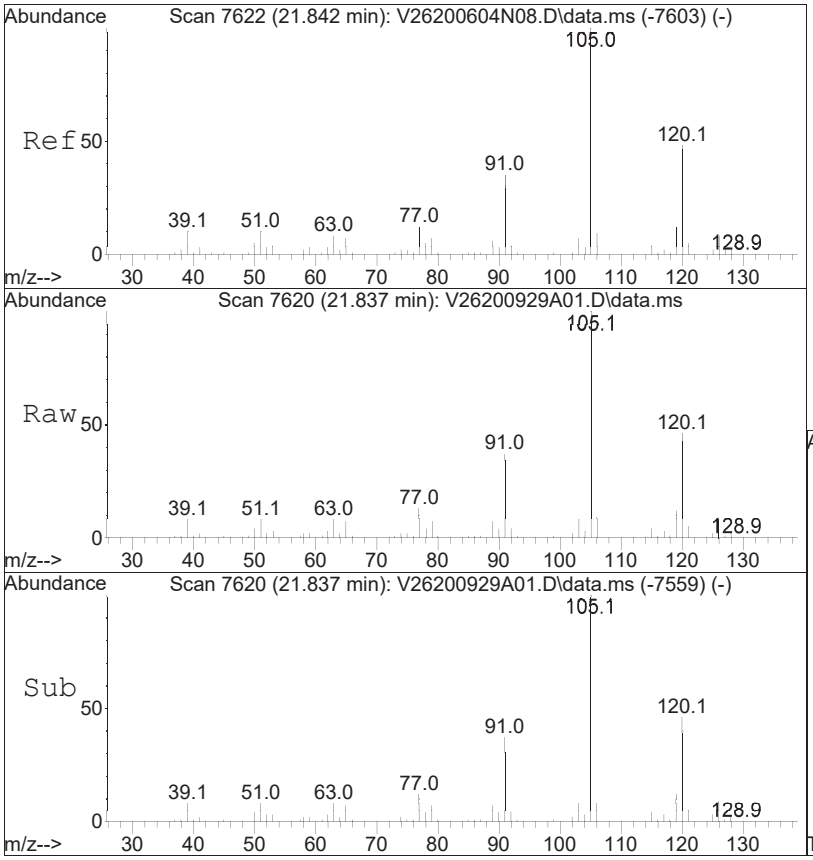


#99
2-Chlorotoluene
Concen: 39.88 ug/L
RT: 21.859 min Scan# 7628
Delta R.T. -0.022 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 91 Resp: 445084

Ion	Ratio	Lower	Upper
91	100		
126	29.0	25.4	38.0

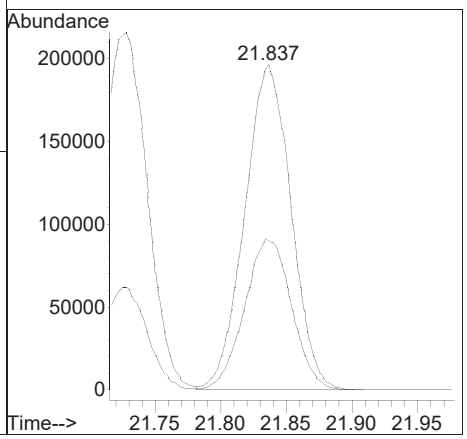


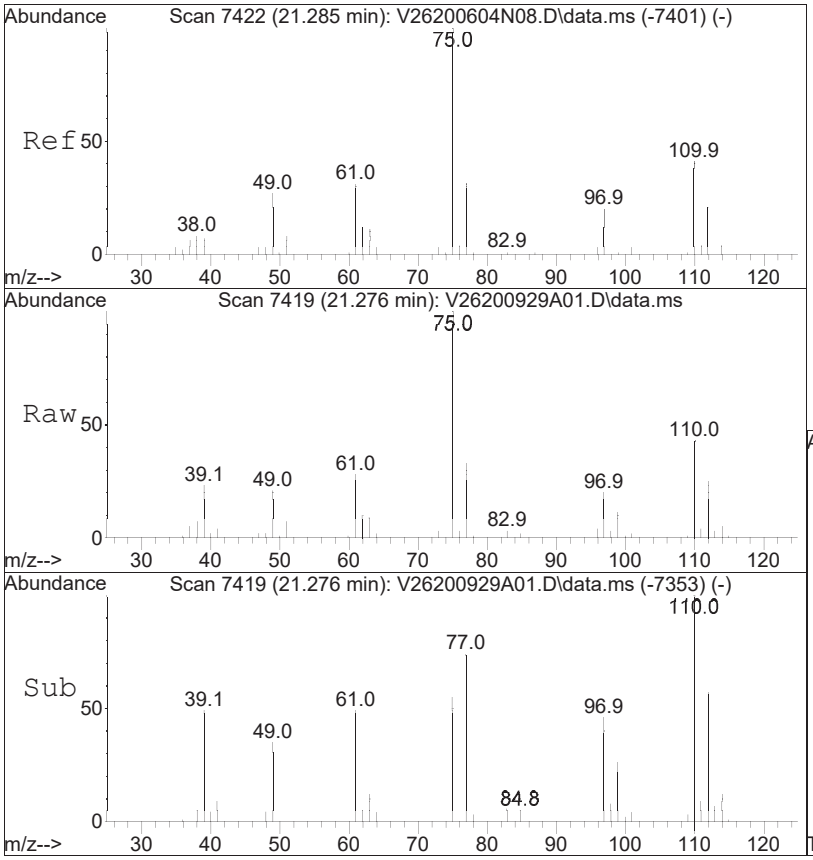


#100
1,3,5-Trimethylbenzene
Concen: 40.38 ug/L
RT: 21.837 min Scan# 7620
Delta R.T. -0.031 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion:105 Resp: 480280

Ion	Ratio	Lower	Upper
105	100		
120	47.2	41.4	62.0

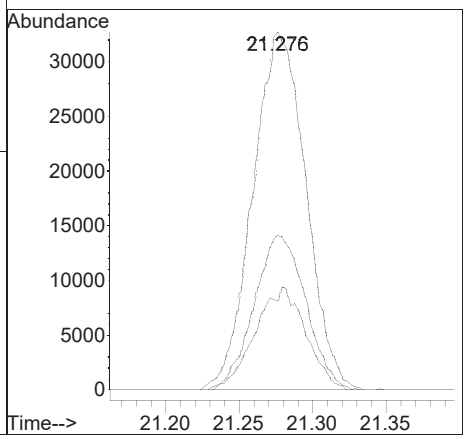


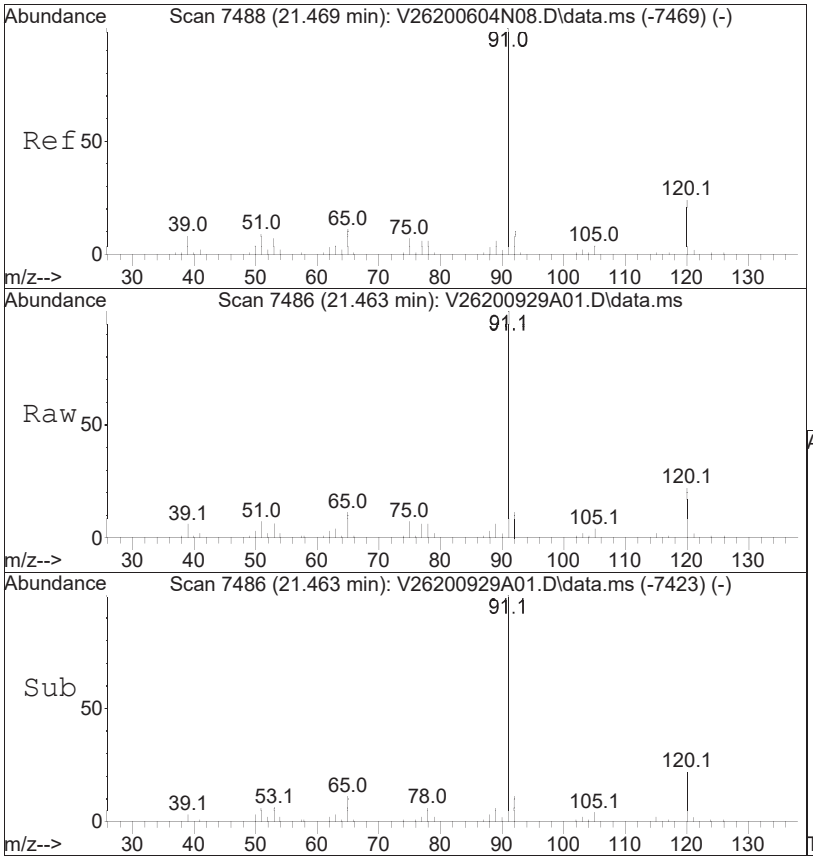


#101
1,2,3-Trichloropropane
Concen: 39.77 ug/L
RT: 21.276 min Scan# 7419
Delta R.T. -0.017 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 75 Resp: 81632

Ion	Ratio	Lower	Upper
75	100		
110	42.3	25.8	53.6
112	27.5	16.4	34.0

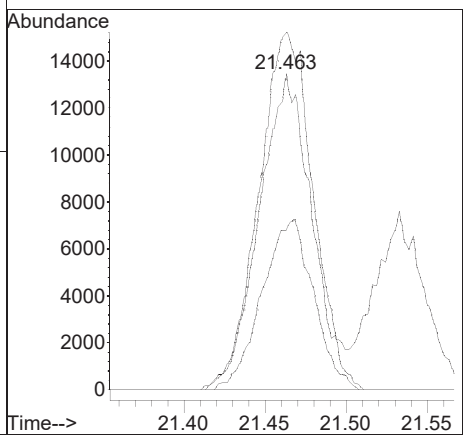


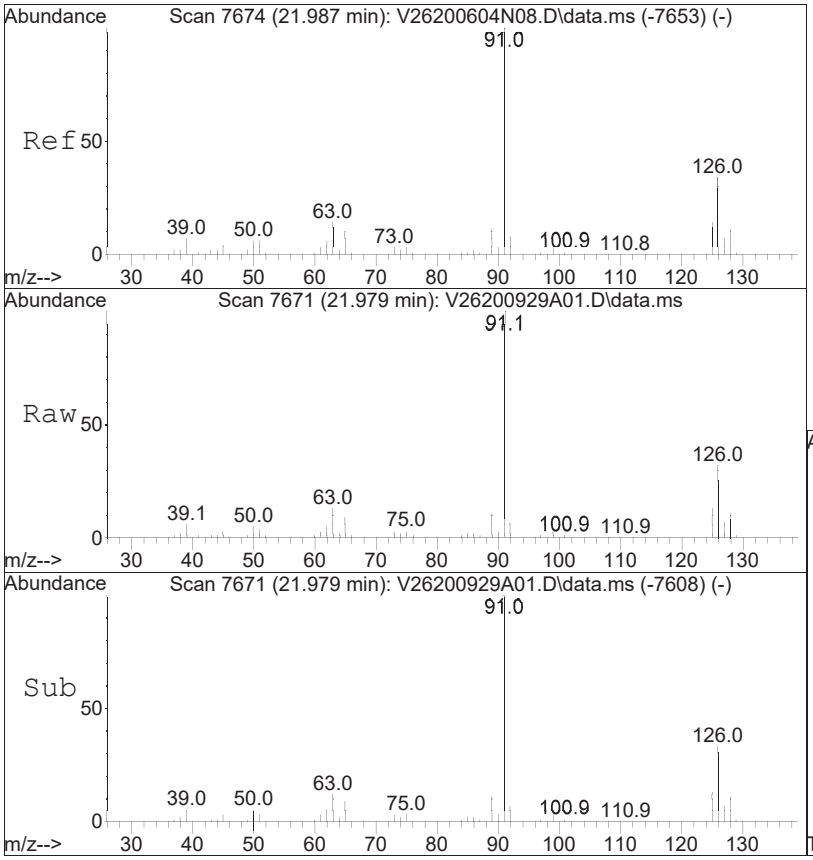


#102
trans-1,4-Dichloro-2-butene
Concen: 32.90 ug/L
RT: 21.463 min Scan# 7486
Delta R.T. -0.022 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 53 Resp: 30214

Ion	Ratio	Lower	Upper
53	100		
88	53.0	37.4	56.0
75	118.2	103.8	155.6

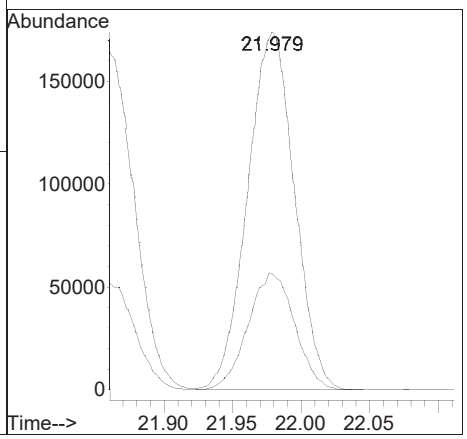


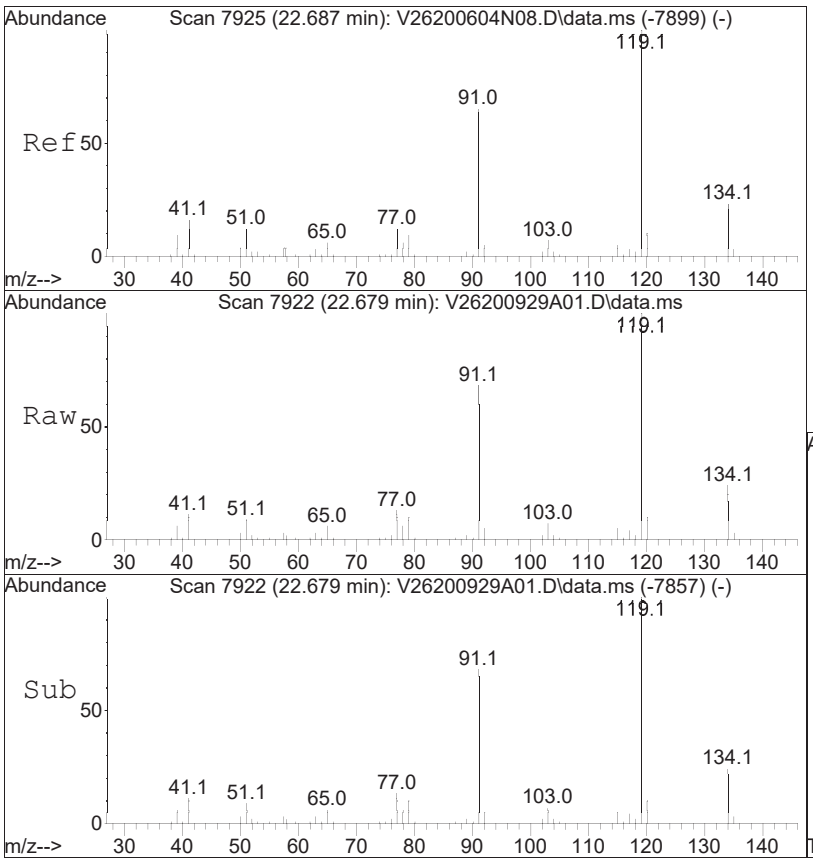


#103
4-Chlorotoluene
Concen: 39.36 ug/L
RT: 21.979 min Scan# 7671
Delta R.T. -0.025 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 91 Resp: 412976

Ion	Ratio	Lower	Upper
91	100		
126	32.6	28.4	42.6

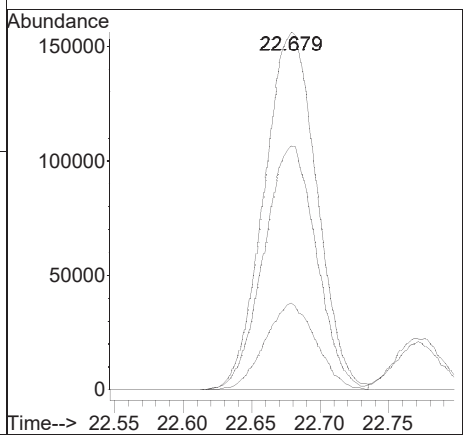


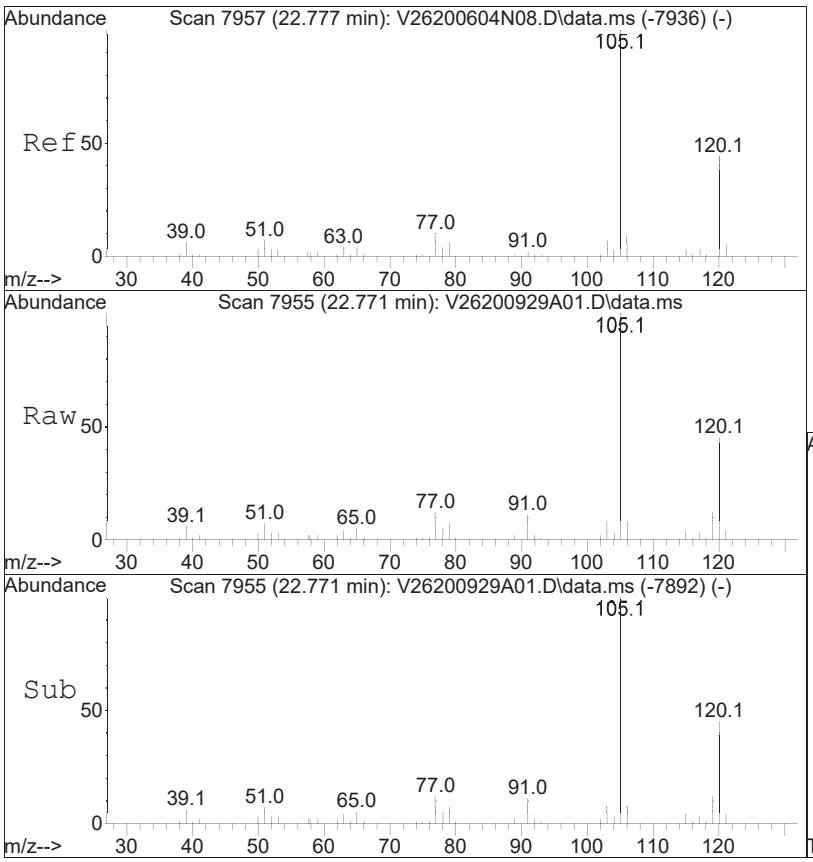


#104
tert-Butylbenzene
Concen: 41.27 ug/L
RT: 22.679 min Scan# 7922
Delta R.T. -0.020 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion:119 Resp: 415638

Ion	Ratio	Lower	Upper
119	100		
91	68.3	52.6	79.0
134	23.6	20.7	31.1

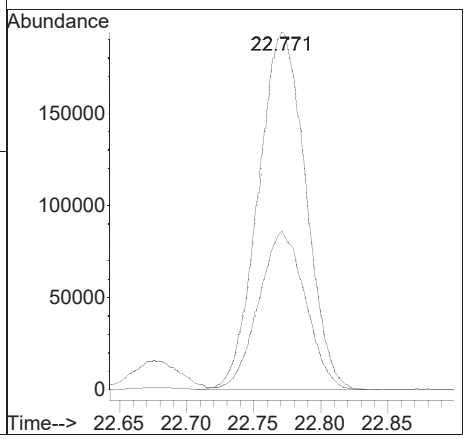


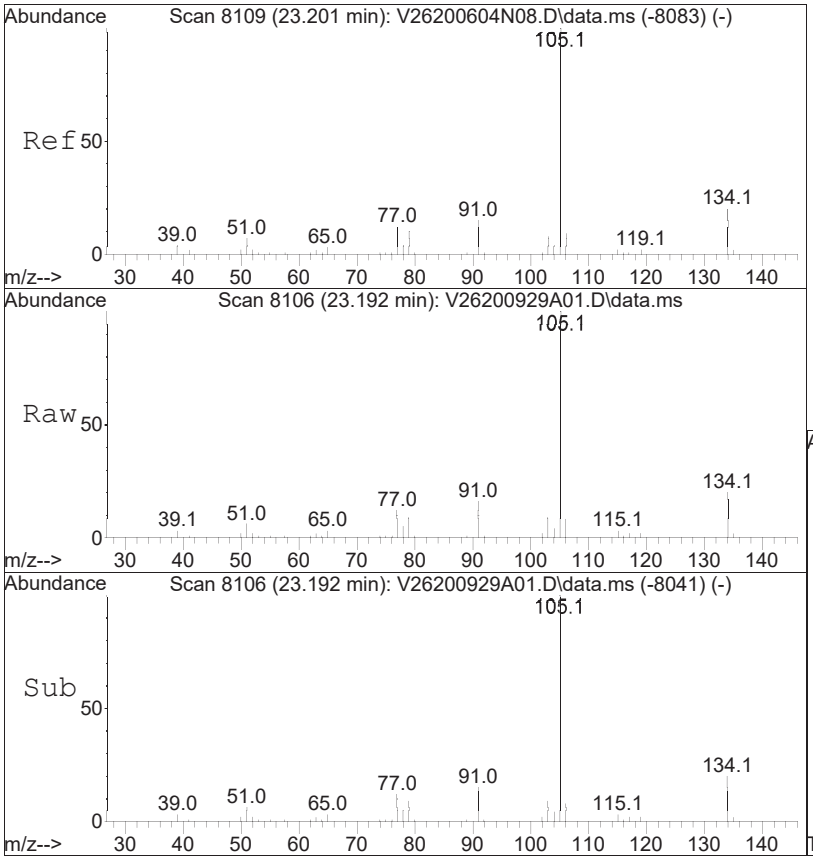


#107
1,2,4-Trimethylbenzene
Concen: 39.70 ug/L
RT: 22.771 min Scan# 7955
Delta R.T. -0.025 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion:105 Resp: 473124

Ion	Ratio	Lower	Upper
105	100		
120	44.0	38.7	58.1

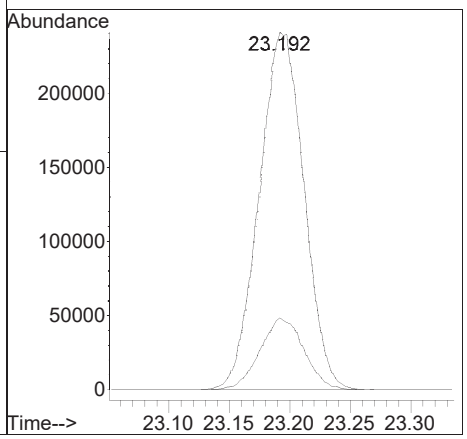


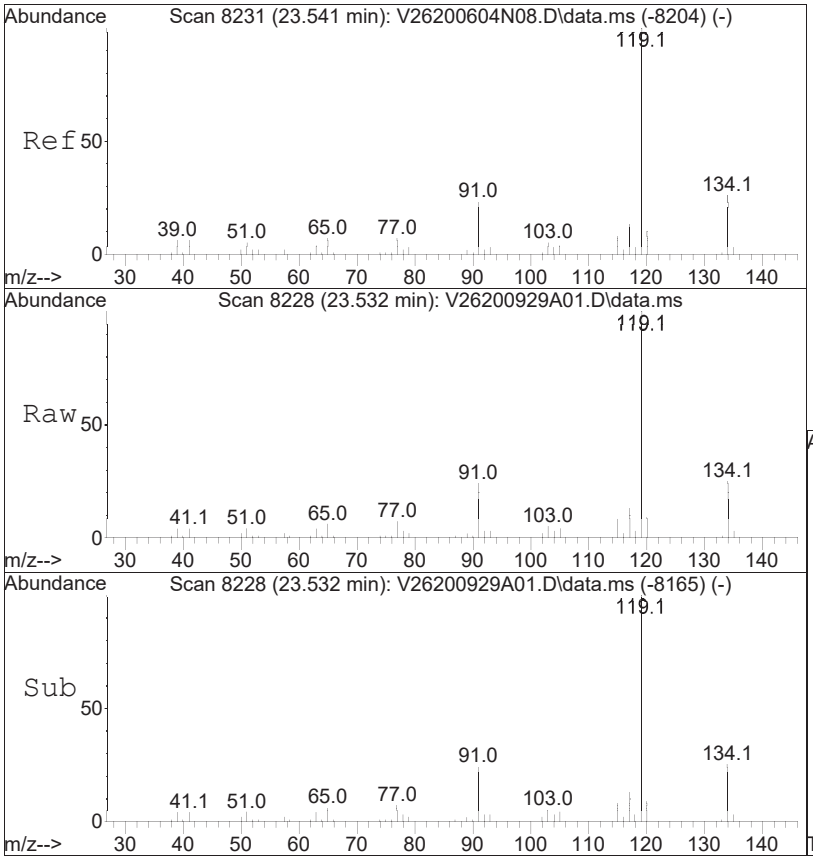


#109
sec-Butylbenzene
Concen: 40.75 ug/L
RT: 23.192 min Scan# 8106
Delta R.T. -0.020 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion:105 Resp: 615550

Ion	Ratio	Lower	Upper
105	100		
134	19.7	14.0	29.0

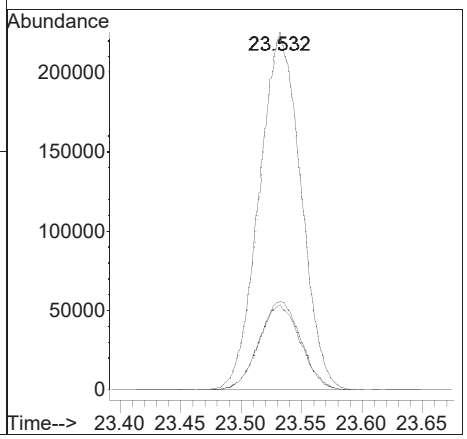


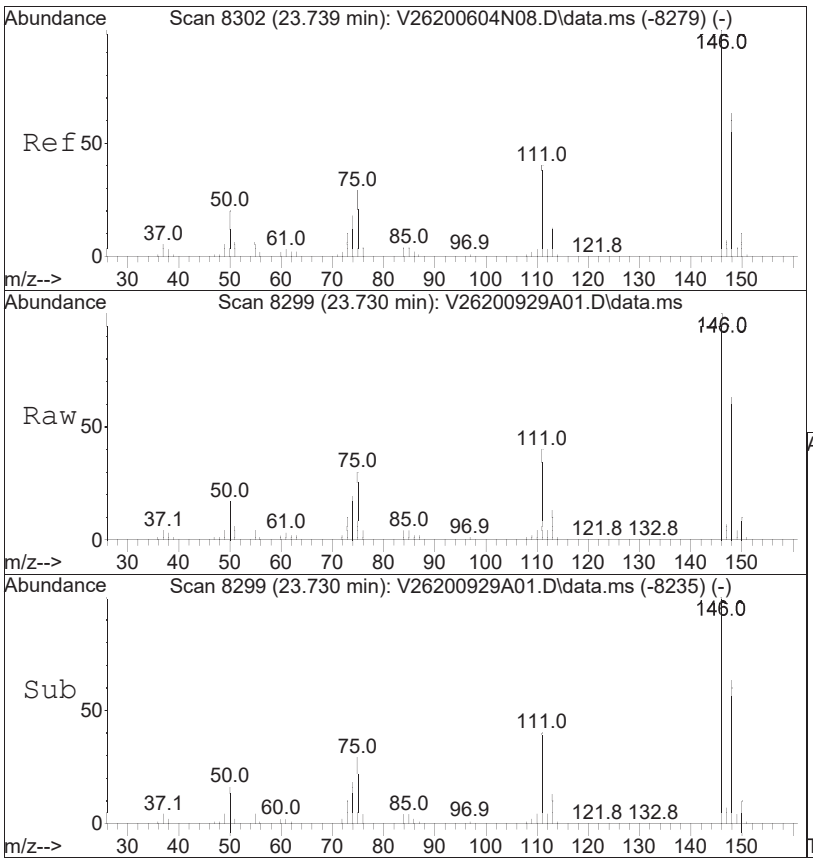


#110
p-Isopropyltoluene
Concen: 41.03 ug/L
RT: 23.532 min Scan# 8228
Delta R.T. -0.025 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion:119 Resp: 533851

Ion	Ratio	Lower	Upper
119	100		
134	25.0	18.0	37.4
91	23.9	15.3	31.9

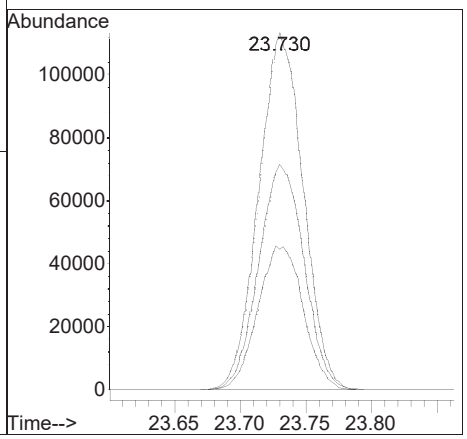


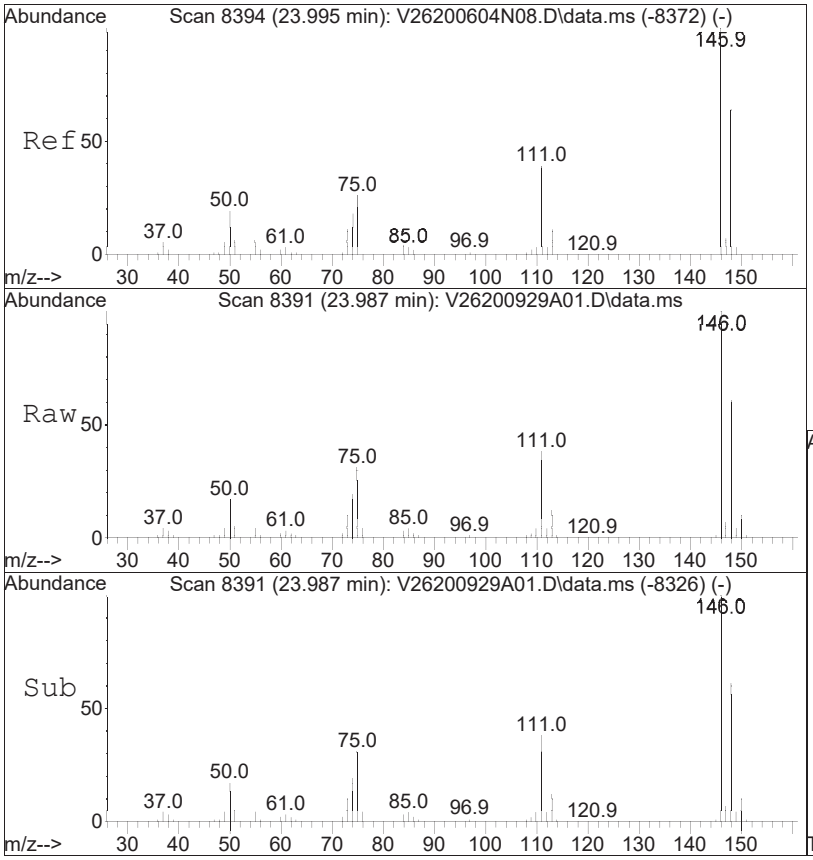


#111
1,3-Dichlorobenzene
Concen: 38.83 ug/L
RT: 23.730 min Scan# 8299
Delta R.T. -0.022 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion:146 Resp: 265468

Ion	Ratio	Lower	Upper
146	100		
111	41.3	26.4	54.8
148	64.3	41.7	86.5

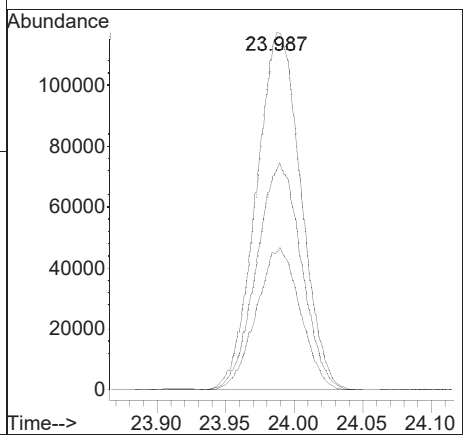


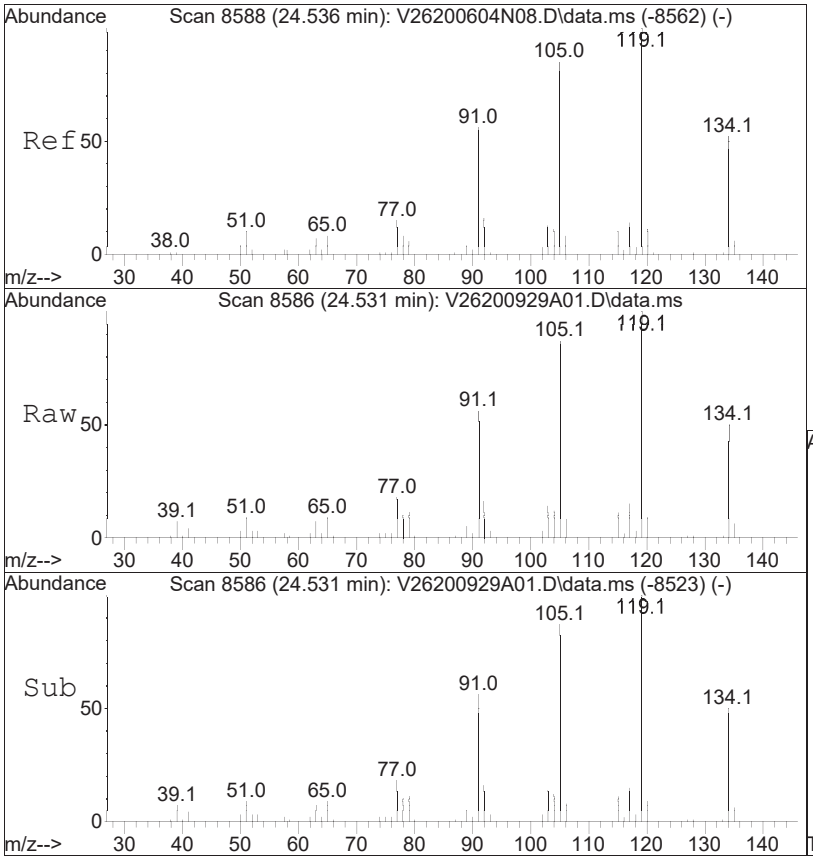


#112
1,4-Dichlorobenzene
Concen: 39.16 ug/L
RT: 23.987 min Scan# 8391
Delta R.T. -0.020 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion:146 Resp: 264606

Ion	Ratio	Lower	Upper
146	100		
111	39.3	31.2	46.8
148	63.8	51.4	77.0

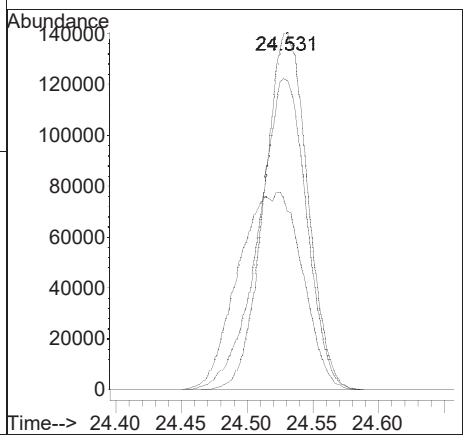


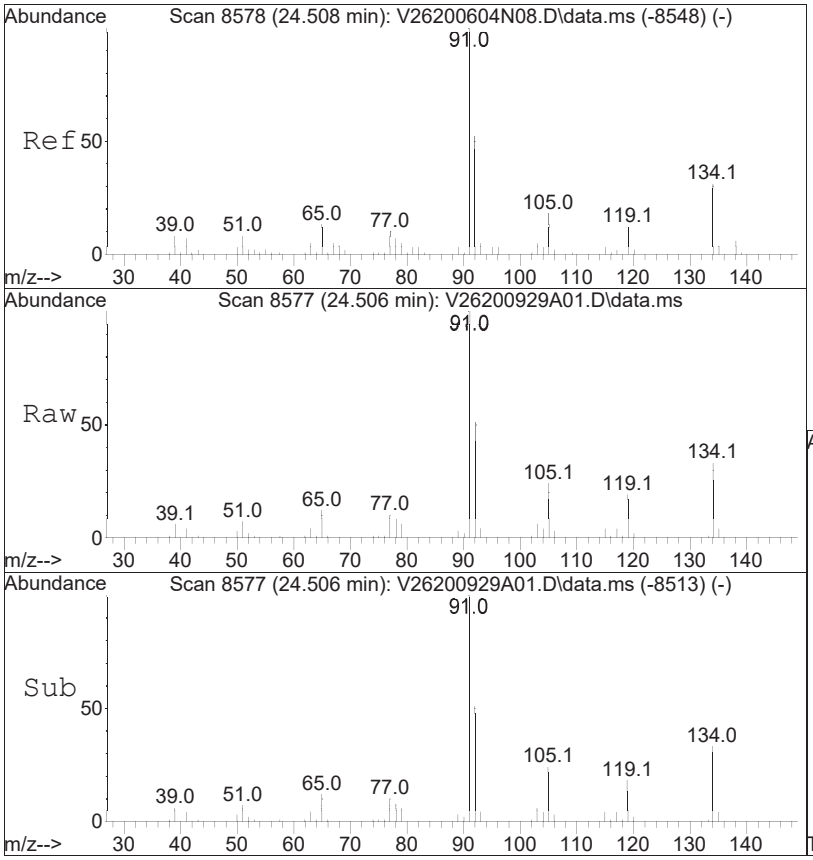


#115
p-Diethylbenzene
Concen: 40.30 ug/L
RT: 24.531 min Scan# 8586
Delta R.T. -0.025 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion:119 Resp: 320766

Ion	Ratio	Lower	Upper
119	100		
105	96.2	62.7	130.3
134	81.7	55.7	115.7

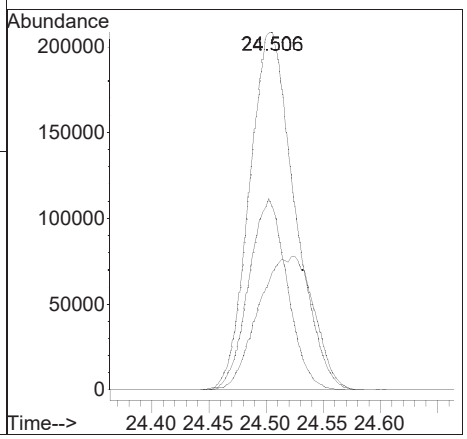


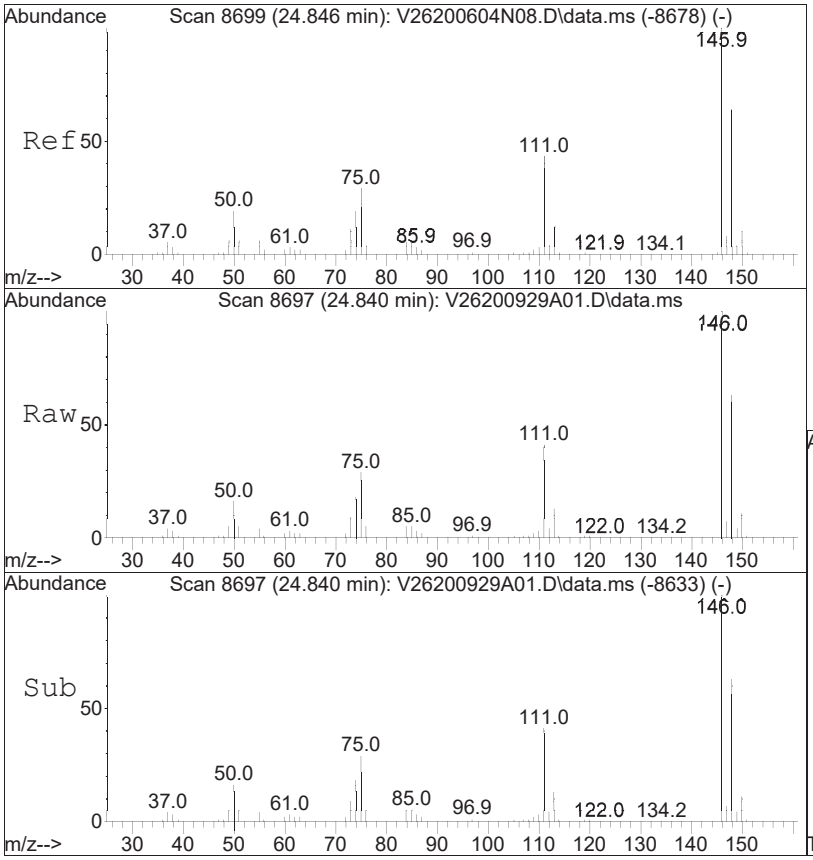


#116
n-Butylbenzene
Concen: 38.28 ug/L
RT: 24.506 min Scan# 8577
Delta R.T. -0.022 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion: 91 Resp: 566641

Ion	Ratio	Lower	Upper
91	100		
92	46.1	38.2	57.4
134	46.3	39.1	58.7

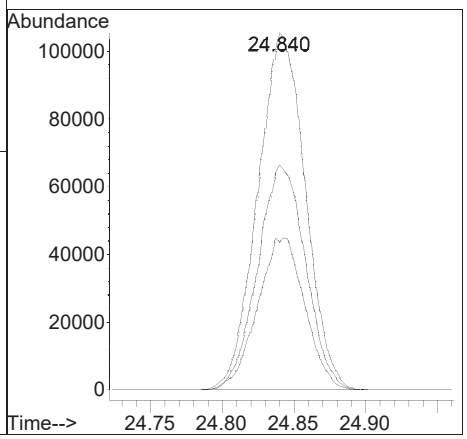


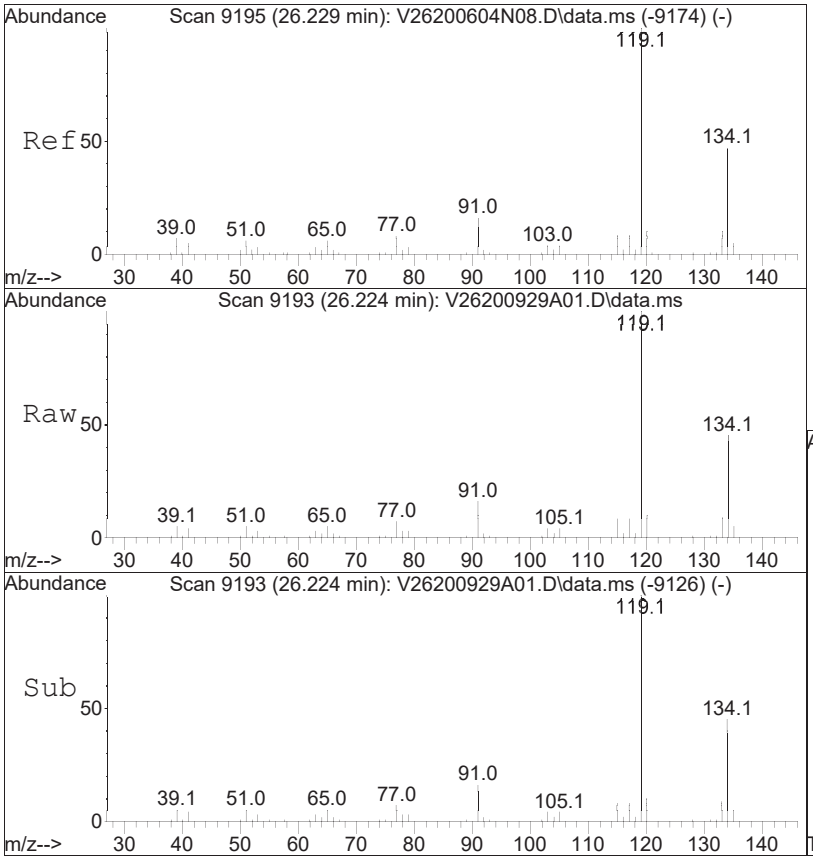


#118
1,2-Dichlorobenzene
Concen: 39.34 ug/L
RT: 24.840 min Scan# 8697
Delta R.T. -0.022 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion:146 Resp: 241573

Ion	Ratio	Lower	Upper
146	100		
111	42.6	27.3	56.7
148	63.6	41.6	86.4

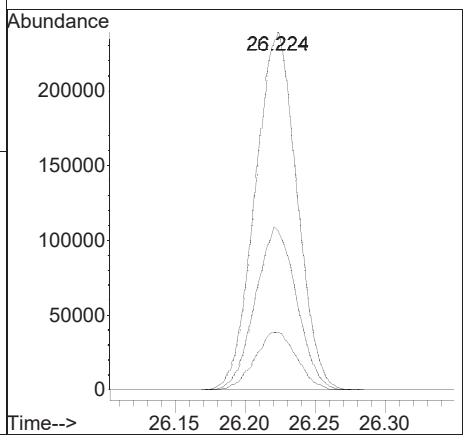


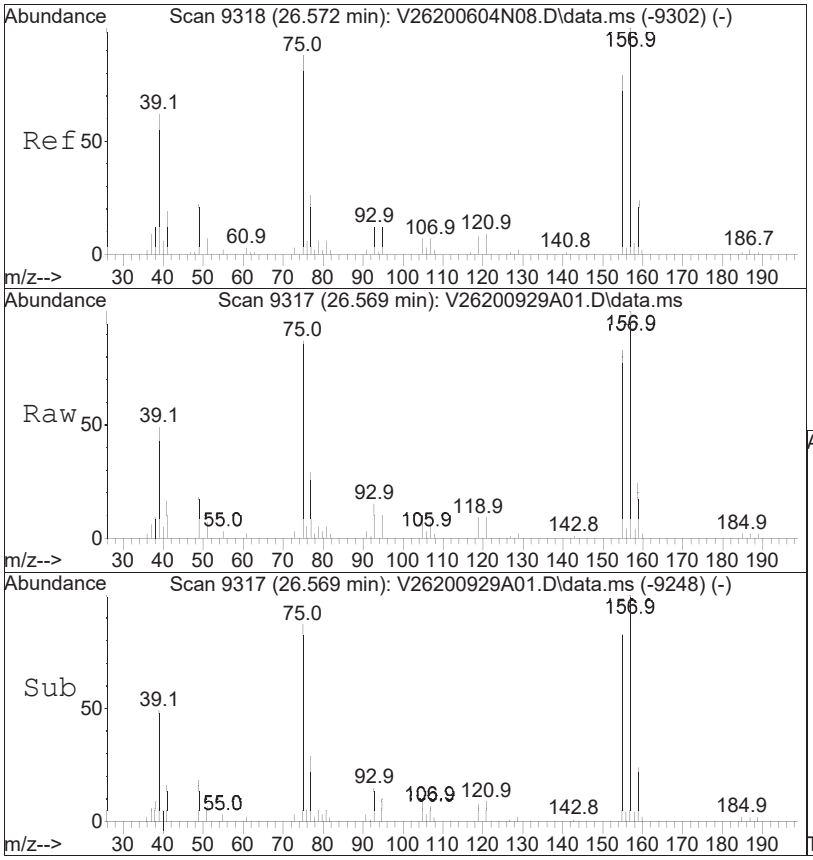


#120
1,2,4,5-Tetramethylbenzene
Concen: 41.24 ug/L
RT: 26.224 min Scan# 9193
Delta R.T. -0.014 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion:119 Resp: 489284

Ion	Ratio	Lower	Upper
119	100		
134	45.1	32.8	68.2
91	16.3	10.7	22.3

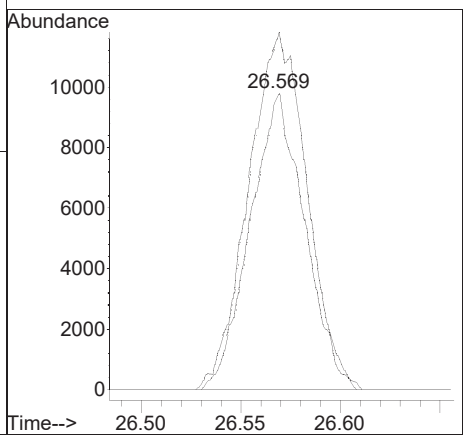


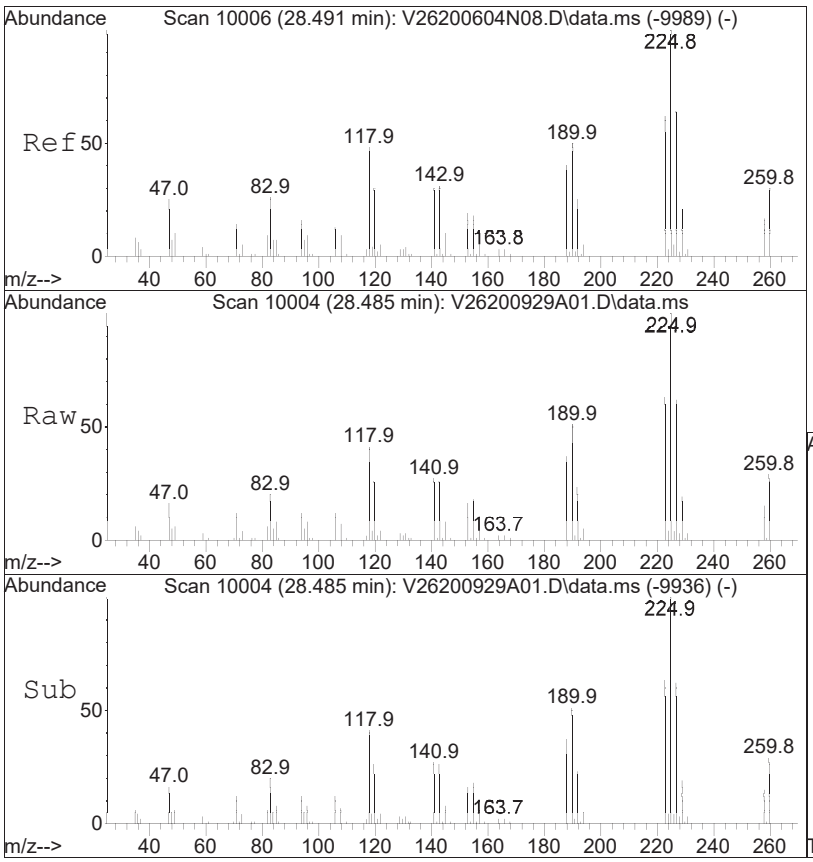


#121
1,2-Dibromo-3-chloropropane
Concen: 43.11 ug/L
RT: 26.569 min Scan# 9317
Delta R.T. -0.008 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion:155 Resp: 18590

Ion	Ratio	Lower	Upper
155	100		
157	129.3	101.7	152.5

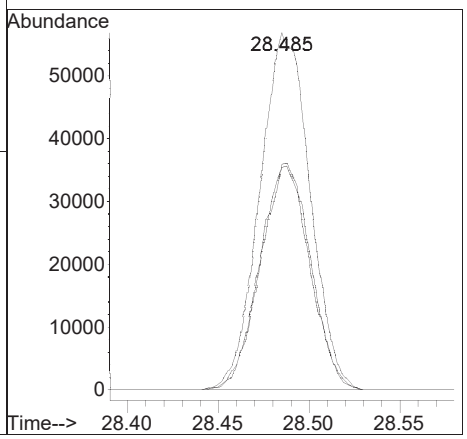


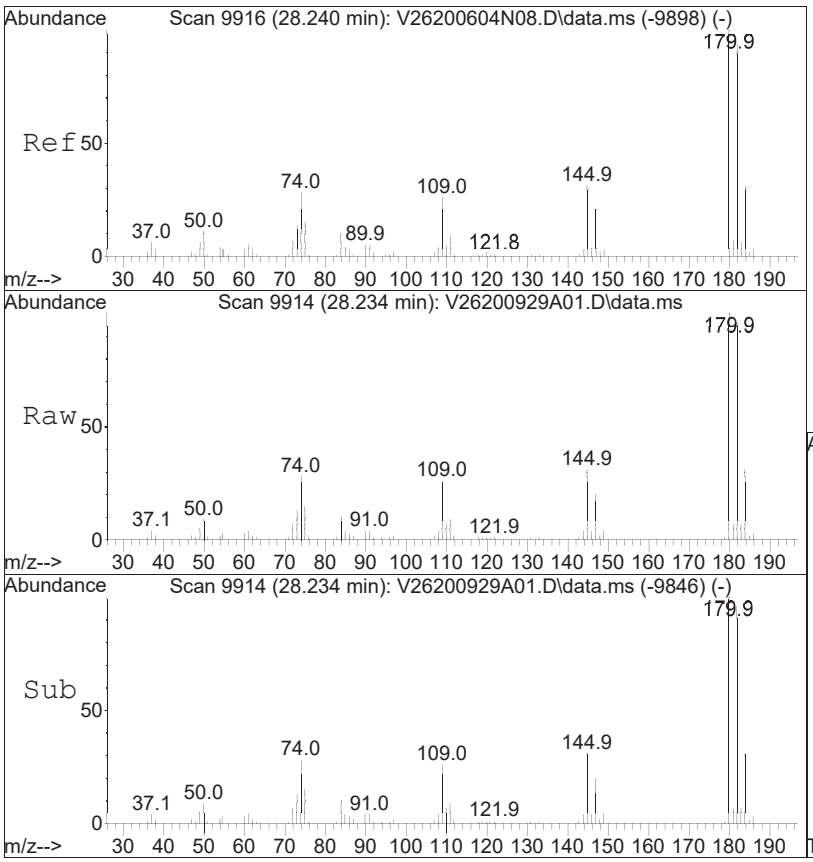


#124
Hexachlorobutadiene
Concen: 49.61 ug/L
RT: 28.485 min Scan# 10004
Delta R.T. -0.011 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion:225 Resp: 108993

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.1	75.1
227	63.3	51.5	77.3

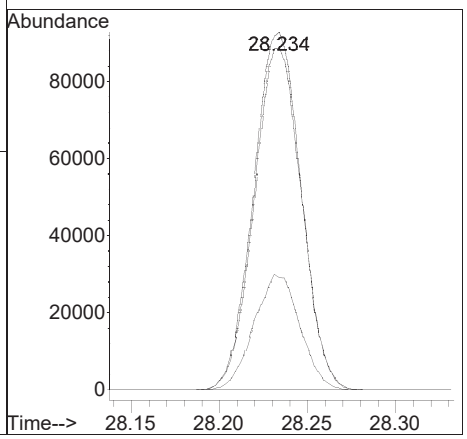


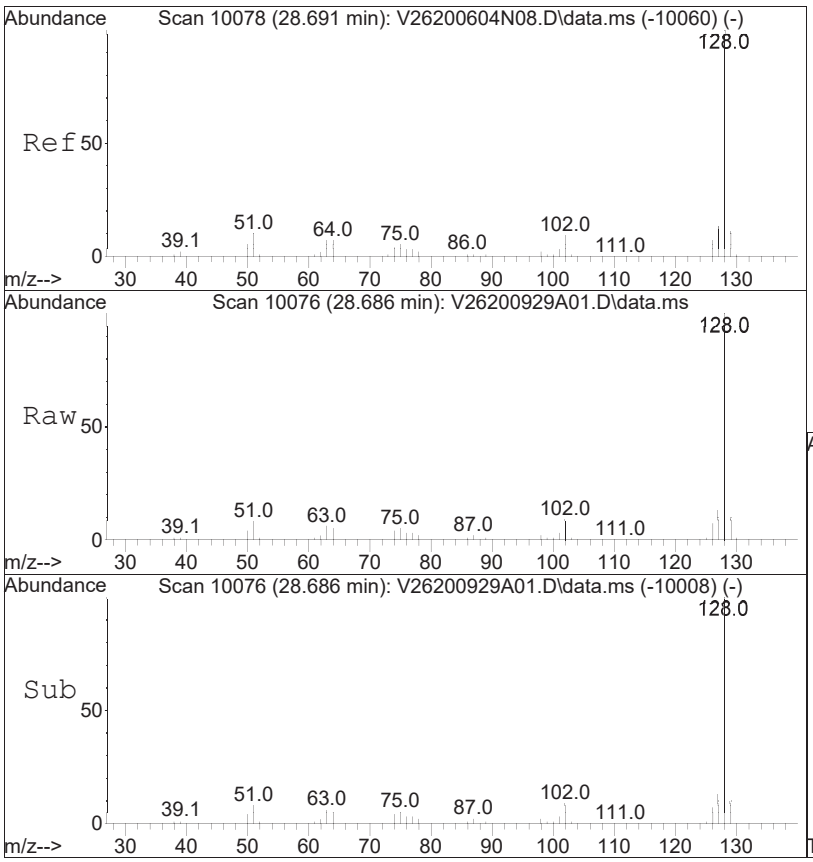


#125
1,2,4-Trichlorobenzene
Concen: 40.39 ug/L
RT: 28.234 min Scan# 9914
Delta R.T. -0.011 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion:180 Resp: 172502

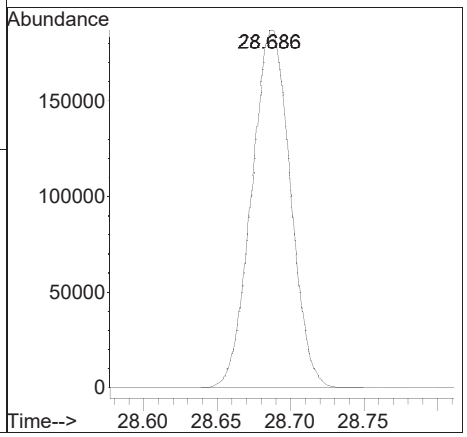
Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.8	113.8
145	31.4	25.8	38.8

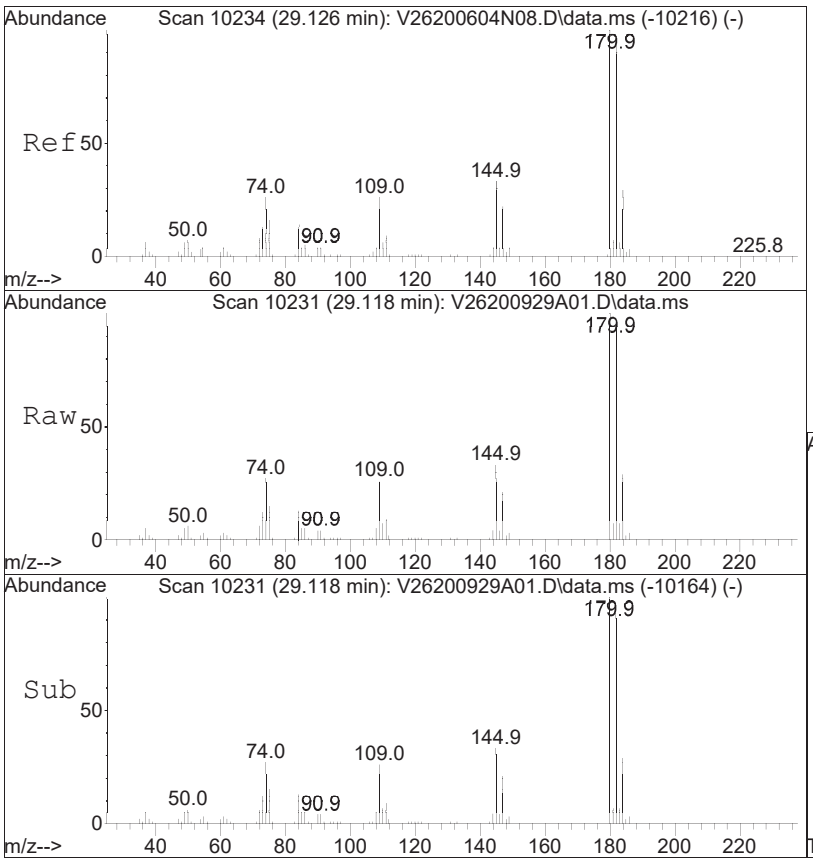




#126
Naphthalene
Concen: 38.62 ug/L
RT: 28.686 min Scan# 10076
Delta R.T. -0.011 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion:128 Resp: 339652

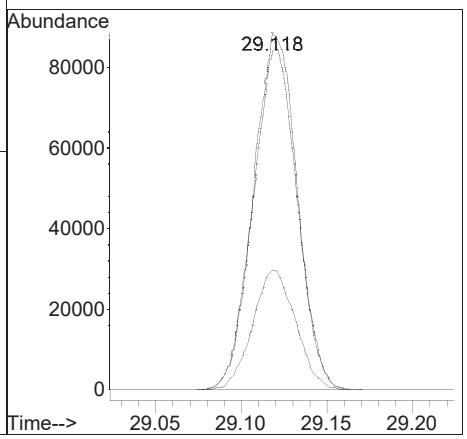




#127
1,2,3-Trichlorobenzene
Concen: 41.43 ug/L
RT: 29.118 min Scan# 10231
Delta R.T. -0.014 min
Lab File: V26200929A01.D
Acq: 29 Sep 2020 08:50

Tgt Ion:180 Resp: 157197

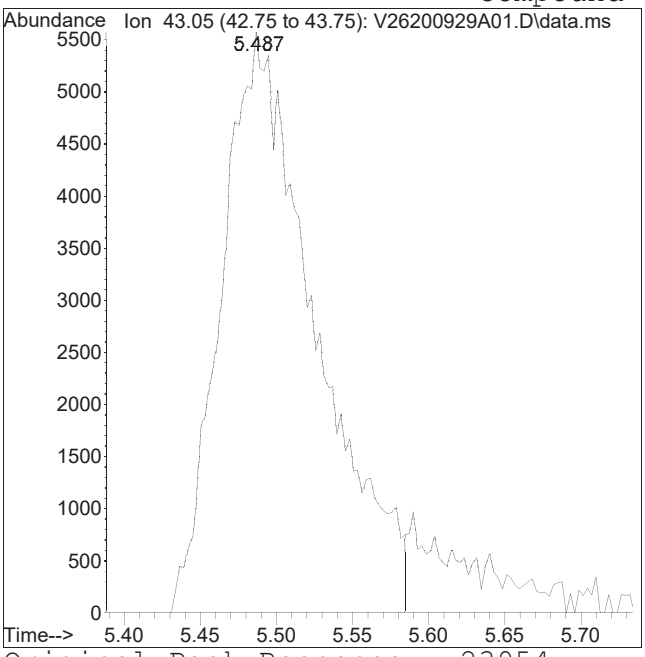
Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.0	114.0
145	33.0	27.5	41.3



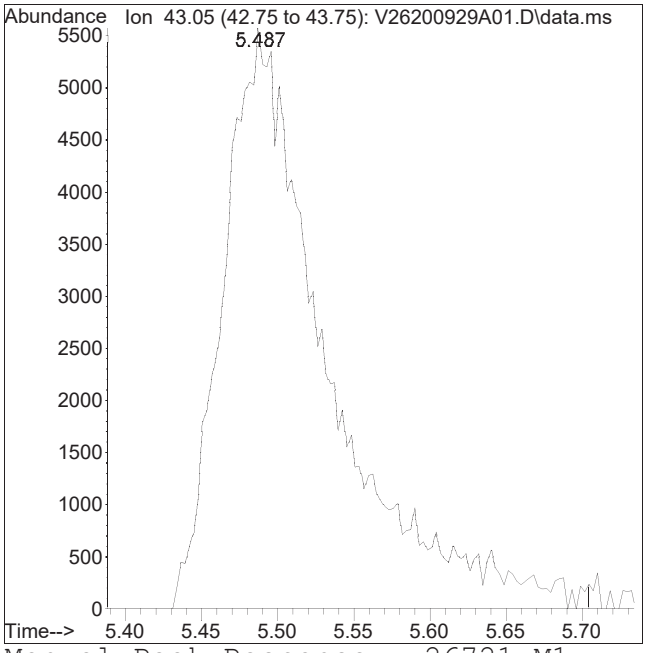
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200929A01.D Operator : VOA126:MV
Date Inj'd : 9/29/2020 8:50 Instrument : VOA126
Sample : WG1416109-3,31,5,5 Quant Date : 9/29/2020 9:37 am

Compound #19: Acetone



Original Peak Response = 23954



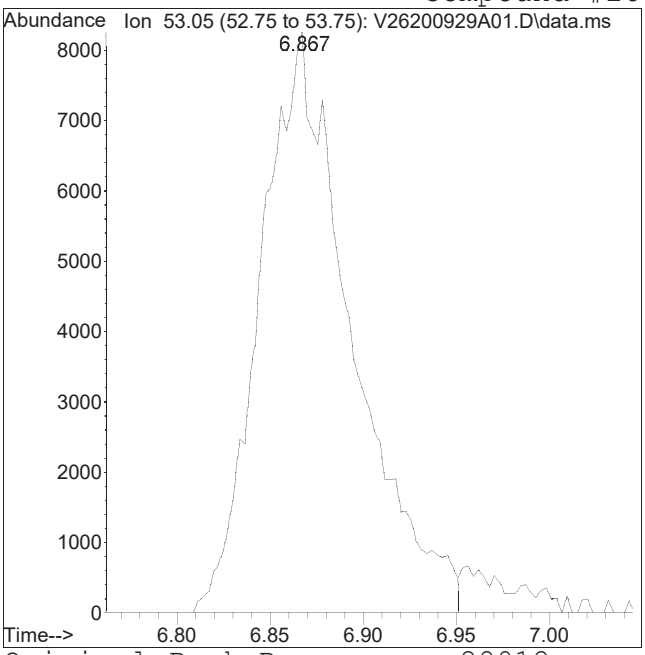
Manual Peak Response = 26721 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

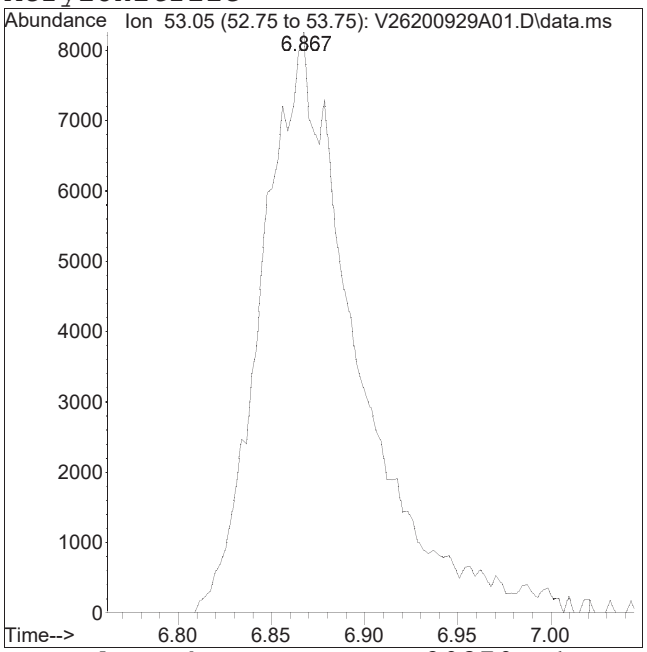
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200929A01.D Operator : VOA126:MV
Date Inj'd : 9/29/2020 8:50 Instrument : VOA126
Sample : WG1416109-3,31,5,5 Quant Date : 9/29/2020 9:37 am

Compound #28: Acrylonitrile



Original Peak Response = 28012



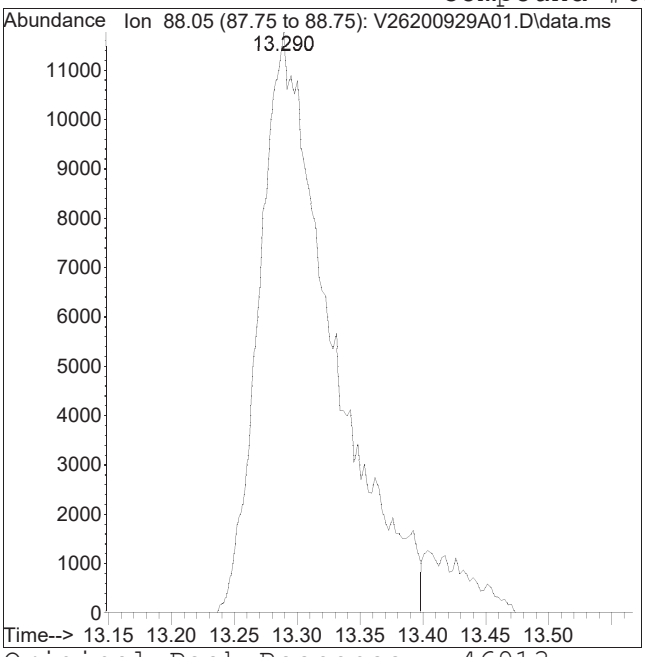
Manual Peak Response = 29370 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

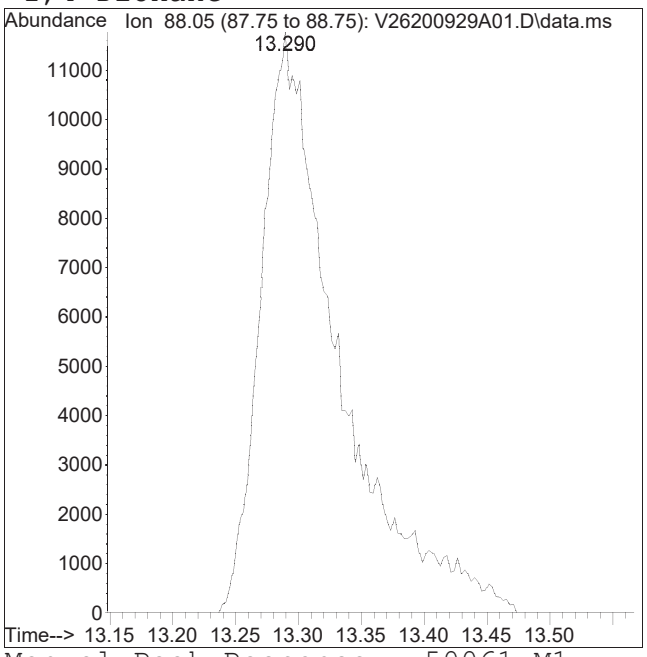
Manual Integration Report

Data Path : I:\VOLATILES\VOA126\2020\2QMethod : V126_200604N_8260Suff.m
Data File : V26200929A01.D Operator : VOA126:MV
Date Inj'd : 9/29/2020 8:50 Instrument : VOA126
Sample : WG1416109-3,31,5,5 Quant Date : 9/29/2020 9:37 am

Compound #61: 1,4-Dioxane



Original Peak Response = 46913



Manual Peak Response = 50061 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A02.D
Acq On : 29 Sep 2020 09:29
Operator : VOA126:MV
Sample : WG1416109-4,31,5,5
Misc : WG1416109,ICAL16859
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 29 12:11:53 2020
Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200929A\V26200929A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	11.555	96	270065	20.000	ug/L	0.00
Standard Area 1 = 269604			Recovery = 100.17%			
63) Chlorobenzene-d5	18.262	117	221948	20.000	ug/L	0.00
Standard Area 1 = 217005			Recovery = 102.28%			
88) 1,4-Dichlorobenzene-d4	23.914	152	121268	20.000	ug/L	-0.01
Standard Area 1 = 117842			Recovery = 102.91%			
System Monitoring Compounds						
39) Dibromofluoromethane	9.921	113	73601	20.974	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 104.87%			
47) 1,2-Dichloroethane-d4	10.922	65	73927	20.745	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.72%			
65) Toluene-d8	14.893	98	273296	19.716	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.58%			
92) 4-Bromofluorobenzene	21.095	95	114698	19.429	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.14%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.695	85	82942	41.248	ug/L #	88
4) Chloromethane	3.077	50	95774	24.572	ug/L	99
5) Vinyl chloride	3.236	62	94948	32.520	ug/L	100
6) Bromomethane	3.967	94	67422	31.386	ug/L	95
7) Chloroethane	4.106	64	68697	30.287	ug/L	99
8) Trichlorofluoromethane	4.550	101	180639	44.800	ug/L	99
9) Ethyl ether	5.102	74	48490	35.851	ug/L	94
11) 1,1-Dichloroethene	5.674	96	92197	37.290	ug/L	94
12) Carbon disulfide	6.597	76	232373	28.448	ug/L	100
17) Methylene chloride	6.605	84	99439	32.312	ug/L	99
19) Acetone	5.484	43	21266	23.818	ug/L	95
20) trans-1,2-Dichloroethene	7.163	96	104935	35.725	ug/L	97
23) Methyl tert-butyl ether	6.895	73	272050	40.004	ug/L	96
26) 1,1-Dichloroethane	7.991	63	190963	30.532	ug/L	99
28) Acrylonitrile	6.873	53	28133	28.631	ug/L	98
30) Vinyl acetate	8.016	43	164964	28.649	ug/L	97
31) cis-1,2-Dichloroethene	9.182	96	116691	35.615	ug/L	99
32) 2,2-Dichloropropane	9.079	77	163262	39.886	ug/L	88
33) Bromochloromethane	9.818	128	52282	37.358	ug/L	96
35) Chloroform	9.491	83	200887	36.185	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A02.D
Acq On : 29 Sep 2020 09:29
Operator : VOA126:MV
Sample : WG1416109-4,31,5,5
Misc : WG1416109,ICAL16859
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 29 12:11:53 2020
Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200929A\V26200929A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) Carbon tetrachloride	10.771	117	174654	43.689	ug/L		99
40) 1,1,1-Trichloroethane	10.272	97	192383	42.083	ug/L		96
42) 2-Butanone	8.842	43	32518	27.745	ug/L		99
43) 1,1-Dichloropropene	10.585	75	148550	39.405	ug/L		99
45) Benzene	11.126	78	402114	33.722	ug/L		99
48) 1,2-Dichloroethane	11.114	62	150250	35.278	ug/L		98
52) Trichloroethene	12.366	95	114493	36.902	ug/L		98
54) Dibromomethane	13.343	93	59160	36.710	ug/L		94
55) 1,2-Dichloropropane	12.746	63	110011	30.086	ug/L		97
58) Bromodichloromethane	13.231	83	159115	39.931	ug/L		99
61) 1,4-Dioxane	13.287	88	47159	2090.564	ug/L		99
62) cis-1,3-Dichloropropene	14.391	75	166224	37.023	ug/L		93
66) Toluene	15.069	92	268286	35.534	ug/L		97
67) 4-Methyl-2-pentanone	13.953	58	36546	33.362	ug/L		80
68) Tetrachloroethene	16.488	166	126496	39.245	ug/L		99
71) trans-1,3-Dichloropropene	15.487	75	146182	39.490	ug/L		87
75) 1,1,2-Trichloroethane	15.822	83	70345	37.371	ug/L		98
76) Chlorodibromomethane	16.951	129	117731	43.187	ug/L		99
77) 1,3-Dichloropropane	16.385	76	144382	37.315	ug/L		100
78) 1,2-Dibromoethane	17.408	107	85206	39.663	ug/L		99
80) 2-Hexanone	15.855	43	58440	31.777	ug/L	#	90
82) Chlorobenzene	18.348	112	309868	36.669	ug/L		99
83) Ethylbenzene	18.471	91	538545	37.945	ug/L		95
84) 1,1,1,2-Tetrachloroethane	18.454	131	123097	43.452	ug/L		97
85) p/m Xylene	18.649	106	412444	75.747	ug/L		84
86) o Xylene	19.659	106	384848	74.312	ug/L		81
87) Styrene	19.748	104	671591	77.946	ug/L		99
89) Bromoform	20.521	173	77705	46.132	ug/L		99
91) Isopropylbenzene	20.504	105	560651	38.456	ug/L		94
93) Bromobenzene	21.536	156	136730	38.654	ug/L		100
95) n-Propylbenzene	21.455	91	647210	37.293	ug/L		96
97) 1,1,2,2-Tetrachloroethane	20.931	83	105082	37.364	ug/L		98
98) 4-Ethyltoluene	21.728	105	548344	37.977	ug/L		95
99) 2-Chlorotoluene	21.862	91	441673	38.453	ug/L		95
100) 1,3,5-Trimethylbenzene	21.840	105	474542	38.769	ug/L		94
101) 1,2,3-Trichloropropane	21.276	75	80599	38.158	ug/L		94
102) trans-1,4-Dichloro-2-b...	21.463	53	30404	32.173	ug/L		89
103) 4-Chlorotoluene	21.979	91	405558	37.558	ug/L		95
104) tert-Butylbenzene	22.682	119	413348	39.881	ug/L		97

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A02.D
Acq On : 29 Sep 2020 09:29
Operator : VOA126:MV
Sample : WG1416109-4,31,5,5
Misc : WG1416109,ICAL16859
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 29 12:11:53 2020
Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA126\2020\200929A\V26200929A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107)	1,2,4-Trimethylbenzene	22.774	105	467747	38.138	ug/L	94
109)	sec-Butylbenzene	23.198	105	606025	38.985	ug/L	96
110)	p-Isopropyltoluene	23.535	119	522678	39.033	ug/L	97
111)	1,3-Dichlorobenzene	23.736	146	263830	37.502	ug/L	99
112)	1,4-Dichlorobenzene	23.990	146	261031	37.542	ug/L	99
115)	p-Diethylbenzene	24.531	119	312657	38.169	ug/L	98
116)	n-Butylbenzene	24.506	91	555443	36.465	ug/L	97
118)	1,2-Dichlorobenzene	24.846	146	240107	37.995	ug/L	100
120)	1,2,4,5-Tetramethylben...	26.223	119	475147	38.920	ug/L	95
121)	1,2-Dibromo-3-chloropr...	26.569	155	19076	42.985	ug/L	99
124)	Hexachlorobutadiene	28.488	225	103876	45.942	ug/L	99
125)	1,2,4-Trichlorobenzene	28.234	180	166315	37.838	ug/L	99
126)	Naphthalene	28.689	128	334884	37.004	ug/L	100
127)	1,2,3-Trichlorobenzene	29.121	180	149423	38.267	ug/L	99

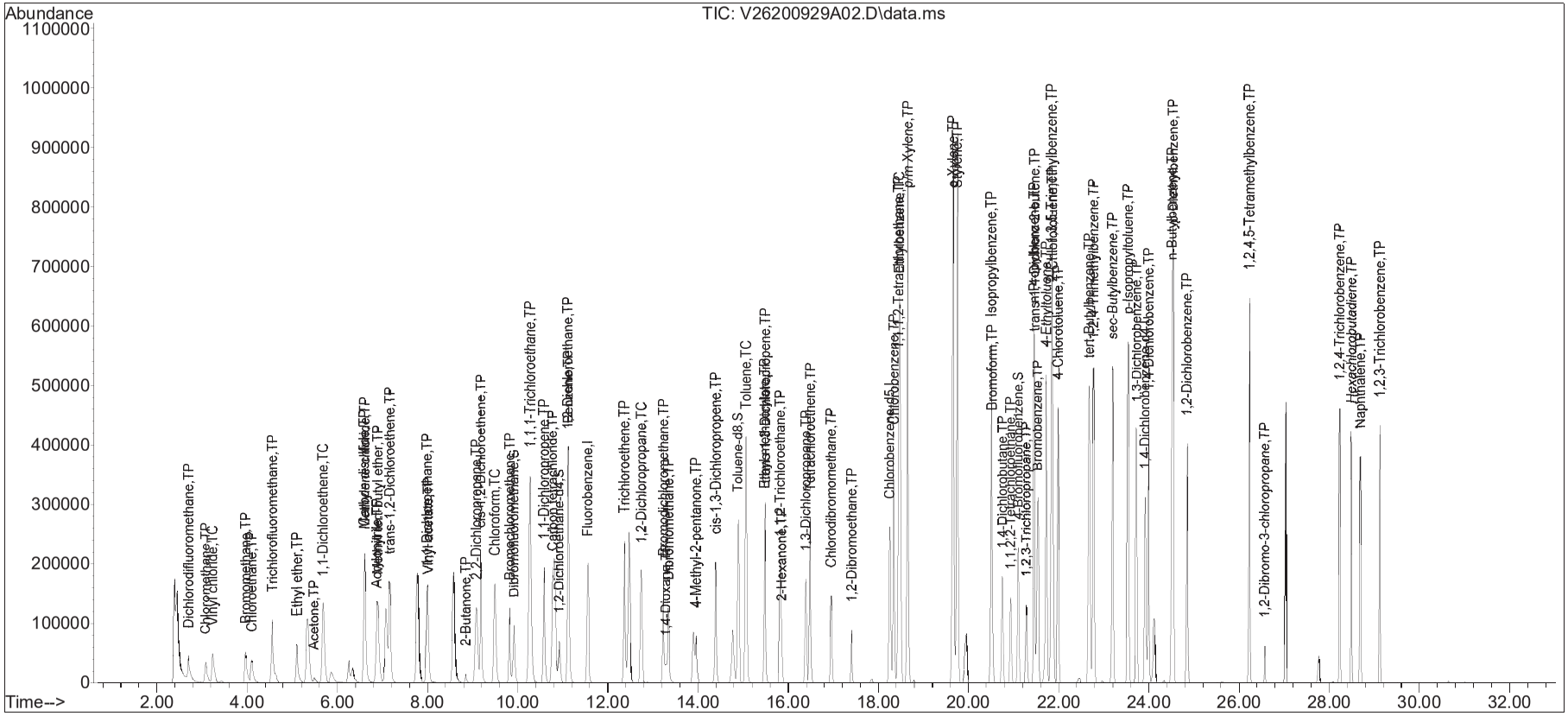
(#) = qualifier out of range (m) = manual integration (+) = signals summed

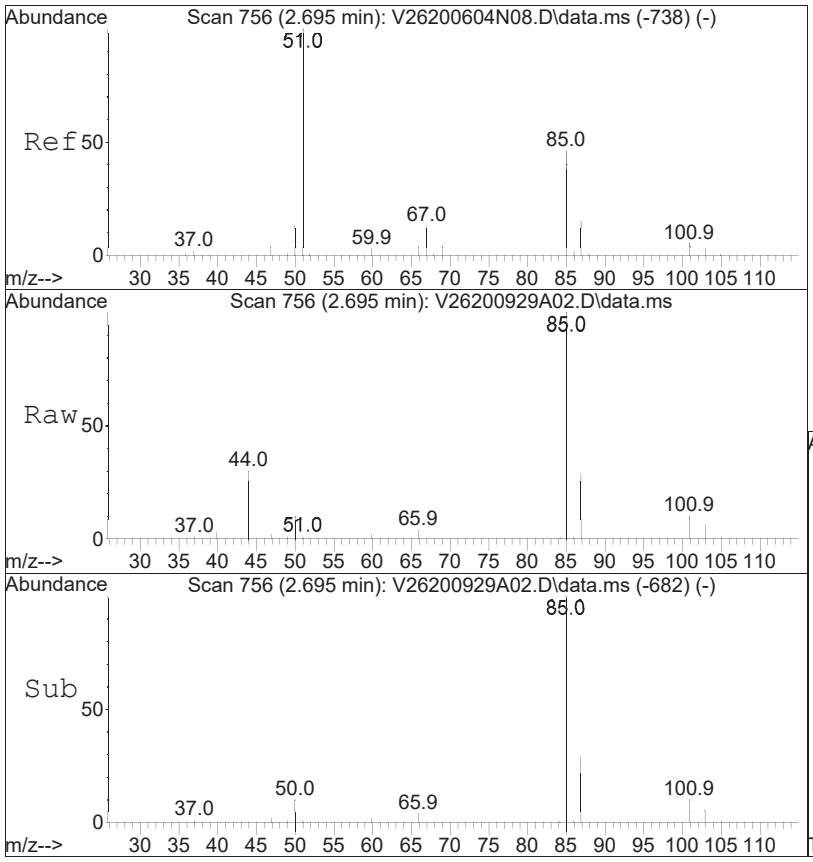
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2020\200929A\
Data File : V26200929A02.D
Acq On : 29 Sep 2020 09:29
Operator : VOA126:MV
Sample : WG1416109-4,31,5,5
Misc : WG1416109,ICAL16859
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 29 12:11:53 2020
Quant Method : I:\VOLATILES\VOA126\2020\200929A\V126_200604N_8260Suff.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 05 12:39:47 2020
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox00929A\V26200929A01.D•

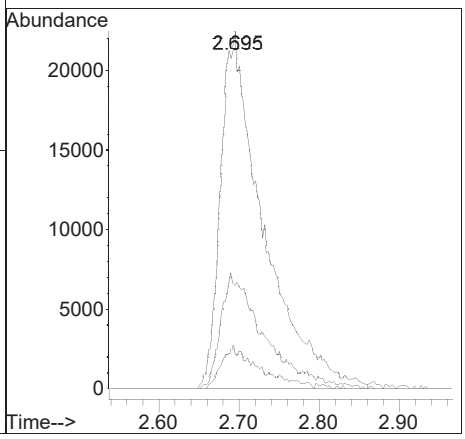


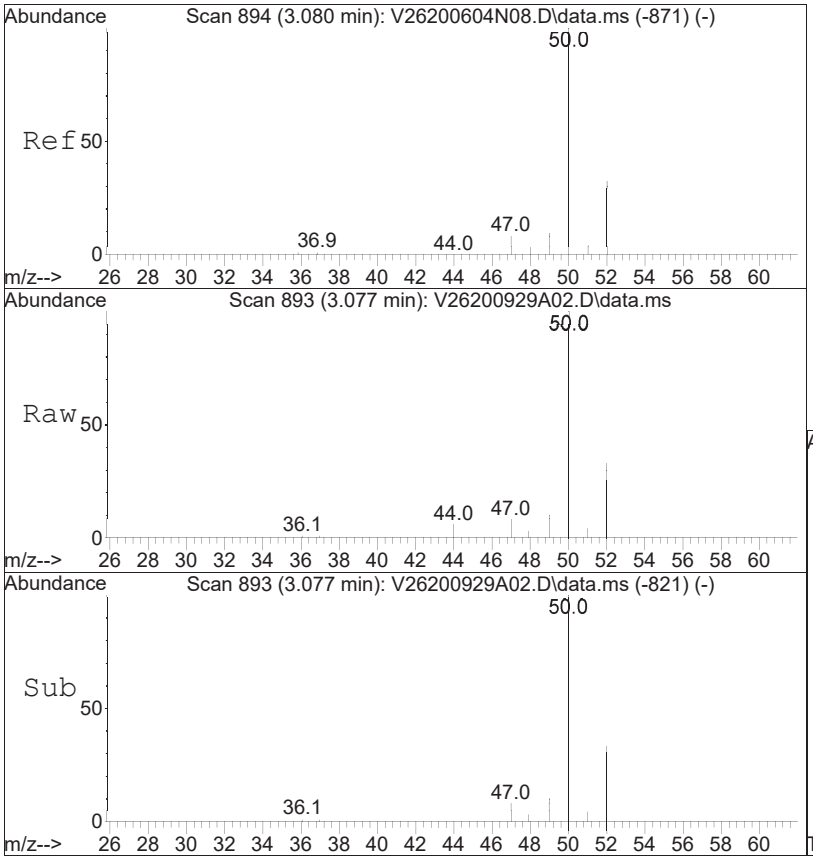


#2
Dichlorodifluoromethane
Concen: 41.25 ug/L
RT: 2.695 min Scan# 756
Delta R.T. 0.005 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 85 Resp: 82942

Ion	Ratio	Lower	Upper
85	100		
87	30.2	21.1	43.7
50	10.5	14.2	29.4#

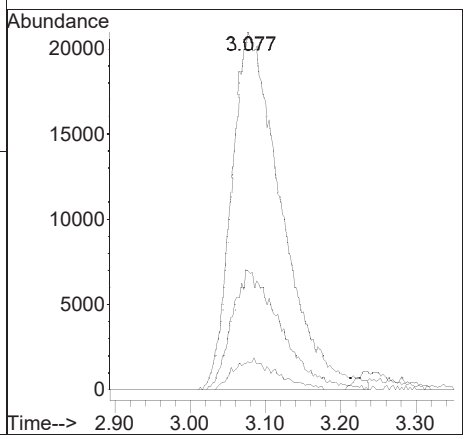


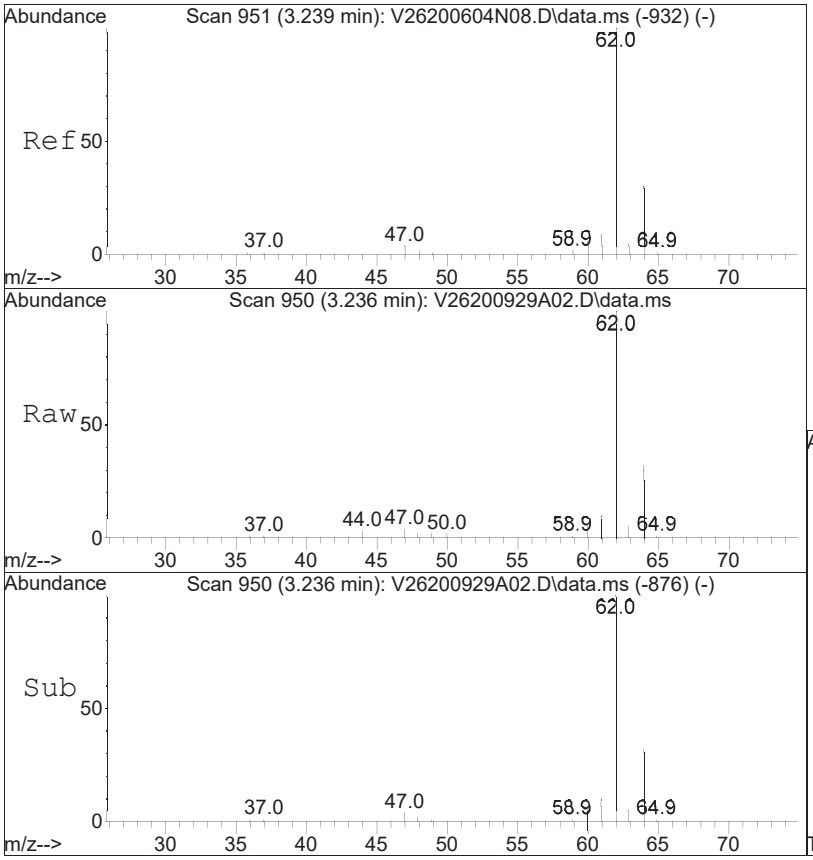


#4
Chloromethane
Concen: 24.57 ug/L
RT: 3.077 min Scan# 893
Delta R.T. -0.000 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 50 Resp: 95774

Ion	Ratio	Lower	Upper
50	100		
52	33.2	12.5	52.5
47	7.7	0.0	27.8

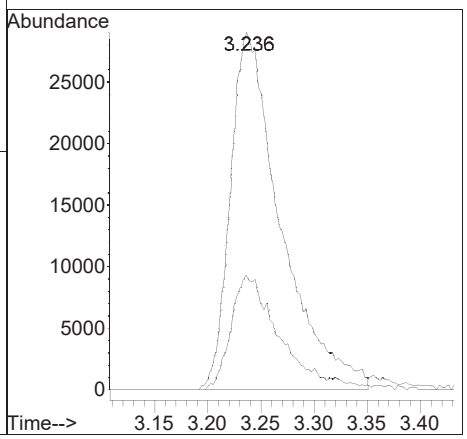


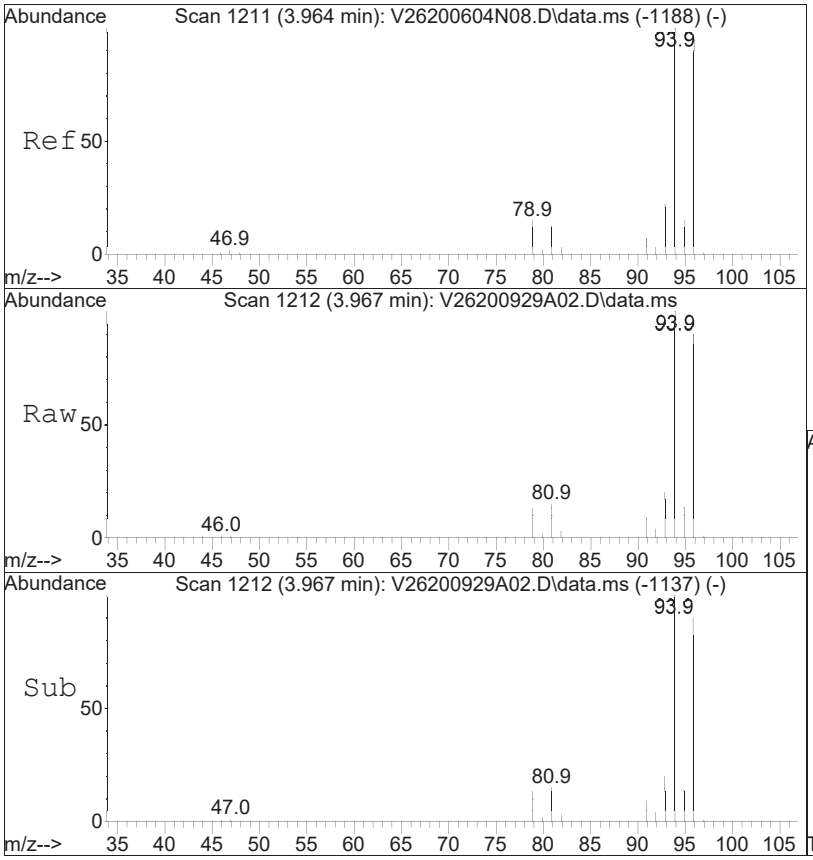


#5
Vinyl chloride
Concen: 32.52 ug/L
RT: 3.236 min Scan# 950
Delta R.T. 0.005 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 62 Resp: 94948

Ion	Ratio	Lower	Upper
62	100		
64	31.2	11.3	51.3

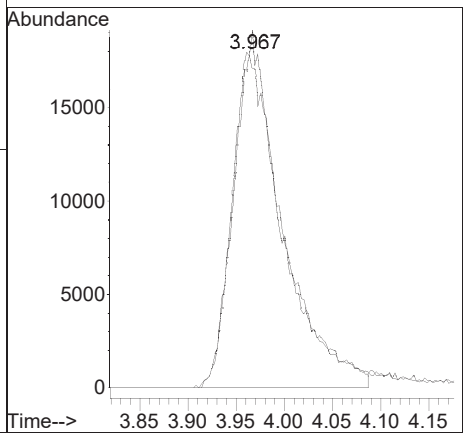


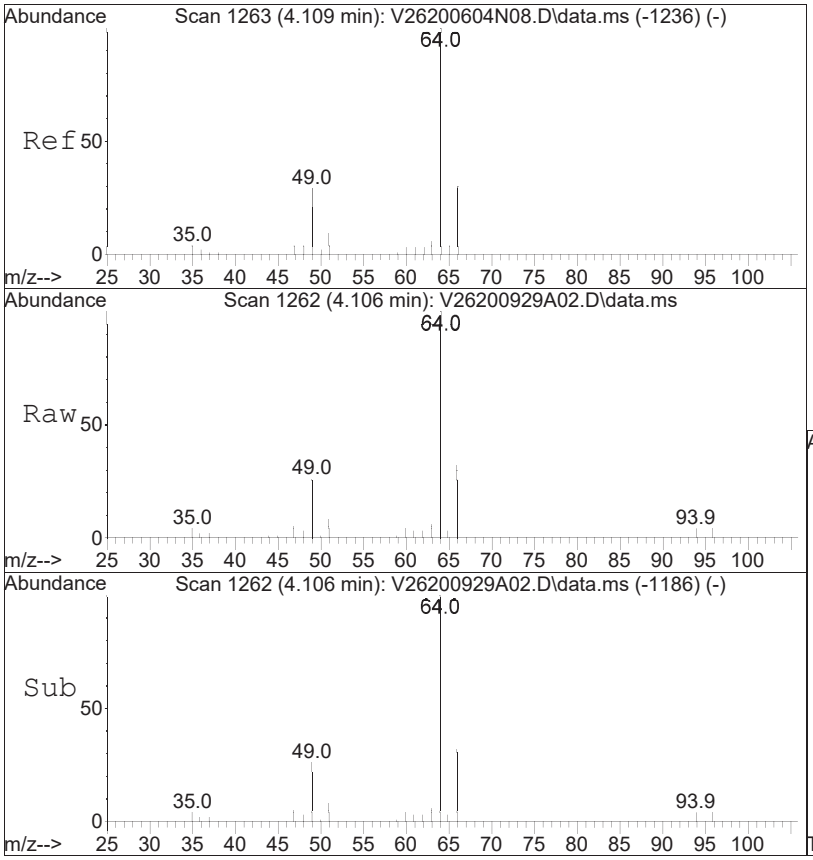


#6
Bromomethane
Concen: 31.39 ug/L
RT: 3.967 min Scan# 1212
Delta R.T. 0.008 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 94 Resp: 67422

Ion	Ratio	Lower	Upper
94	100		
96	95.6	71.1	111.1

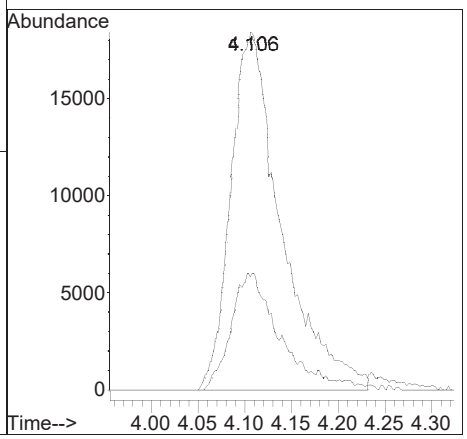


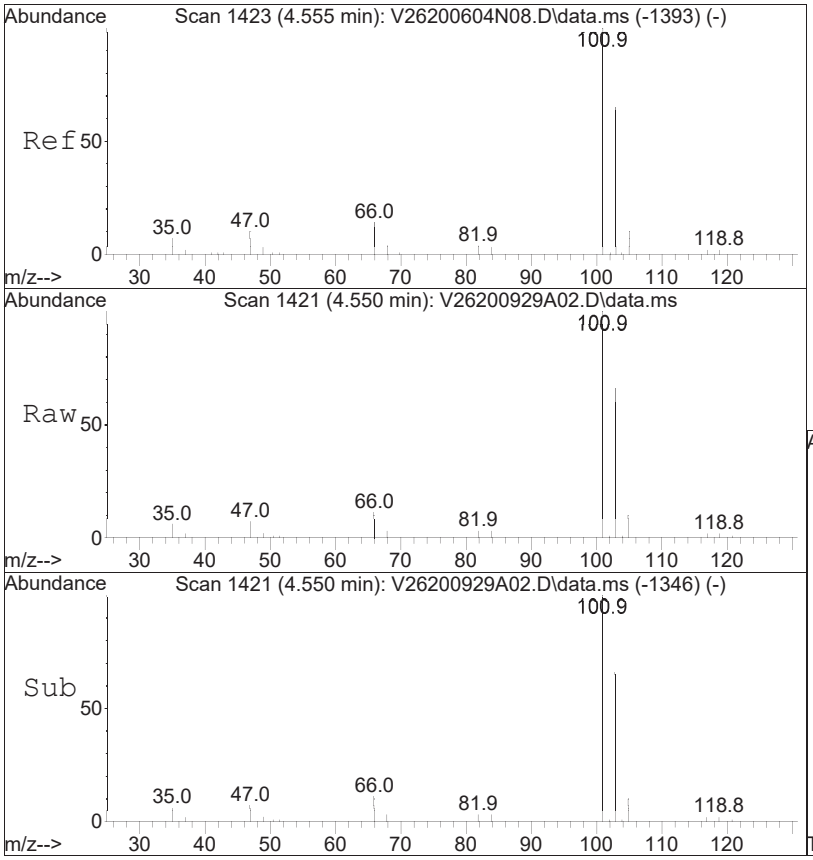


#7
Chloroethane
Concen: 30.29 ug/L
RT: 4.106 min Scan# 1262
Delta R.T. 0.011 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 64 Resp: 68697

Ion	Ratio	Lower	Upper
64	100		
66	31.8	11.3	51.3

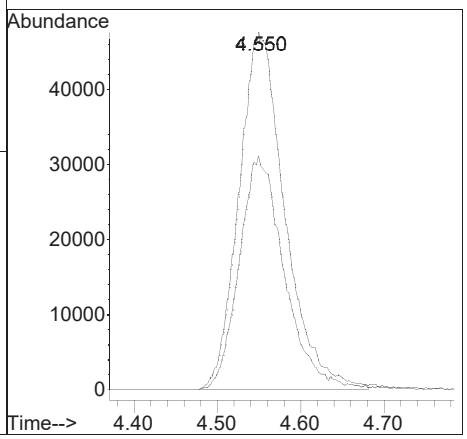


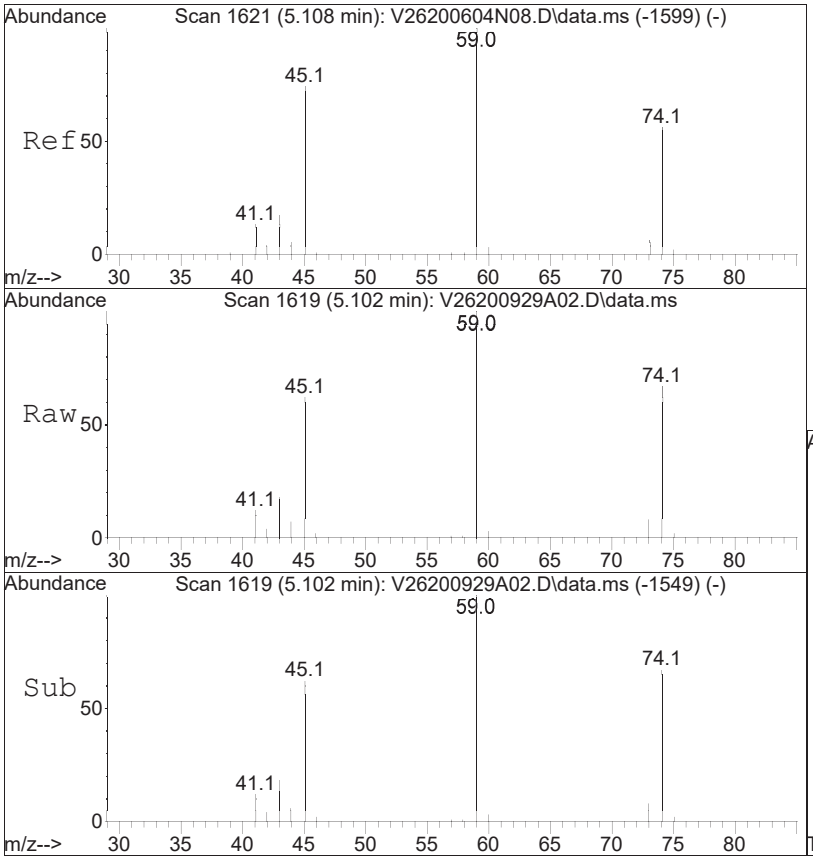


#8
Trichlorofluoromethane
Concen: 44.80 ug/L
RT: 4.550 min Scan# 1421
Delta R.T. 0.008 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion:101 Resp: 180639

Ion	Ratio	Lower	Upper
101	100		
103	63.8	50.5	75.7

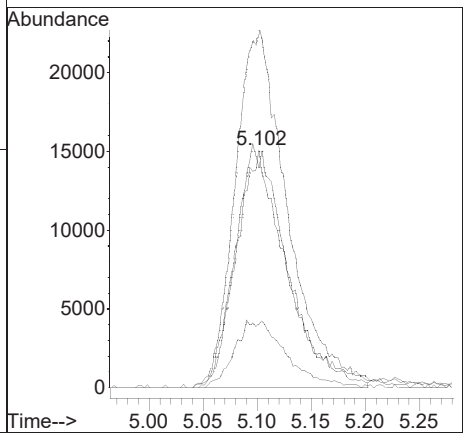


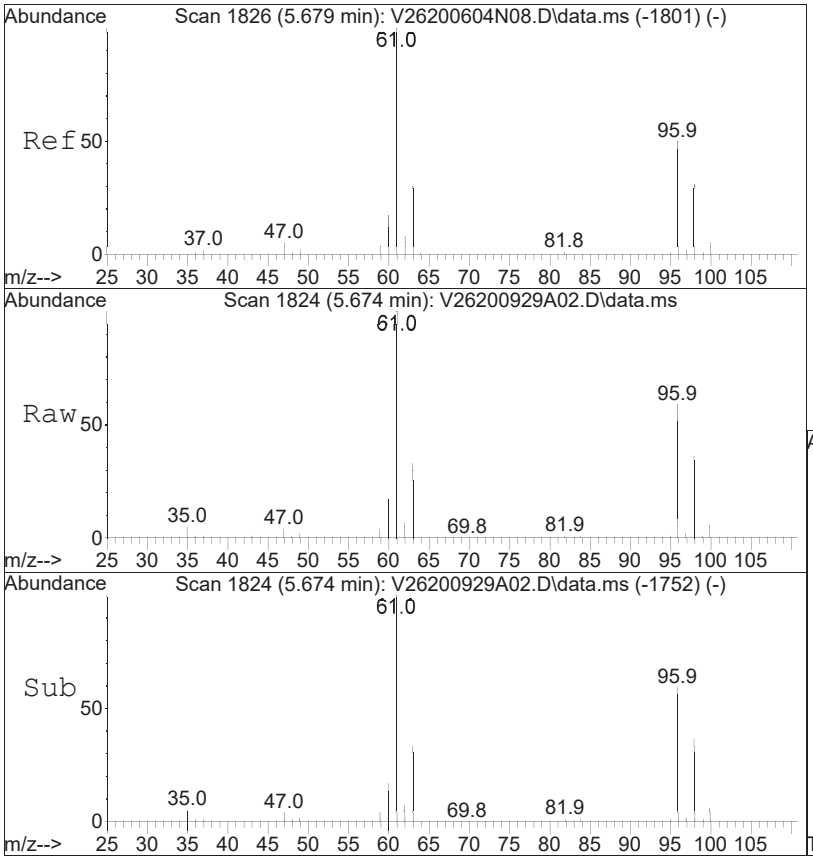


#9
Ethyl ether
Concen: 35.85 ug/L
RT: 5.102 min Scan# 1619
Delta R.T. -0.006 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 74 Resp: 48490

Ion	Ratio	Lower	Upper
74	100		
59	157.5	93.6	194.4
45	108.1	70.7	146.9
43	29.4	19.2	40.0

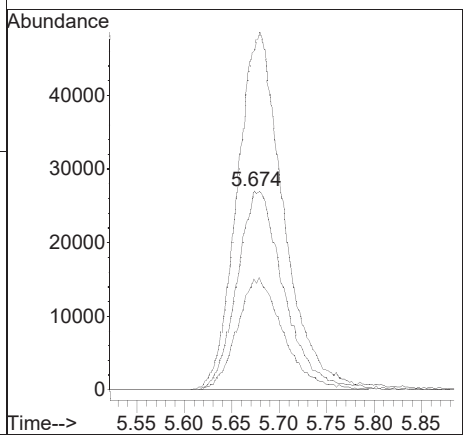


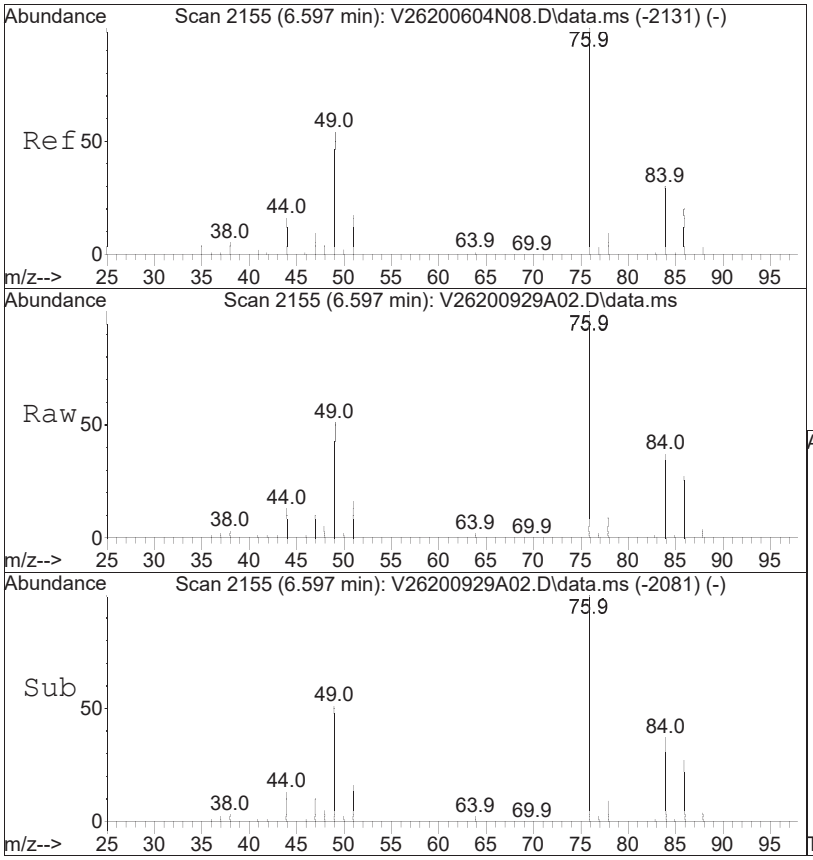


#11
1,1-Dichloroethene
Concen: 37.29 ug/L
RT: 5.674 min Scan# 1824
Delta R.T. -0.000 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 96 Resp: 92197

Ion	Ratio	Lower	Upper
96	100		
61	177.2	133.8	200.8
63	55.5	42.6	63.8

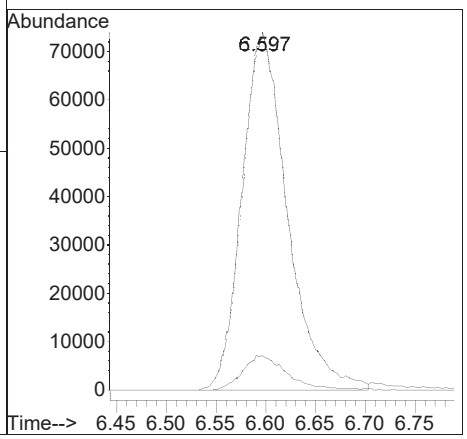


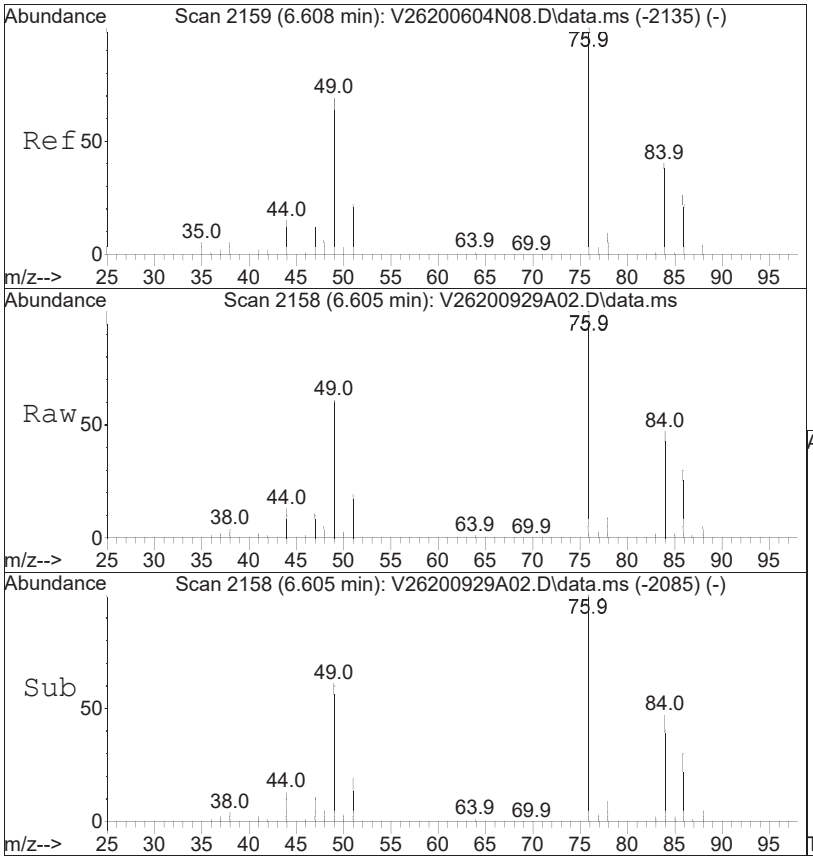


#12
Carbon disulfide
Concen: 28.45 ug/L
RT: 6.597 min Scan# 2155
Delta R.T. 0.005 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 76 Resp: 232373

Ion	Ratio	Lower	Upper
76	100		
78	9.2	5.9	12.3

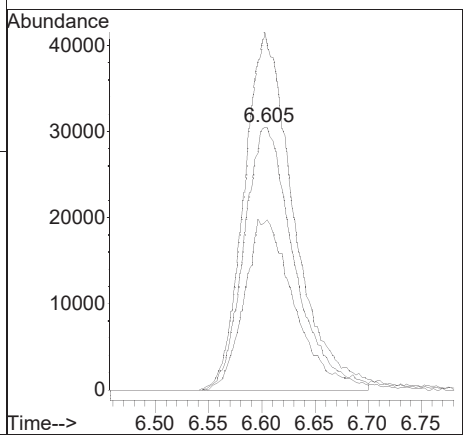


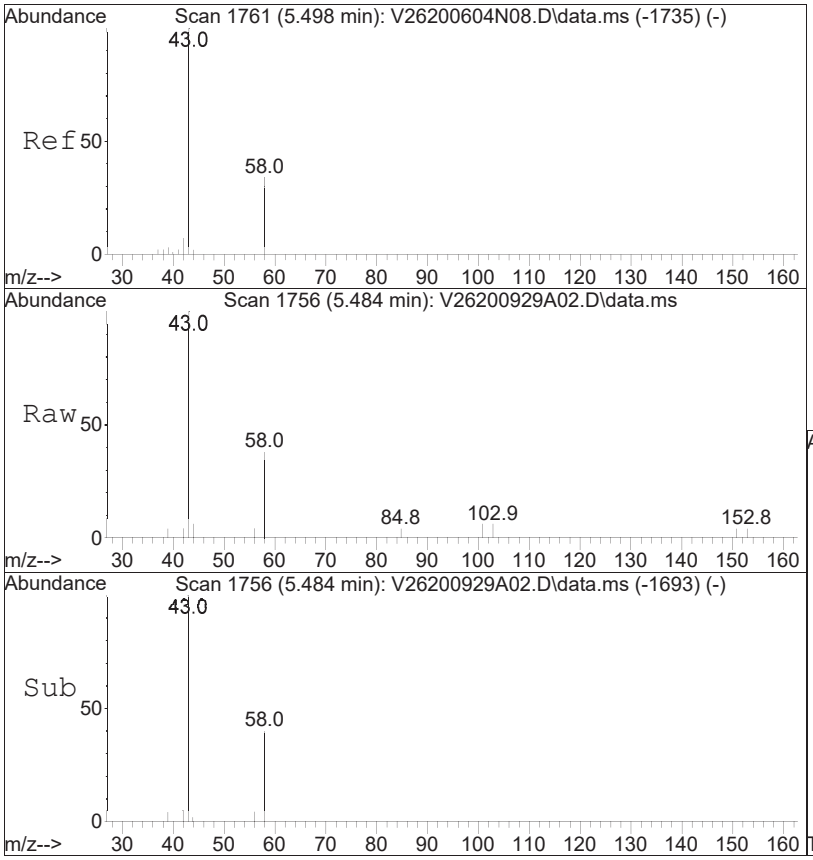


#17
Methylene chloride
Concen: 32.31 ug/L
RT: 6.605 min Scan# 2158
Delta R.T. 0.003 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 84 Resp: 99439

Ion	Ratio	Lower	Upper
84	100		
86	66.0	41.9	87.1
49	135.7	88.1	183.1

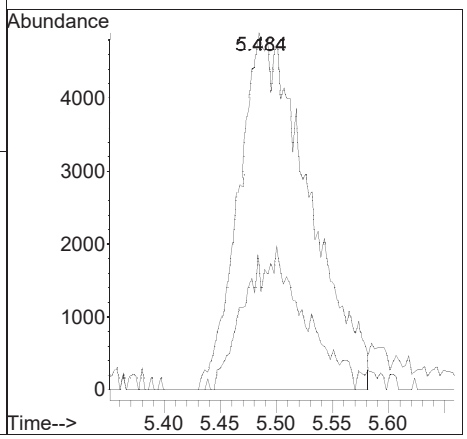


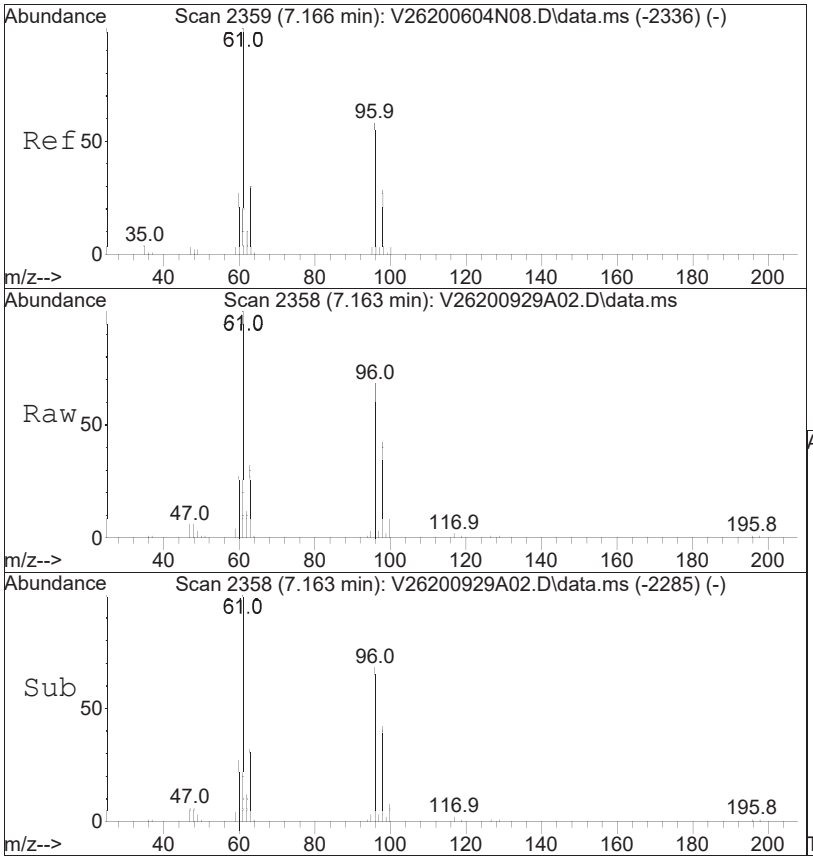


#19
Acetone
Concen: 23.82 ug/L
RT: 5.484 min Scan# 1756
Delta R.T. -0.022 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 43 Resp: 21266

Ion	Ratio	Lower	Upper
43	100		
58	27.9	24.6	37.0

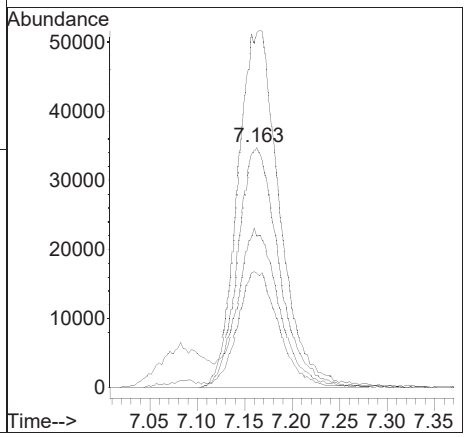


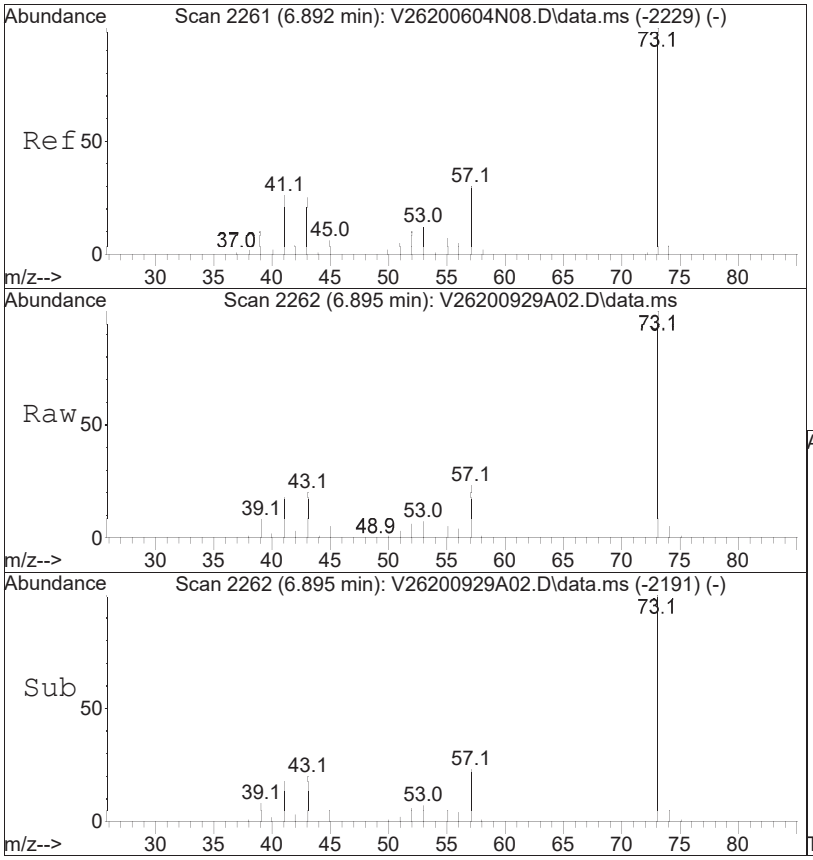


#20
trans-1,2-Dichloroethene
Concen: 35.73 ug/L
RT: 7.163 min Scan# 2358
Delta R.T. 0.003 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 96 Resp: 104935

Ion	Ratio	Lower	Upper
96	100		
61	150.9	94.1	195.5
98	65.2	42.4	88.0
63	47.6	30.4	63.0

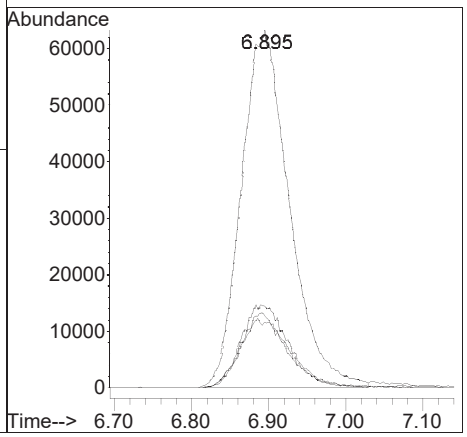


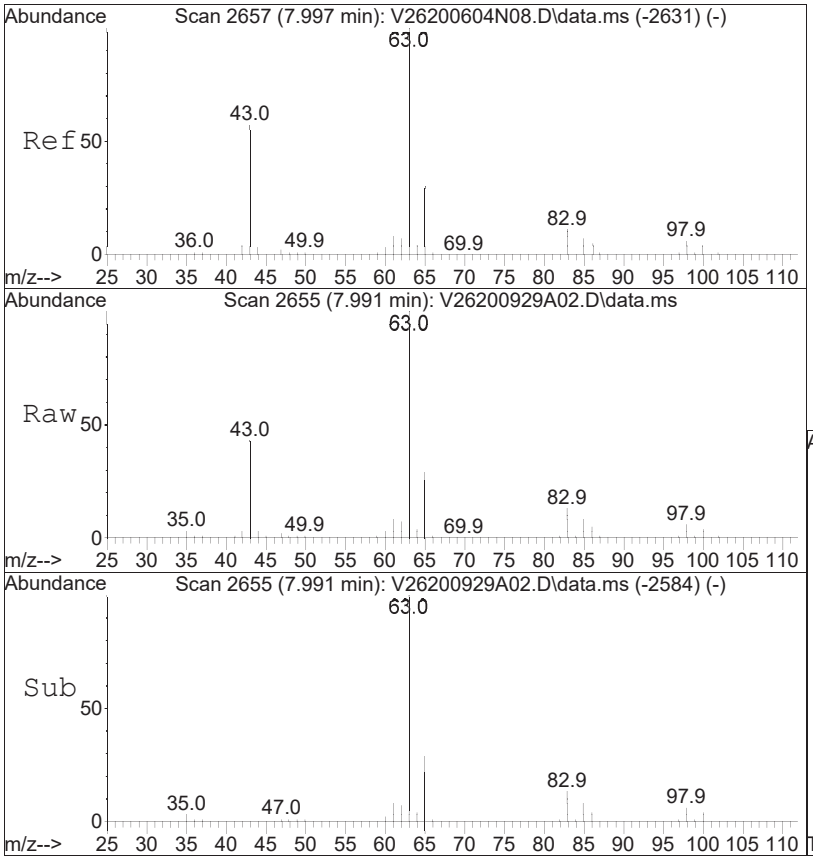


#23
Methyl tert-butyl ether
Concen: 40.00 ug/L
RT: 6.895 min Scan# 2262
Delta R.T. -0.003 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 73 Resp: 272050

Ion	Ratio	Lower	Upper
73	100		
57	23.5	15.8	32.8
43	20.6	14.7	30.5
41	19.2	14.8	30.8

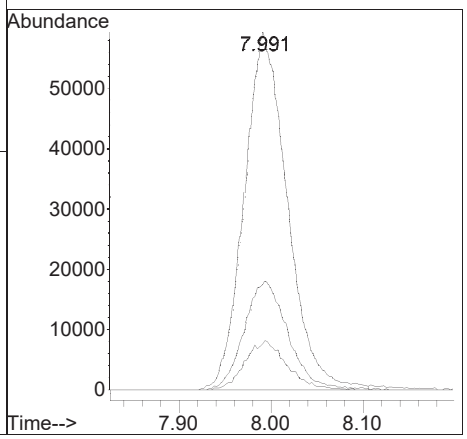


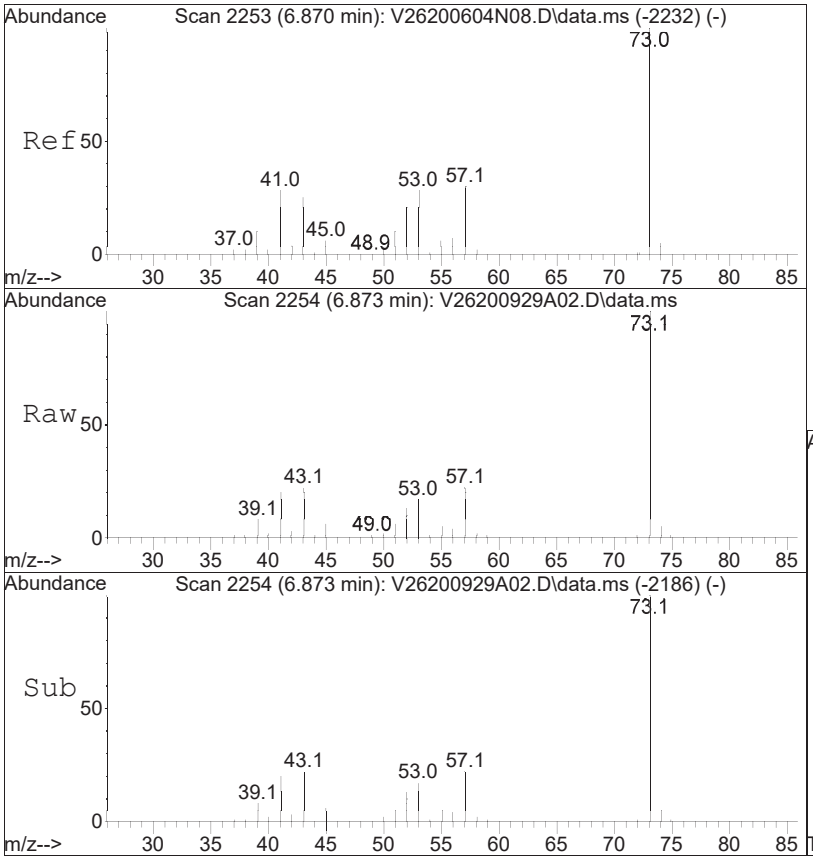


#26
1,1-Dichloroethane
Concen: 30.53 ug/L
RT: 7.991 min Scan# 2655
Delta R.T. -0.003 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 63 Resp: 190963

Ion	Ratio	Lower	Upper
63	100		
65	30.9	11.3	51.3
83	13.3	0.0	33.1

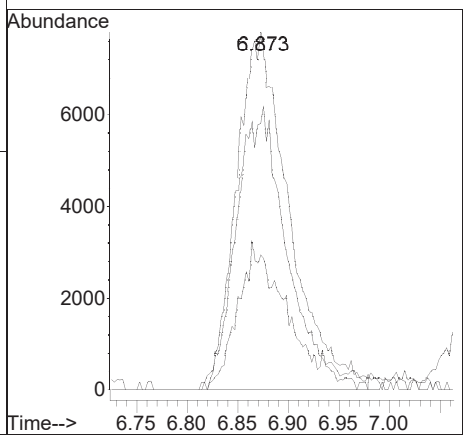


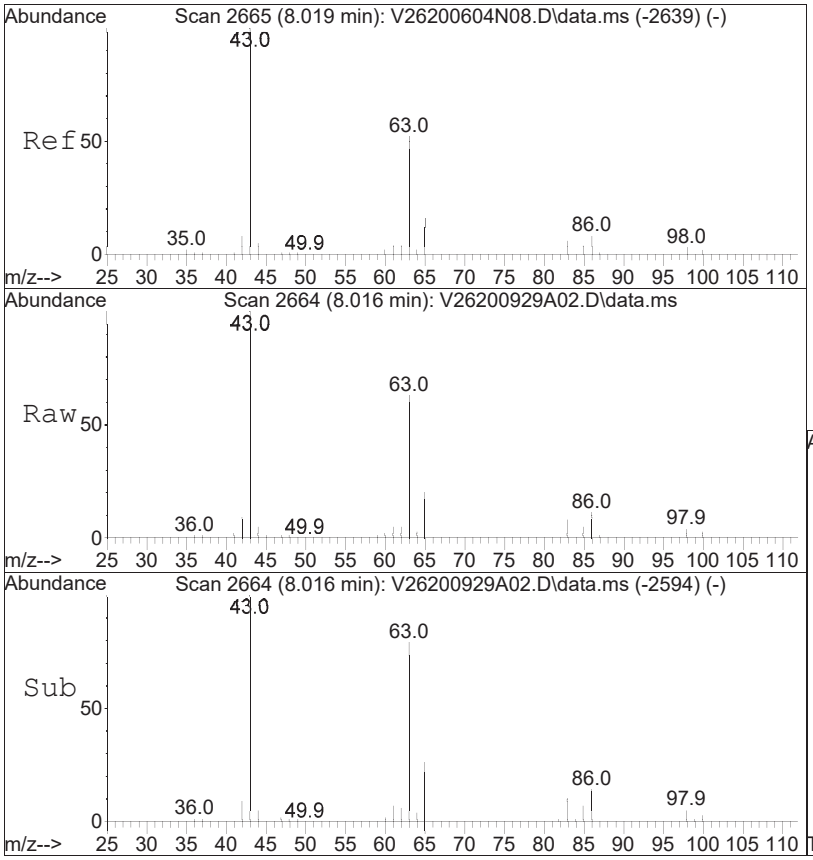


#28
Acrylonitrile
Concen: 28.63 ug/L
RT: 6.873 min Scan# 2254
Delta R.T. -0.011 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 53 Resp: 28133

Ion	Ratio	Lower	Upper
53	100		
52	75.3	62.6	93.8
51	36.5	29.4	44.2

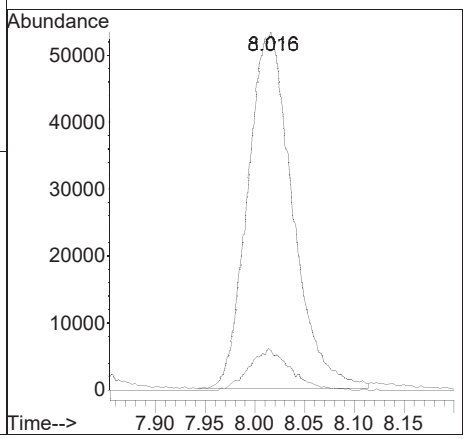


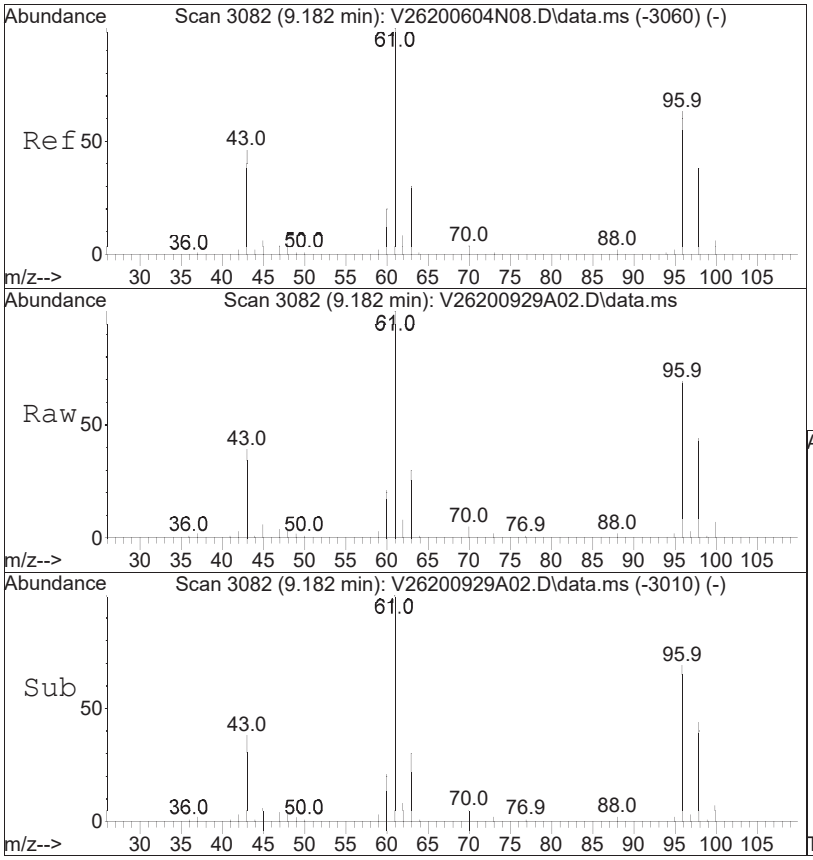


#30
Vinyl acetate
Concen: 28.65 ug/L
RT: 8.016 min Scan# 2664
Delta R.T. -0.003 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 43 Resp: 164964

Ion	Ratio	Lower	Upper
43	100		
86	10.7	7.7	11.5

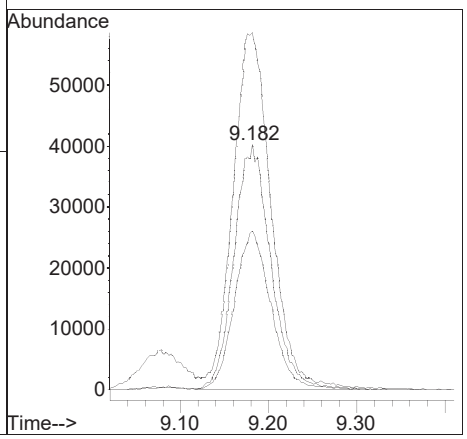


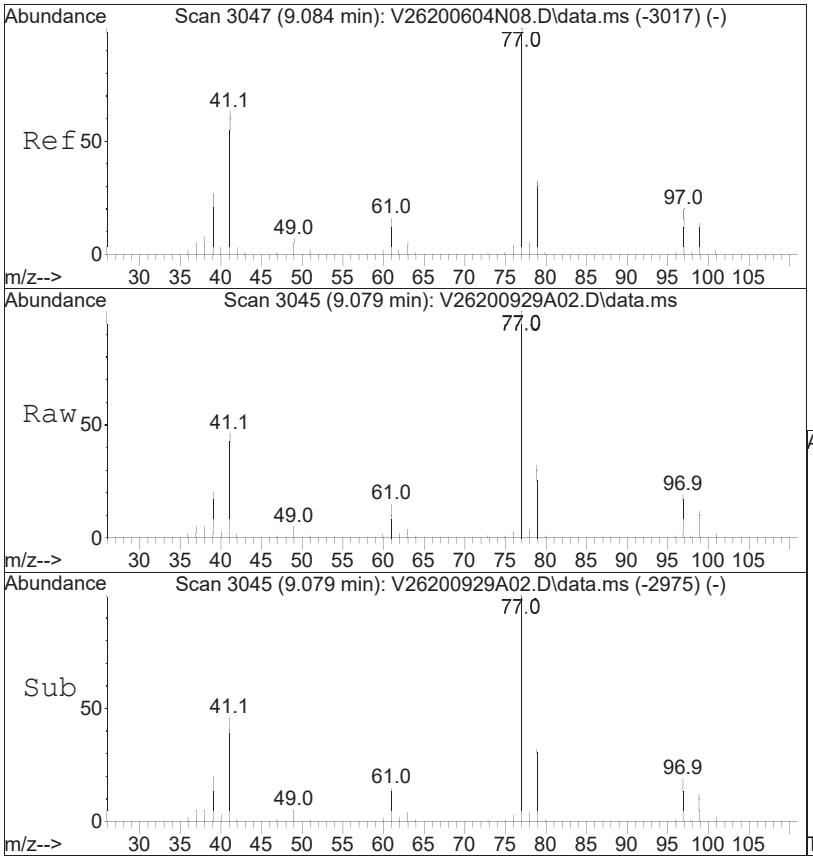


#31
cis-1,2-Dichloroethene
Concen: 35.61 ug/L
RT: 9.182 min Scan# 3082
Delta R.T. -0.000 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 96 Resp: 116691

Ion	Ratio	Lower	Upper
96	100		
61	148.5	117.3	175.9
98	64.4	51.4	77.0

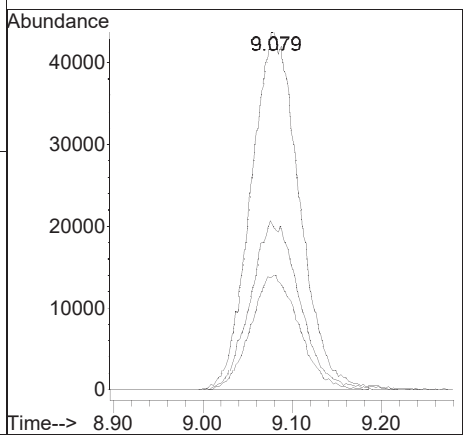


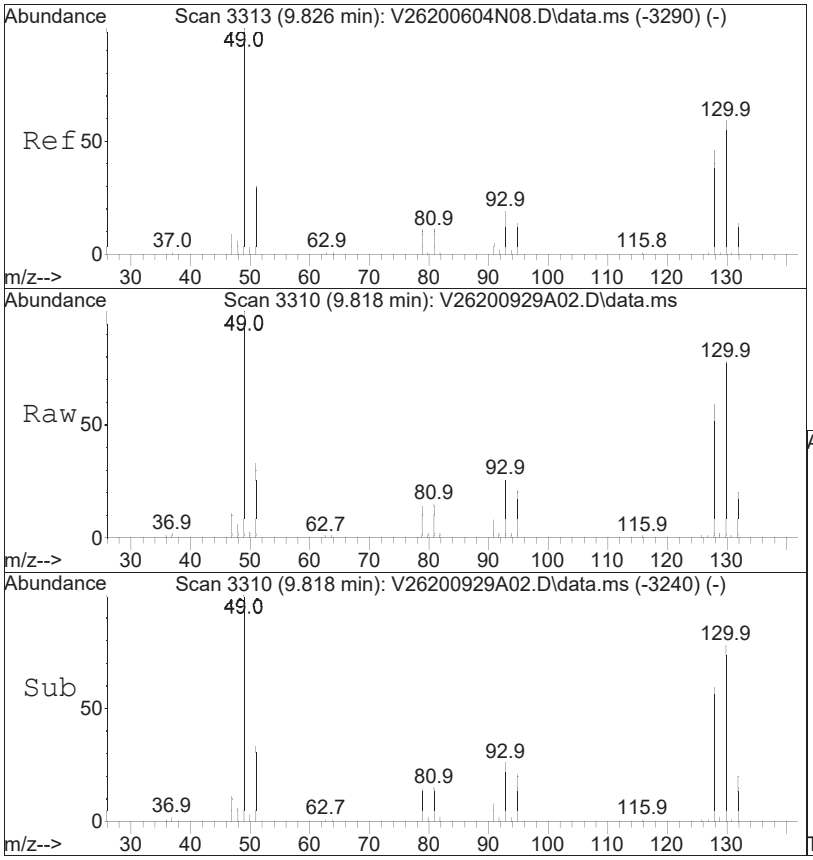


#32
2,2-Dichloropropane
Concen: 39.89 ug/L
RT: 9.079 min Scan# 3045
Delta R.T. -0.006 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 77 Resp: 163262

Ion	Ratio	Lower	Upper
77	100		
41	47.8	40.4	83.8
79	32.1	20.9	43.5

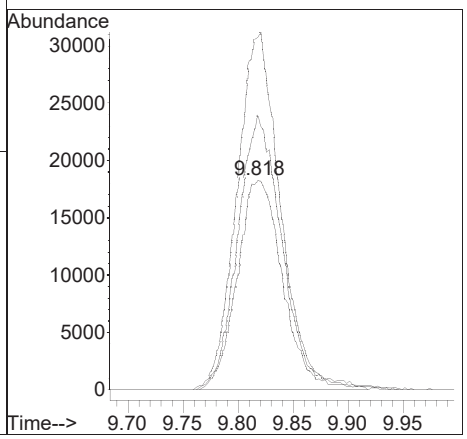


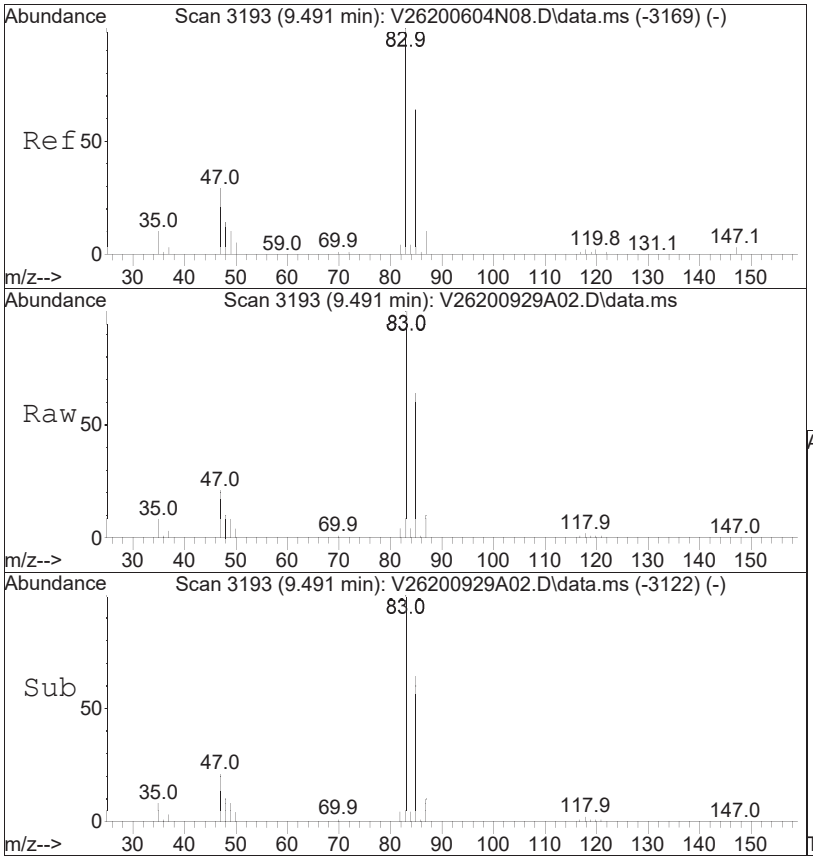


#33
Bromochloromethane
Concen: 37.36 ug/L
RT: 9.818 min Scan# 3310
Delta R.T. -0.006 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion:128 Resp: 52282

Ion	Ratio	Lower	Upper
128	100		
49	164.5	139.0	208.4
130	127.7	102.9	154.3

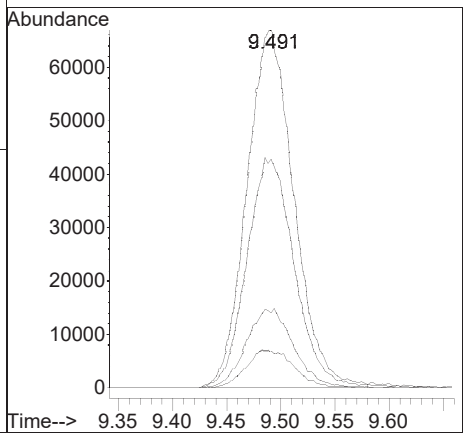


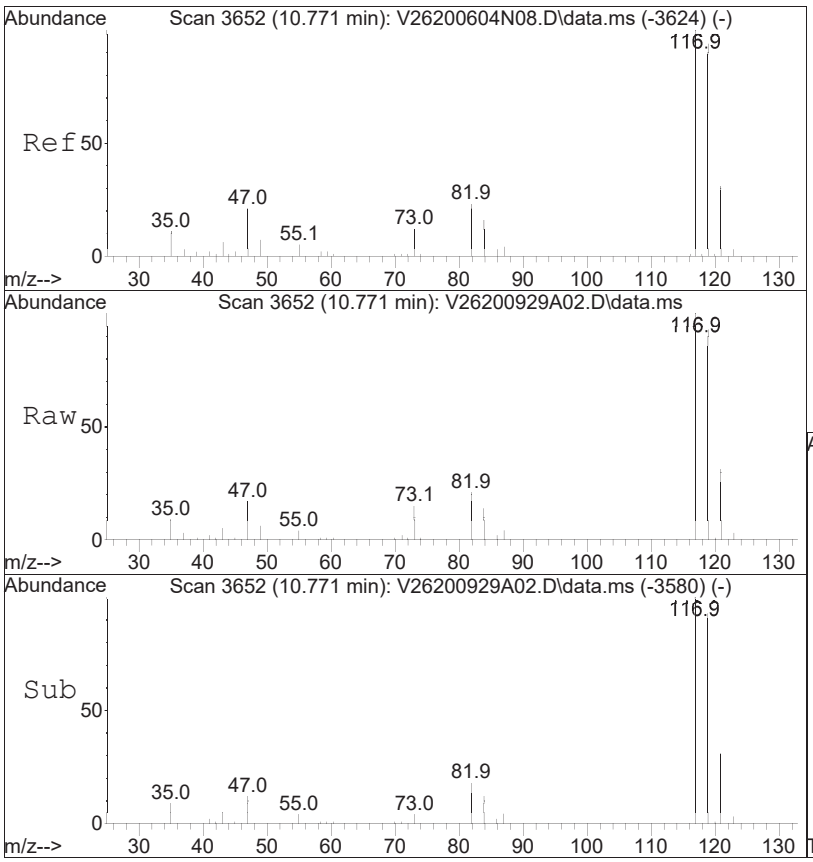


#35
Chloroform
Concen: 36.19 ug/L
RT: 9.491 min Scan# 3193
Delta R.T. -0.003 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 83 Resp: 200887

Ion	Ratio	Lower	Upper
83	100		
85	64.8	42.3	87.9
47	22.3	17.3	35.9
48	11.0	8.3	17.3

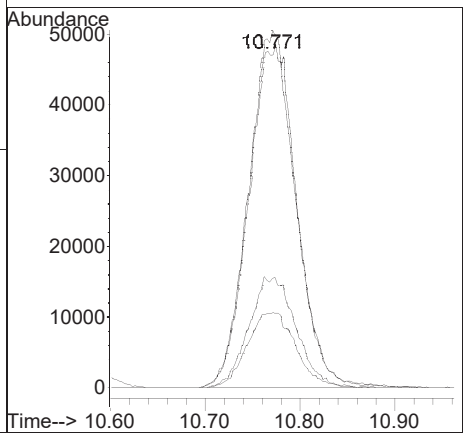


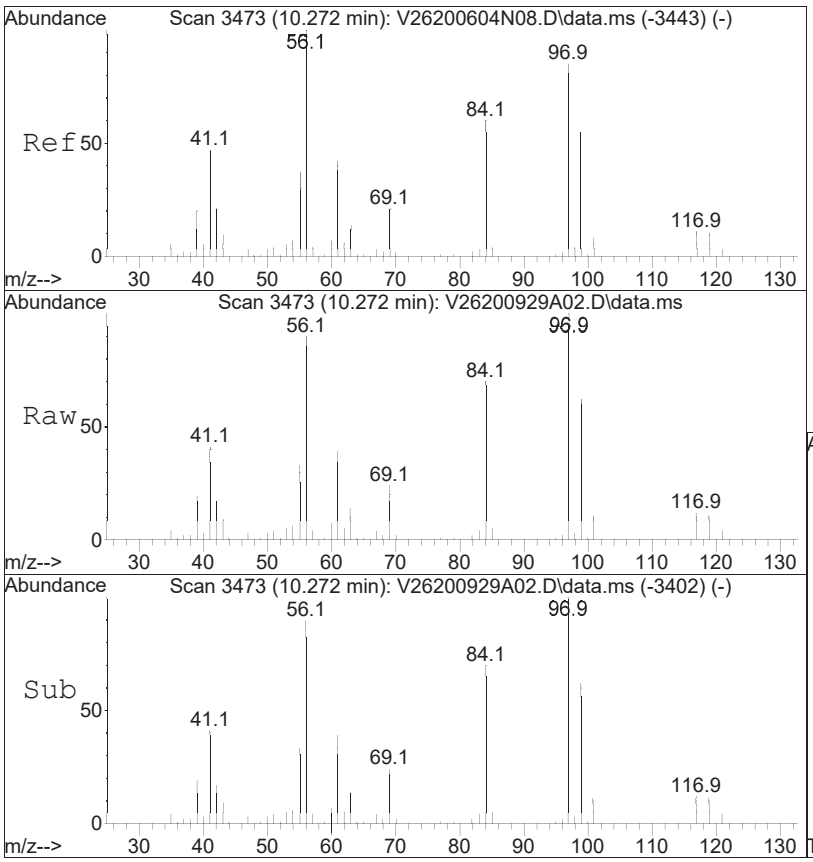


#37
Carbon tetrachloride
Concen: 43.69 ug/L
RT: 10.771 min Scan# 3652
Delta R.T. -0.000 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion:117 Resp: 174654

Ion	Ratio	Lower	Upper
117	100		
119	95.5	62.5	129.9
121	30.8	20.3	42.1
82	21.7	15.5	32.1

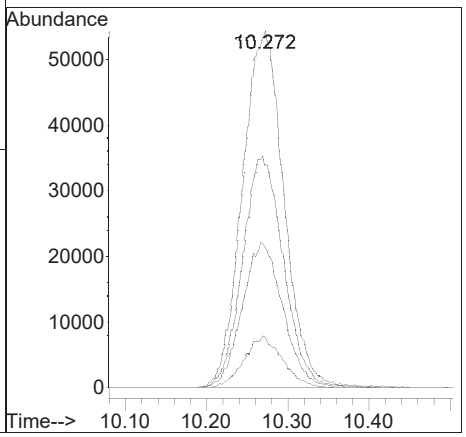


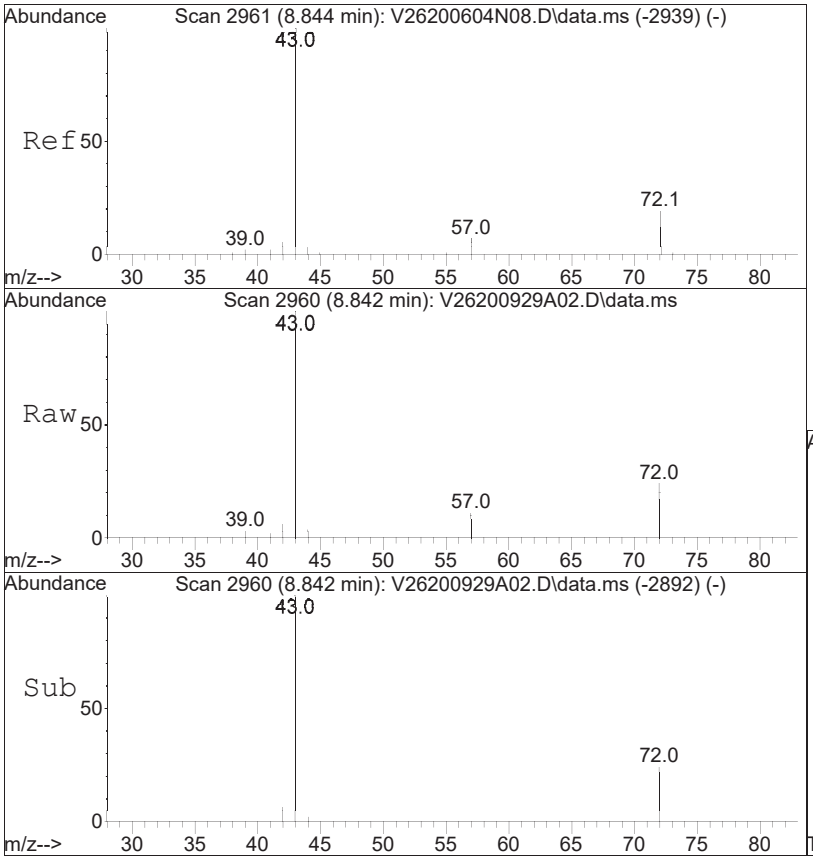


#40
1,1,1-Trichloroethane
Concen: 42.08 ug/L
RT: 10.272 min Scan# 3473
Delta R.T. -0.003 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 97 Resp: 192383

Ion	Ratio	Lower	Upper
97	100		
99	64.0	41.9	86.9
61	40.1	29.7	61.7
63	13.5	9.9	20.5

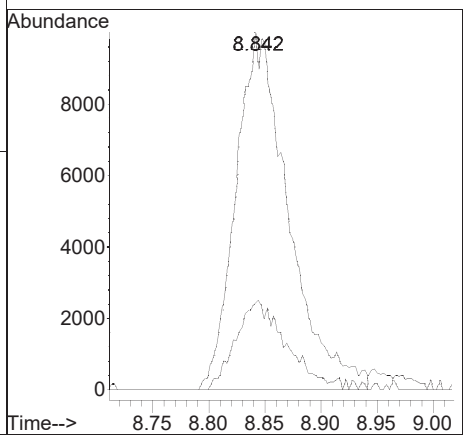


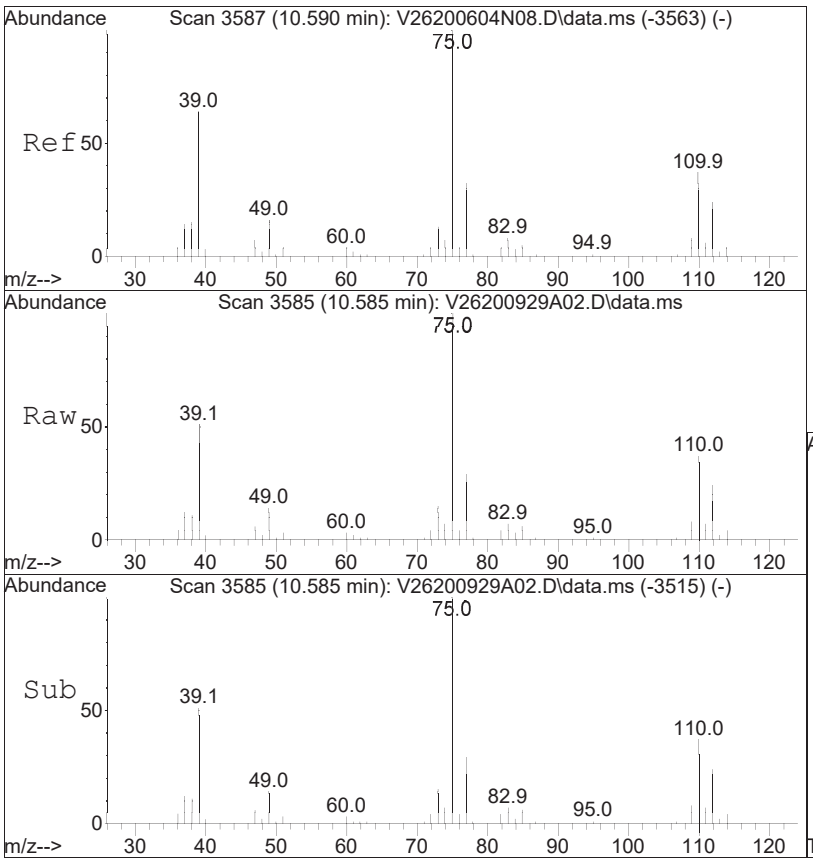


#42
2-Butanone
Concen: 27.74 ug/L
RT: 8.842 min Scan# 2960
Delta R.T. -0.011 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 43 Resp: 32518

Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.7	28.1

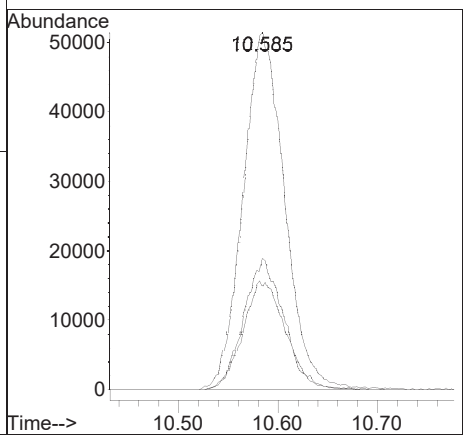


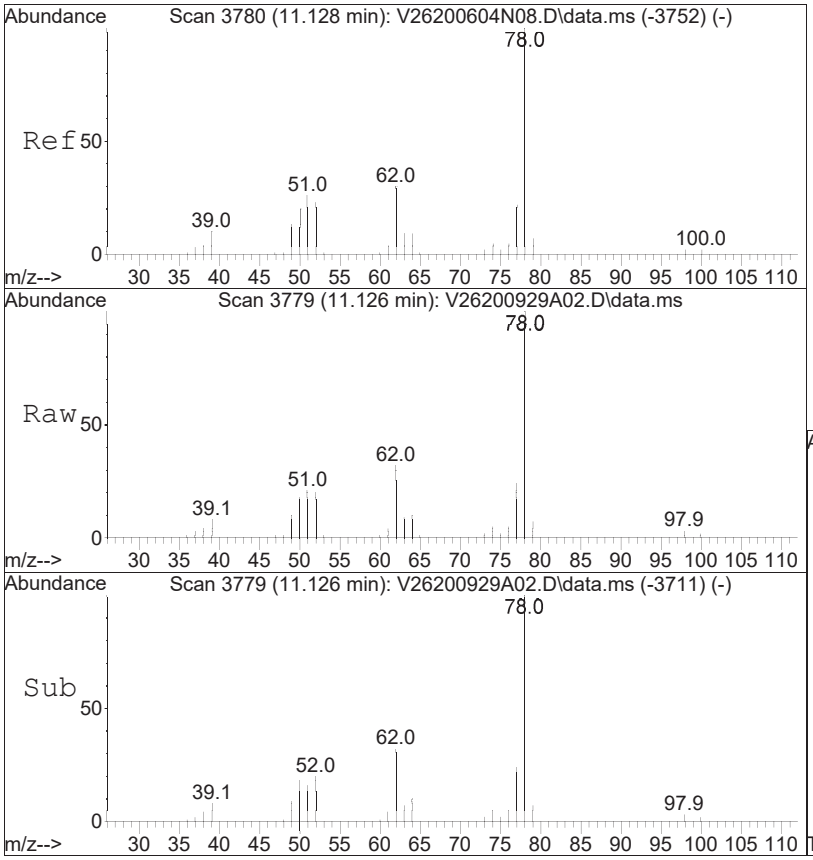


#43
1,1-Dichloropropene
Concen: 39.40 ug/L
RT: 10.585 min Scan# 3585
Delta R.T. -0.006 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 75 Resp: 148550

Ion	Ratio	Lower	Upper
75	100		
110	35.8	23.9	49.7
77	30.8	20.2	42.0

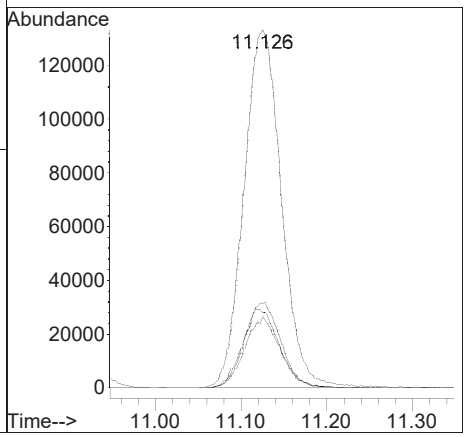


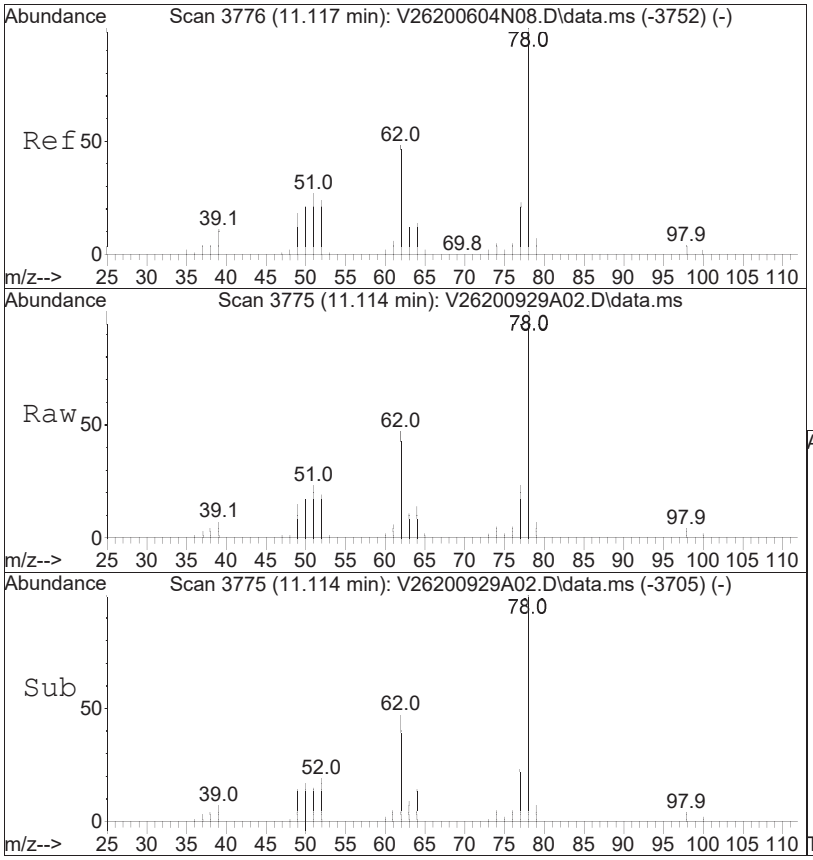


#45
Benzene
Concen: 33.72 ug/L
RT: 11.126 min Scan# 3779
Delta R.T. -0.011 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 78 Resp: 402114

Ion	Ratio	Lower	Upper
78	100		
77	23.5	15.6	32.4
51	22.0	14.3	29.7
52	18.8	11.9	24.7

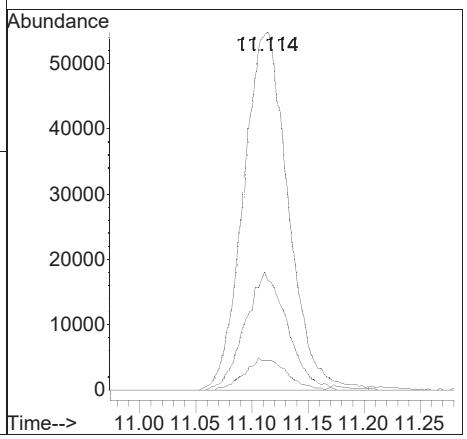


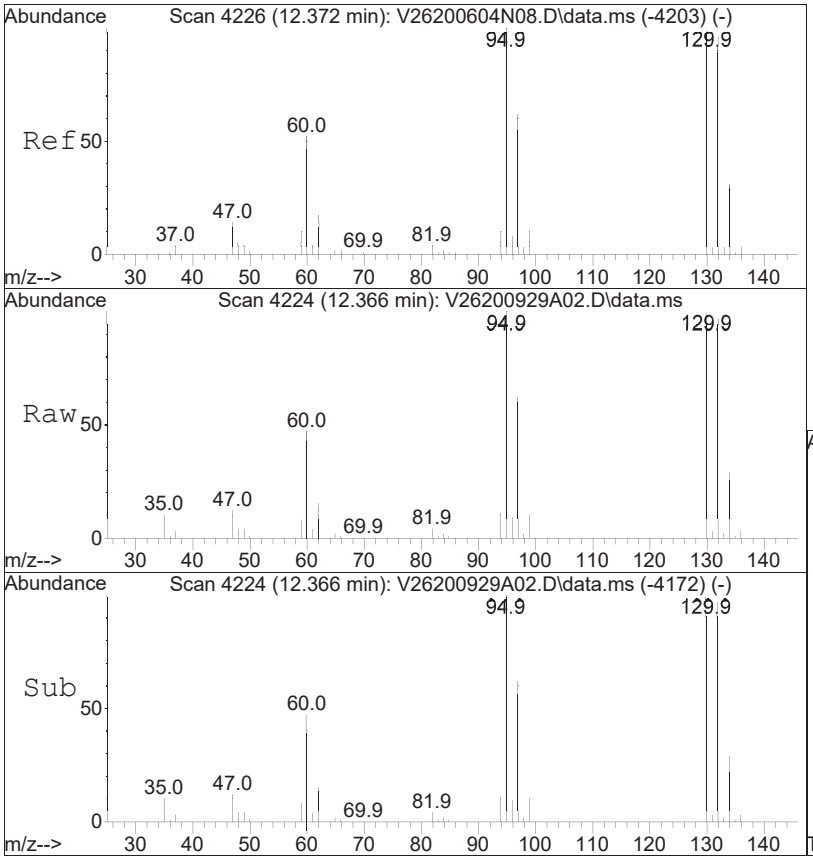


#48
1,2-Dichloroethane
Concen: 35.28 ug/L
RT: 11.114 min Scan# 3775
Delta R.T. -0.006 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 62 Resp: 150250

Ion	Ratio	Lower	Upper
62	100		
64	31.2	12.0	52.0
98	8.2	0.0	29.3

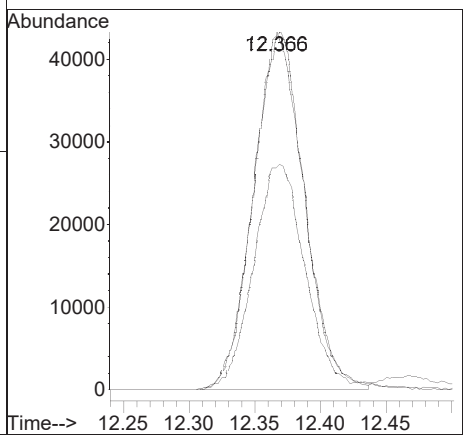


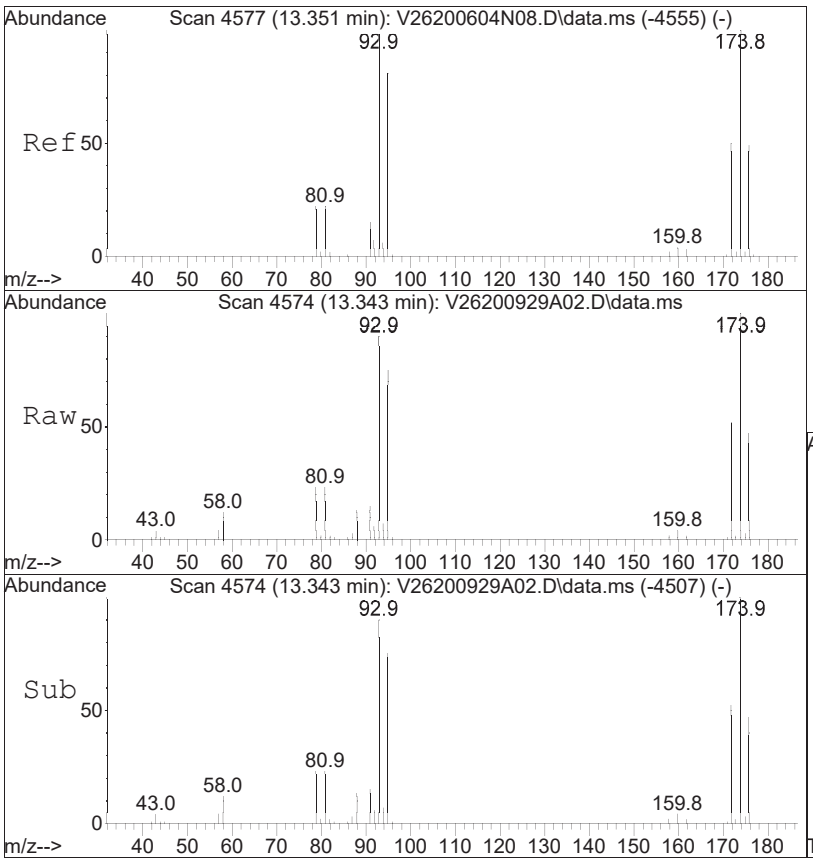


#52
Trichloroethene
Concen: 36.90 ug/L
RT: 12.366 min Scan# 4224
Delta R.T. -0.006 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 95 Resp: 114493

Ion	Ratio	Lower	Upper
95	100		
97	64.7	51.3	76.9
130	102.3	84.5	126.7

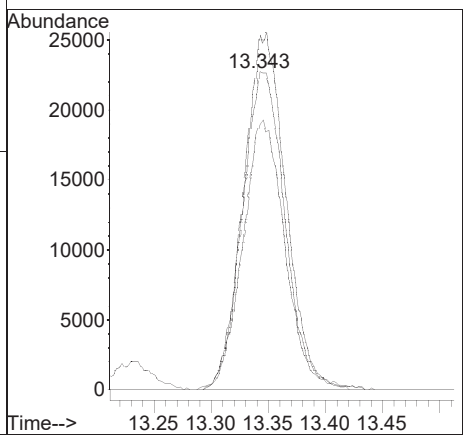


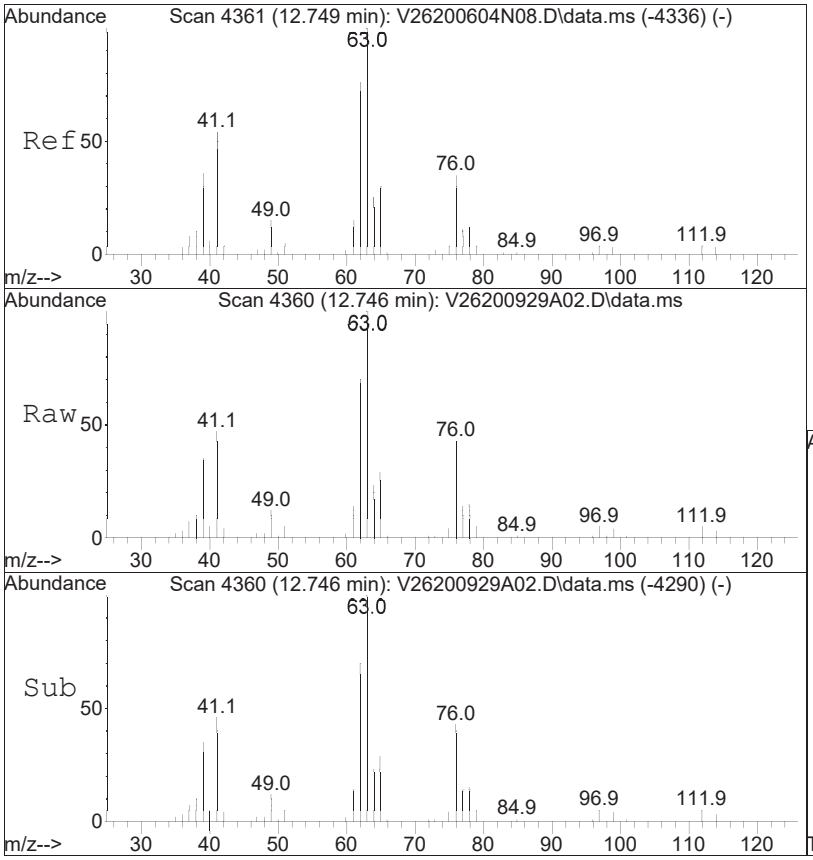


#54
Dibromomethane
Concen: 36.71 ug/L
RT: 13.343 min Scan# 4574
Delta R.T. -0.014 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 93 Resp: 59160

Ion	Ratio	Lower	Upper
93	100		
95	82.7	66.8	100.2
174	110.6	79.5	119.3

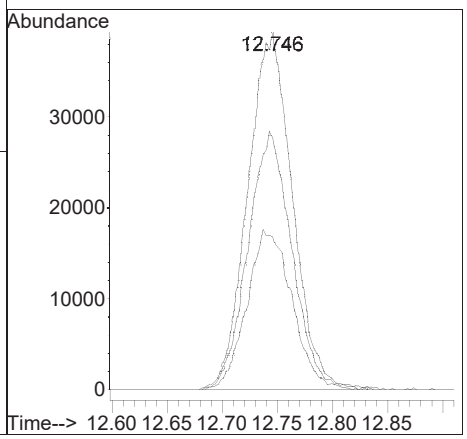


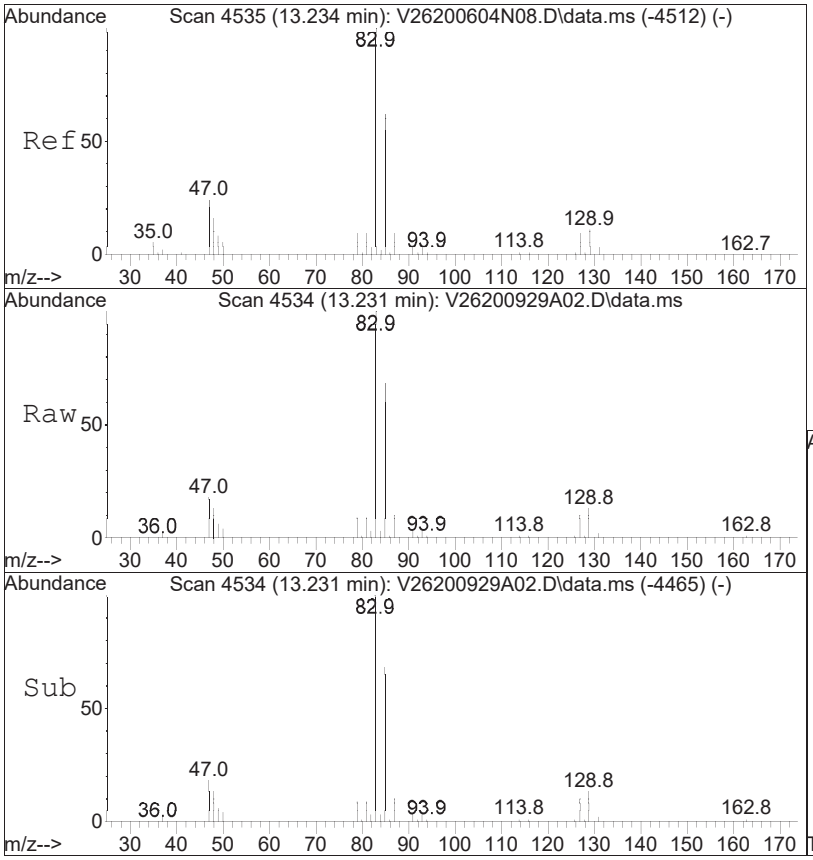


#55
1,2-Dichloropropane
Concen: 30.09 ug/L
RT: 12.746 min Scan# 4360
Delta R.T. -0.006 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 63 Resp: 110011

Ion	Ratio	Lower	Upper
63	100		
62	71.2	57.3	85.9
76	45.4	31.9	47.9

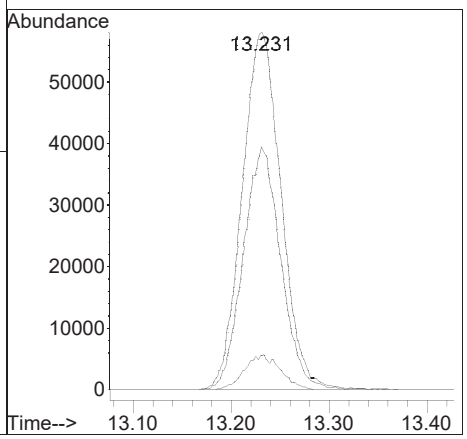


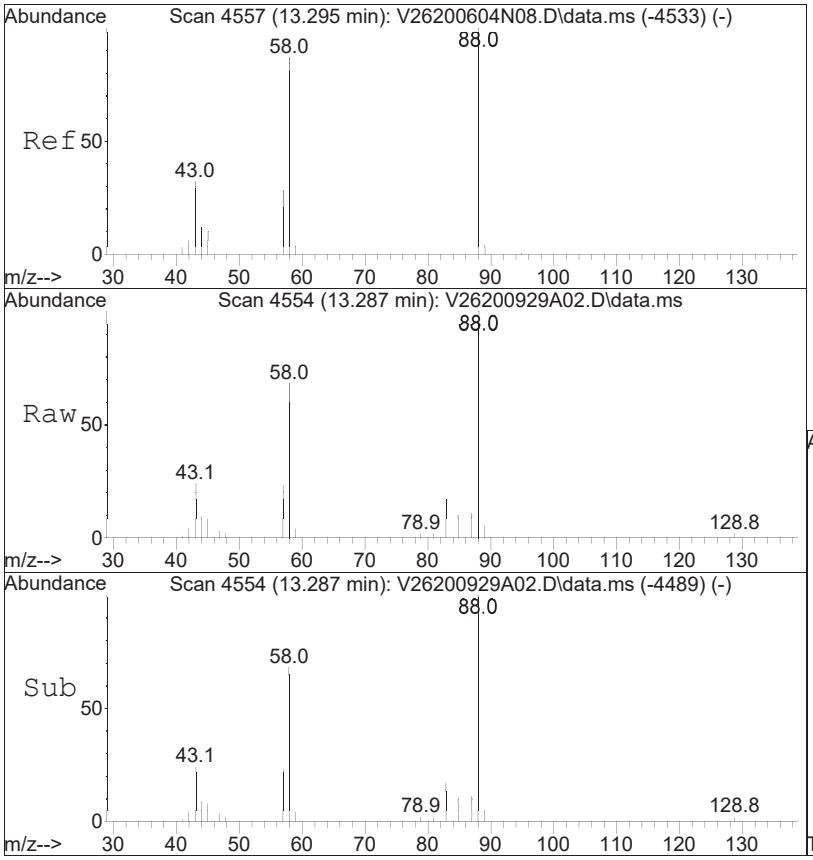


#58
Bromodichloromethane
Concen: 39.93 ug/L
RT: 13.231 min Scan# 4534
Delta R.T. -0.008 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 83 Resp: 159115

Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.4	77.0
127	9.2	7.1	10.7

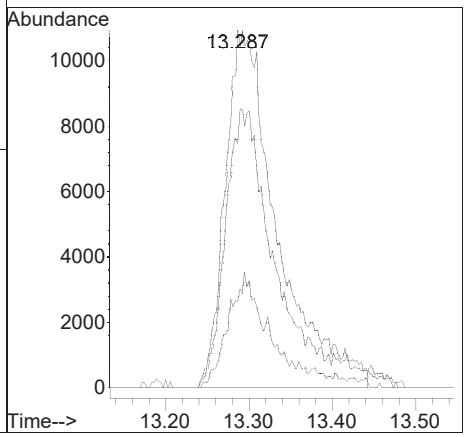


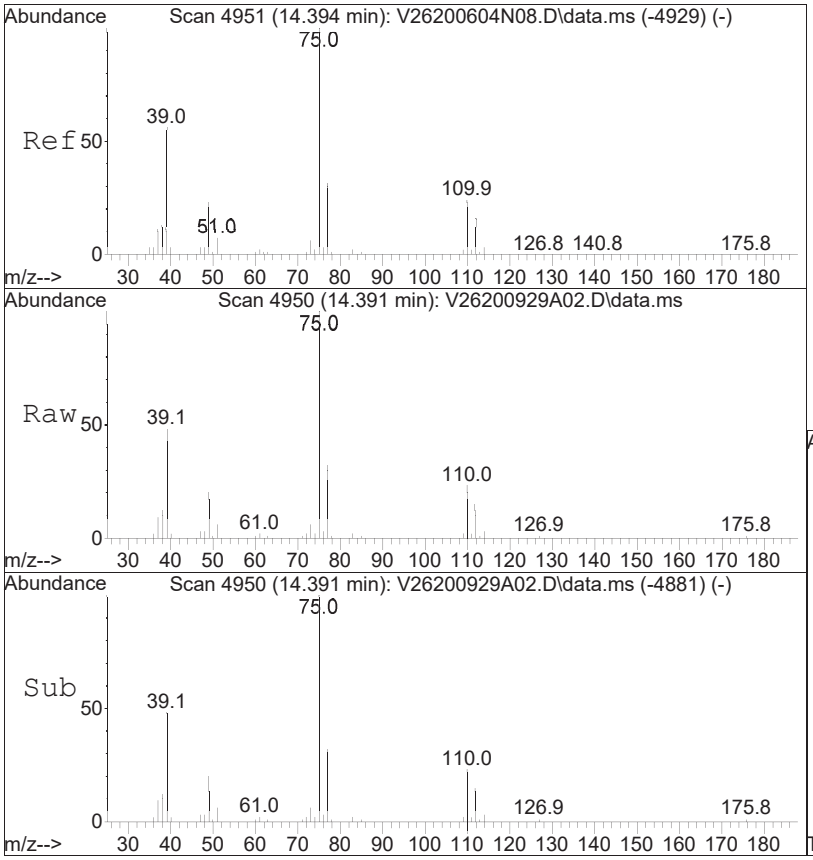


#61
1,4-Dioxane
Concen: 2090.56 ug/L
RT: 13.287 min Scan# 4554
Delta R.T. -0.020 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 88 Resp: 47159

Ion	Ratio	Lower	Upper
88	100		
58	71.7	57.0	85.4
43	23.6	20.4	30.6

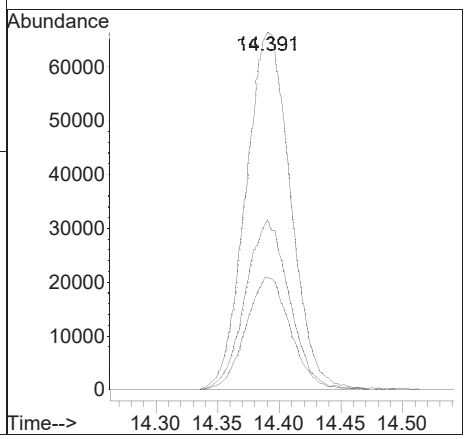


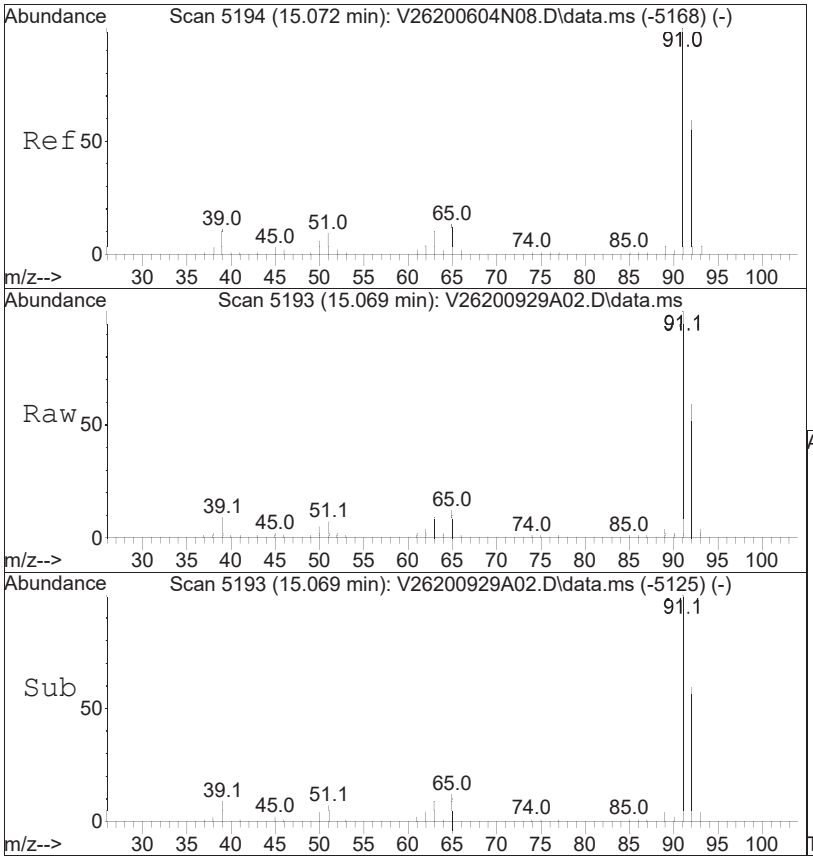


#62
cis-1,3-Dichloropropene
Concen: 37.02 ug/L
RT: 14.391 min Scan# 4950
Delta R.T. -0.008 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 75 Resp: 166224

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.5	38.3
39	46.7	43.7	65.5

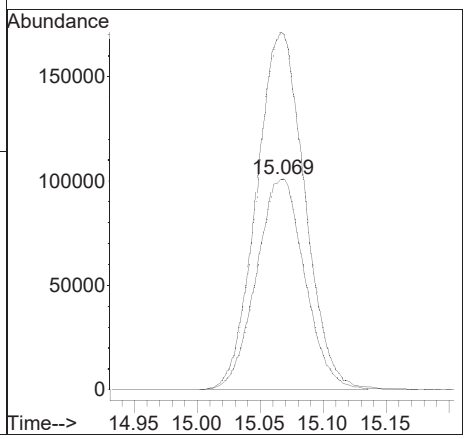


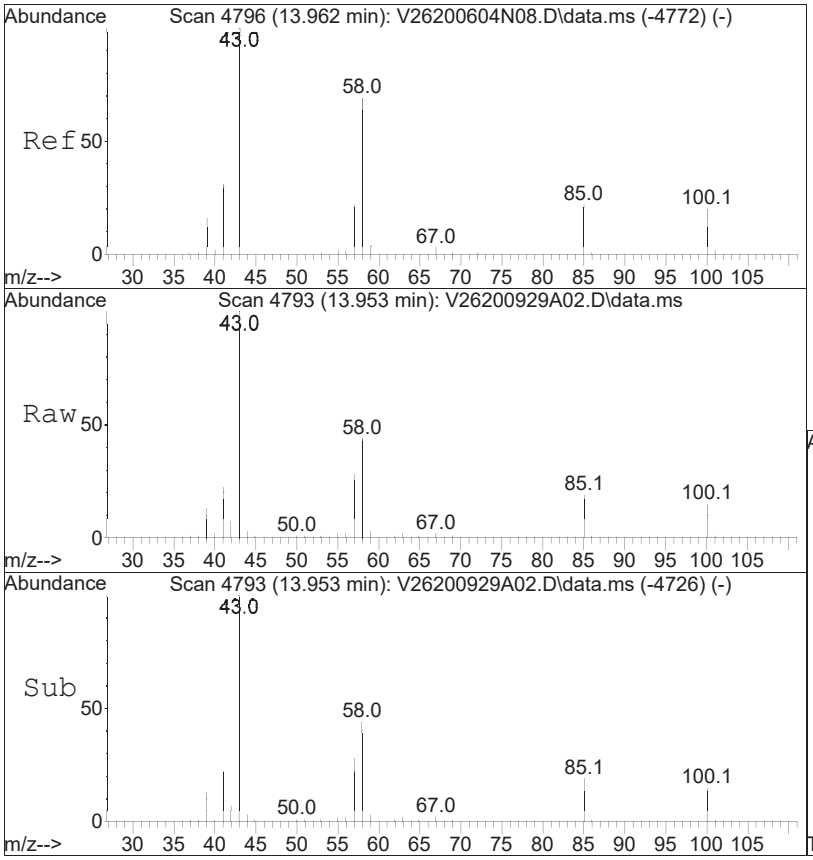


#66
Toluene
Concen: 35.53 ug/L
RT: 15.069 min Scan# 5193
Delta R.T. -0.011 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 92 Resp: 268286

Ion	Ratio	Lower	Upper
92	100		
91	168.9	132.2	198.2

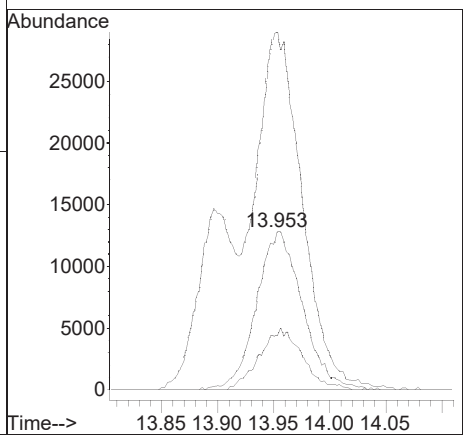


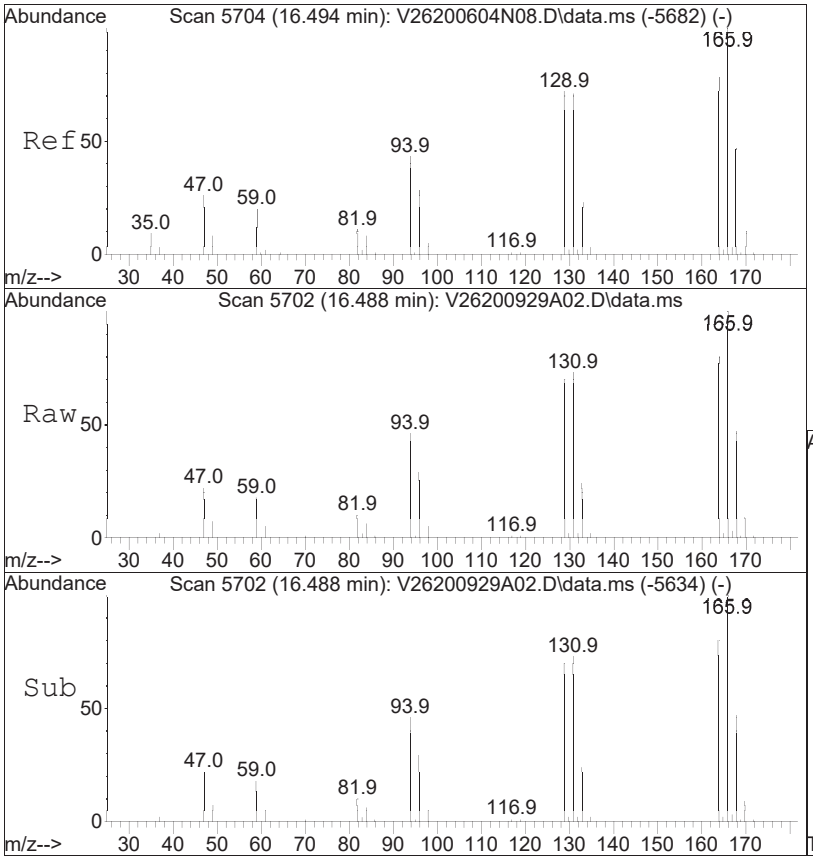


#67
4-Methyl-2-pentanone
Concen: 33.36 ug/L
RT: 13.953 min Scan# 4793
Delta R.T. -0.014 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 58 Resp: 36546

Ion	Ratio	Lower	Upper
58	100		
100	36.3	29.7	44.5
43	213.2	202.8	304.2

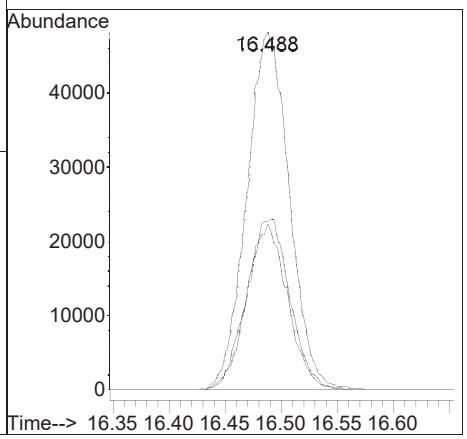


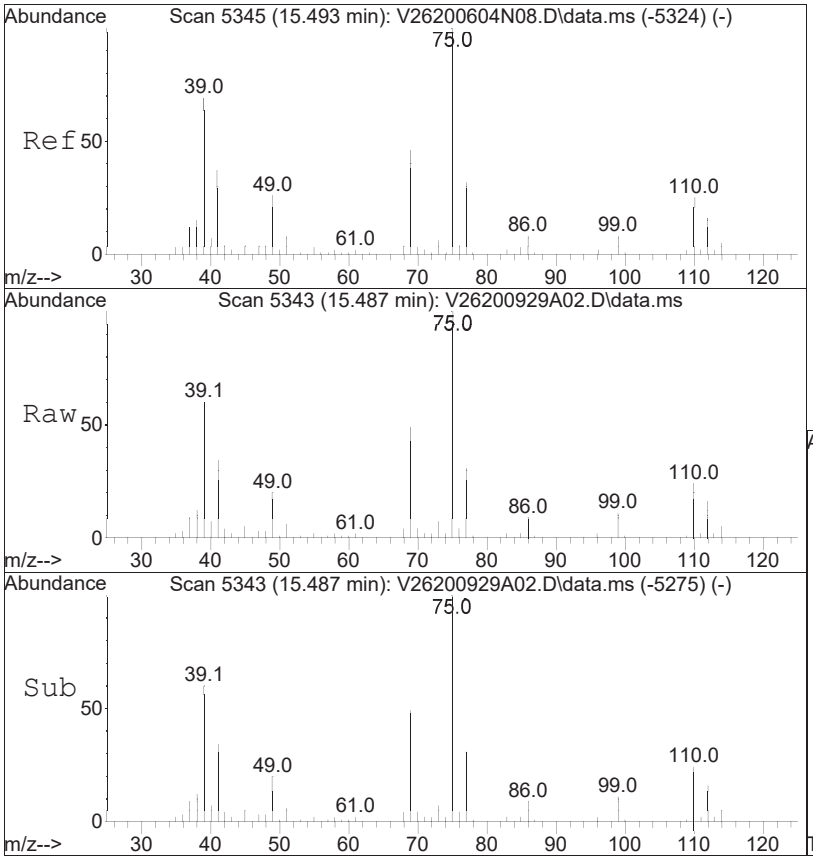


#68
Tetrachloroethene
Concen: 39.25 ug/L
RT: 16.488 min Scan# 5702
Delta R.T. -0.011 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion:166 Resp: 126496

Ion	Ratio	Lower	Upper
166	100		
168	48.0	27.8	67.8
94	45.3	24.4	64.4

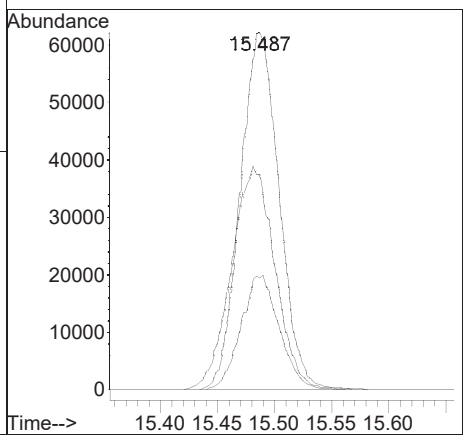


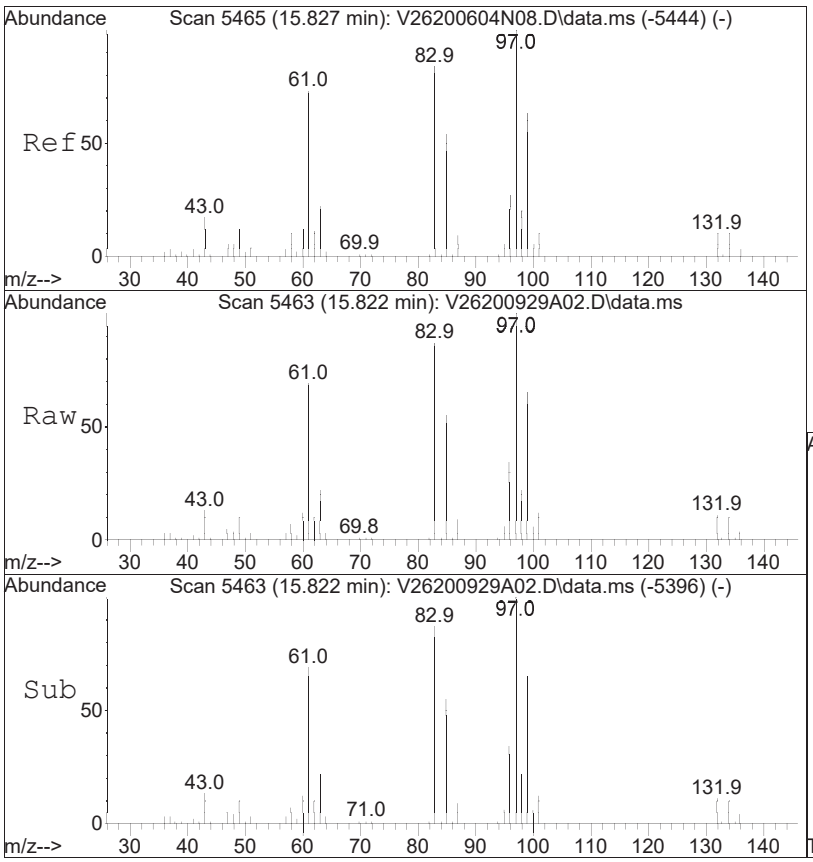


#71
trans-1,3-Dichloropropene
Concen: 39.49 ug/L
RT: 15.487 min Scan# 5343
Delta R.T. -0.011 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 75 Resp: 146182

Ion	Ratio	Lower	Upper
75	100		
77	31.8	11.8	51.8
39	70.1	66.6	106.6

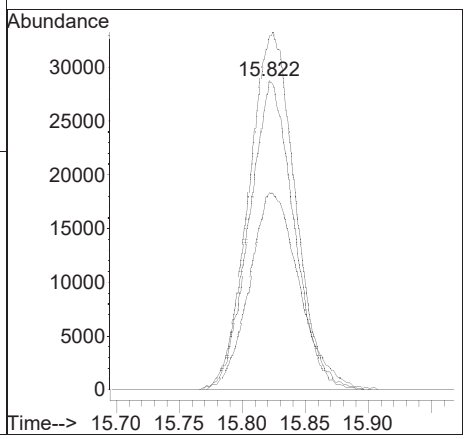


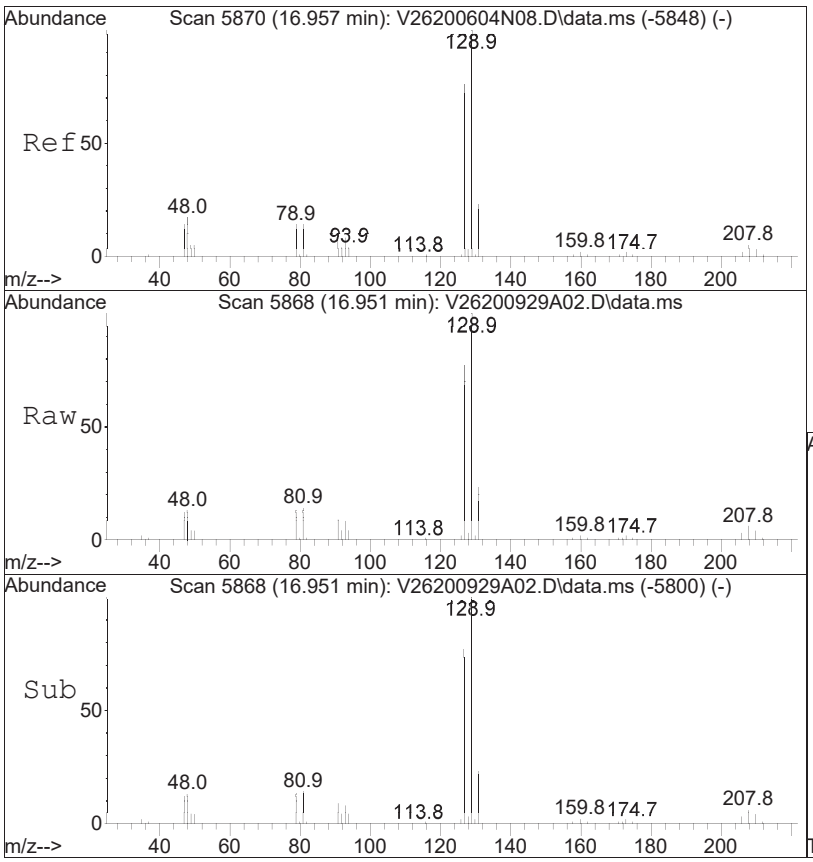


#75
1,1,2-Trichloroethane
Concen: 37.37 ug/L
RT: 15.822 min Scan# 5463
Delta R.T. -0.014 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 83 Resp: 70345

Ion	Ratio	Lower	Upper
83	100		
97	120.3	97.2	137.2
85	71.8	52.0	92.0

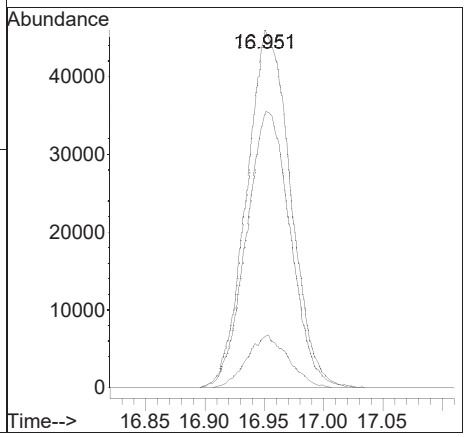


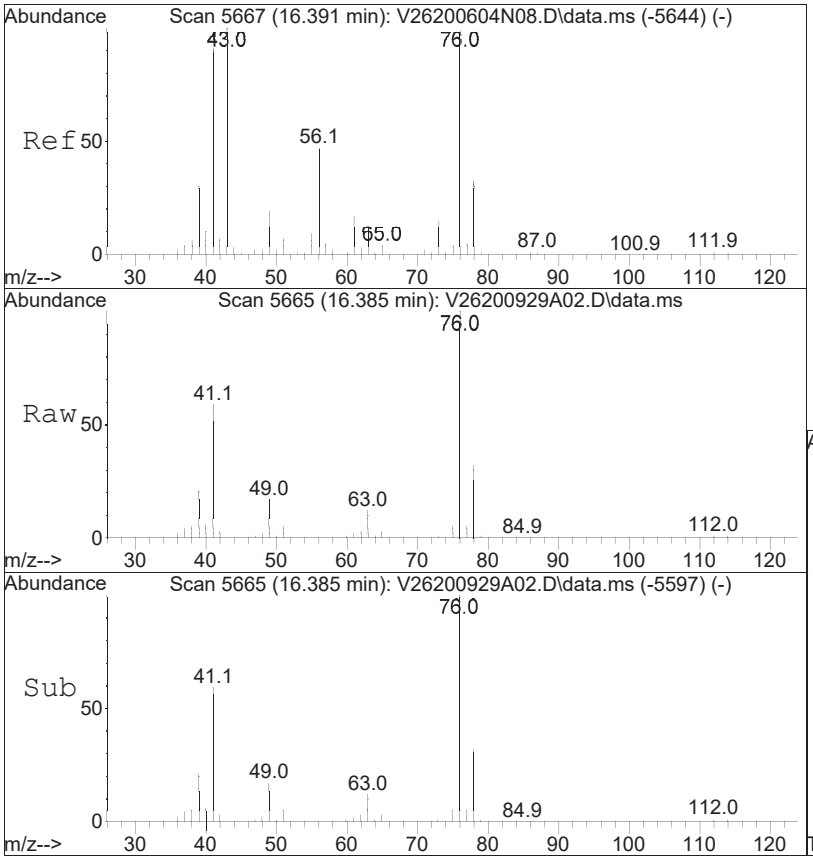


#76
Chlorodibromomethane
Concen: 43.19 ug/L
RT: 16.951 min Scan# 5868
Delta R.T. -0.011 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion:129 Resp: 117731

Ion	Ratio	Lower	Upper
129	100		
81	14.0	0.0	35.0
127	77.4	57.6	97.6

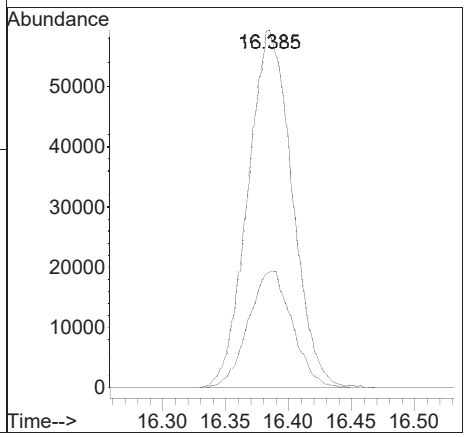


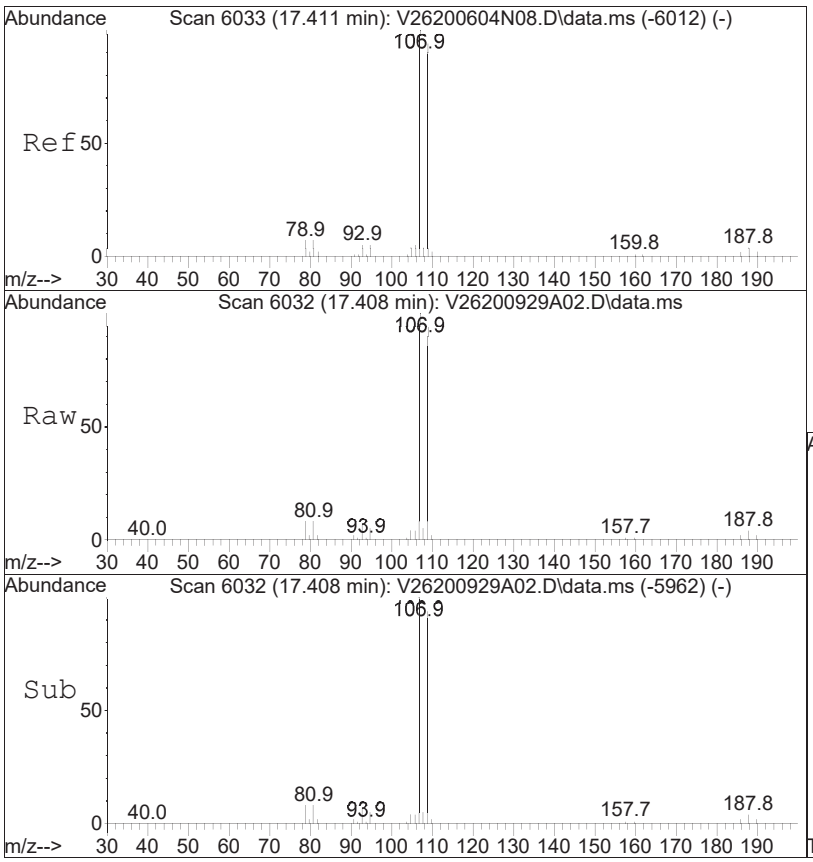


#77
1,3-Dichloropropane
Concen: 37.32 ug/L
RT: 16.385 min Scan# 5665
Delta R.T. -0.011 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 76 Resp: 144382

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.9	38.9

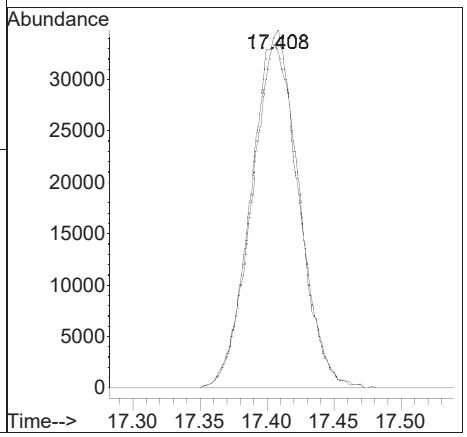


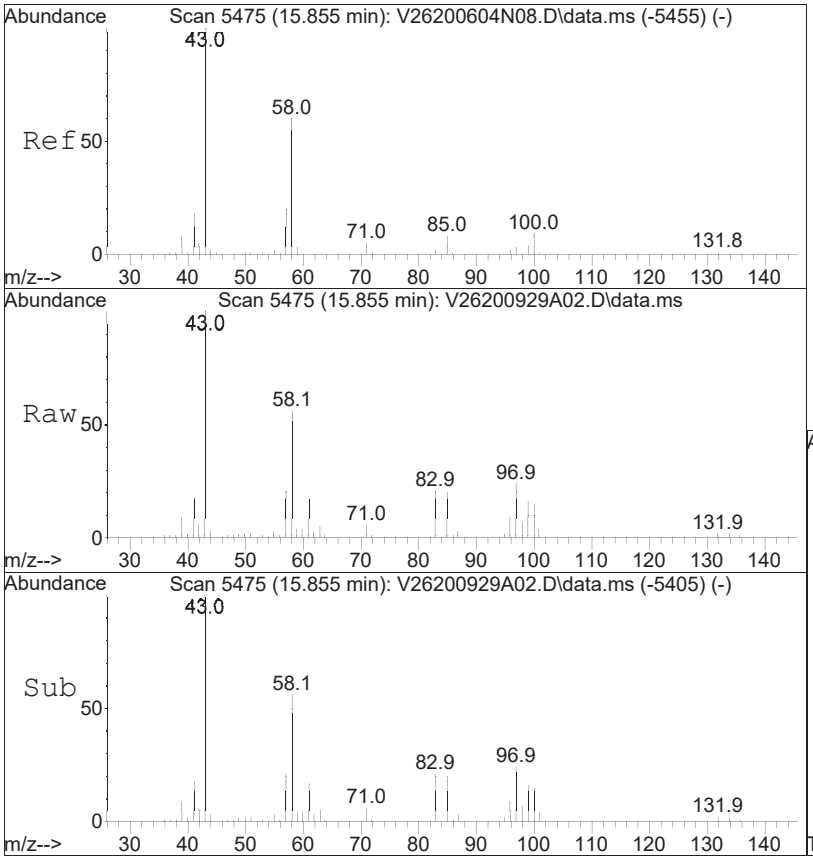


#78
1,2-Dibromoethane
Concen: 39.66 ug/L
RT: 17.408 min Scan# 6032
Delta R.T. -0.006 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion:107 Resp: 85206

Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.5	113.3

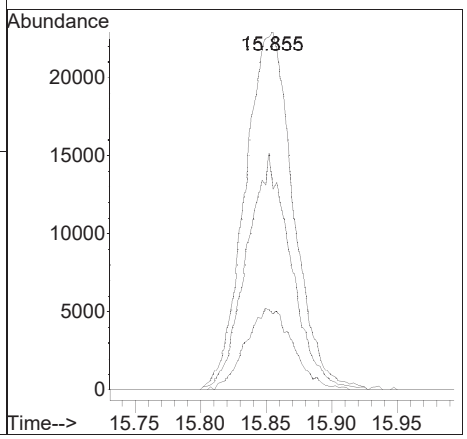


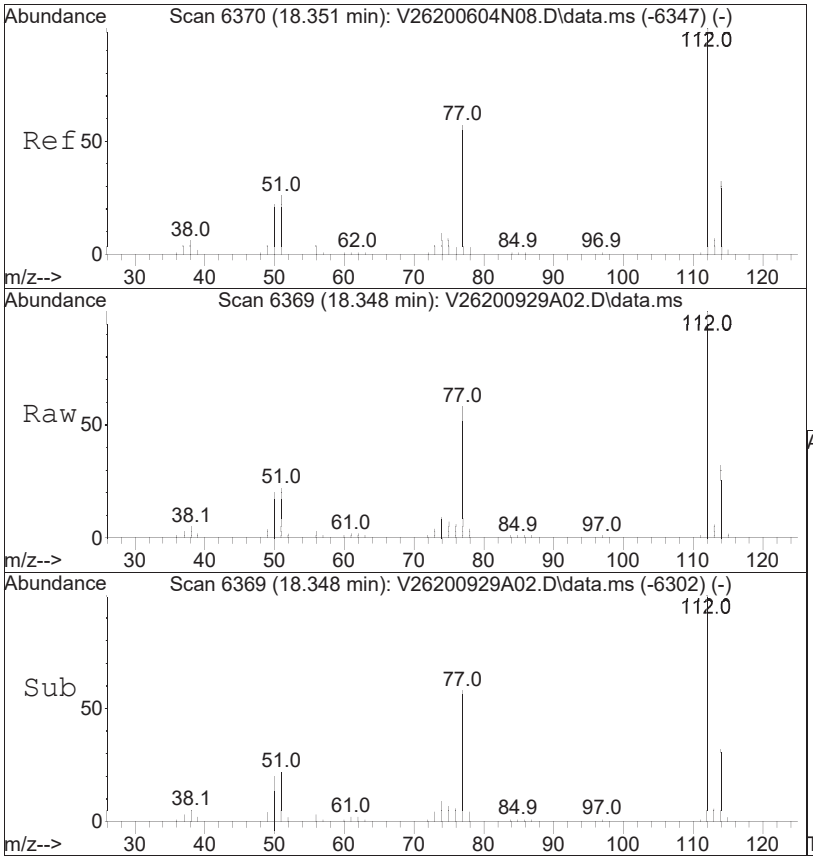


#80
2-Hexanone
Concen: 31.78 ug/L
RT: 15.855 min Scan# 5475
Delta R.T. -0.006 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 43 Resp: 58440

Ion	Ratio	Lower	Upper
43	100		
58	61.1	43.2	64.8
57	22.5	14.8	22.2#

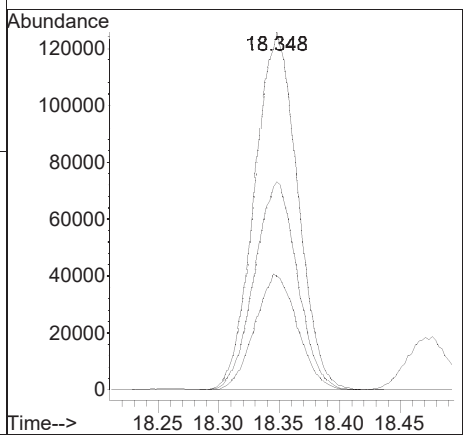


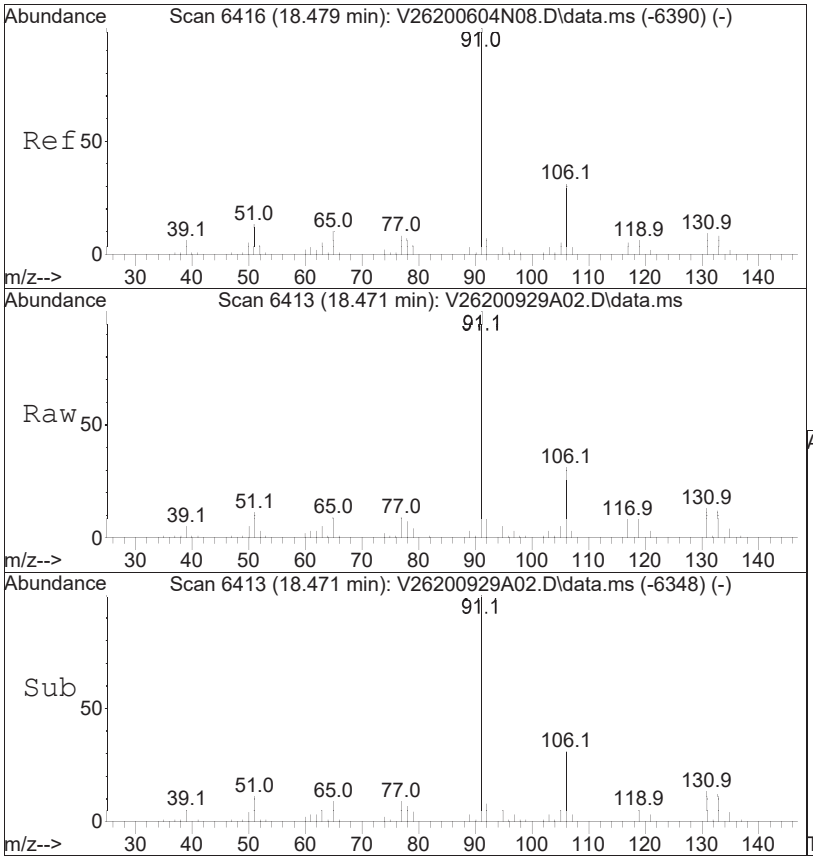


#82
Chlorobenzene
Concen: 36.67 ug/L
RT: 18.348 min Scan# 6369
Delta R.T. -0.014 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion:112 Resp: 309868

Ion	Ratio	Lower	Upper
112	100		
77	57.4	46.1	69.1
114	32.1	26.3	39.5

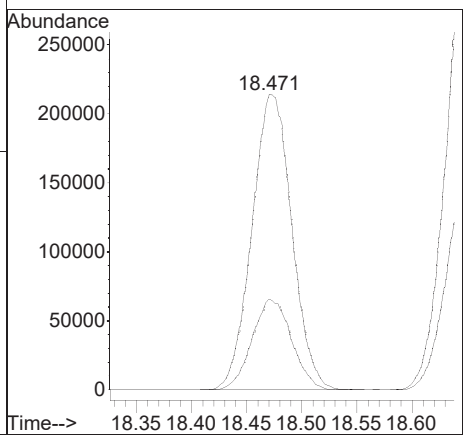


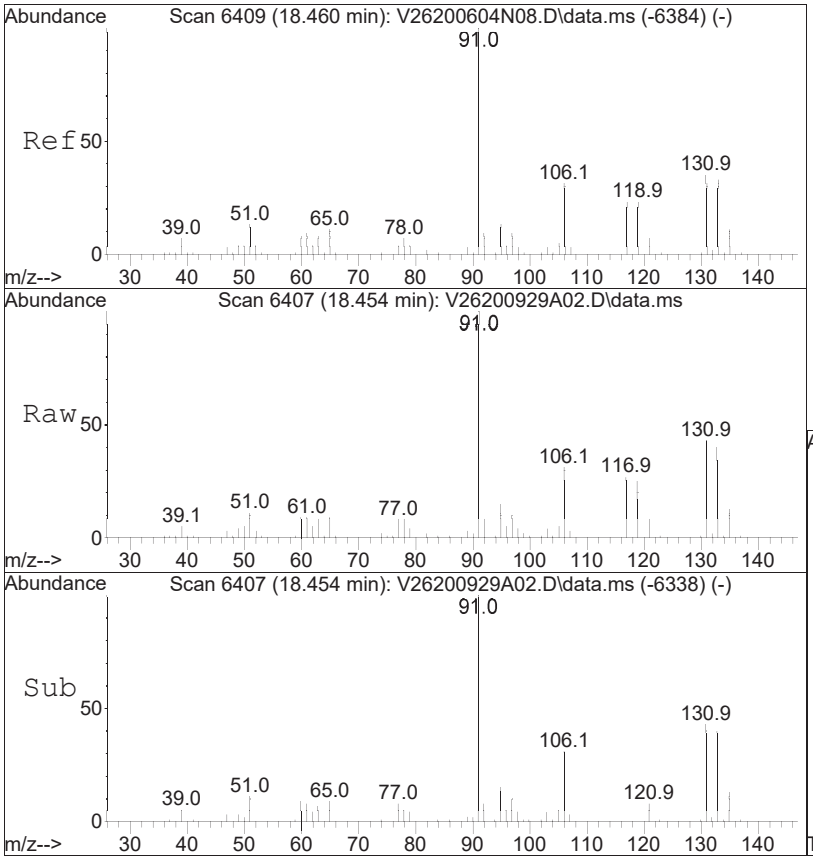


#83
Ethylbenzene
Concen: 37.95 ug/L
RT: 18.471 min Scan# 6413
Delta R.T. -0.020 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 91 Resp: 538545

Ion	Ratio	Lower	Upper
91	100		
106	30.5	26.6	39.8

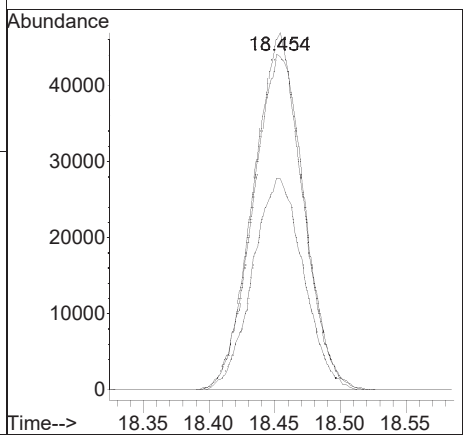


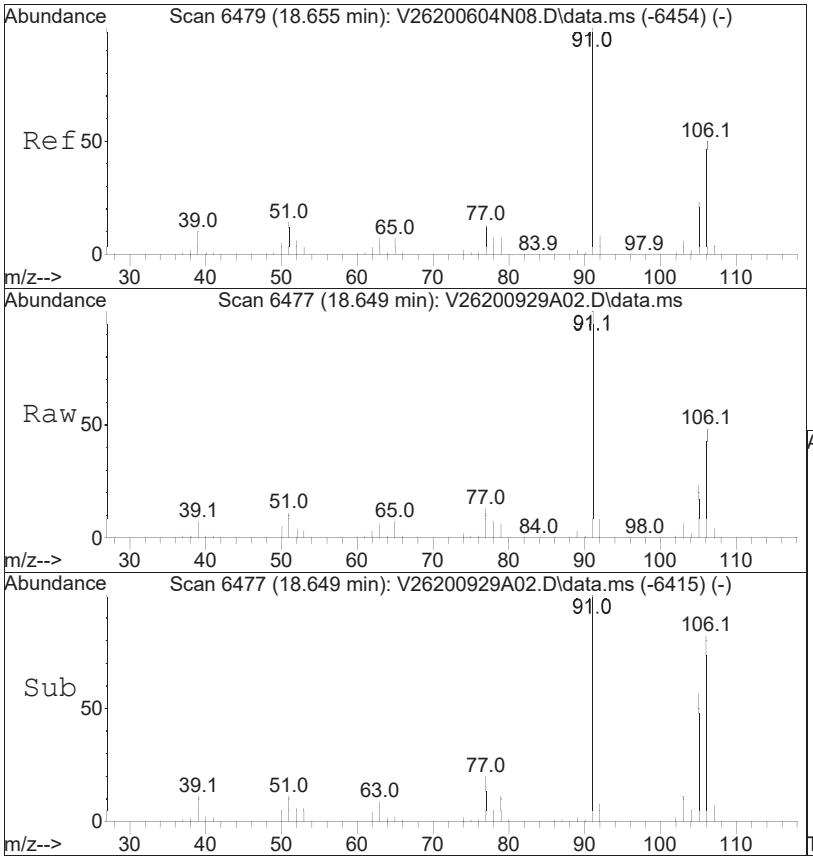


#84
1,1,1,2-Tetrachloroethane
Concen: 43.45 ug/L
RT: 18.454 min Scan# 6407
Delta R.T. -0.008 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion:131 Resp: 123097

Ion	Ratio	Lower	Upper
131	100		
133	95.7	75.1	115.1
119	60.5	46.3	86.3

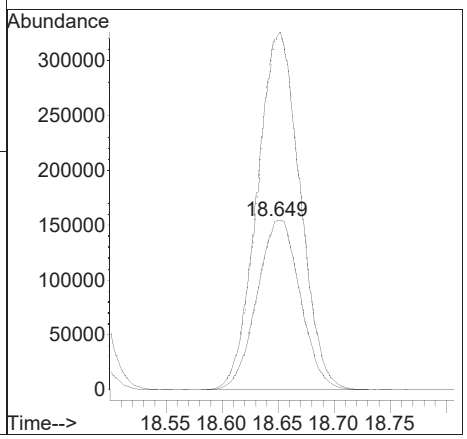


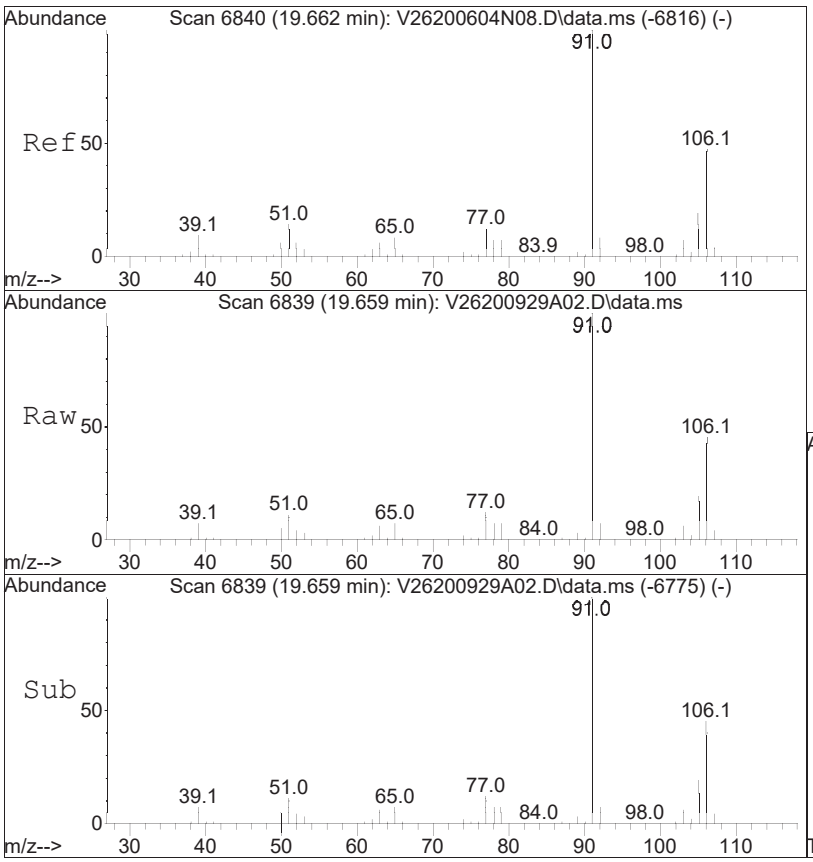


#85
p/m Xylene
Concen: 75.75 ug/L
RT: 18.649 min Scan# 6477
Delta R.T. -0.028 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion:106 Resp: 412444

Ion	Ratio	Lower	Upper
106	100		
91	208.0	147.9	221.9

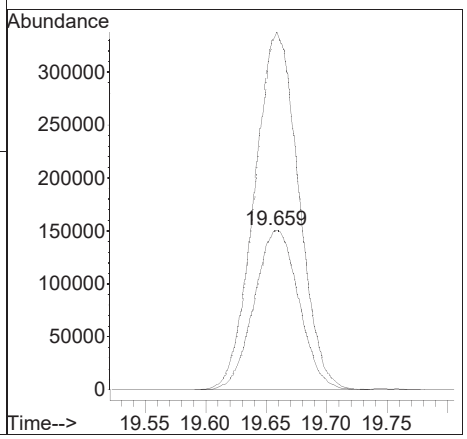


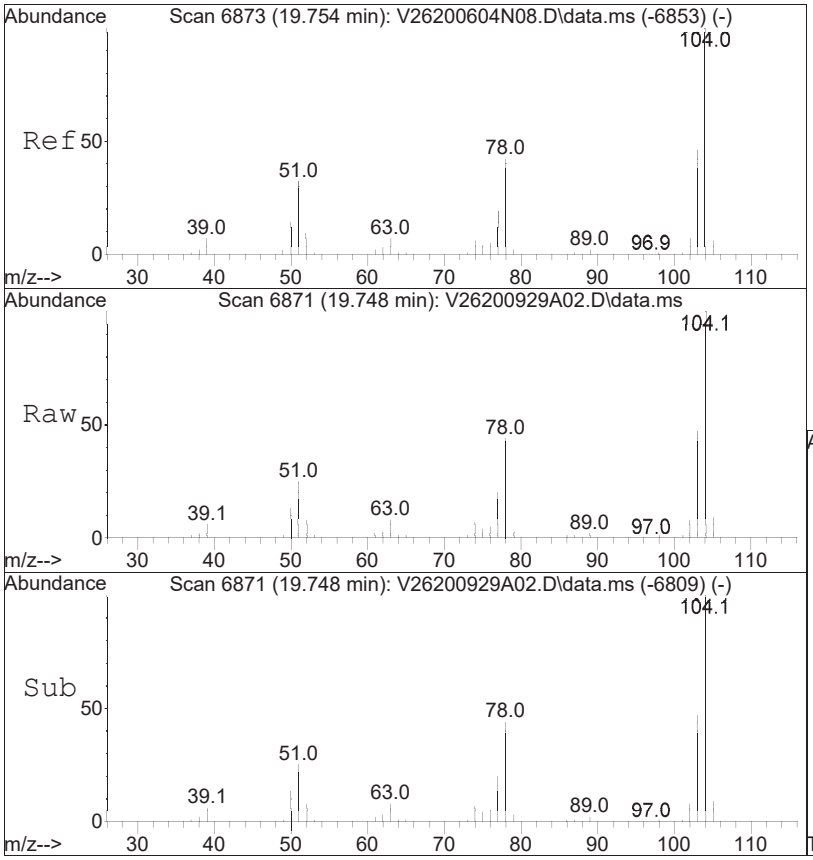


#86
o Xylene
Concen: 74.31 ug/L
RT: 19.659 min Scan# 6839
Delta R.T. -0.022 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion:106 Resp: 384848

Ion	Ratio	Lower	Upper
106	100		
91	221.4	155.0	232.6

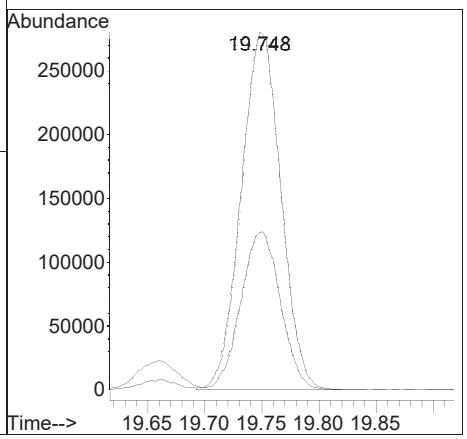


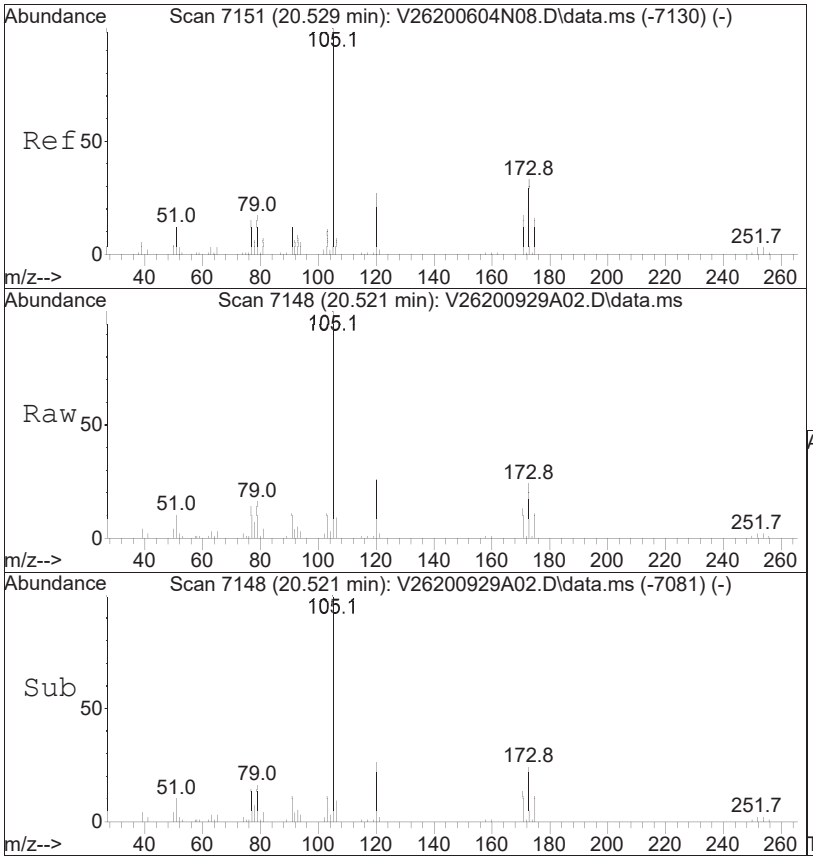


#87
Styrene
Concen: 77.95 ug/L
RT: 19.748 min Scan# 6871
Delta R.T. -0.028 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion:104 Resp: 671591

Ion	Ratio	Lower	Upper
104	100		
78	44.5	36.0	54.0

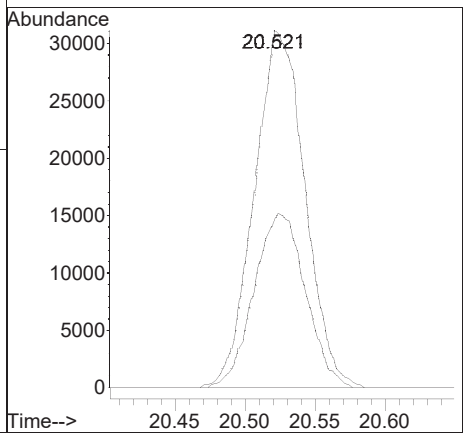


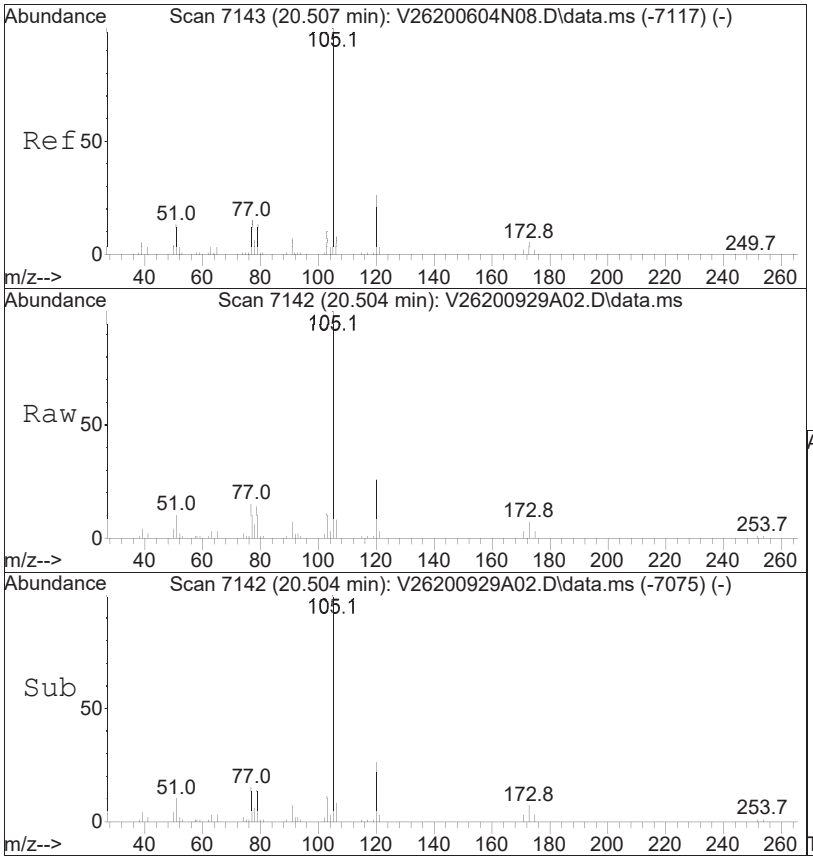


#89
Bromoform
Concen: 46.13 ug/L
RT: 20.521 min Scan# 7148
Delta R.T. -0.014 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion:173 Resp: 77705

Ion	Ratio	Lower	Upper
173	100		
175	49.5	28.7	68.7

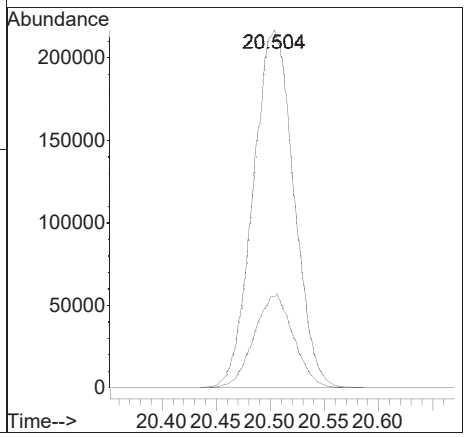


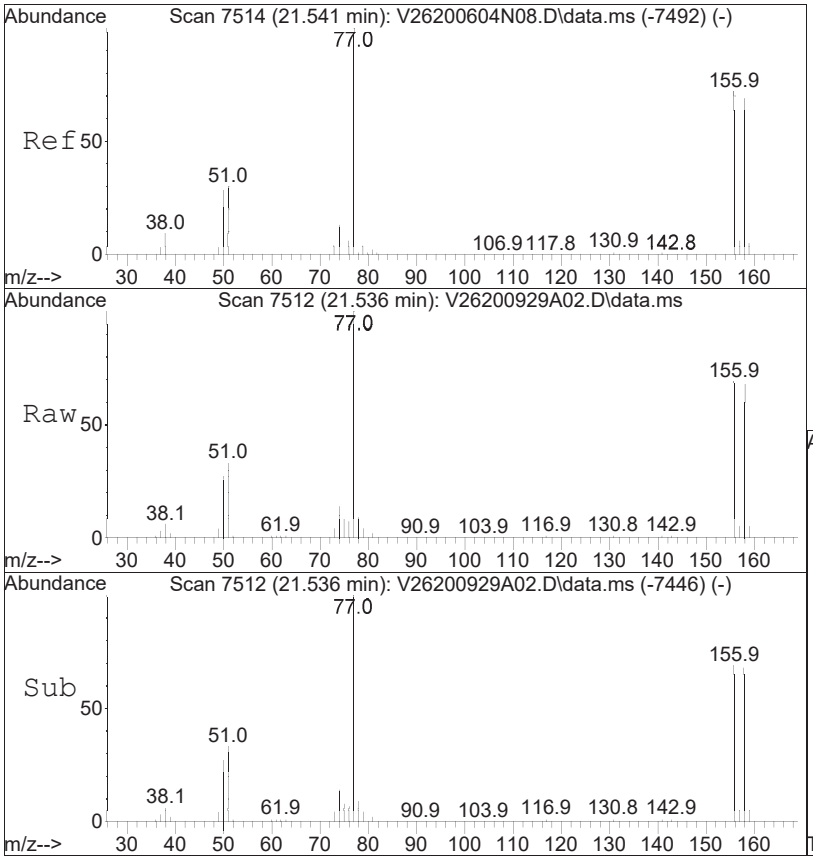


#91
Isopropylbenzene
Concen: 38.46 ug/L
RT: 20.504 min Scan# 7142
Delta R.T. -0.014 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion:105 Resp: 560651

Ion	Ratio	Lower	Upper
105	100		
120	25.4	8.4	48.4

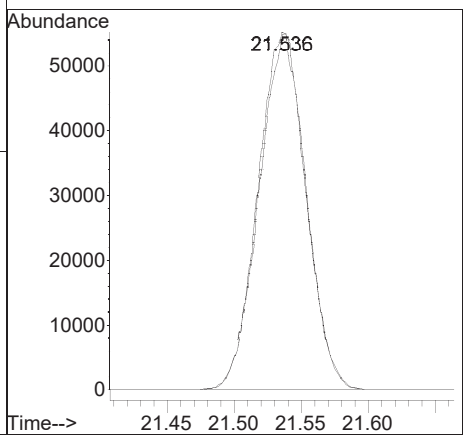


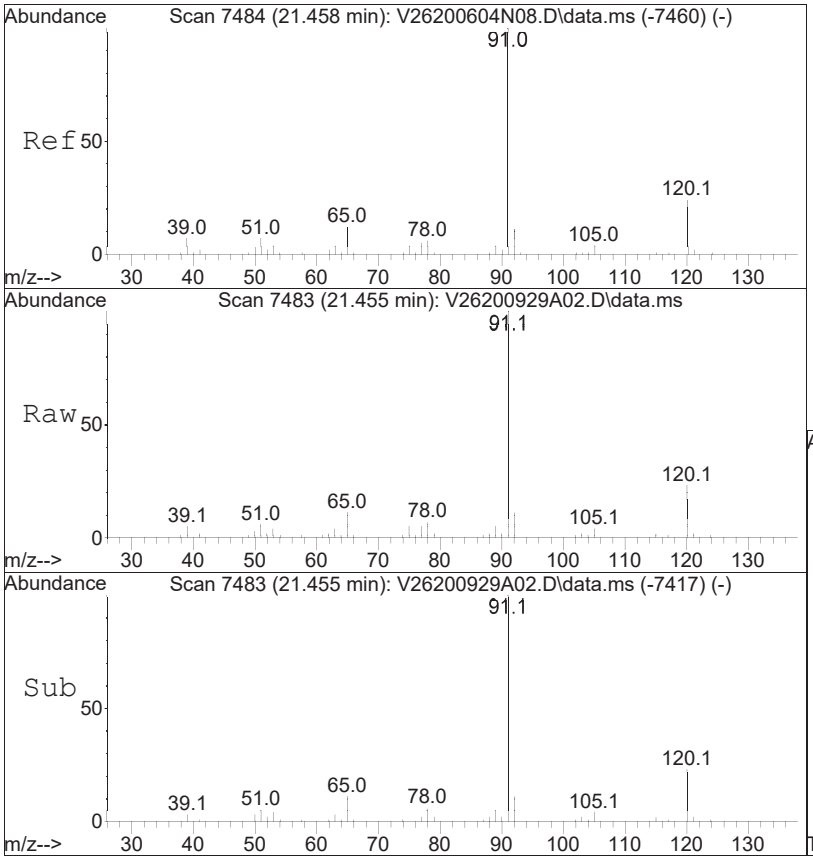


#93
Bromobenzene
Concen: 38.65 ug/L
RT: 21.536 min Scan# 7512
Delta R.T. -0.017 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion:156 Resp: 136730

Ion	Ratio	Lower	Upper
156	100		
158	96.7	77.4	116.2

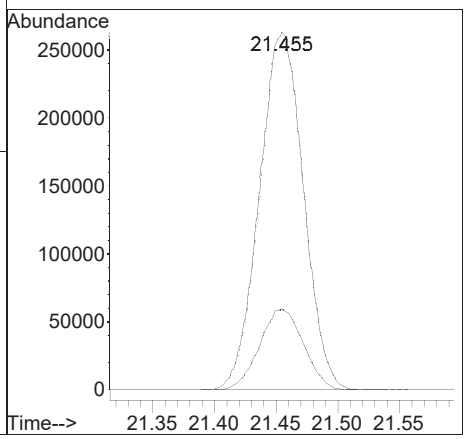


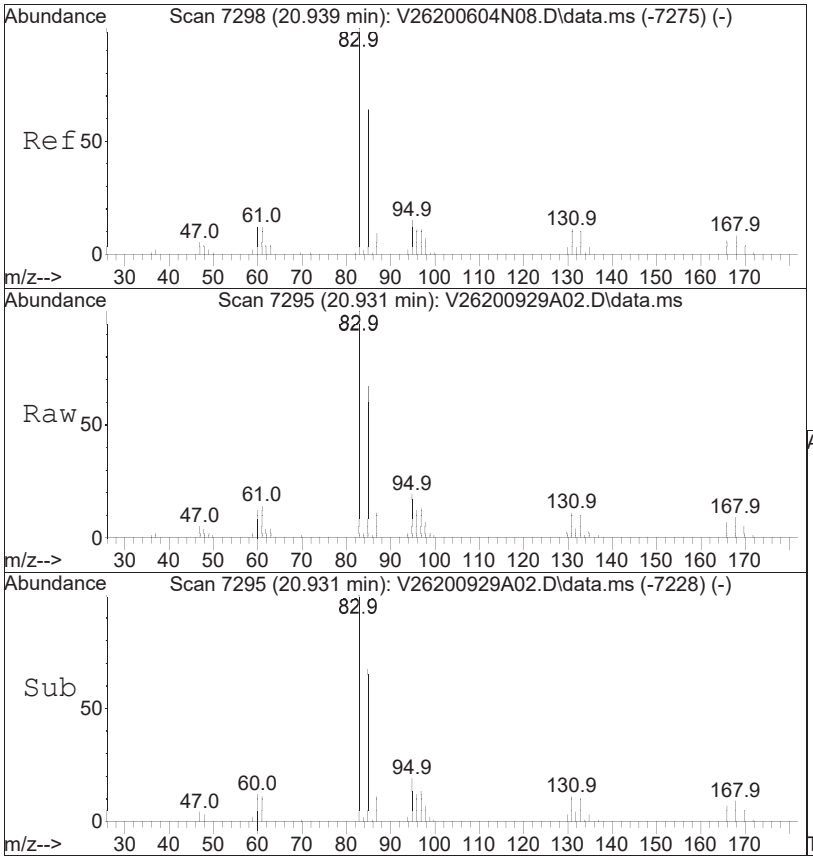


#95
n-Propylbenzene
Concen: 37.29 ug/L
RT: 21.455 min Scan# 7483
Delta R.T. -0.017 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 91 Resp: 647210

Ion	Ratio	Lower	Upper
91	100		
120	22.7	19.9	29.9

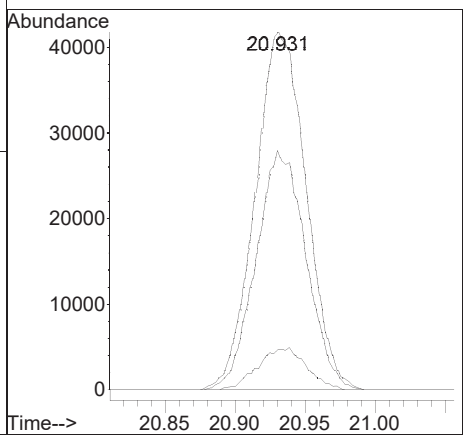


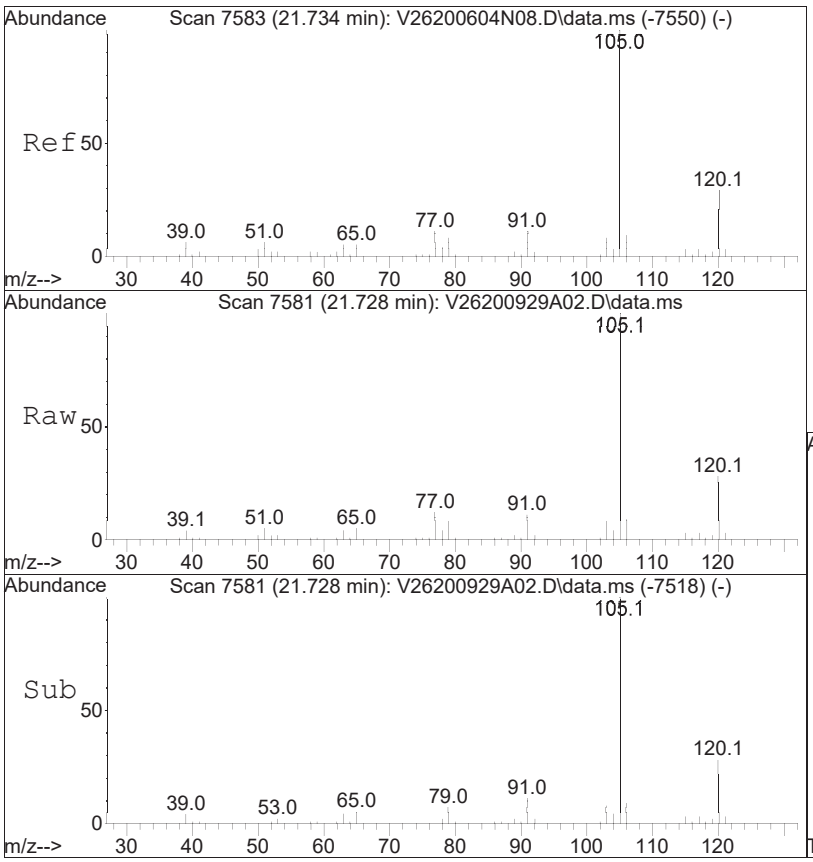


#97
1,1,2,2-Tetrachloroethane
Concen: 37.36 ug/L
RT: 20.931 min Scan# 7295
Delta R.T. -0.014 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 83 Resp: 105082

Ion	Ratio	Lower	Upper
83	100		
131	11.3	0.0	30.3
85	65.7	44.5	84.5

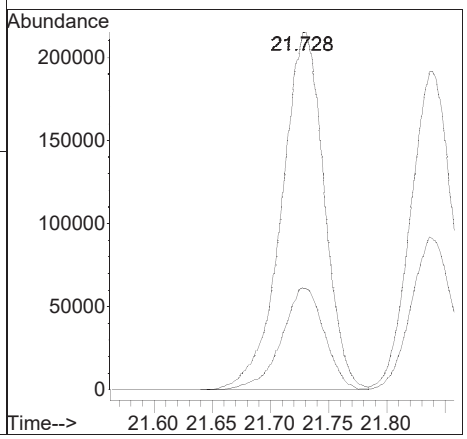


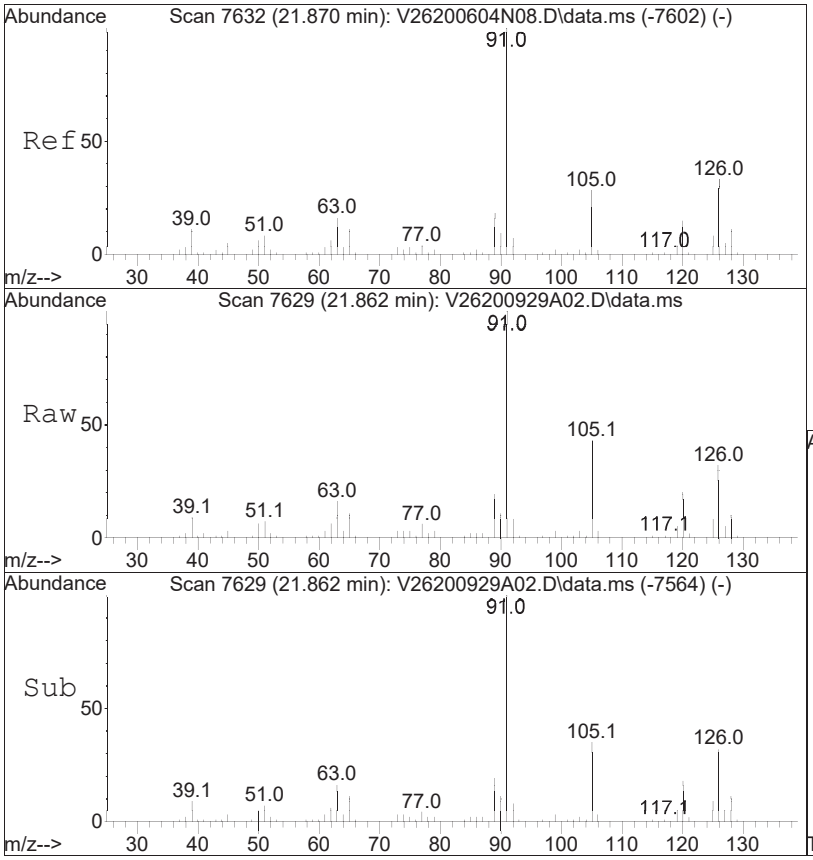


#98
4-Ethyltoluene
Concen: 37.98 ug/L
RT: 21.728 min Scan# 7581
Delta R.T. -0.025 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion:105 Resp: 548344

Ion	Ratio	Lower	Upper
105	100		
120	28.7	20.5	42.5

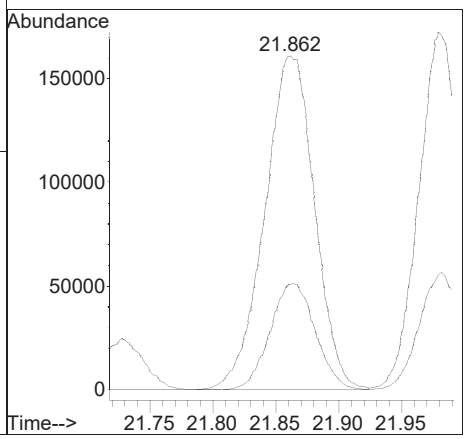


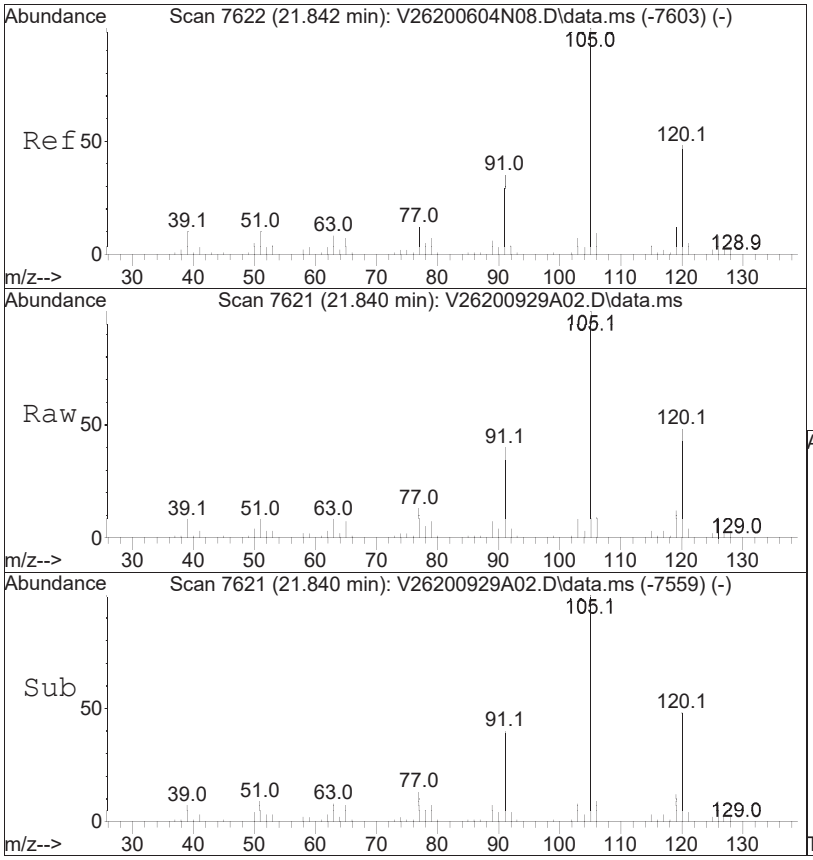


#99
2-Chlorotoluene
Concen: 38.45 ug/L
RT: 21.862 min Scan# 7629
Delta R.T. -0.020 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 91 Resp: 441673

Ion	Ratio	Lower	Upper
91	100		
126	29.0	25.4	38.0

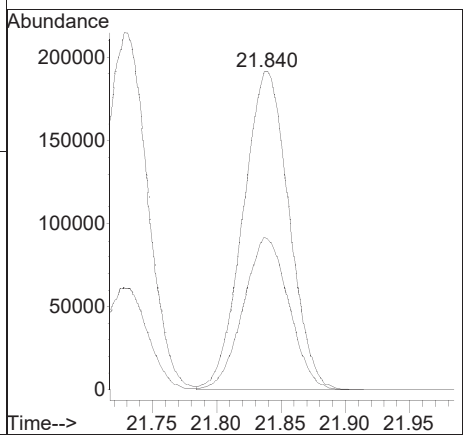


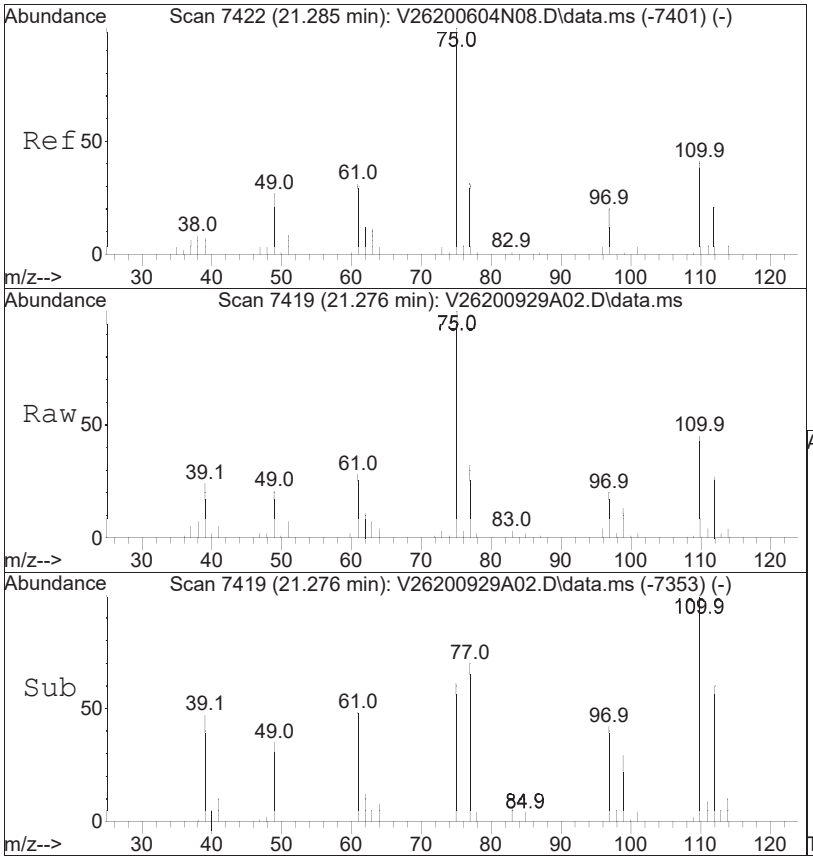


#100
1,3,5-Trimethylbenzene
Concen: 38.77 ug/L
RT: 21.840 min Scan# 7621
Delta R.T. -0.028 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion:105 Resp: 474542

Ion	Ratio	Lower	Upper
105	100		
120	47.5	41.4	62.0

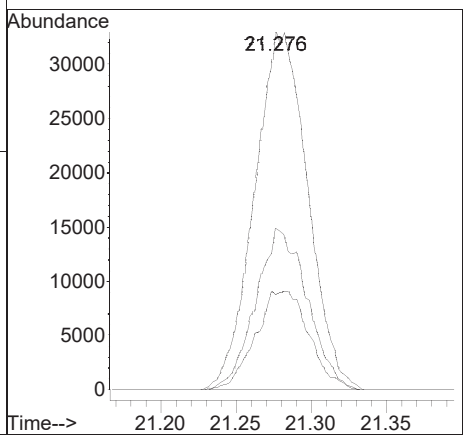


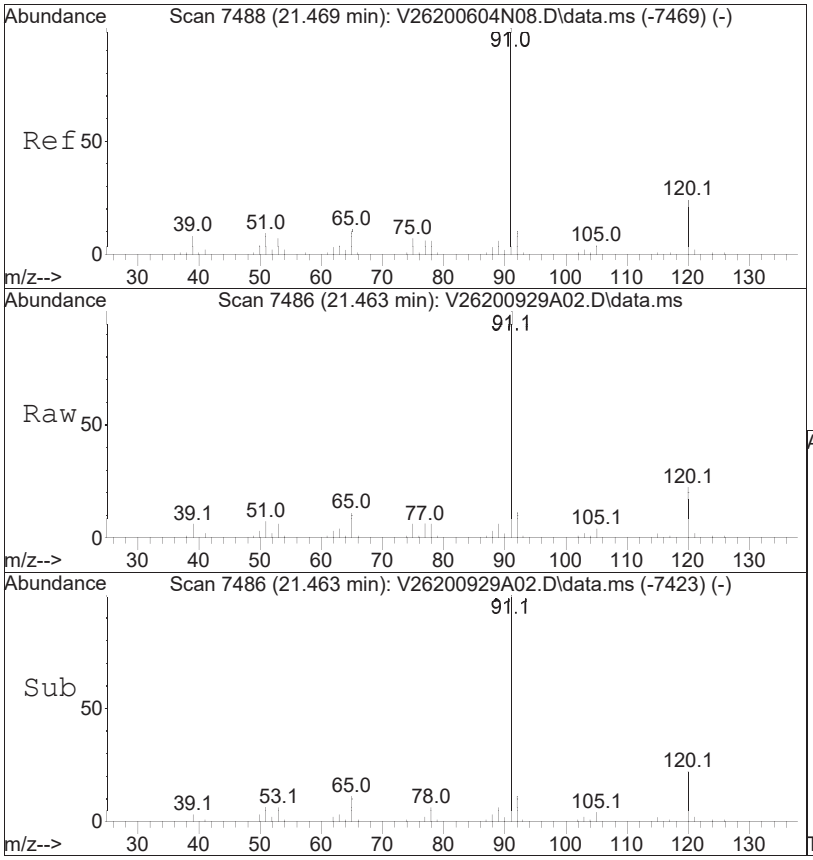


#101
1,2,3-Trichloropropane
Concen: 38.16 ug/L
RT: 21.276 min Scan# 7419
Delta R.T. -0.017 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 75 Resp: 80599

Ion	Ratio	Lower	Upper
75	100		
110	43.8	25.8	53.6
112	28.0	16.4	34.0

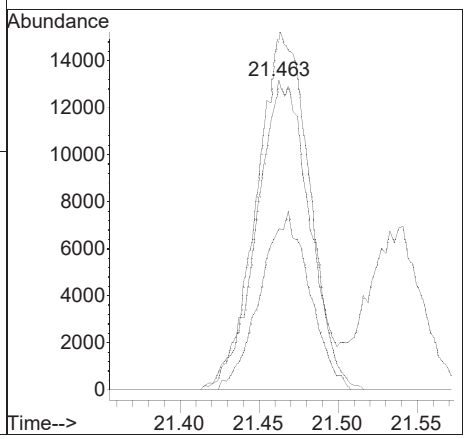


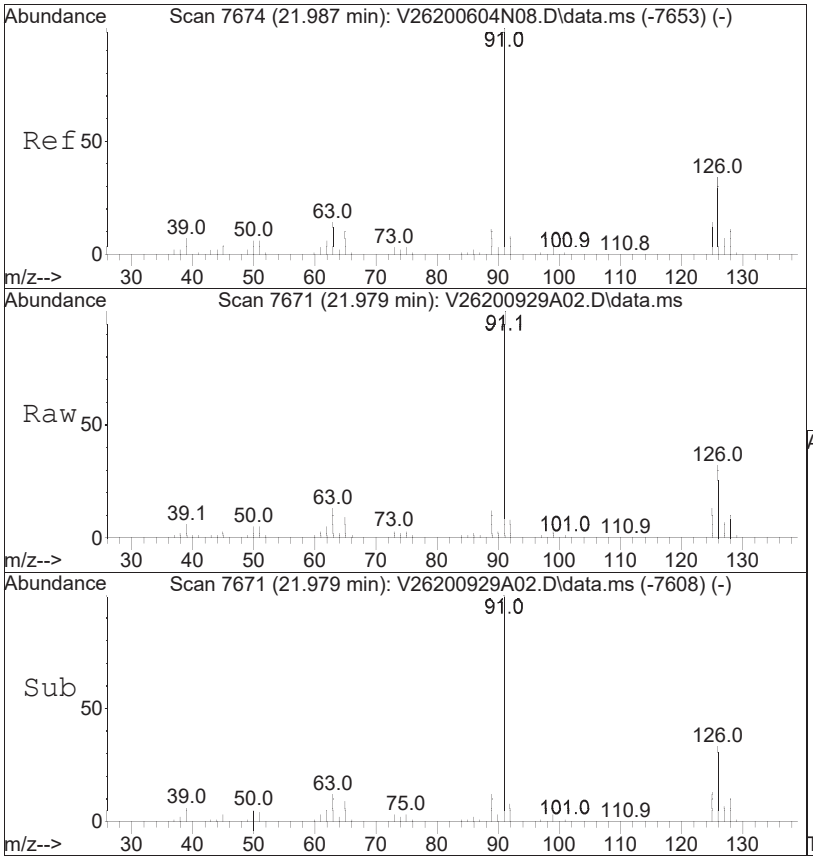


#102
trans-1,4-Dichloro-2-butene
Concen: 32.17 ug/L
RT: 21.463 min Scan# 7486
Delta R.T. -0.022 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 53 Resp: 30404

Ion	Ratio	Lower	Upper
53	100		
88	53.7	37.4	56.0
75	116.8	103.8	155.6

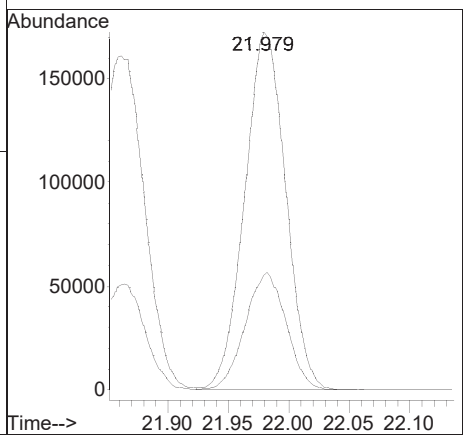


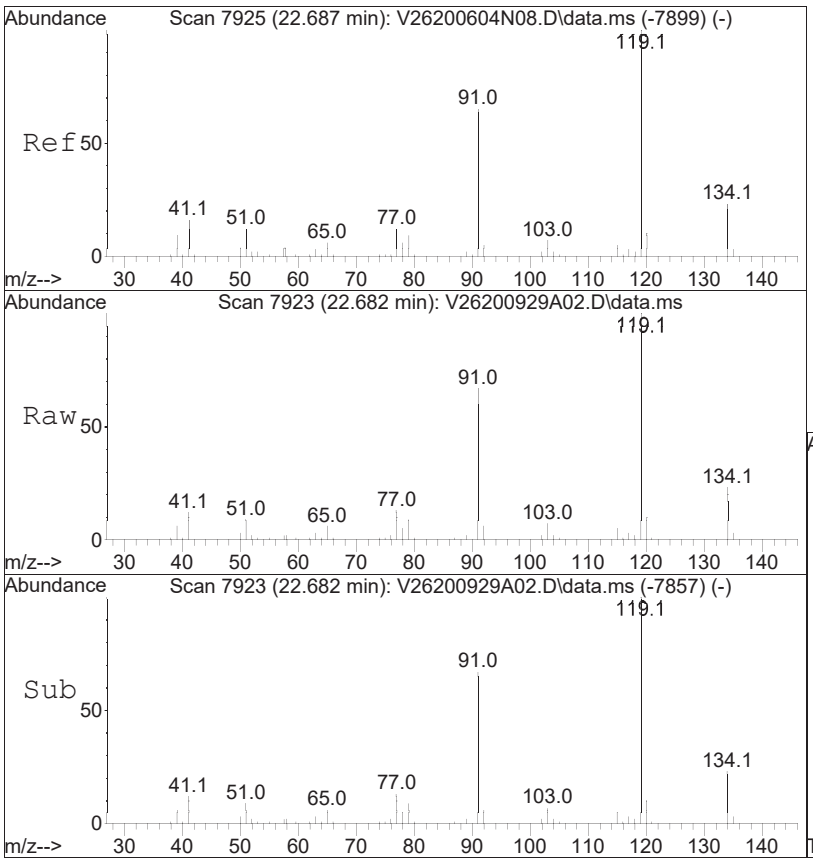


#103
4-Chlorotoluene
Concen: 37.56 ug/L
RT: 21.979 min Scan# 7671
Delta R.T. -0.025 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 91 Resp: 405558

Ion	Ratio	Lower	Upper
91	100		
126	32.8	28.4	42.6

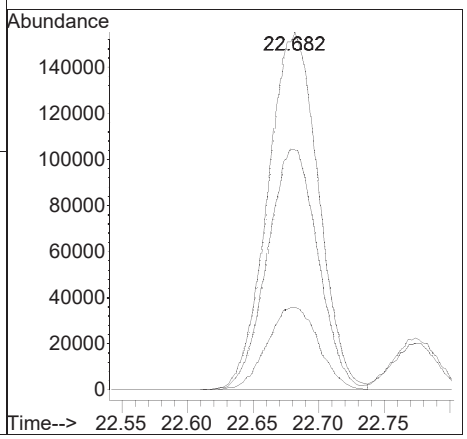


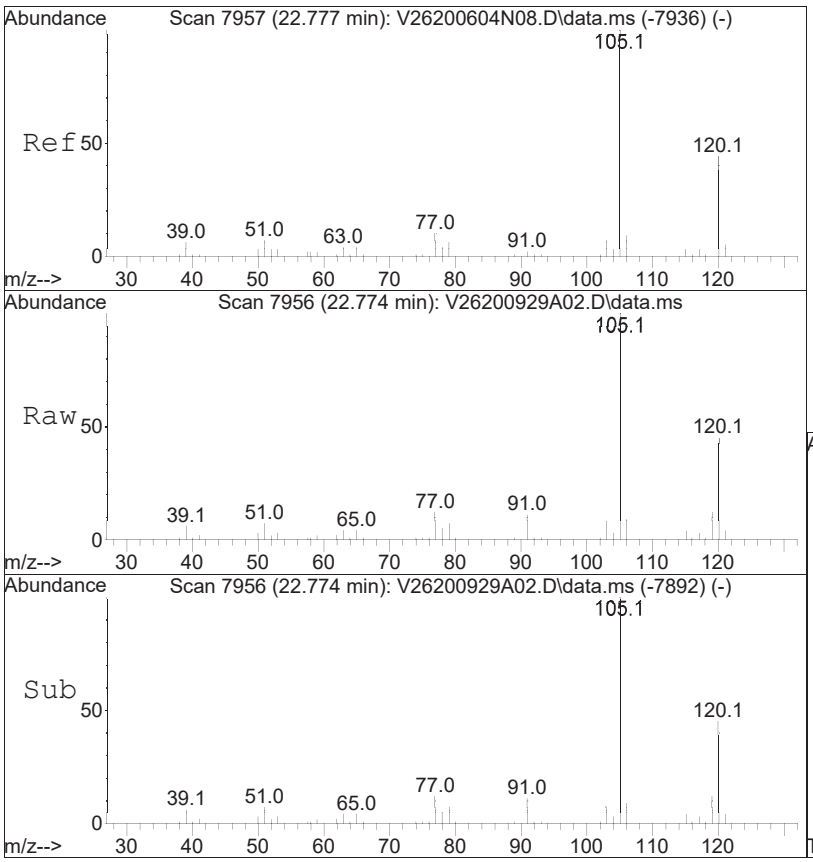


#104
tert-Butylbenzene
Concen: 39.88 ug/L
RT: 22.682 min Scan# 7923
Delta R.T. -0.017 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion:119 Resp: 413348

Ion	Ratio	Lower	Upper
119	100		
91	67.5	52.6	79.0
134	23.6	20.7	31.1

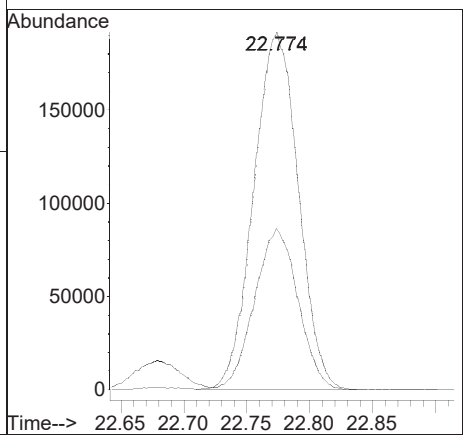


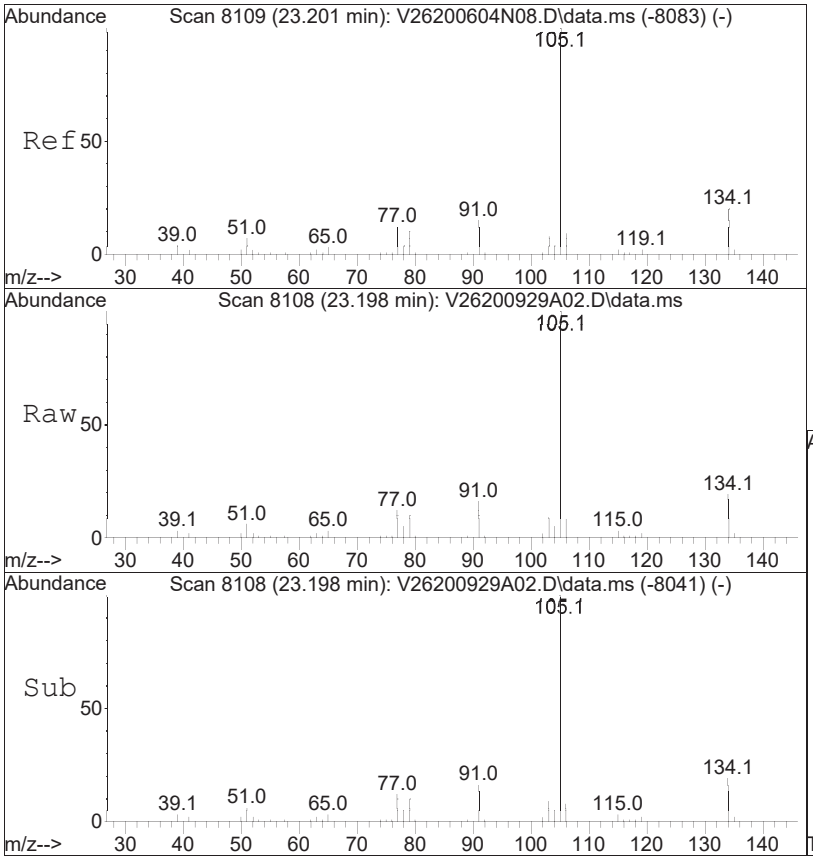


#107
1,2,4-Trimethylbenzene
Concen: 38.14 ug/L
RT: 22.774 min Scan# 7956
Delta R.T. -0.022 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion:105 Resp: 467747

Ion	Ratio	Lower	Upper
105	100		
120	44.1	38.7	58.1

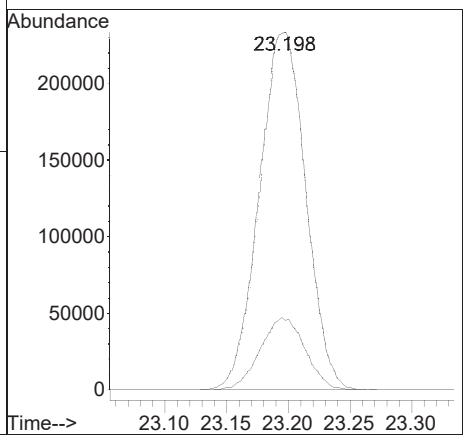


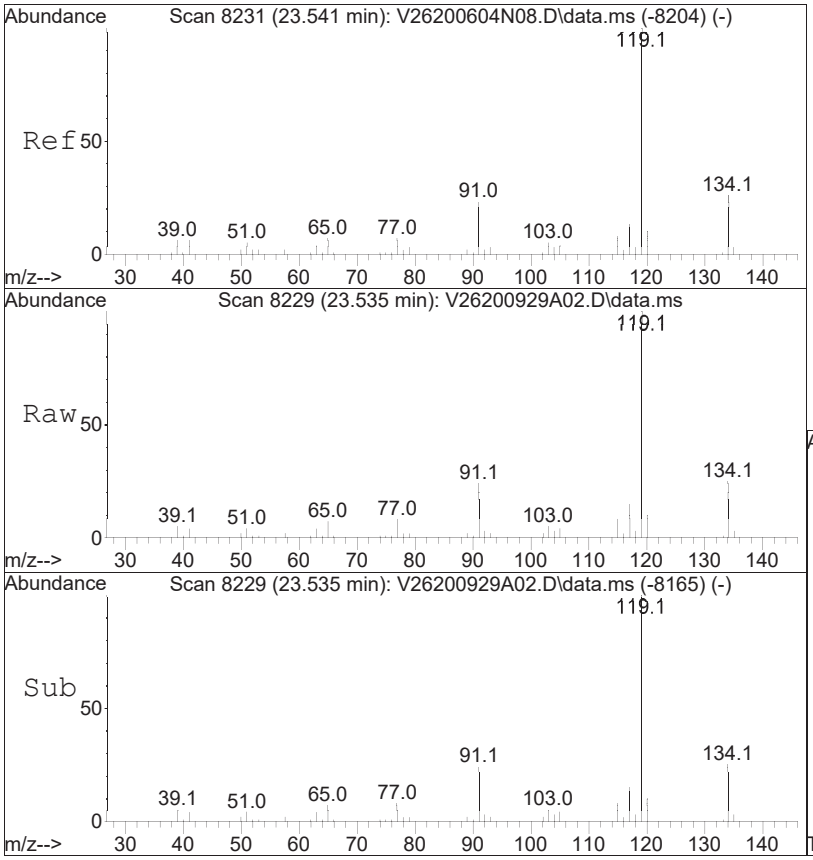


#109
sec-Butylbenzene
Concen: 38.99 ug/L
RT: 23.198 min Scan# 8108
Delta R.T. -0.014 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion:105 Resp: 606025

Ion	Ratio	Lower	Upper
105	100		
134	19.6	14.0	29.0

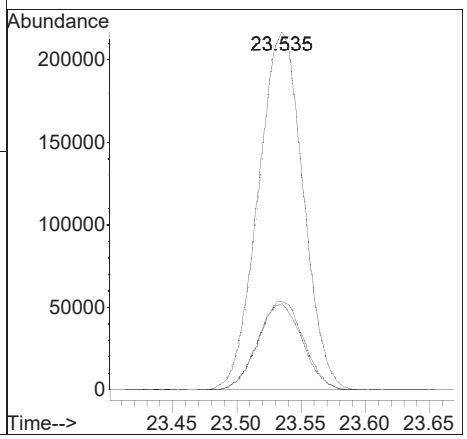


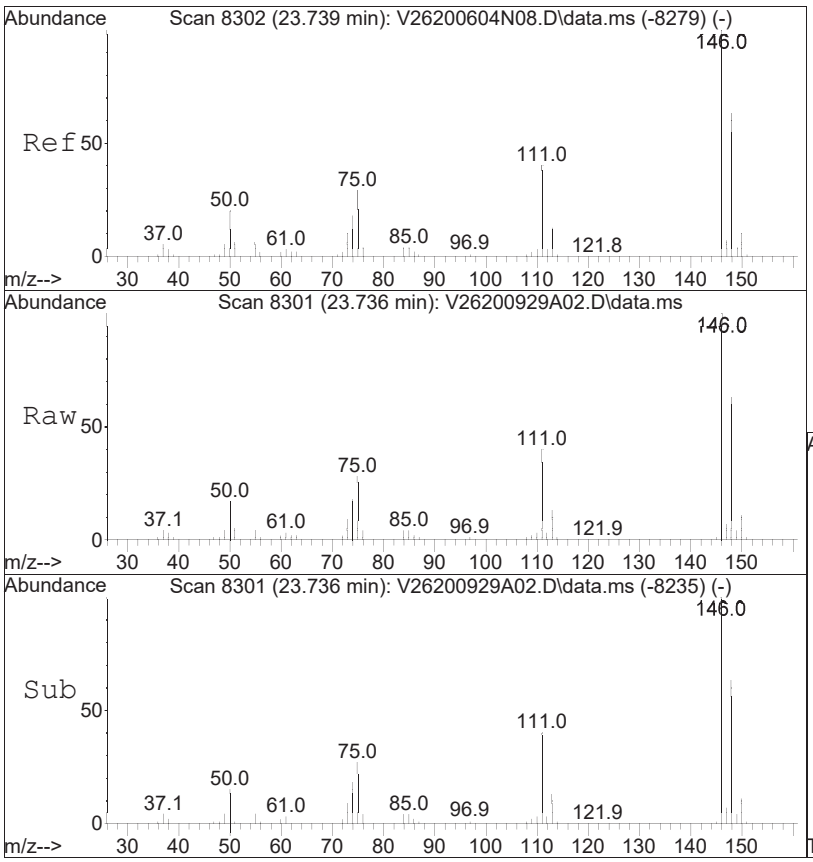


#110
p-Isopropyltoluene
Concen: 39.03 ug/L
RT: 23.535 min Scan# 8229
Delta R.T. -0.022 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion:119 Resp: 522678

Ion	Ratio	Lower	Upper
119	100		
134	25.3	18.0	37.4
91	24.0	15.3	31.9

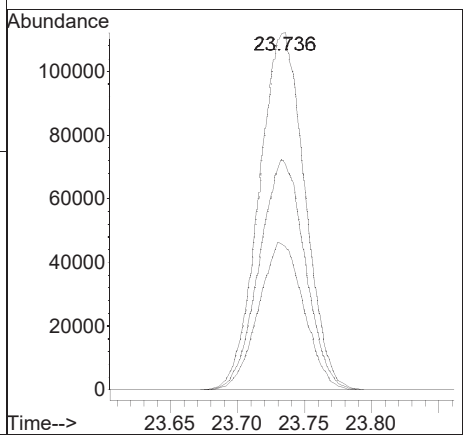


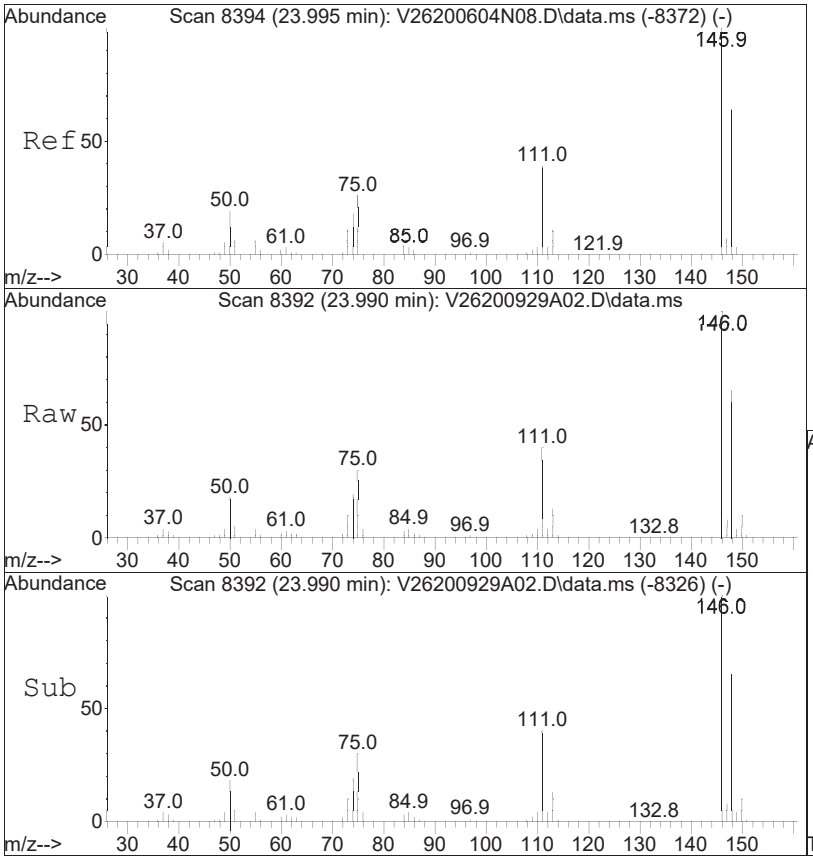


#111
1,3-Dichlorobenzene
Concen: 37.50 ug/L
RT: 23.736 min Scan# 8301
Delta R.T. -0.017 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion:146 Resp: 263830

Ion	Ratio	Lower	Upper
146	100		
111	41.0	26.4	54.8
148	64.4	41.7	86.5

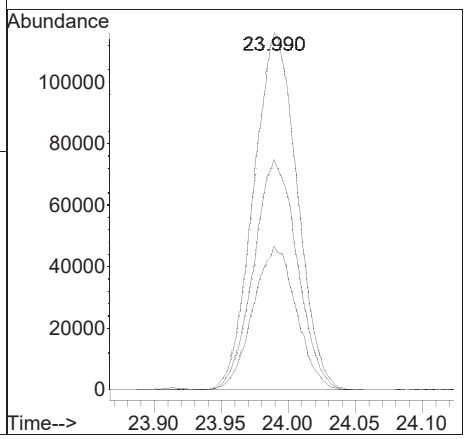


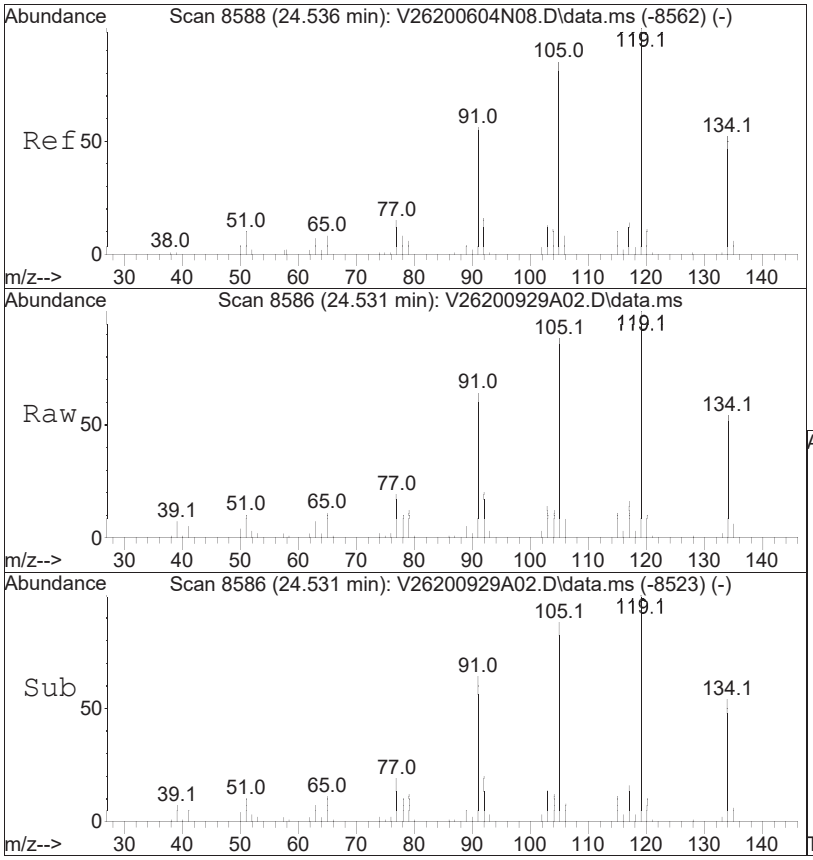


#112
1,4-Dichlorobenzene
Concen: 37.54 ug/L
RT: 23.990 min Scan# 8392
Delta R.T. -0.017 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion:146 Resp: 261031

Ion	Ratio	Lower	Upper
146	100		
111	39.9	31.2	46.8
148	64.3	51.4	77.0

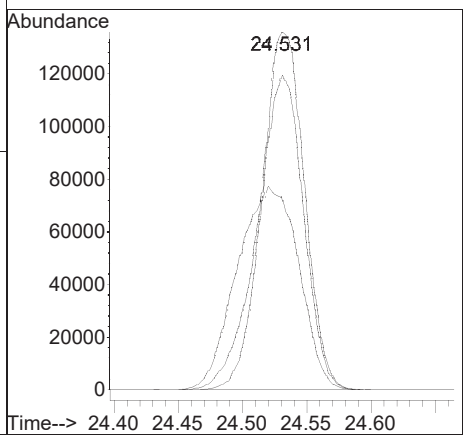


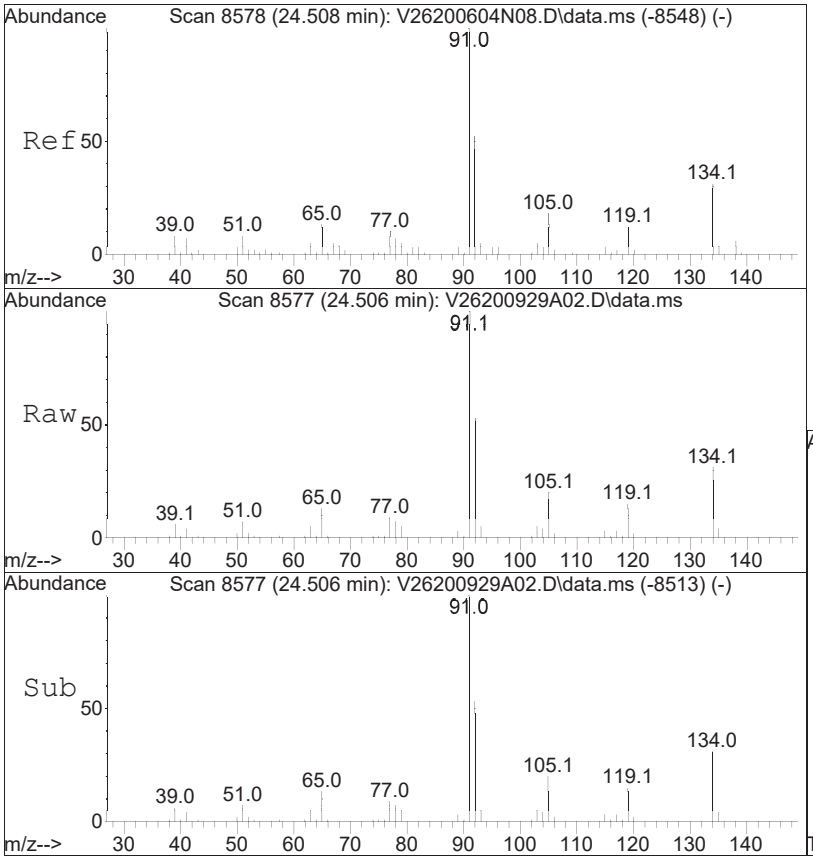


#115
p-Diethylbenzene
Concen: 38.17 ug/L
RT: 24.531 min Scan# 8586
Delta R.T. -0.025 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion:119 Resp: 312657

Ion	Ratio	Lower	Upper
119	100		
105	95.6	62.7	130.3
134	81.8	55.7	115.7

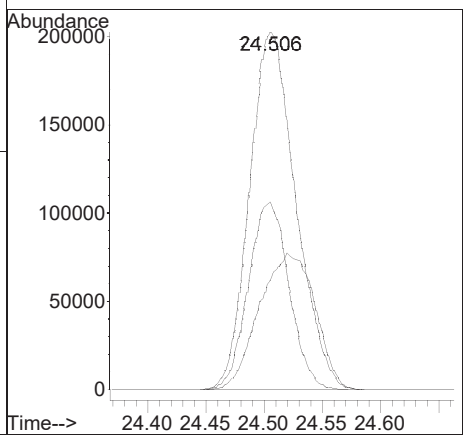


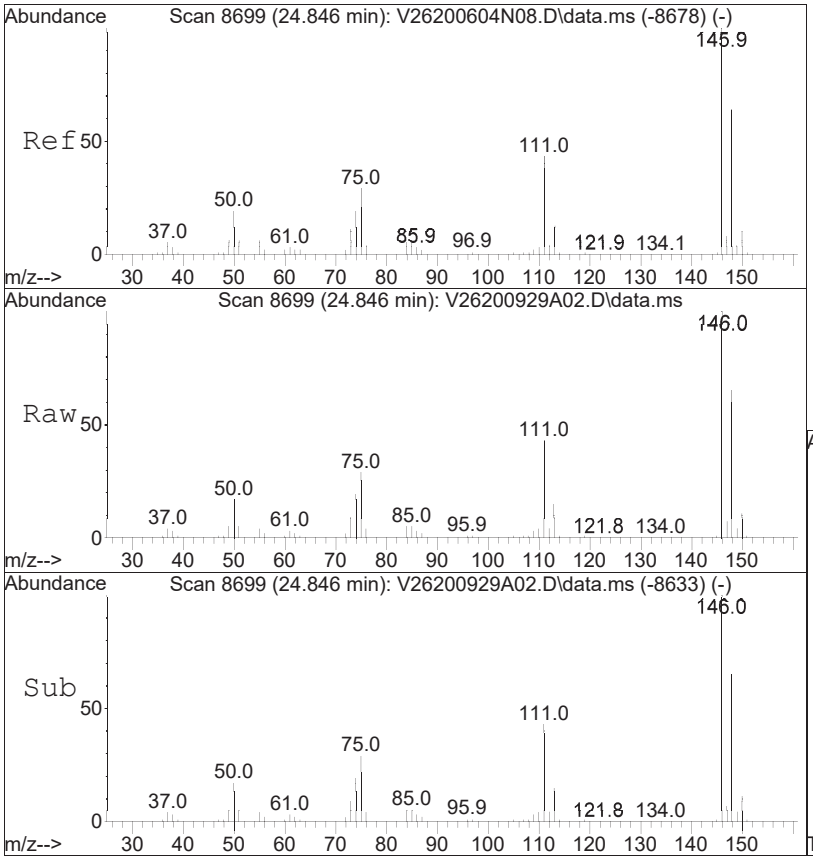


#116
n-Butylbenzene
Concen: 36.46 ug/L
RT: 24.506 min Scan# 8577
Delta R.T. -0.022 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion: 91 Resp: 555443

Ion	Ratio	Lower	Upper
91	100		
92	46.4	38.2	57.4
134	46.1	39.1	58.7

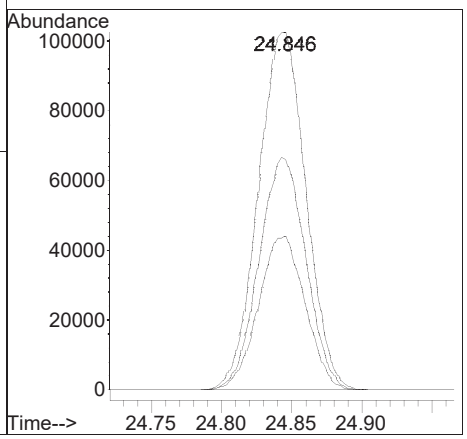


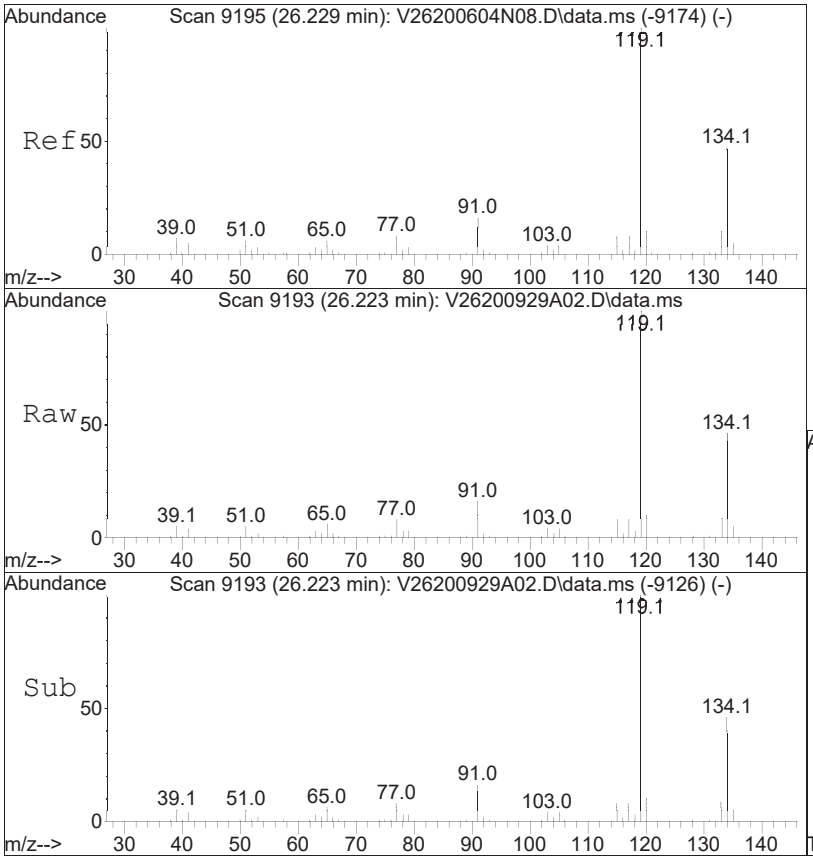


#118
1,2-Dichlorobenzene
Concen: 38.00 ug/L
RT: 24.846 min Scan# 8699
Delta R.T. -0.017 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion:146 Resp: 240107

Ion	Ratio	Lower	Upper
146	100		
111	42.4	27.3	56.7
148	64.2	41.6	86.4

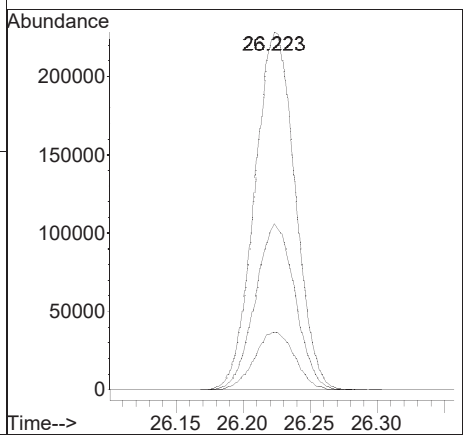


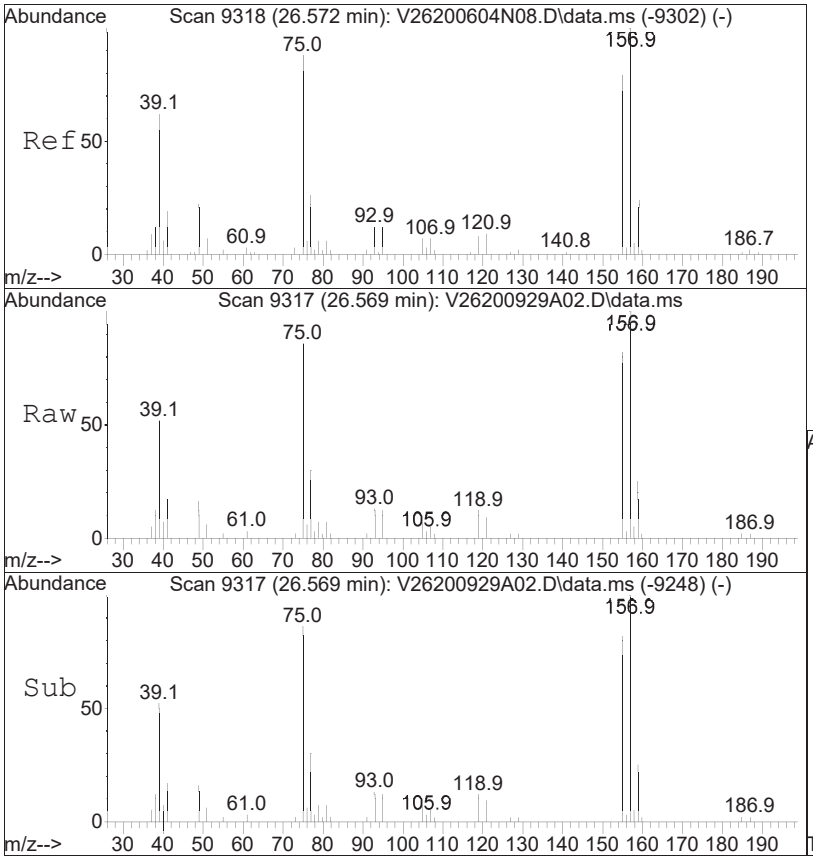


#120
1,2,4,5-Tetramethylbenzene
Concen: 38.92 ug/L
RT: 26.223 min Scan# 9193
Delta R.T. -0.014 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion:119 Resp: 475147

Ion	Ratio	Lower	Upper
119	100		
134	45.8	32.8	68.2
91	16.2	10.7	22.3

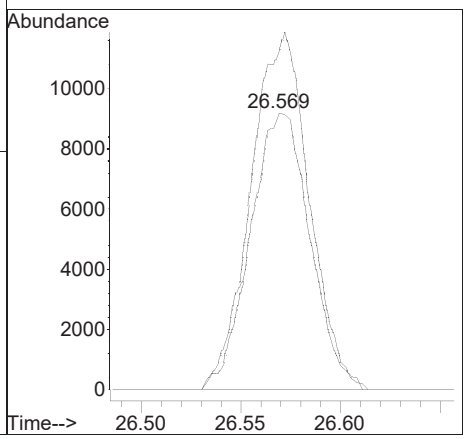


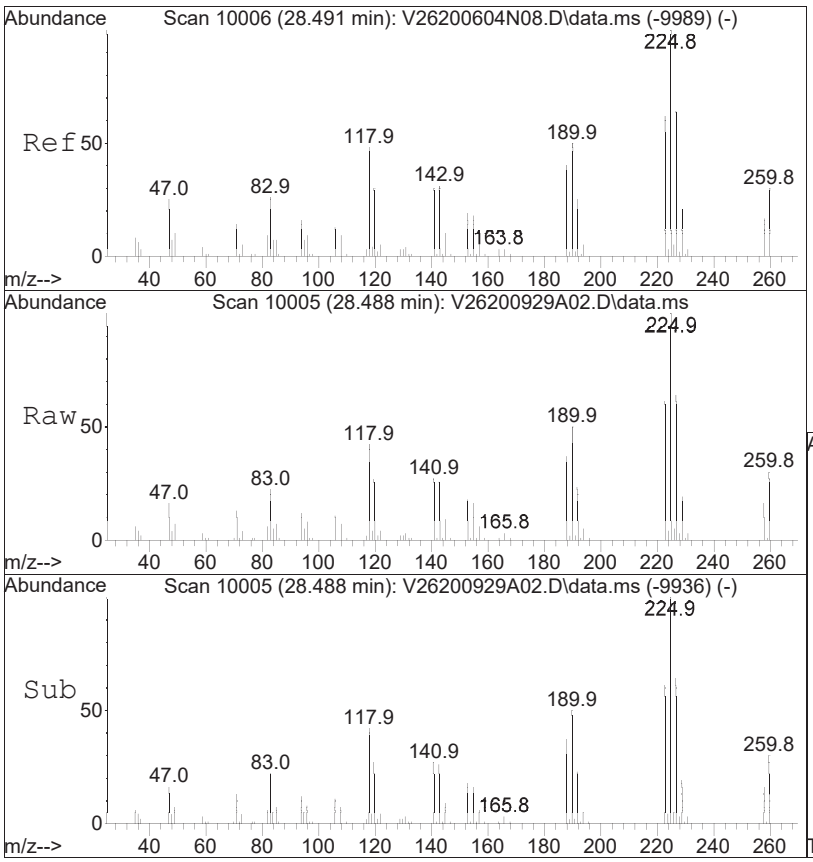


#121
1,2-Dibromo-3-chloropropane
Concen: 42.99 ug/L
RT: 26.569 min Scan# 9317
Delta R.T. -0.008 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion:155 Resp: 19076

Ion	Ratio	Lower	Upper
155	100		
157	126.1	101.7	152.5

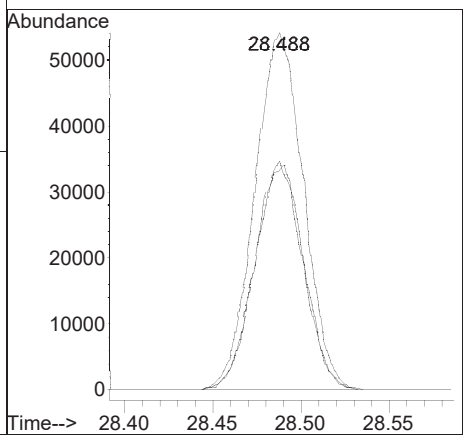


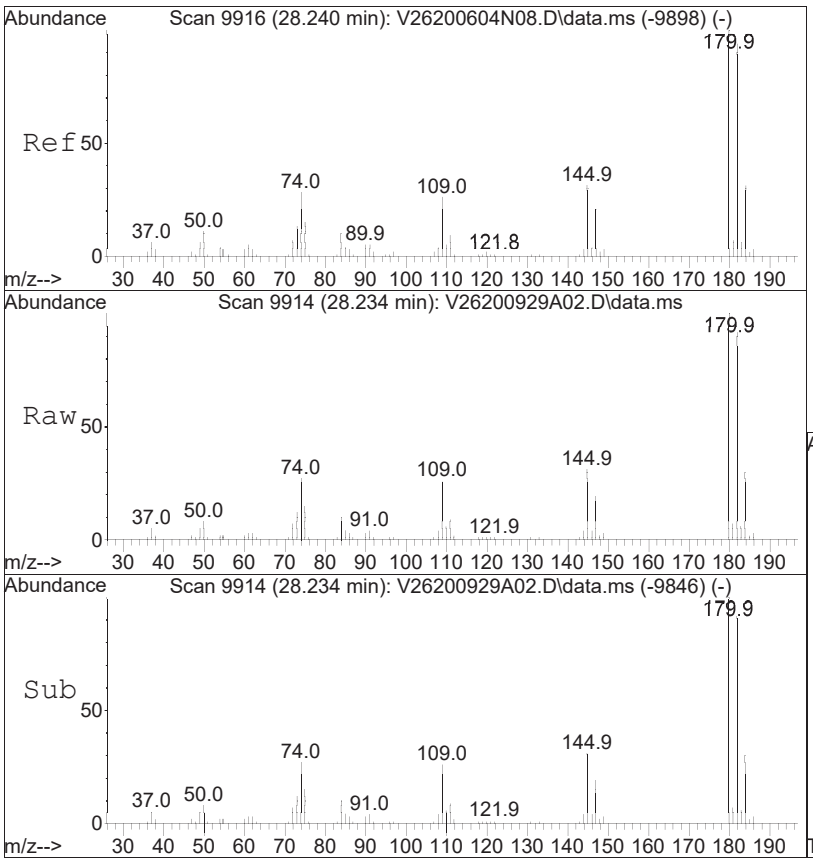


#124
Hexachlorobutadiene
Concen: 45.94 ug/L
RT: 28.488 min Scan# 10005
Delta R.T. -0.008 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion:225 Resp: 103876

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.1	75.1
227	63.7	51.5	77.3

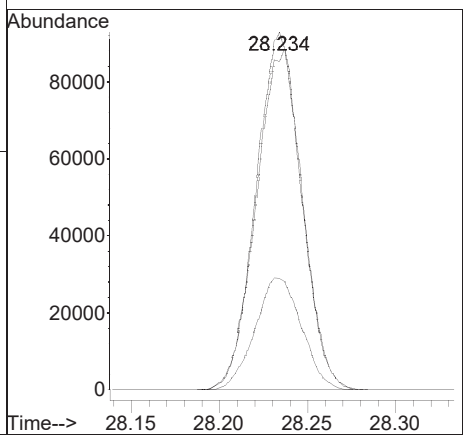


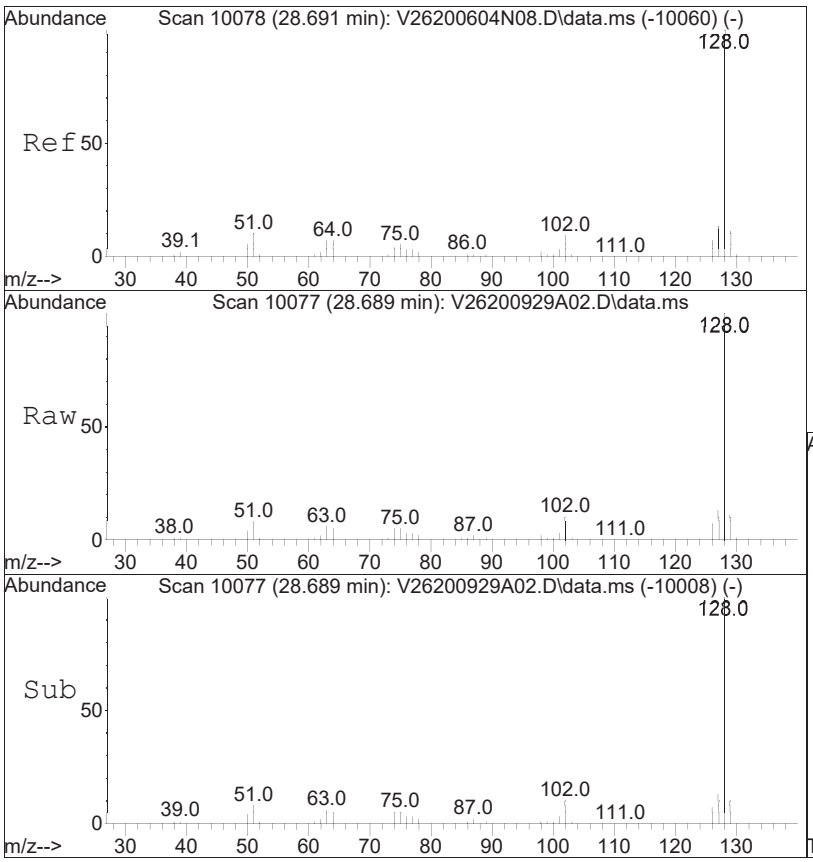


#125
1,2,4-Trichlorobenzene
Concen: 37.84 ug/L
RT: 28.234 min Scan# 9914
Delta R.T. -0.011 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion:180 Resp: 166315

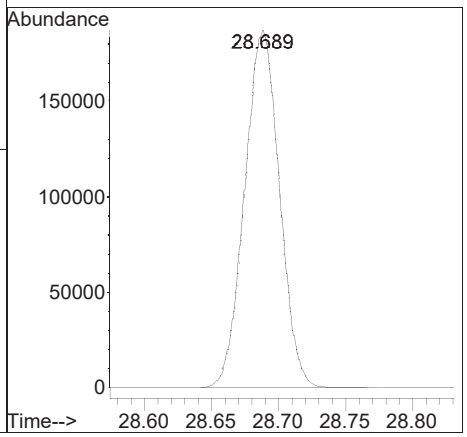
Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.8	113.8
145	32.1	25.8	38.8

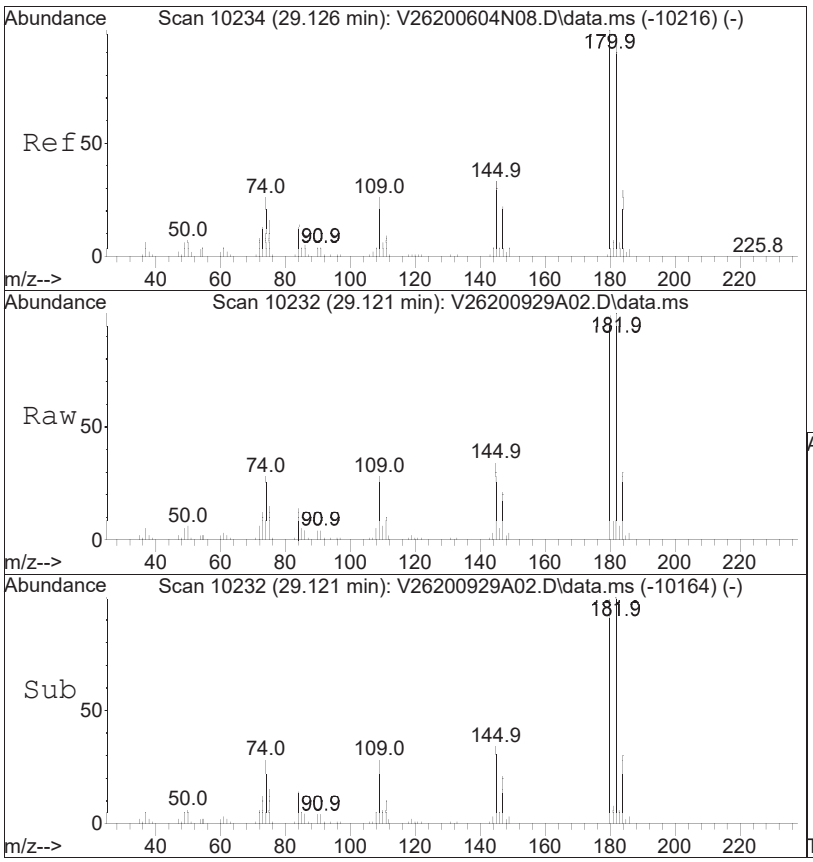




#126
Naphthalene
Concen: 37.00 ug/L
RT: 28.689 min Scan# 10077
Delta R.T. -0.008 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion:128 Resp: 334884

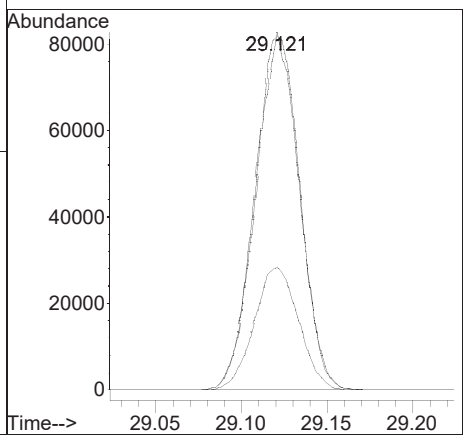




#127
1,2,3-Trichlorobenzene
Concen: 38.27 ug/L
RT: 29.121 min Scan# 10232
Delta R.T. -0.011 min
Lab File: V26200929A02.D
Acq: 29 Sep 2020 09:29

Tgt Ion:180 Resp: 149423

Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.0	114.0
145	34.0	27.5	41.3



Manual Integration Report

Data Path	: I:\VOLATILES\VOA126\2020\2Q	Method	: V126_200604N_8260Suff.m
Data File	: V26200929A02.D	Operator	: VOA126:MV
Date Inj'd	: 9/29/2020 9:29	Instrument	: VOA126
Sample	: WG1416109-4,31,5,5	Quant Date	: 9/29/2020 12:11 pm

There are no manual integrations or false positives in this file.

Calculation of Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * Uf * (1/Vo)

Where:
DF = Dilution Factor
Vo = Sample Volume Purged (mL)
Uf = ng Unit Correction Factor (mL)

Soil Concentration Formula: Amt * DF * (1/Wt)

Where:
DF = Dilution Factor
Wt = Weight of Sample (g)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Sep 30 2020, 01:10 pm

Work Group: WG1416109 for Department: 31 GC/MS - Volatiles

Created: 29-SEP-20 Due: Operator: KJD

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2040316-01	WC-5 (GRAB)	S	NYTCL-8260HLW	SOIL	DONE	U	1008	1001	S0	8260SET
L2040316-02	WC-6 (GRAB)	S	NYTCL-8260HLW	SOIL	DONE	U	1008	1001	S0	8260SET
L2040317-01	SB-23 (4.5-5.0)	S	NYTCL-8260HLW	SOIL	DONE	U	1008	1001	S0	8260SET
L2040317-02	SB-23 (7.5-8.0)	S	NYTCL-8260HLW	SOIL	DONE	U	1008	1001	S0	8260SET
L2040317-03	SB-23 (11.5-12.0)	S	NYTCL-8260HLW	SOIL	DONE	U	1008	1001	S0	8260SET
L2040317-04	SB-24 (3-3.5)	S	NYTCL-8260HLW	SOIL	DONE	U	1008	1001	S0	8260SET
L2040317-05	SB-24 (6-6.5)	S	NYTCL-8260HLW	SOIL	DONE	U	1008	1001	S0	8260SET
L2040317-06	SB-24 (14-14.5)	S	NYTCL-8260HLW	SOIL	DONE	U	1008	1001	S0	8260SET
L2040317-08	SB-25 (6.5-7.0)	S	NYTCL-8260HLW	SOIL	DONE	U	1008	1001	S0	8260SET
WG1416109-1	MS BFB Tune Standard	S	NYTCL-8260HLW	SOIL	DONE	U				
WG1416109-2	Continuing Calibrati	S	NYTCL-8260HLW	SOIL	DONE	U				
WG1416109-3	Laboratory Control S	S	NYTCL-8260HLW	SOIL	DONE	U				
WG1416109-4	LCS Duplicate	S	NYTCL-8260HLW	SOIL	DONE	U				
WG1416109-5	Laboratory Method Bl	S	NYTCL-8260HLW	SOIL	DONE	U				

Comments:

WG1416109-4 WG1416109-3

Method

Inst: VOA126 BFB: v7842 GC: 8260

Initials: MKS IS/SS: v7858 Autosampler: 8260_SOIL

Date: **06/04/20** ICAL: v7906,v7824,v7902b Concentrator: 8260

Run: **N** ICV: v7855,v7897,v7822,v7903,v7884,v7872,v7847 QC:_____ Seq:_____

Vial	Data File	Sample
1	V26200604Nbfb	BFB TUNE
1	V26200604N01	blank
2	V26200604N02	blank
3	V26200604N03	i8260stdl.5ppb
4	V26200604N04	i8260stdl1ppb
5	V26200604N05	i8260stdl2ppb
6	V26200604N06	i8260stdl4ppb
7	V26200604N07	i8260stdl20ppb
8	V26200604N08	i8260stdl40ppb
9	V26200604N09	i8260stdl100ppb
10	V26200604N10	i8260stdl200ppb
11	V26200604N11	i8260stdl300ppb
12	V26200604N12	blank
13	V26200604N13	blank
14	V26200604N14	blank
15	V26200604N15	c8260stdl40ppb
16	V26200604N16	c8260stdl40ppb
17	V26200604N17	blank

RUSH	HT	PRI

Method

Inst: VOA126 BFB: v7999 GC: #

Initials: MJV IS/SS: V8019 Autosampler: 8260_SOIL

Date: **09/29/20** CCAL: V8016, V8014A Concentrator: #

Run: **A** QC:_____ Seq:_____

Vial	Data File	Sample	
1	V26200929BF2	BFB TUNE	
1	V26200929A01	8260 CCAL B	
2	V26200929A02	8260 CCAL B	
3	V26200929A03	8260 CCAL B	
4	V26200929A04	BLNK	
5	V26200929A05	METHO0D BLNK	
6	V26200929A06	I2040316-01,31,5.30,5,,y	NYHLW SEISI/15
7	V26200929A07	I2040316-02,31,5.26,5,,y	NYHLW SEISI/15
8	V26200929A08	I2040317-01,31,4.91,5,,y	NYHLW SEISI/15
9	V26200929A09	I2040317-02,31,4.66,5,,y	NYHLW SEISI/15
10	V26200929A10	I2040317-03,31,5.30,5,,y	NYHLW SEISI/15
11	V26200929A11	I2040317-04,31,4.76,5,,y	NYHLW SEISI/15
12	V26200929A12	I2040317-05,31,5.25,5,,y	NYHLW SEISI/15
13	V26200929A13	I2040317-06,31,6.10,5,,y	NYHLW SEISI/15
14	V26200929A14	I2040317-07,31,4.74,5,,y	NYHLW SEISI/15
15	V26200929A15	I2040317-08,31,5.65,5,,y	NYHLW SEISI/15
16	V26200929A16	I2040104-03R,31,5.16,5,,c	NYHLW
17	V26200929A17	I2040104-05R,31,4.71,5,,c	NYHLW
18	V26200929A18	I2040104-04R,31,6.82,5,,c	NYHLW ACE CONF
19	V26200929A19	STD	

Semivolatiles Data- Method 8270D

Semivolatiles QC Summary

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Soils Engineering Services, Inc.
Project Name: CONEY ISLAND

Lab Number: L2040316
Project Number: 11404
Matrix: Soil

CLIENT ID (LAB SAMPLE NO.)	S1 (2FP)	S2 (PHL)	S3 (NBZ)	S4 (FBP)	S5 (TBP)	S6 (TPH)	TOT OUT
WC-5 (L2040316-03)	80	79	75	69	83	62	0
WC-6 (L2040316-04D)	52	57	56	49	60	49	0
WG1415071-1BLANK	68	71	65	66	76	74	0
WG1415071-2LCS	79	79	74	73	81	77	0
WG1415071-3LCSD	82	82	77	75	85	79	0

QC LIMITS

(25-120) 2FP = 2-FLUOROPHENOL
(10-120) PHL = PHENOL-D6
(23-120) NBZ = NITROBENZENE-D5
(30-120) FBP = 2-FLUOROBIPHENYL
(10-136) TBP = 2,4,6-TRIBROMOPHENOL
(18-120) TPH = 4-TERPHENYL-D14

*** Values outside of QC limits**

FORM II NYTCL-8270

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2040316
Project Name	: CONEY ISLAND	**Project Number**	: 11404
Matrix	: SOIL		
LCS Sample ID	: WG1415071-2	**Analysis Date** : 09/28/20 10:13	**File ID** : 415071-2
LCSD Sample ID	: WG1415071-3	**Analysis Date** : 09/28/20 10:37	**File ID** : 415071-3

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
Acenaphthene	1300	990	75	1300	1000	76	1	31-137	50
1,2,4-Trichlorobenzene	1300	910	69	1300	950	72	4	38-107	50
Hexachlorobenzene	1300	980	74	1300	980	74	0	40-140	50
Bis(2-chloroethyl)ether	1300	950	71	1300	980	74	4	40-140	50
2-Chloronaphthalene	1300	980	74	1300	1000	76	3	40-140	50
1,2-Dichlorobenzene	1300	900	67	1300	930	70	4	40-140	50
1,3-Dichlorobenzene	1300	870	66	1300	890	67	2	40-140	50
1,4-Dichlorobenzene	1300	880	66	1300	900	68	3	28-104	50
3,3'-Dichlorobenzidine	1300	990	74	1300	980	74	0	40-140	50
2,4-Dinitrotoluene	1300	1200	89	1300	1200	90	1	40-132	50
2,6-Dinitrotoluene	1300	1200	89	1300	1200	92	3	40-140	50
Fluoranthene	1300	1000	78	1300	1100	80	3	40-140	50
4-Chlorophenyl phenyl ether	1300	960	72	1300	980	74	3	40-140	50
4-Bromophenyl phenyl ether	1300	990	74	1300	1000	78	5	40-140	50
Bis(2-chloroisopropyl)ether	1300	1000	77	1300	1000	80	4	40-140	50
Bis(2-chloroethoxy)methane	1300	1000	75	1300	1000	80	6	40-117	50
Hexachlorobutadiene	1300	860	65	1300	860	65	0	40-140	50
Hexachlorocyclopentadiene	1300	820	62	1300	860	65	5	40-140	50
Hexachloroethane	1300	910	69	1300	960	73	6	40-140	50
Isophorone	1300	1000	79	1300	1100	84	6	40-140	50
Naphthalene	1300	960	72	1300	960	73	1	40-140	50
Nitrobenzene	1300	1000	75	1300	1000	78	4	40-140	50
NDPA/DPA	1300	1100	80	1300	1100	81	1	36-157	50
n-Nitrosodi-n-propylamine	1300	1000	79	1300	1100	83	5	32-121	50
Bis(2-ethylhexyl)phthalate	1300	1300	98	1300	1400	104	6	40-140	50
Butyl benzyl phthalate	1300	1200	92	1300	1200	95	3	40-140	50

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2040316
Project Name	: CONEY ISLAND	**Project Number**	: 11404
Matrix	: SOIL		
LCS Sample ID	: WG1415071-2	**Analysis Date** : 09/28/20 10:13	**File ID** : 415071-2
LCSD Sample ID	: WG1415071-3	**Analysis Date** : 09/28/20 10:37	**File ID** : 415071-3

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
Di-n-butylphthalate	1300	1300	100	1300	1400	103	3	40-140	50
Di-n-octylphthalate	1300	1300	99	1300	1400	104	5	40-140	50
Diethyl phthalate	1300	1100	86	1300	1200	88	2	40-140	50
Dimethyl phthalate	1300	1100	80	1300	1100	84	5	40-140	50
Benzo(a)anthracene	1300	1000	75	1300	1000	78	4	40-140	50
Benzo(a)pyrene	1300	1100	83	1300	1100	83	0	40-140	50
Benzo(b)fluoranthene	1300	1000	78	1300	1000	78	0	40-140	50
Benzo(k)fluoranthene	1300	1000	78	1300	1000	80	3	40-140	50
Chrysene	1300	980	74	1300	990	75	1	40-140	50
Acenaphthylene	1300	1000	79	1300	1100	81	3	40-140	50
Anthracene	1300	1000	78	1300	1000	79	1	40-140	50
Benzo(ghi)perylene	1300	1000	78	1300	1000	78	0	40-140	50
Fluorene	1300	1000	75	1300	1000	77	3	40-140	50
Phenanthrene	1300	1000	75	1300	1000	76	1	40-140	50
Dibenzo(a,h)anthracene	1300	1000	78	1300	1000	78	0	40-140	50
Indeno(1,2,3-cd)pyrene	1300	1100	83	1300	1100	82	1	40-140	50
Pyrene	1300	1000	76	1300	1000	78	3	35-142	50
Biphenyl	1300	1100	82	1300	1100	84	2	37-127	50
4-Chloroaniline	1300	960	72	1300	930	70	3	40-140	50
2-Nitroaniline	1300	1300	95	1300	1300	98	3	47-134	50
3-Nitroaniline	1300	1100	84	1300	1100	81	4	26-129	50
4-Nitroaniline	1300	1200	92	1300	1200	91	1	41-125	50
Dibenzofuran	1300	970	73	1300	990	75	3	40-140	50
2-Methylnaphthalene	1300	990	74	1300	1000	76	3	40-140	50
1,2,4,5-Tetrachlorobenzene	1300	1000	77	1300	1100	80	4	40-117	50
Acetophenone	1300	1100	86	1300	1200	90	5	14-144	50

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2040316
Project Name	: CONEY ISLAND	**Project Number**	: 11404
Matrix	: SOIL		
LCS Sample ID	: WG1415071-2	**Analysis Date** : 09/28/20 10:13	**File ID** : 415071-2
LCSD Sample ID	: WG1415071-3	**Analysis Date** : 09/28/20 10:37	**File ID** : 415071-3

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
2,4,6-Trichlorophenol	1300	1100	80	1300	1100	82	2	30-130	50
p-Chloro-m-cresol	1300	1100	81	1300	1100	84	4	26-103	50
2-Chlorophenol	1300	1000	78	1300	1100	80	3	25-102	50
2,4-Dichlorophenol	1300	1100	80	1300	1100	85	6	30-130	50
2,4-Dimethylphenol	1300	1000	78	1300	1100	82	5	30-130	50
2-Nitrophenol	1300	1200	86	1300	1200	90	5	30-130	50
4-Nitrophenol	1300	1200	90	1300	1200	92	2	11-114	50
2,4-Dinitrophenol	1300	990	74	1300	900	68	8	4-130	50
4,6-Dinitro-o-cresol	1300	1100	81	1300	1000	79	3	10-130	50
Pentachlorophenol	1300	990	74	1300	990	75	1	17-109	50
Phenol	1300	920	69	1300	960	73	6	26-90	50
2-Methylphenol	1300	1000	77	1300	1100	80	4	30-130.	50
3-Methylphenol/4-Methylphenol	1300	1000	78	1300	1100	82	5	30-130	50
2,4,5-Trichlorophenol	1300	1000	80	1300	1100	81	1	30-130	50
Benzoic Acid	1300	1000	78	1300	700	53	38	10-110	50
Benzyl Alcohol	1300	1100	80	1300	1100	84	5	40-140	50
Carbazole	1300	1100	82	1300	1100	83	1	54-128	50
1,4-Dioxane	1300	660	49	1300	680	51	4	40-140	50

Method Blank Summary
Form 4
Semivolatiles

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2040316
Project Name	: CONEY ISLAND	**Project Number**	: 11404
Lab Sample ID	: WG1415071-1	**Lab File ID**	: 415071-1
Instrument ID	: SV109	**Extraction Date**	: 09/27/20
Matrix	: SOIL	**Analysis Date**	: 09/28/20 09:49
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG1415071-2LCS	WG1415071-2	09/28/20 10:13
WG1415071-3LCSD	WG1415071-3	09/28/20 10:37
WC-5	L2040316-03	09/28/20 16:35
WC-6	L2040316-04D	09/28/20 17:01

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2040316
Project Name	: CONEY ISLAND	**Project Number**	: 11404
Instrument ID	: SV109	**Analysis Date**	: 09/11/20 16:12
Tune Standard	: R1349500-1	**Tune File ID**	: Tune1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	39.1
68	Less than 2.0% of mass 69	0.6 (1.7)1
69		100
70	Less than 2.0% of mass 69	0.2 (.6)1
127	10.0 - 80.0% of Base Peak	51.5
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.5
275	10.0 - 60.0% of Base Peak	25.4
365	Greater than 1.0% of mass 198	3
441	Present, but less than 24% of mass 442	16.5
442	Base Peak, or >50% of mass 198	71.3
443	15.0 - 24.0% of mass 442	14.3 (20.1)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ABNL10	R1349500-8	ABNL10	09/11/20 16:36
ABNL9	R1349500-18	ABNL9	09/11/20 17:00
ABNL8	R1349500-15	ABNL8	09/11/20 17:25
ABNL7	R1349500-13	ABNL7	09/11/20 17:49
ABNL6	R1349500-14	ABNL6	09/11/20 18:13
ABNL5	R1349500-11	ABNL5	09/11/20 18:37
ABNL4	R1349500-12	ABNL4	09/11/20 19:01
ABNL3	R1349500-10	ABNL3	09/11/20 19:25
ABNL2	R1349500-9	ABNL2	09/11/20 19:50
ABNL1	R1349500-7	ABNL1	09/11/20 20:14
AP9L10	R1349500-29	AP9L10	09/11/20 20:38
AP9L9	R1349500-34	AP9L9	09/11/20 21:02
AP9L8	R1349500-36	AP9L8	09/11/20 21:26
AP9L7	R1349500-35	AP9L7	09/11/20 21:51
AP9L6	R1349500-30	AP9L6	09/11/20 22:15
AP9L5	R1349500-31	AP9L5	09/11/20 22:39
AP9L4	R1349500-32	AP9L4	09/11/20 23:03
AP9L3	R1349500-33	AP9L3	09/11/20 23:28
AP9L2	R1349500-28	AP9L2	09/11/20 23:52
AP9L1	R1349500-27	AP9L1	09/12/20 00:16
ABN ICV Quant Report	R1349500-5	ABNICV	09/12/20 00:40

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2040316
Project Name	: CONEY ISLAND	**Project Number**	: 11404
Instrument ID	: SV109	**Analysis Date**	: 09/12/20 01:29
Tune Standard	: R1349500-2	**Tune File ID**	: Tune2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	42.6
68	Less than 2.0% of mass 69	0.7 (1.8)1
69		100
70	Less than 2.0% of mass 69	0.1 (.3)1
127	10.0 - 80.0% of Base Peak	53
197	Less than 2.0% of mass 198	0.2
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7
275	10.0 - 60.0% of Base Peak	25
365	Greater than 1.0% of mass 198	2.9
441	Present, but less than 24% of mass 442	16.6
442	Base Peak, or >50% of mass 198	63.7
443	15.0 - 24.0% of mass 442	12.4 (19.5)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ADPL10	R1349500-20	ADPL10	09/12/20 01:53
ADPL9	R1349500-26	ADPL9	09/12/20 02:18
ADPL8	R1349500-25	ADPL8	09/12/20 02:43
ADPL7	R1349500-24	ADPL7	09/12/20 03:07
ADPL6	R1349500-23	ADPL6	09/12/20 03:32
ADPL5	R1349500-22	ADPL5	09/12/20 03:57
ADPL4	R1349500-21	ADPL4	09/12/20 04:22
ADPL3	R1349500-19	ADPL3	09/12/20 04:46
ADPL2	R1349500-17	ADPL2	09/12/20 05:11

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2040316
Project Name	: CONEY ISLAND	**Project Number**	: 11404
Instrument ID	: SV109	**Analysis Date**	: 09/14/20 08:40
Tune Standard	: R1349500-3	**Tune File ID**	: Tune3_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	41.5
68	Less than 2.0% of mass 69	0.8 (2)1
69		100
70	Less than 2.0% of mass 69	0.2 (.6)1
127	10.0 - 80.0% of Base Peak	51.8
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.9
275	10.0 - 60.0% of Base Peak	25
365	Greater than 1.0% of mass 198	3.3
441	Present, but less than 24% of mass 442	15.5
442	Base Peak, or >50% of mass 198	65.9
443	15.0 - 24.0% of mass 442	12.9 (19.6)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ADPL1a	R1349500-16	ADPL1A	09/14/20 09:04
ADP ICV Quant Report	R1349500-4	1,4ICV	09/14/20 09:52
AP9 ICV Quant Report	R1349500-6	AP9ICVA	09/14/20 10:16

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2040316
Project Name	: CONEY ISLAND	**Project Number**	: 11404
Instrument ID	: SV109	**Analysis Date**	: 09/28/20 06:59
Tune Standard	: WG1415319-1	**Tune File ID**	: Deg0928_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	40
68	Less than 2.0% of mass 69	0.7 (1.7)1
69		100
70	Less than 2.0% of mass 69	0.2 (.4)1
127	10.0 - 80.0% of Base Peak	53.9
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.9
275	10.0 - 60.0% of Base Peak	25.1
365	Greater than 1.0% of mass 198	2.9
441	Present, but less than 24% of mass 442	16.3
442	Base Peak, or >50% of mass 198	72.1
443	15.0 - 24.0% of mass 442	14.1 (19.6)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1415319-3CCAL	WG1415319-3	ABN0928	09/28/20 07:23
WG1415319-4CCAL	WG1415319-4	AP90928	09/28/20 07:47
WG1415319-5CCAL	WG1415319-5	ADP0928	09/28/20 08:11
WG1415071-1BLANK	WG1415071-1	415071-1	09/28/20 09:49
WG1415071-2LCS	WG1415071-2	415071-2	09/28/20 10:13
WG1415071-3LCSD	WG1415071-3	415071-3	09/28/20 10:37
WC-5	L2040316-03	40316-03	09/28/20 16:35
WC-6	L2040316-04D	316-04D1	09/28/20 17:01

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2040316
Project Name	: CONEY ISLAND	**Project Number**	: 11404
Instrument ID	: SV109	**Analysis Date**	: 09/28/20 07:23
Sample No	: WG1415319-3	**Lab File ID**	: ABN0928

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG1415319-3	115335	4.48	495156	5.72	271698	7.42
Upper Limit	230670	4.98	990312	6.22	543396	7.92
Lower Limit	57668	3.98	247578	5.22	135849	6.92
Sample ID						
WG1415319-4 CCAL	121282	4.48	514931	5.72	286952	7.42
WG1415319-5 CCAL	112877	4.48	-	-	255350	7.42
WG1415071-1 BLANK	97085	4.47	408045	5.72	225653	7.42
WG1415071-2 LCS	104315	4.48	430864	5.72	235493	7.42
WG1415071-3 LCSD	104523	4.48	447811	5.72	249114	7.42
WC-5	115978	4.48	484157	5.72	259652	7.42
WC-6	114102	4.48	481562	5.72	265904	7.42

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2040316
Project Name	: CONEY ISLAND	**Project Number**	: 11404
Instrument ID	: SV109	**Analysis Date**	: 09/28/20 07:23
Sample No	: WG1415319-3	**Lab File ID**	: ABN0928

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG1415319-3	526664	8.85	490009	11.60	512914	13.64
Upper Limit	1053328	9.35	980018	12.10	1025828	14.14
Lower Limit	263332	8.35	245005	11.10	256457	13.14
Sample ID						
WG1415319-4 CCAL	557799	8.85	-	-	-	-
WG1415319-5 CCAL	498171	8.85	-	-	-	-
WG1415071-1 BLANK	453062	8.85	422926	11.60	444126	13.64
WG1415071-2 LCS	455022	8.85	425842	11.60	432918	13.64
WG1415071-3 LCSD	484590	8.85	439792	11.61	440635	13.64
WC-5	494556	8.85	445428	11.61	466979	13.65
WC-6	515717	8.85	451776	11.61	472735	13.65

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

ABN Extractables - EPA 8270D (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 1000ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Acenaphthene	83-32-9	2	1.06	ug/l	37-111	30	37-111	30	30			
Benzidine	92-87-5	20	8.14	ug/l	10-75	30	10-75	30	30			
1,2,4-Trichlorobenzene	120-82-1	5	0.581	ug/l	39-98	30	39-98	30	30			
Hexachlorobenzene	118-74-1	2	0.69	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroethyl)ether	111-44-4	2	0.884	ug/l	40-140	30	40-140	30	30			
2-Chloronaphthalene	91-58-7	2	0.538	ug/l	40-140	30	40-140	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.636	ug/l	40-140	30	40-140	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.642	ug/l	40-140	30	40-140	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.463	ug/l	36-97	30	36-97	30	30			
3,3'-Dichlorobenzidine	91-94-1	5	0.854	ug/l	40-140	30	40-140	30	30			
2,4-Dinitrotoluene	121-14-2	5	0.382	ug/l	48-143	30	48-143	30	30			
2,6-Dinitrotoluene	606-20-2	5	0.368	ug/l	40-140	30	40-140	30	30			
Azobenzene	103-33-3	2	0.81	ug/l	40-140	30	40-140	30	30			
Fluoranthene	206-44-0	2	0.653	ug/l	40-140	30	40-140	30	30			
4-Chlorophenyl phenyl ether	7005-72-3	2	0.795	ug/l	40-140	30	40-140	30	30			
4-Bromophenyl phenyl ether	101-55-3	2	0.632	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroisopropyl)ether	108-60-1	2	1.75	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroethoxy)methane	111-91-1	5	1.49	ug/l	40-140	30	40-140	30	30			
Hexachlorobutadiene	87-68-3	2	0.6	ug/l	40-140	30	40-140	30	30			
Hexachlorocyclopentadiene	77-47-4	20	0.606	ug/l	40-140	30	40-140	30	30			
Hexachloroethane	67-72-1	2	0.44	ug/l	40-140	30	40-140	30	30			
Isophorone	78-59-1	5	0.657	ug/l	40-140	30	40-140	30	30			
Naphthalene	91-20-3	2	0.669	ug/l	40-140	30	40-140	30	30			
Nitrobenzene	98-95-3	2	0.656	ug/l	40-140	30	40-140	30	30			
NitrosoDiPhenylAmine(NDPA)/DPA	86-30-6	2	0.65	ug/l	40-140	30	40-140	30	30			
n-Nitrosodi-n-propylamine	621-64-7	5	0.771	ug/l	29-132	30	29-132	30	30			
Bis(2-Ethylhexyl)phthalate	117-81-7	3	1.51	ug/l	40-140	30	40-140	30	30			
Butyl benzyl phthalate	85-68-7	5	2.18	ug/l	40-140	30	40-140	30	30			
Di-n-butylphthalate	84-74-2	5	0.58	ug/l	40-140	30	40-140	30	30			
Di-n-octylphthalate	117-84-0	5	2.39	ug/l	40-140	30	40-140	30	30			
Diethyl phthalate	84-66-2	5	4.3	ug/l	40-140	30	40-140	30	30			
Dimethyl phthalate	131-11-3	5	4.44	ug/l	40-140	30	40-140	30	30			
Benzo(a)anthracene	56-55-3	2	0.767	ug/l	40-140	30	40-140	30	30			
Benzo(a)pyrene	50-32-8	2	0.447	ug/l	40-140	30	40-140	30	30			
Benzo(b)fluoranthene	205-99-2	2	0.814	ug/l	40-140	30	40-140	30	30			
Benzo(k)fluoranthene	207-08-9	2	0.816	ug/l	40-140	30	40-140	30	30			
Chrysene	218-01-9	2	0.828	ug/l	40-140	30	40-140	30	30			
Acenaphthylene	208-96-8	2	0.59	ug/l	45-123	30	45-123	30	30			
Anthracene	120-12-7	2	0.79	ug/l	40-140	30	40-140	30	30			
Benzo(ghi)perylene	191-24-2	2	0.77	ug/l	40-140	30	40-140	30	30			
Fluorene	86-73-7	2	1.05	ug/l	40-140	30	40-140	30	30			
Phenanthrene	85-01-8	2	0.992	ug/l	40-140	30	40-140	30	30			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

ABN Extractables - EPA 8270D (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 1000ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dibenzo(a,h)anthracene	53-70-3	2	0.452	ug/l	40-140	30	40-140	30	30			
Indeno(1,2,3-cd)Pyrene	193-39-5	2	0.943	ug/l	40-140	30	40-140	30	30			
Pyrene	129-00-0	2	0.704	ug/l	26-127	30	26-127	30	30			
Biphenyl	92-52-4	2	0.635	ug/l	40-140	30	40-140	30	30			
Aniline	62-53-3	2	0.482	ug/l	40-140	30	40-140	30	30			
4-Chloroaniline	106-47-8	5	0.647	ug/l	40-140	30	40-140	30	30			
1-Methylnaphthalene	90-12-0	2	0.595	ug/l	41-103	30	41-103	30	30			
2-Nitroaniline	88-74-4	5	0.519	ug/l	52-143	30	52-143	30	30			
3-Nitroaniline	99-09-2	5	0.574	ug/l	25-145	30	25-145	30	30			
4-Nitroaniline	100-01-6	5	0.581	ug/l	51-143	30	51-143	30	30			
Dibenzofuran	132-64-9	2	0.823	ug/l	40-140	30	40-140	30	30			
2-Methylnaphthalene	91-57-6	2	0.677	ug/l	40-140	30	40-140	30	30			
1,2,4,5-Tetrachlorobenzene	95-94-3	10	0.621	ug/l	2-134	30	2-134	30	30			
Pentachloronitrobenzene	82-68-8	10	0.596	ug/l	4-189	30	4-189	30	30			
Acetophenone	98-86-2	5	0.983	ug/l	39-129	30	39-129	30	30			
n-Nitrosodimethylamine	62-75-9	2	0.524	ug/l	22-74	30	22-74	30	30			
2,4,6-Trichlorophenol	88-06-2	5	0.494	ug/l	30-130	30	30-130	30	30			
P-Chloro-M-Cresol	59-50-7	2	0.406	ug/l	23-97	30	23-97	30	30			
2-Chlorophenol	95-57-8	2	0.405	ug/l	27-123	30	27-123	30	30			
2,4-Dichlorophenol	120-83-2	5	0.527	ug/l	30-130	30	30-130	30	30			
2,4-Dimethylphenol	105-67-9	5	1.1	ug/l	30-130	30	30-130	30	30			
2-Nitrophenol	88-75-5	10	0.463	ug/l	30-130	30	30-130	30	30			
4-Nitrophenol	100-02-7	10	1.14	ug/l	10-80	30	10-80	30	30			
2,4-Dinitrophenol	51-28-5	20	3.55	ug/l	20-130	30	20-130	30	30			
4,6-Dinitro-o-cresol	534-52-1	10	5.42	ug/l	20-164	30	20-164	30	30			
Pentachlorophenol	87-86-5	10	1.95	ug/l	9-103	30	9-103	30	30			
Phenol	108-95-2	5	1.3	ug/l	12-110	30	12-110	30	30			
2-Methylphenol	95-48-7	5	1.1	ug/l	30-130	30	30-130	30	30			
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5	5	0.55	ug/l	30-130	30	30-130	30	30			
2,4,5-Trichlorophenol	95-95-4	5	0.381	ug/l	30-130	30	30-130	30	30			
Benzoic Acid	65-85-0	50	12.9	ug/l	10-164	30	10-164	30	30			
Benzyl Alcohol	100-51-6	2	0.698	ug/l	26-116	30	26-116	30	30			
Carbazole	86-74-8	2	0.759	ug/l	55-144	30	55-144	30	30			
Pyridine	110-86-1	3.5	0.905	ug/l	10-66	30	10-66	30	30			
1,3-Dinitrobenzene	99-65-0	2	0.386	ug/l	15-130	30	15-130	30	30			
Parathion, ethyl	56-38-2	10	6.4	ug/l	40-140	30	40-140	30	30			
3,3'-Dimethylbenzidine	119-93-7	50	7.42	ug/l	40-140	30	40-140	30	30			
Thionazin	297-97-2	1.7	1.7	ug/l	40-140	30	40-140	30	30			
Dichloran	99-30-9	5	3.36	ug/l	40-140	30	40-140	30	30			
1-Chloro-2-nitrobenzene	88-73-3	5	0.602	ug/l	40-140	30	40-140	30	30			
2-Chloroaniline	95-51-2	5	0.769	ug/l	15-130	30	15-130	30	30			
3-Chloroaniline	108-42-9	10	0.937	ug/l	40-140	30	40-140	30	30			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

ABN Extractables - EPA 8270D (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 1000ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Diphenamid	957-51-7	5	1.1	ug/l	40-140	30	40-140	30	30			
M-Toluidine	108-44-1	10	1.68	ug/l	40-140	30	40-140	30	30			
Atrazine	1912-24-9	10	1.72	ug/l	40-140	30	40-140	30	30			
Benzaldehyde	100-52-7	5	0.903	ug/l	40-140	30	40-140	30	30			
Caprolactam	105-60-2	10	1.27	ug/l	10-130	30	10-130	30	30			
2,3,4,6-Tetrachlorophenol	58-90-2	5	0.469	ug/l	40-140	30	40-140	30	30			
2-Fluorophenol	*367-12-4*									*21-120*		
Phenol-d6	*13127-88-3*									*10-120*		
Nitrobenzene-d5	*4165-60-0*									*23-120*		
2-Fluorobiphenyl	*321-60-8*									*15-120*		
2,4,6-Tribromophenol	*118-79-6*									*10-120*		
4-Terphenyl-d14	*1718-51-0*									*41-149*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Semivolatile Sample Data

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	Lab Number	: L2040316
Project Name	: CONEY ISLAND	Project Number	: 11404
Lab ID	: L2040316-03	Date Collected	: 09/24/20 09:00
Client ID	: WC-5	Date Received	: 09/24/20
Sample Location	: 1515 SURF AVE, BROOKLYN, NY	Date Analyzed	: 09/28/20 16:35
Sample Matrix	: SOIL	Date Extracted	: 09/27/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 40316-03	Analyst	: IM
Sample Amount	: 30.44 g	Instrument ID	: SV109
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 82
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	160	21.	U
120-82-1	1,2,4-Trichlorobenzene	ND	200	23.	U
118-74-1	Hexachlorobenzene	ND	120	22.	U
111-44-4	Bis(2-chloroethyl)ether	ND	180	27.	U
91-58-7	2-Chloronaphthalene	ND	200	20.	U
95-50-1	1,2-Dichlorobenzene	ND	200	36.	U
541-73-1	1,3-Dichlorobenzene	ND	200	34.	U
106-46-7	1,4-Dichlorobenzene	ND	200	35.	U
91-94-1	3,3'-Dichlorobenzidine	ND	200	53.	U
121-14-2	2,4-Dinitrotoluene	ND	200	40.	U
606-20-2	2,6-Dinitrotoluene	ND	200	34.	U
206-44-0	Fluoranthene	300	120	23.	
7005-72-3	4-Chlorophenyl phenyl ether	ND	200	21.	U
101-55-3	4-Bromophenyl phenyl ether	ND	200	30.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	240	34.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	220	20.	U
87-68-3	Hexachlorobutadiene	ND	200	29.	U
77-47-4	Hexachlorocyclopentadiene	ND	570	180	U
67-72-1	Hexachloroethane	ND	160	32.	U
78-59-1	Isophorone	ND	180	26.	U
91-20-3	Naphthalene	ND	200	24.	U
98-95-3	Nitrobenzene	ND	180	30.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	Lab Number	: L2040316
Project Name	: CONEY ISLAND	Project Number	: 11404
Lab ID	: L2040316-03	Date Collected	: 09/24/20 09:00
Client ID	: WC-5	Date Received	: 09/24/20
Sample Location	: 1515 SURF AVE, BROOKLYN, NY	Date Analyzed	: 09/28/20 16:35
Sample Matrix	: SOIL	Date Extracted	: 09/27/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 40316-03	Analyst	: IM
Sample Amount	: 30.44 g	Instrument ID	: SV109
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 82
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
86-30-6	NDPA/DPA	ND	160	23.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	200	31.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	200	69.	U
85-68-7	Butyl benzyl phthalate	ND	200	50.	U
84-74-2	Di-n-butylphthalate	ND	200	38.	U
117-84-0	Di-n-octylphthalate	ND	200	68.	U
84-66-2	Diethyl phthalate	ND	200	18.	U
131-11-3	Dimethyl phthalate	ND	200	42.	U
56-55-3	Benzo(a)anthracene	140	120	22.	
50-32-8	Benzo(a)pyrene	160	160	49.	
205-99-2	Benzo(b)fluoranthene	180	120	34.	
207-08-9	Benzo(k)fluoranthene	70	120	32.	J
218-01-9	Chrysene	130	120	21.	
208-96-8	Acenaphthylene	ND	160	31.	U
120-12-7	Anthracene	ND	120	39.	U
191-24-2	Benzo(ghi)perylene	97	160	23.	J
86-73-7	Fluorene	ND	200	19.	U
85-01-8	Phenanthrene	140	120	24.	
53-70-3	Dibenzo(a,h)anthracene	ND	120	23.	U
193-39-5	Indeno(1,2,3-cd)pyrene	110	160	28.	J
129-00-0	Pyrene	260	120	20.	
92-52-4	Biphenyl	ND	450	46.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	Lab Number	: L2040316
Project Name	: CONEY ISLAND	Project Number	: 11404
Lab ID	: L2040316-03	Date Collected	: 09/24/20 09:00
Client ID	: WC-5	Date Received	: 09/24/20
Sample Location	: 1515 SURF AVE, BROOKLYN, NY	Date Analyzed	: 09/28/20 16:35
Sample Matrix	: SOIL	Date Extracted	: 09/27/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 40316-03	Analyst	: IM
Sample Amount	: 30.44 g	Instrument ID	: SV109
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 82
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-47-8	4-Chloroaniline	ND	200	36.	U
88-74-4	2-Nitroaniline	ND	200	38.	U
99-09-2	3-Nitroaniline	ND	200	38.	U
100-01-6	4-Nitroaniline	ND	200	82.	U
132-64-9	Dibenzofuran	ND	200	19.	U
91-57-6	2-Methylnaphthalene	ND	240	24.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	200	21.	U
98-86-2	Acetophenone	ND	200	25.	U
88-06-2	2,4,6-Trichlorophenol	ND	120	38.	U
59-50-7	p-Chloro-m-cresol	ND	200	30.	U
95-57-8	2-Chlorophenol	ND	200	24.	U
120-83-2	2,4-Dichlorophenol	ND	180	32.	U
105-67-9	2,4-Dimethylphenol	ND	200	66.	U
88-75-5	2-Nitrophenol	ND	430	75.	U
100-02-7	4-Nitrophenol	ND	280	81.	U
51-28-5	2,4-Dinitrophenol	ND	960	93.	U
534-52-1	4,6-Dinitro-o-cresol	ND	520	96.	U
87-86-5	Pentachlorophenol	ND	160	44.	U
108-95-2	Phenol	ND	200	30.	U
95-48-7	2-Methylphenol	ND	200	31.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	290	31.	U
95-95-4	2,4,5-Trichlorophenol	ND	200	38.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	Lab Number	: L2040316
Project Name	: CONEY ISLAND	Project Number	: 11404
Lab ID	: L2040316-03	Date Collected	: 09/24/20 09:00
Client ID	: WC-5	Date Received	: 09/24/20
Sample Location	: 1515 SURF AVE, BROOKLYN, NY	Date Analyzed	: 09/28/20 16:35
Sample Matrix	: SOIL	Date Extracted	: 09/27/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 40316-03	Analyst	: IM
Sample Amount	: 30.44 g	Instrument ID	: SV109
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 82
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
65-85-0	Benzoic Acid	ND	640	200	U
100-51-6	Benzyl Alcohol	ND	200	61.	U
86-74-8	Carbazole	ND	200	19.	U
123-91-1	1,4-Dioxane	ND	30	9.2	U

Tentatively Identified Compounds
Form 1
Semivolatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2040316
Project Name	: CONEY ISLAND	**Project Number**	: 11404
Lab ID	: L2040316-03	**Date Collected**	: 09/24/20 09:00
Client ID	: WC-5	**Date Received**	: 09/24/20
Sample Location	: 1515 SURF AVE, BROOKLYN, NY	**Date Analyzed**	: 09/28/20 16:35
Sample Matrix	: SOIL	**Date Extracted**	: 09/27/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 40316-03	**Analyst**	: IM
Sample Amount	: 30.44 g	**Instrument ID**	: SV109
Extraction Method	: EPA 3546	**GC Column**	:
Extract Volume	: 1000 uL	**%Solids**	: 82
GPC Cleanup	: N	**Injection Volume**	: 1 uL

Number TICS found: 0 **Concentration Units: ug/Kg**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	Lab Number	: L2040316
Project Name	: CONEY ISLAND	Project Number	: 11404
Lab ID	: L2040316-04D	Date Collected	: 09/24/20 10:30
Client ID	: WC-6	Date Received	: 09/24/20
Sample Location	: 1515 SURF AVE, BROOKLYN, NY	Date Analyzed	: 09/28/20 17:01
Sample Matrix	: SOIL	Date Extracted	: 09/27/20
Analytical Method	: 1,8270D	Dilution Factor	: 10
Lab File ID	: 316-04D1	Analyst	: IM
Sample Amount	: 30.11 g	Instrument ID	: SV109
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 86
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	740	1500	200	J
120-82-1	1,2,4-Trichlorobenzene	ND	1900	220	U
118-74-1	Hexachlorobenzene	ND	1200	220	U
111-44-4	Bis(2-chloroethyl)ether	ND	1700	260	U
91-58-7	2-Chloronaphthalene	ND	1900	190	U
95-50-1	1,2-Dichlorobenzene	ND	1900	340	U
541-73-1	1,3-Dichlorobenzene	ND	1900	330	U
106-46-7	1,4-Dichlorobenzene	ND	1900	340	U
91-94-1	3,3'-Dichlorobenzidine	ND	1900	510	U
121-14-2	2,4-Dinitrotoluene	ND	1900	380	U
606-20-2	2,6-Dinitrotoluene	ND	1900	330	U
206-44-0	Fluoranthene	14000	1200	220	
7005-72-3	4-Chlorophenyl phenyl ether	ND	1900	200	U
101-55-3	4-Bromophenyl phenyl ether	ND	1900	290	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2300	330	U
111-91-1	Bis(2-chloroethoxy)methane	ND	2100	190	U
87-68-3	Hexachlorobutadiene	ND	1900	280	U
77-47-4	Hexachlorocyclopentadiene	ND	5500	1700	U
67-72-1	Hexachloroethane	ND	1500	310	U
78-59-1	Isophorone	ND	1700	250	U
91-20-3	Naphthalene	320	1900	230	J
98-95-3	Nitrobenzene	ND	1700	280	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	Lab Number	: L2040316
Project Name	: CONEY ISLAND	Project Number	: 11404
Lab ID	: L2040316-04D	Date Collected	: 09/24/20 10:30
Client ID	: WC-6	Date Received	: 09/24/20
Sample Location	: 1515 SURF AVE, BROOKLYN, NY	Date Analyzed	: 09/28/20 17:01
Sample Matrix	: SOIL	Date Extracted	: 09/27/20
Analytical Method	: 1,8270D	Dilution Factor	: 10
Lab File ID	: 316-04D1	Analyst	: IM
Sample Amount	: 30.11 g	Instrument ID	: SV109
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 86
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
86-30-6	NDPA/DPA	ND	1500	220	U
621-64-7	n-Nitrosodi-n-propylamine	ND	1900	300	U
117-81-7	Bis(2-ethylhexyl)phthalate	1200	1900	660	J
85-68-7	Butyl benzyl phthalate	ND	1900	480	U
84-74-2	Di-n-butylphthalate	ND	1900	360	U
117-84-0	Di-n-octylphthalate	ND	1900	650	U
84-66-2	Diethyl phthalate	ND	1900	180	U
131-11-3	Dimethyl phthalate	ND	1900	400	U
56-55-3	Benzo(a)anthracene	6900	1200	220	
50-32-8	Benzo(a)pyrene	7600	1500	470	
205-99-2	Benzo(b)fluoranthene	8300	1200	320	
207-08-9	Benzo(k)fluoranthene	2600	1200	310	
218-01-9	Chrysene	6400	1200	200	
208-96-8	Acenaphthylene	990	1500	300	J
120-12-7	Anthracene	2800	1200	370	
191-24-2	Benzo(ghi)perylene	4300	1500	230	
86-73-7	Fluorene	900	1900	190	J
85-01-8	Phenanthrene	10000	1200	230	
53-70-3	Dibenzo(a,h)anthracene	1000	1200	220	J
193-39-5	Indeno(1,2,3-cd)pyrene	4600	1500	270	
129-00-0	Pyrene	12000	1200	190	
92-52-4	Biphenyl	ND	4400	440	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	Lab Number	: L2040316
Project Name	: CONEY ISLAND	Project Number	: 11404
Lab ID	: L2040316-04D	Date Collected	: 09/24/20 10:30
Client ID	: WC-6	Date Received	: 09/24/20
Sample Location	: 1515 SURF AVE, BROOKLYN, NY	Date Analyzed	: 09/28/20 17:01
Sample Matrix	: SOIL	Date Extracted	: 09/27/20
Analytical Method	: 1,8270D	Dilution Factor	: 10
Lab File ID	: 316-04D1	Analyst	: IM
Sample Amount	: 30.11 g	Instrument ID	: SV109
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 86
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-47-8	4-Chloroaniline	ND	1900	350	U
88-74-4	2-Nitroaniline	ND	1900	370	U
99-09-2	3-Nitroaniline	ND	1900	360	U
100-01-6	4-Nitroaniline	ND	1900	800	U
132-64-9	Dibenzofuran	380	1900	180	J
91-57-6	2-Methylnaphthalene	ND	2300	230	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	1900	200	U
98-86-2	Acetophenone	ND	1900	240	U
88-06-2	2,4,6-Trichlorophenol	ND	1200	360	U
59-50-7	p-Chloro-m-cresol	ND	1900	290	U
95-57-8	2-Chlorophenol	ND	1900	230	U
120-83-2	2,4-Dichlorophenol	ND	1700	310	U
105-67-9	2,4-Dimethylphenol	ND	1900	630	U
88-75-5	2-Nitrophenol	ND	4200	720	U
100-02-7	4-Nitrophenol	ND	2700	780	U
51-28-5	2,4-Dinitrophenol	ND	9200	900	U
534-52-1	4,6-Dinitro-o-cresol	ND	5000	920	U
87-86-5	Pentachlorophenol	ND	1500	420	U
108-95-2	Phenol	ND	1900	290	U
95-48-7	2-Methylphenol	ND	1900	300	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	2800	300	U
95-95-4	2,4,5-Trichlorophenol	ND	1900	370	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	Lab Number	: L2040316
Project Name	: CONEY ISLAND	Project Number	: 11404
Lab ID	: L2040316-04D	Date Collected	: 09/24/20 10:30
Client ID	: WC-6	Date Received	: 09/24/20
Sample Location	: 1515 SURF AVE, BROOKLYN, NY	Date Analyzed	: 09/28/20 17:01
Sample Matrix	: SOIL	Date Extracted	: 09/27/20
Analytical Method	: 1,8270D	Dilution Factor	: 10
Lab File ID	: 316-04D1	Analyst	: IM
Sample Amount	: 30.11 g	Instrument ID	: SV109
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 86
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
65-85-0	Benzoic Acid	ND	6200	1900	U
100-51-6	Benzyl Alcohol	ND	1900	590	U
86-74-8	Carbazole	1000	1900	190	J
123-91-1	1,4-Dioxane	ND	290	88.	U

Tentatively Identified Compounds
Form 1
Semivolatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	Lab Number	: L2040316
Project Name	: CONEY ISLAND	Project Number	: 11404
Lab ID	: L2040316-04D	Date Collected	: 09/24/20 10:30
Client ID	: WC-6	Date Received	: 09/24/20
Sample Location	: 1515 SURF AVE, BROOKLYN, NY	Date Analyzed	: 09/28/20 17:01
Sample Matrix	: SOIL	Date Extracted	: 09/27/20
Analytical Method	: 1,8270D	Dilution Factor	: 10
Lab File ID	: 316-04d1	Analyst	: IM
Sample Amount	: 30.11 g	Instrument ID	: SV109
Extraction Method	: EPA 3546	GC Column	:
Extract Volume	: 1000 uL	%Solids	: 86
GPC Cleanup	: N	Injection Volume	: 1 uL

Number TICS found: 12

Concentration Units: ug/Kg

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown	8.27	1900	J
	Unknown Organic Acid	8.65	4590	J
	Unknown PAH	9.35	2000	J
	Unknown	9.38	2180	J
	Unknown	9.45	3050	J
	Unknown Organic Acid	9.51	65900	J
	Unknown	9.65	2940	J
	Unknown	9.89	2270	J
	Unknown Organic Acid	10.18	30600	J
	Unknown PAH	10.59	2340	J
	Unknown PAH	13.49	4810	J
	Total TIC Compounds		123000J	J

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	Lab Number	: L2040316
Project Name	: CONEY ISLAND	Project Number	: 11404
Lab ID	: WG1415071-1	Date Collected	: NA
Client ID	: WG1415071-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/28/20 09:49
Sample Matrix	: SOIL	Date Extracted	: 09/27/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 415071-1	Analyst	: CB
Sample Amount	: 30.69 g	Instrument ID	: SV109
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: NA
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	130	17.	U
120-82-1	1,2,4-Trichlorobenzene	ND	160	19.	U
118-74-1	Hexachlorobenzene	ND	98	18.	U
111-44-4	Bis(2-chloroethyl)ether	ND	150	22.	U
91-58-7	2-Chloronaphthalene	ND	160	16.	U
95-50-1	1,2-Dichlorobenzene	ND	160	29.	U
541-73-1	1,3-Dichlorobenzene	ND	160	28.	U
106-46-7	1,4-Dichlorobenzene	ND	160	28.	U
91-94-1	3,3'-Dichlorobenzidine	ND	160	43.	U
121-14-2	2,4-Dinitrotoluene	ND	160	32.	U
606-20-2	2,6-Dinitrotoluene	ND	160	28.	U
206-44-0	Fluoranthene	ND	98	19.	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	160	17.	U
101-55-3	4-Bromophenyl phenyl ether	ND	160	25.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	200	28.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	180	16.	U
87-68-3	Hexachlorobutadiene	ND	160	24.	U
77-47-4	Hexachlorocyclopentadiene	ND	460	150	U
67-72-1	Hexachloroethane	ND	130	26.	U
78-59-1	Isophorone	ND	150	21.	U
91-20-3	Naphthalene	ND	160	20.	U
98-95-3	Nitrobenzene	ND	150	24.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	Lab Number	: L2040316
Project Name	: CONEY ISLAND	Project Number	: 11404
Lab ID	: WG1415071-1	Date Collected	: NA
Client ID	: WG1415071-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/28/20 09:49
Sample Matrix	: SOIL	Date Extracted	: 09/27/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 415071-1	Analyst	: CB
Sample Amount	: 30.69 g	Instrument ID	: SV109
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: NA
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
86-30-6	NDPA/DPA	ND	130	18.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	160	25.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	160	56.	U
85-68-7	Butyl benzyl phthalate	ND	160	41.	U
84-74-2	Di-n-butylphthalate	ND	160	31.	U
117-84-0	Di-n-octylphthalate	ND	160	55.	U
84-66-2	Diethyl phthalate	ND	160	15.	U
131-11-3	Dimethyl phthalate	ND	160	34.	U
56-55-3	Benzo(a)anthracene	ND	98	18.	U
50-32-8	Benzo(a)pyrene	ND	130	40.	U
205-99-2	Benzo(b)fluoranthene	ND	98	27.	U
207-08-9	Benzo(k)fluoranthene	ND	98	26.	U
218-01-9	Chrysene	ND	98	17.	U
208-96-8	Acenaphthylene	ND	130	25.	U
120-12-7	Anthracene	ND	98	32.	U
191-24-2	Benzo(ghi)perylene	ND	130	19.	U
86-73-7	Fluorene	ND	160	16.	U
85-01-8	Phenanthrene	ND	98	20.	U
53-70-3	Dibenzo(a,h)anthracene	ND	98	19.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	130	23.	U
129-00-0	Pyrene	ND	98	16.	U
92-52-4	Biphenyl	ND	370	38.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	Lab Number	: L2040316
Project Name	: CONEY ISLAND	Project Number	: 11404
Lab ID	: WG1415071-1	Date Collected	: NA
Client ID	: WG1415071-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/28/20 09:49
Sample Matrix	: SOIL	Date Extracted	: 09/27/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 415071-1	Analyst	: CB
Sample Amount	: 30.69 g	Instrument ID	: SV109
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: NA
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-47-8	4-Chloroaniline	ND	160	30.	U
88-74-4	2-Nitroaniline	ND	160	31.	U
99-09-2	3-Nitroaniline	ND	160	31.	U
100-01-6	4-Nitroaniline	ND	160	67.	U
132-64-9	Dibenzofuran	ND	160	15.	U
91-57-6	2-Methylnaphthalene	ND	200	20.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	160	17.	U
98-86-2	Acetophenone	ND	160	20.	U
88-06-2	2,4,6-Trichlorophenol	ND	98	31.	U
59-50-7	p-Chloro-m-cresol	ND	160	24.	U
95-57-8	2-Chlorophenol	ND	160	19.	U
120-83-2	2,4-Dichlorophenol	ND	150	26.	U
105-67-9	2,4-Dimethylphenol	ND	160	54.	U
88-75-5	2-Nitrophenol	ND	350	61.	U
100-02-7	4-Nitrophenol	ND	230	66.	U
51-28-5	2,4-Dinitrophenol	ND	780	76.	U
534-52-1	4,6-Dinitro-o-cresol	ND	420	78.	U
87-86-5	Pentachlorophenol	ND	130	36.	U
108-95-2	Phenol	ND	160	25.	U
95-48-7	2-Methylphenol	ND	160	25.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	230	26.	U
95-95-4	2,4,5-Trichlorophenol	ND	160	31.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	Lab Number	: L2040316
Project Name	: CONEY ISLAND	Project Number	: 11404
Lab ID	: WG1415071-1	Date Collected	: NA
Client ID	: WG1415071-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/28/20 09:49
Sample Matrix	: SOIL	Date Extracted	: 09/27/20
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 415071-1	Analyst	: CB
Sample Amount	: 30.69 g	Instrument ID	: SV109
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: NA
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
65-85-0	Benzoic Acid	ND	530	160	U
100-51-6	Benzyl Alcohol	ND	160	50.	U
86-74-8	Carbazole	ND	160	16.	U
123-91-1	1,4-Dioxane	ND	24	7.5	U

Tentatively Identified Compounds
Form 1
Semivolatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2040316
Project Name	: CONEY ISLAND	**Project Number**	: 11404
Lab ID	: WG1415071-1	**Date Collected**	: NA
Client ID	: WG1415071-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/28/20 09:49
Sample Matrix	: SOIL	**Date Extracted**	: 09/27/20
Analytical Method	: 1,8270D	**Dilution Factor**	: 1
Lab File ID	: 415071-1	**Analyst**	: CB
Sample Amount	: 30.69 g	**Instrument ID**	: SV109
Extraction Method	: EPA 3546	**GC Column**	:
Extract Volume	: 1000 uL	**%Solids**	: NA
GPC Cleanup	: N	**Injection Volume**	: 1 uL

Number TICS found: 2 **Concentration Units: ug/Kg**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown	9.98	354	J
	Total TIC Compounds		354J	J

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200928\
Data File : 40316-03.D
Acq On : 28 Sep 2020 4:35 pm
Operator : SV109:im
Sample : L2040316-03,32,,AM
Misc : WG1415319,WG1415071,ICAL17119
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 30 12:36:04 2020
Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 28 16:55:30 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - i:\8270\sv109\200928\ABN0928.D
: 2 - i:\8270\sv109\200928\ADP0928.D
: 3 - i:\8270\sv109\200928\AP90928.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.476	152	115978	40.000	ug/ml	0.00
Standard Area 1 = 115335			Recovery = 100.56%			
27) IS2_1,4-Dichlorobenzen...	4.476	152	115978	40.000	ug/ml	0.00
Standard Area 3 = 121282			Recovery = 95.63%			
32) IS3_1,4-Dichlorobenzen...	4.476	152	115978	40.000	ug/ml	0.00
Standard Area 2 = 112877			Recovery = 102.75%			
35) IS1_Naphthalene-d8	5.720	136	484157	40.000	ug/ml	0.00
Standard Area 1 = 495156			Recovery = 97.78%			
55) IS2_Naphthalene-d8	5.720	136	484157	40.000	ug/ml	0.00
Standard Area 3 = 514931			Recovery = 94.02%			
63) IS1_Acenaphthene-d10	7.423	164	259652	40.000	ug/ml	0.00
Standard Area 1 = 271698			Recovery = 95.57%			
83) IS2_Acenaphthene-d10	7.423	164	259652	40.000	ug/ml	0.00
Standard Area 3 = 286952			Recovery = 90.49%			
86) IS3_Acenaphthene-d10	7.423	164	259652	40.000	ug/ml	0.00
Standard Area 2 = 255350			Recovery = 101.68%			
88) IS1_Phenanthrene-d10	8.852	188	494556	40.000	ug/ml	0.00
Standard Area 1 = 526664			Recovery = 93.90%			
100) IS3_Phenanthrene-d10	8.852	188	494556	40.000	ug/ml	0.00
Standard Area 2 = 498171			Recovery = 99.27%			
104) IS1_Chrysene-d12	11.609	240	445428	40.000	ug/ml	0.00
Standard Area 1 = 490009			Recovery = 90.90%			
113) IS1_Perylene-d12	13.648	264	466979	40.000	ug/ml	0.00
Standard Area 1 = 512914			Recovery = 91.04%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.196	112	138103	39.842	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 79.68%			
7) Phenol-d6	4.172	99	170708	39.661	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 79.32%			
19) Nitrobenzene-d5	5.026	82	71927	18.745	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 74.98%			
46) 2-Fluorobiphenyl	6.792	172	162204	17.373	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 69.49%			
79) 2,4,6-Tribromophenol	8.187	330	54914	41.582	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 83.16%			

Data Path : I:\8270\SV109\200928\
Data File : 40316-03.D
Acq On : 28 Sep 2020 4:35 pm
Operator : SV109:im
Sample : L2040316-03,32,,AM
Misc : WG1415319,WG1415071,ICAL17119
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 30 12:36:04 2020
Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 28 16:55:30 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - i:\8270\sv109\200928\ABN0928.D
: 2 - i:\8270\sv109\200928\ADP0928.D
: 3 - i:\8270\sv109\200928\AP90928.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	10.434	244	169701	15.501	ug/ml	0.00

Spiked Amount 25.000 Range 40 - 140 Recovery = 62.00%

Target Compounds				Qvalue
6) 2-Chlorophenol	0.000	0	N.D.	
8) Phenol	0.000	0	N.D.	
9) Bis(2-chloroethyl)ether	0.000	0	N.D.	
10) 1,3-Dichlorobenzene	0.000	0	N.D.	
11) 1,4-Dichlorobenzene	0.000	0	N.D.	
12) 1,2-Dichlorobenzene	0.000	0	N.D.	
13) Benzyl alcohol	0.000	0	N.D.	
14) Bis(2-chloroisopropyl)...	0.000	0	N.D.	
15) 2-Methylphenol	0.000	0	N.D.	
16) Hexachloroethane	0.000	0	N.D.	
17) n-Nitrosodi-n-propylamine	0.000	0	N.D.	
18) 3-Methylphenol/4-Methy...	0.000	0	N.D.	
20) Nitrobenzene	0.000	0	N.D.	
21) Isophorone	0.000	0	N.D.	
22) 2-Nitrophenol	0.000	0	N.D.	
23) 2,4-Dimethylphenol	0.000	0	N.D.	
24) Bis(2-chloroethoxy)met...	0.000	0	N.D.	
25) 2,4-Dichlorophenol	0.000	0	N.D.	
26) 1,2,4-Trichlorobenzene	0.000	0	N.D.	
29) Acetophenone	0.000	0	N.D.	
33) 1,4-Dioxane	0.000	0	N.D.	
36) Naphthalene	0.000	0	N.D.	d
37) Benzoic Acid	0.000	0	N.D.	
38) 4-Chloroaniline	0.000	0	N.D.	
39) Hexachlorobutadiene	0.000	0	N.D.	
40) p-Chloro-m-cresol	0.000	0	N.D.	
41) 2-Methylnaphthalene	0.000	0	N.D.	
43) Hexachlorocyclopentadiene	0.000	0	N.D.	
44) 2,4,6-Trichlorophenol	0.000	0	N.D.	
45) 2,4,5-Trichlorophenol	0.000	0	N.D.	
47) 2-Chloronaphthalene	0.000	0	N.D.	
48) 2-Nitroaniline	0.000	0	N.D.	
51) Dimethyl phthalate	0.000	0	N.D.	

Data Path : I:\8270\SV109\200928\
Data File : 40316-03.D
Acq On : 28 Sep 2020 4:35 pm
Operator : SV109:im
Sample : L2040316-03,32,,AM
Misc : WG1415319,WG1415071,ICAL17119
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 30 12:36:04 2020
Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 28 16:55:30 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - i:\8270\sv109\200928\ABN0928.D
: 2 - i:\8270\sv109\200928\ADP0928.D
: 3 - i:\8270\sv109\200928\AP90928.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthylene	7.280	152	7286	0.558	ug/ml#	60
53) 2,6-Dinitrotoluene	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
65) Acenaphthene	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.		
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
73) Fluorene	0.000		0	N.D.	d	
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.	d	
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
81) Hexachlorobenzene	0.000		0	N.D.		
82) Pentachlorophenol	0.000		0	N.D.		
89) Phenanthrene	8.874	178	48277	3.586	ug/ml	99
90) Anthracene	8.924	178	12133	0.917	ug/ml#	92
91) Carbazole	9.095	167	5214	0.429	ug/ml#	58
92) Di-n-butylphthalate	0.000		0	N.D.		
93) Fluoranthene	10.027	202	104631	7.422	ug/ml	99
95) Pyrene	10.239	202	98658	6.570	ug/ml	96
97) Butyl benzyl phthalate	0.000		0	N.D.		
105) Benzo(a)anthracene	11.597	228	49689	3.622	ug/ml	95
106) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
107) Chrysene	11.640	228	45171	3.277	ug/ml	98
108) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.		
109) Di-n-octylphthalate	0.000		0	N.D.		
110) Benzo(b)fluoranthene	13.089	252	59097	4.493	ug/ml#	93
111) Benzo(k)fluoranthene	13.129	252	22393M1	1.765	ug/ml	
112) Benzo(a)pyrene	13.552	252	44870	4.071	ug/ml	98
114) Indeno(1,2,3-cd)pyrene	15.205	276	32232	2.715	ug/ml#	85
115) Dibenzo(a,h)anthracene	15.252	278	7188	0.556	ug/ml#	79
116) Benzo(ghi)perylene	15.569	276	32020	2.427	ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200928\
Data File : 40316-03.D
Acq On : 28 Sep 2020 4:35 pm
Operator : SV109:im
Sample : L2040316-03,32,,AM
Misc : WG1415319,WG1415071,ICAL17119
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 30 12:36:04 2020
Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 28 16:55:30 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - i:\8270\sv109\200928\ABN0928.D
: 2 - i:\8270\sv109\200928\ADP0928.D
: 3 - i:\8270\sv109\200928\AP90928.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

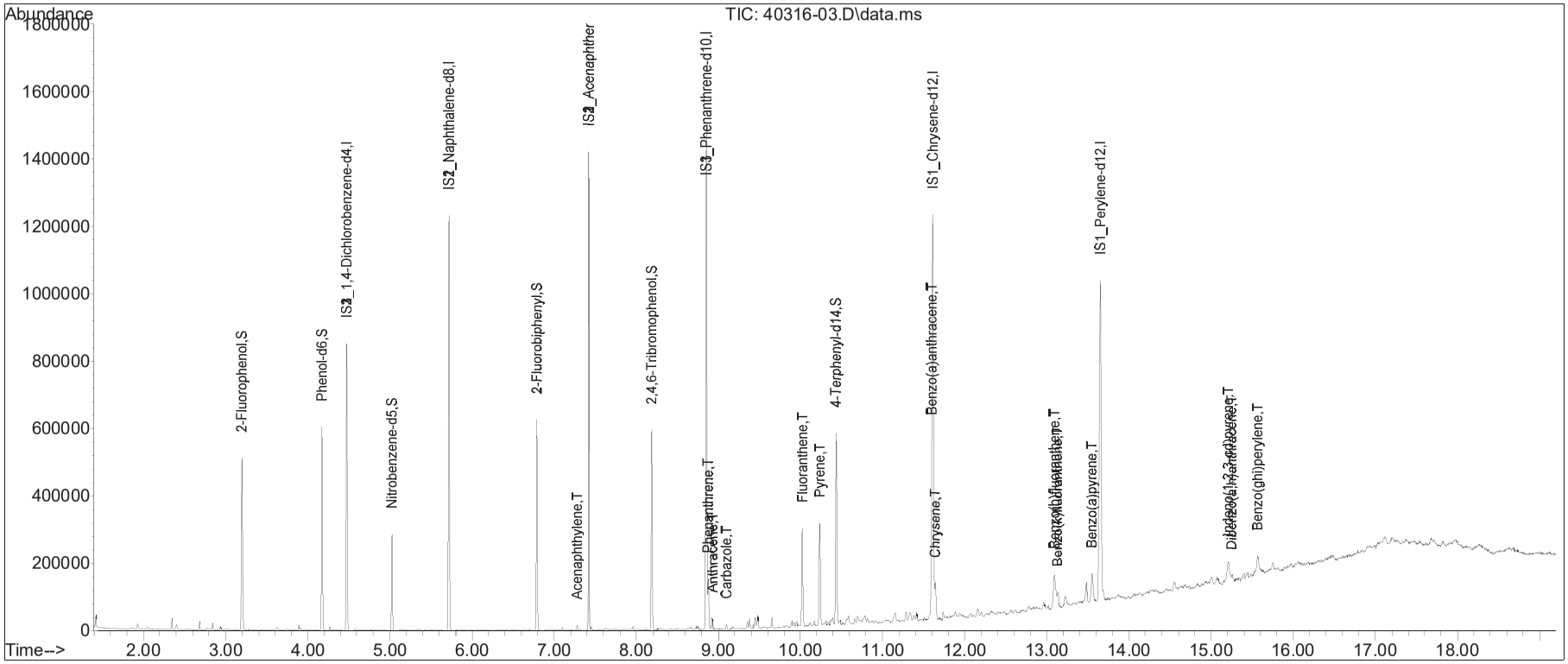
(#) = qualifier out of range (m) = manual integration (+) = signals summed

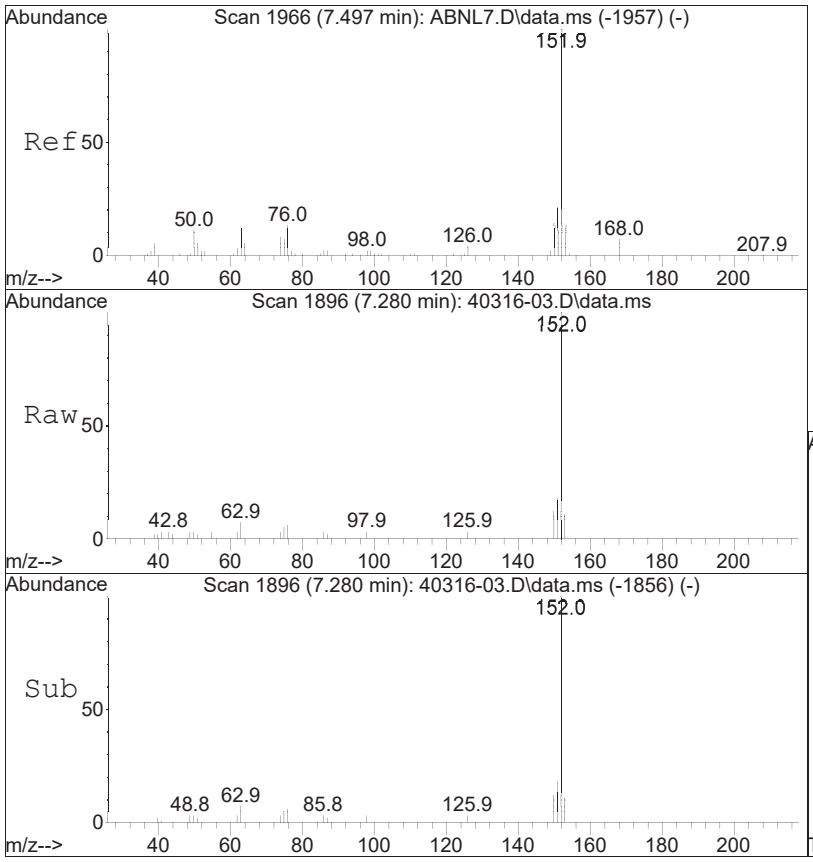
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200928\
Data File : 40316-03.D
Acq On : 28 Sep 2020 4:35 pm
Operator : SV109:im
Sample : L2040316-03,32,,AM
Misc : WG1415319,WG1415071,ICAL17119
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 30 12:36:04 2020
Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 28 16:55:30 2020
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MA\AP90928.D•

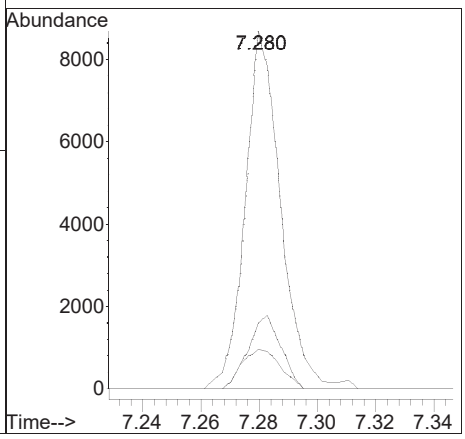


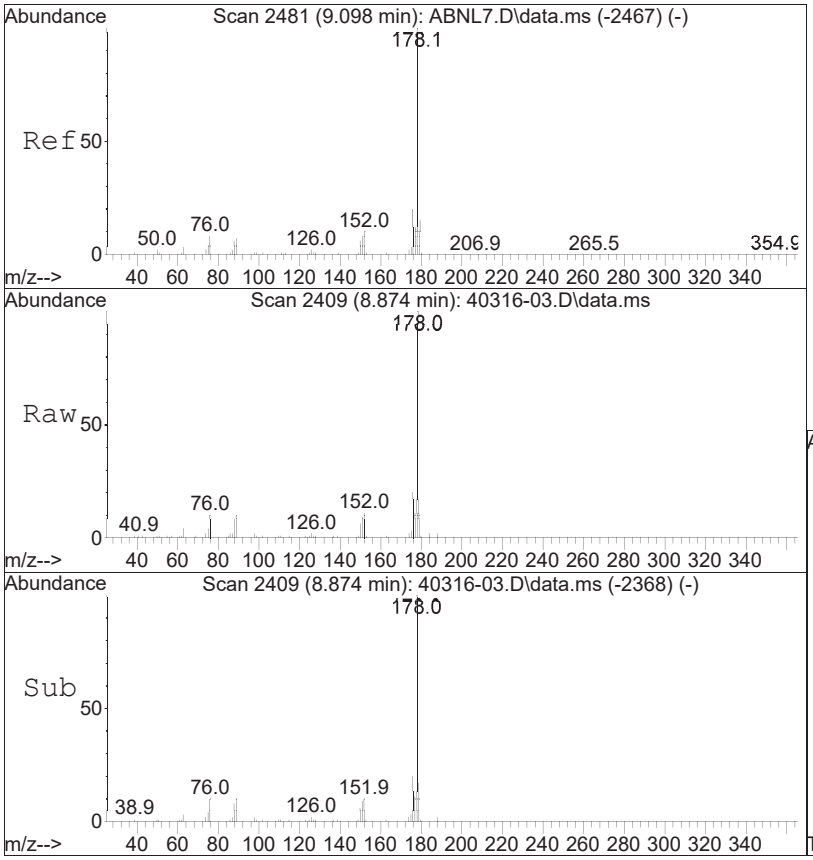


#52
Acenaphthylene
Concen: 0.56 ug/ml
RT: 7.280 min Scan# 1896
Delta R.T. -0.000 min
Lab File: 40316-03.D
Acq: 28 Sep 2020 4:35 pm

Tgt Ion:152 Resp: 7286

Ion	Ratio	Lower	Upper
152	100		
151	0.0	16.6	24.8#
153	0.0	10.5	15.7#

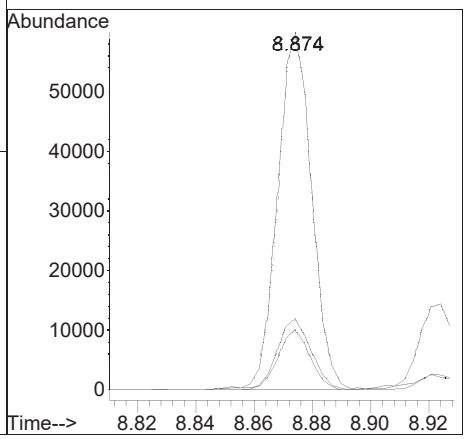


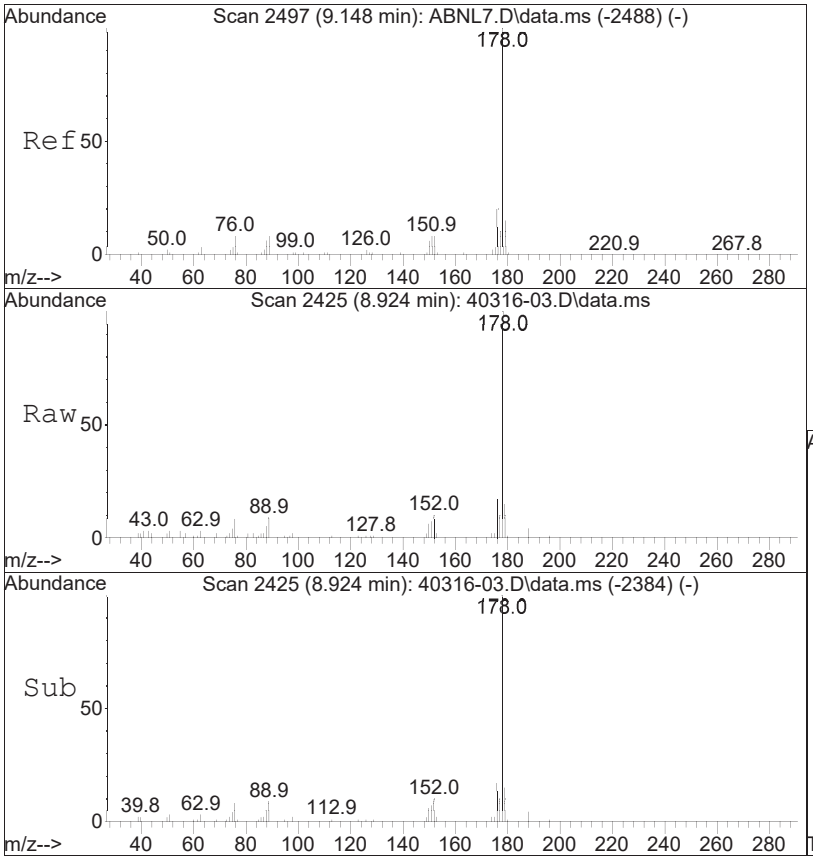


#89
Phenanthrene
Concen: 3.59 ug/ml
RT: 8.874 min Scan# 2409
Delta R.T. 0.003 min
Lab File: 40316-03.D
Acq: 28 Sep 2020 4:35 pm

Tgt Ion:178 Resp: 48277

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.2	18.4
176	19.8	15.5	23.3

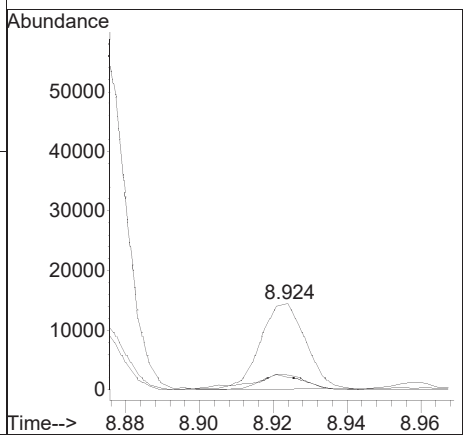


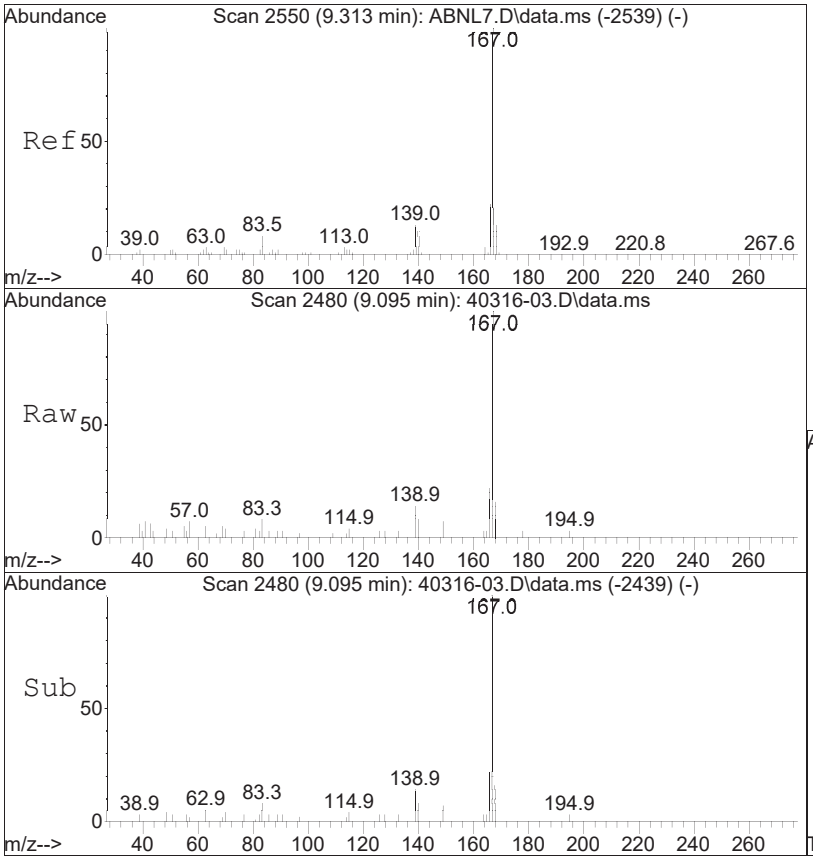


#90
Anthracene
Concen: 0.92 ug/ml
RT: 8.924 min Scan# 2425
Delta R.T. 0.003 min
Lab File: 40316-03.D
Acq: 28 Sep 2020 4:35 pm

Tgt Ion:178 Resp: 12133

Ion	Ratio	Lower	Upper
178	100		
179	22.4	12.3	18.5#
176	18.4	15.0	22.6

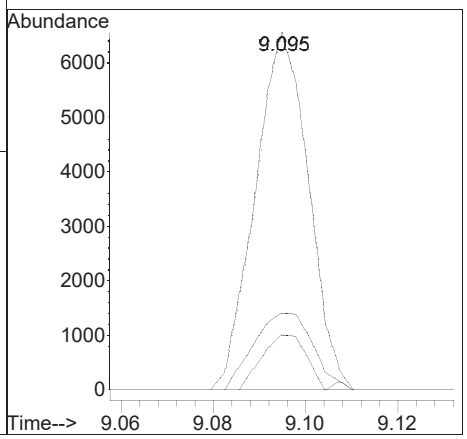


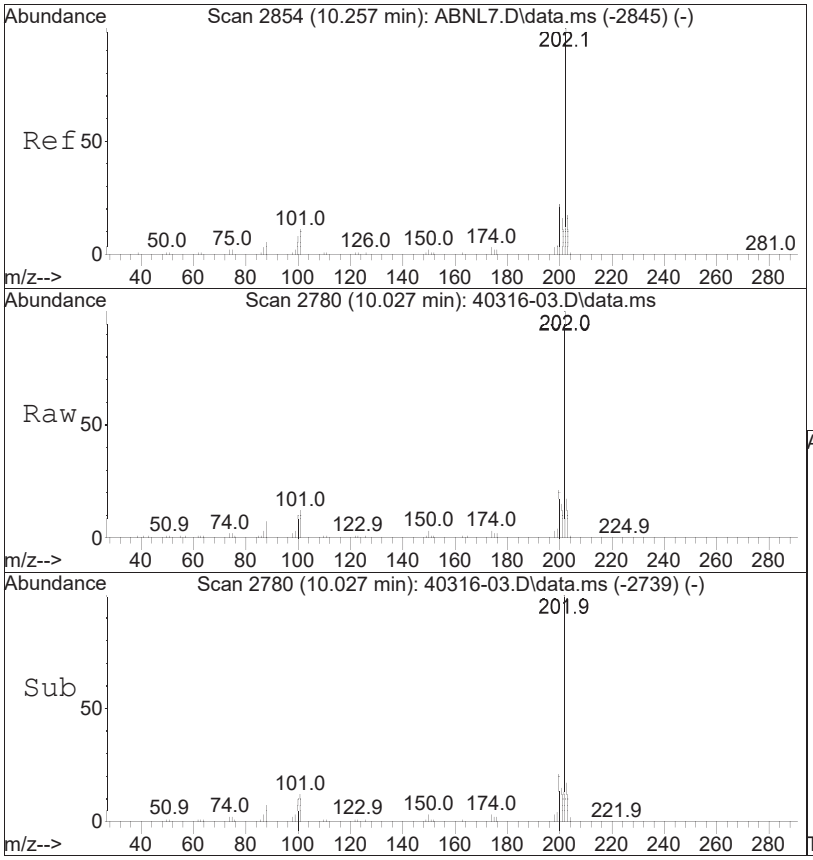


#91
Carbazole
Concen: 0.43 ug/ml
RT: 9.095 min Scan# 2480
Delta R.T. 0.003 min
Lab File: 40316-03.D
Acq: 28 Sep 2020 4:35 pm

Tgt Ion:167 Resp: 5214

Ion	Ratio	Lower	Upper
167	100		
168	0.0	10.6	16.0#
166	0.0	18.0	27.0#

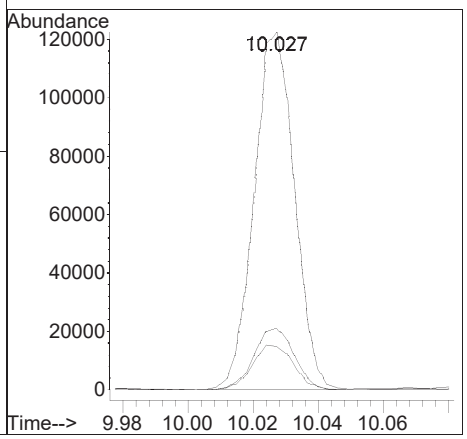


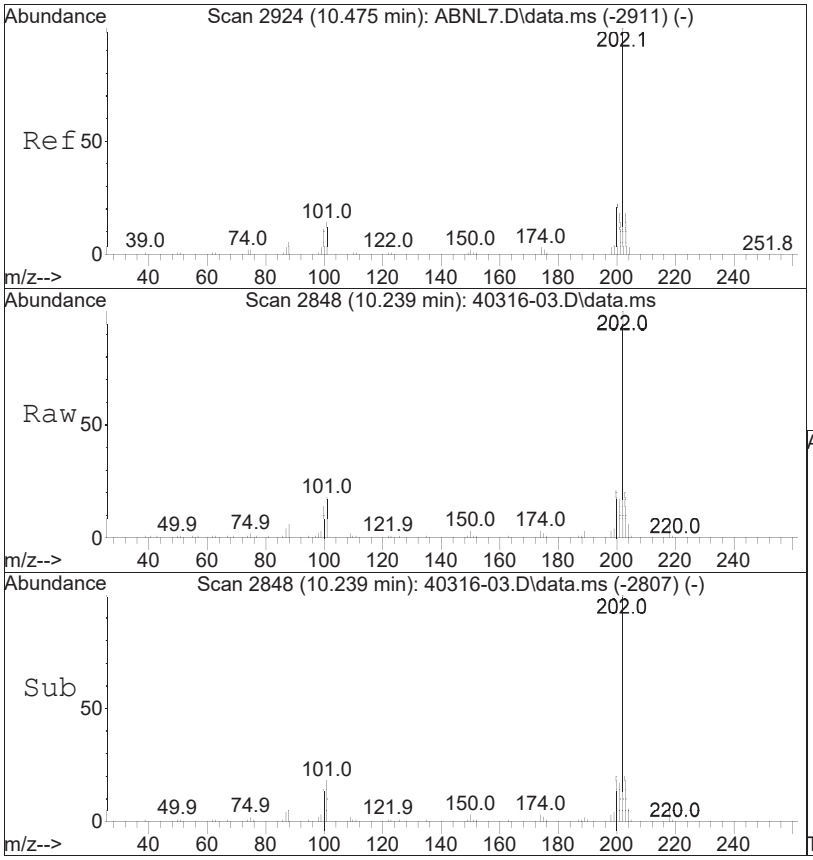


#93
Fluoranthene
Concen: 7.42 ug/ml
RT: 10.027 min Scan# 2780
Delta R.T. 0.003 min
Lab File: 40316-03.D
Acq: 28 Sep 2020 4:35 pm

Tgt Ion:202 Resp: 104631

Ion	Ratio	Lower	Upper
202	100		
101	13.0	11.2	16.8
203	17.4	13.8	20.6

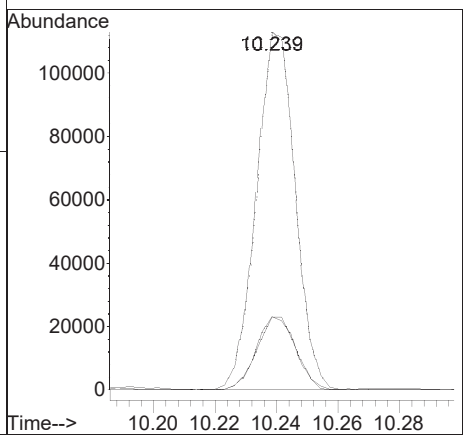


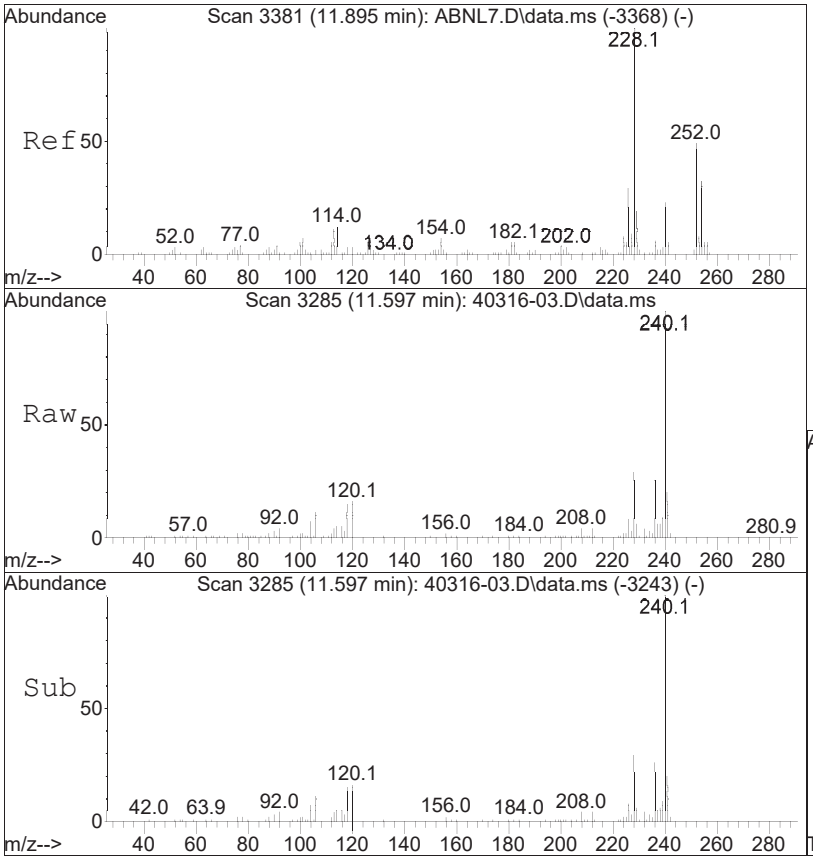


#95
Pyrene
Concen: 6.57 ug/ml
RT: 10.239 min Scan# 2848
Delta R.T. 0.003 min
Lab File: 40316-03.D
Acq: 28 Sep 2020 4:35 pm

Tgt Ion:202 Resp: 98658

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.4
203	20.9	14.2	21.4

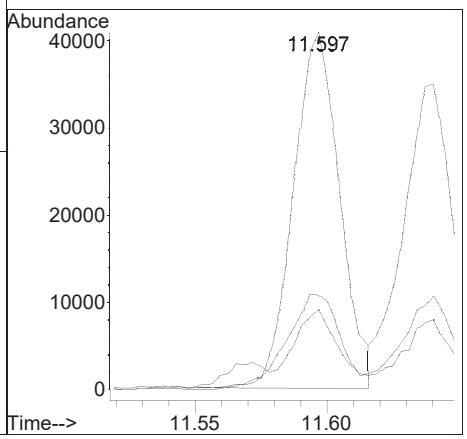


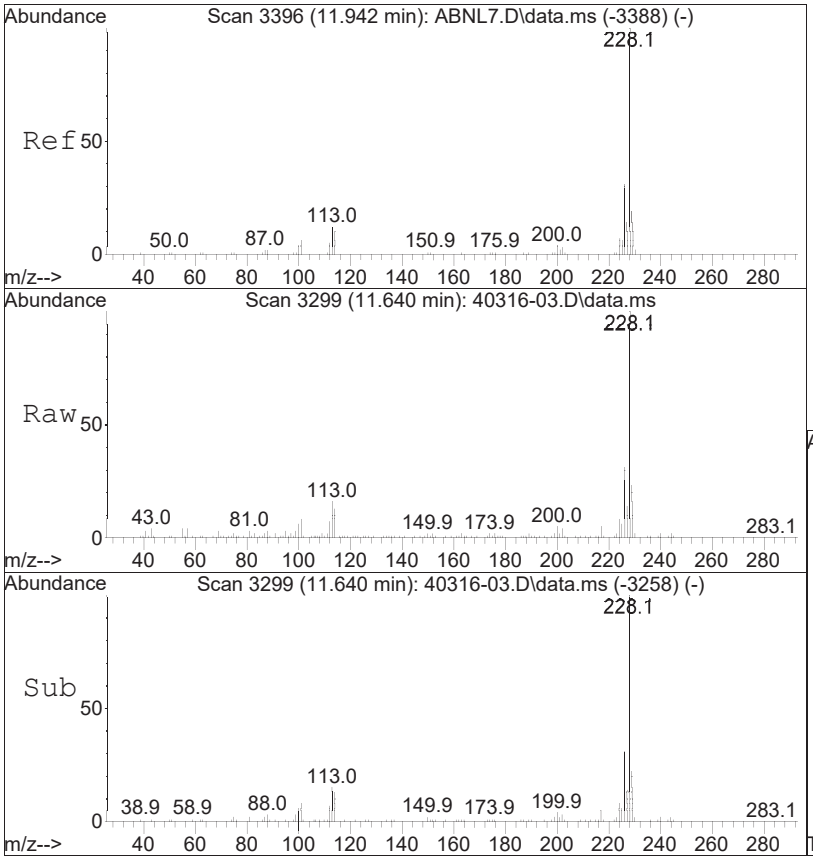


#105
Benzo(a)anthracene
Concen: 3.62 ug/ml
RT: 11.597 min Scan# 3285
Delta R.T. 0.006 min
Lab File: 40316-03.D
Acq: 28 Sep 2020 4:35 pm

Tgt Ion:228 Resp: 49689

Ion	Ratio	Lower	Upper
228	100		
226	31.5	22.2	33.4
229	20.6	15.6	23.4

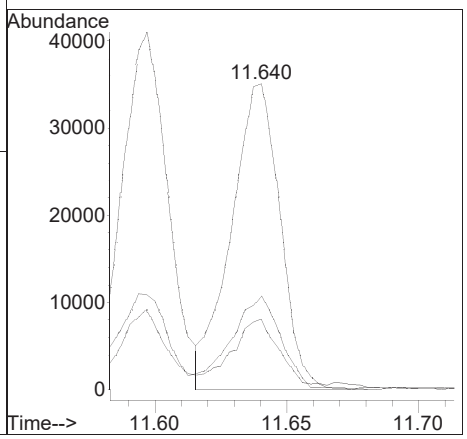


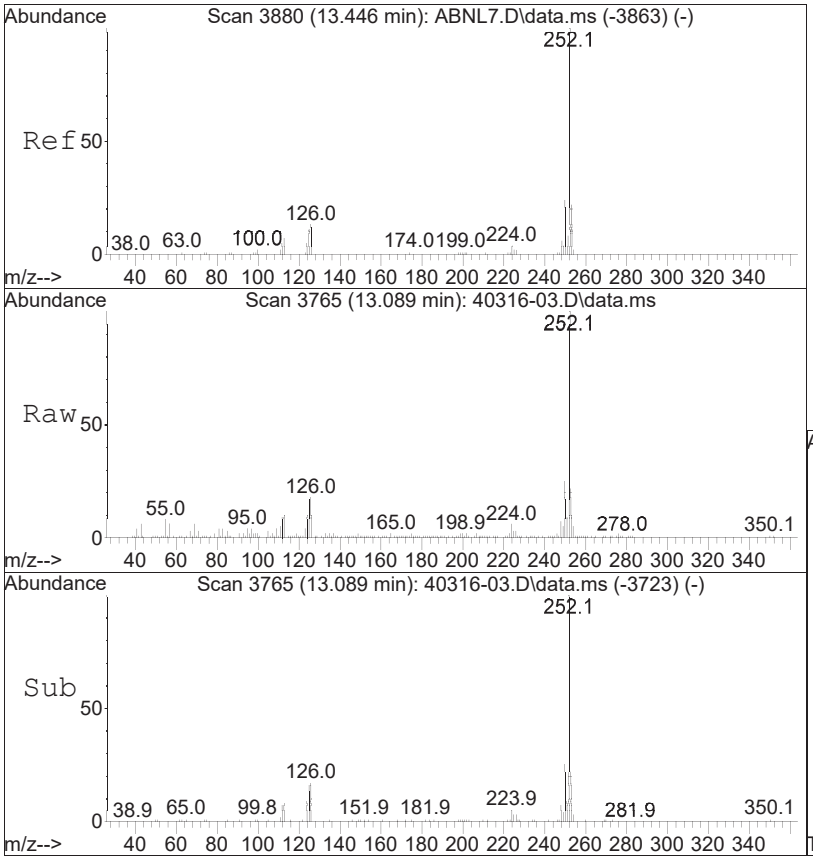


#107
Chrysene
Concen: 3.28 ug/ml
RT: 11.640 min Scan# 3299
Delta R.T. 0.003 min
Lab File: 40316-03.D
Acq: 28 Sep 2020 4:35 pm

Tgt Ion:228 Resp: 45171

Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.3	36.5
229	20.6	15.5	23.3

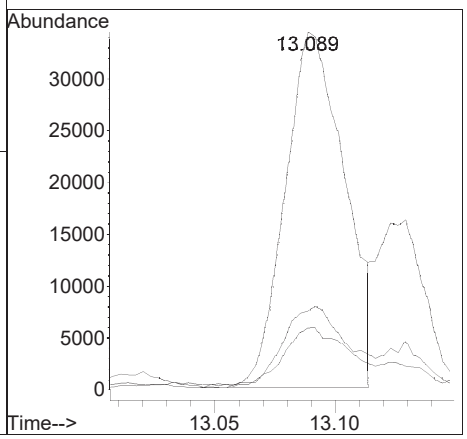


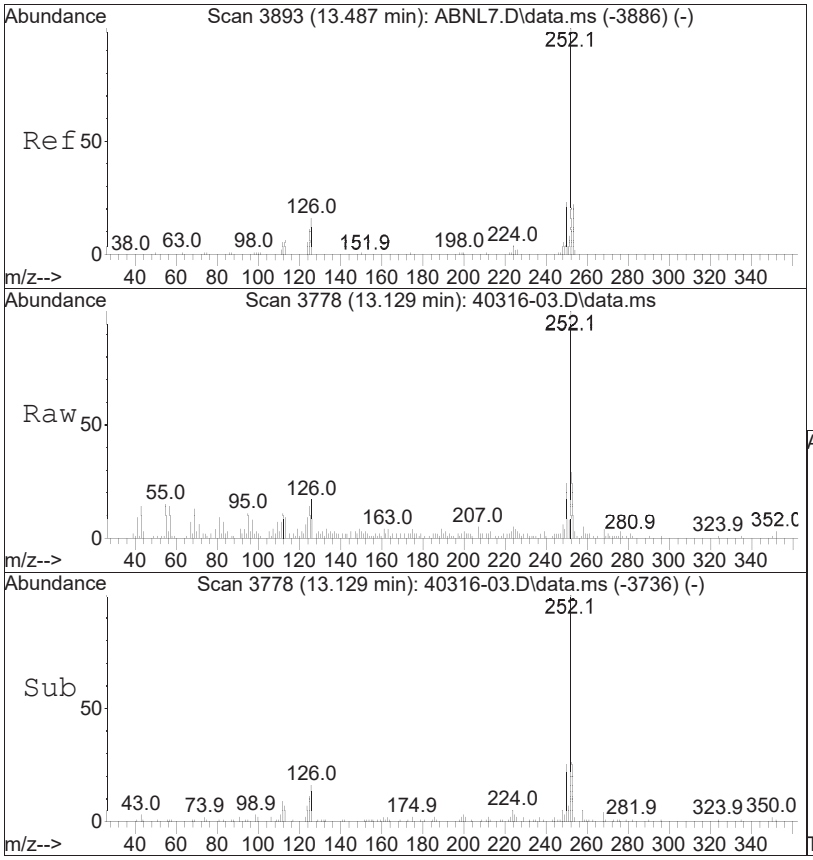


#110
Benzo(b)fluoranthene
Concen: 4.49 ug/ml
RT: 13.089 min Scan# 3765
Delta R.T. 0.006 min
Lab File: 40316-03.D
Acq: 28 Sep 2020 4:35 pm

Tgt Ion:252 Resp: 59097

Ion	Ratio	Lower	Upper
252	100		
125	17.4	11.4	17.0#
253	25.0	17.5	26.3

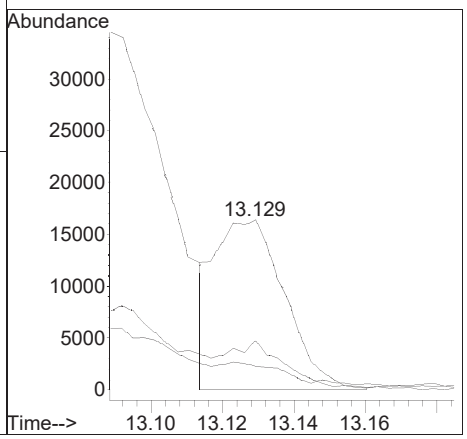


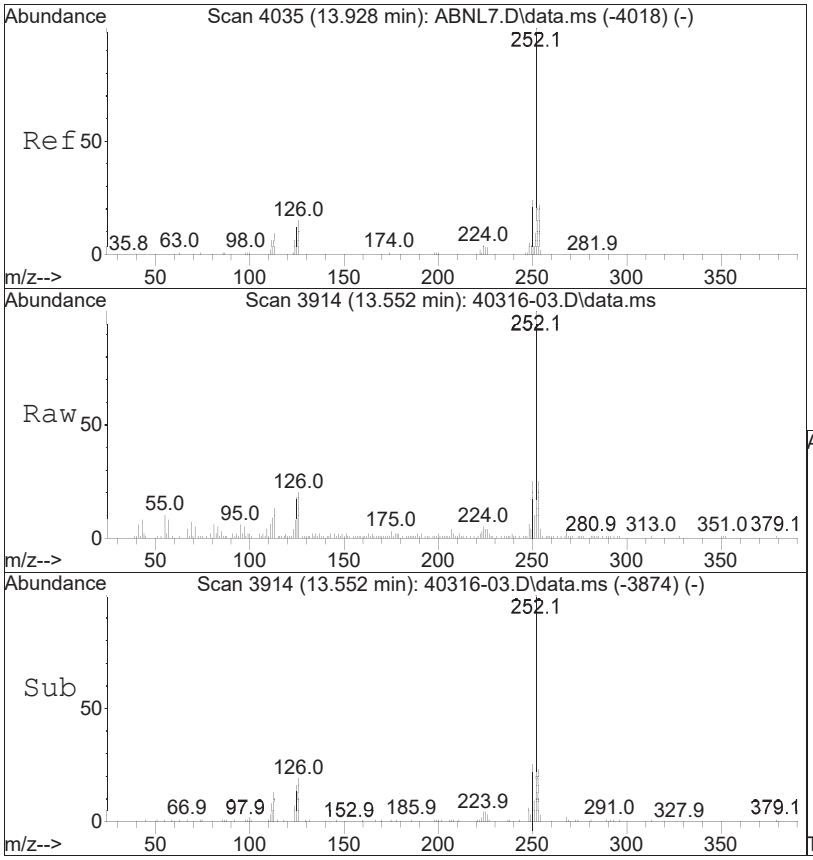


#111
Benzo(k)fluoranthene
Concen: 1.77 ug/ml M1
RT: 13.129 min Scan# 3778
Delta R.T. 0.006 min
Lab File: 40316-03.D
Acq: 28 Sep 2020 4:35 pm

Tgt Ion:252 Resp: 22393

Ion	Ratio	Lower	Upper
252	100		
125	0.0	11.0	16.6#
253	18.8	17.4	26.0

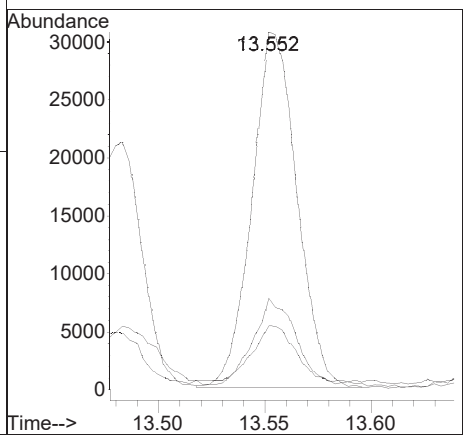


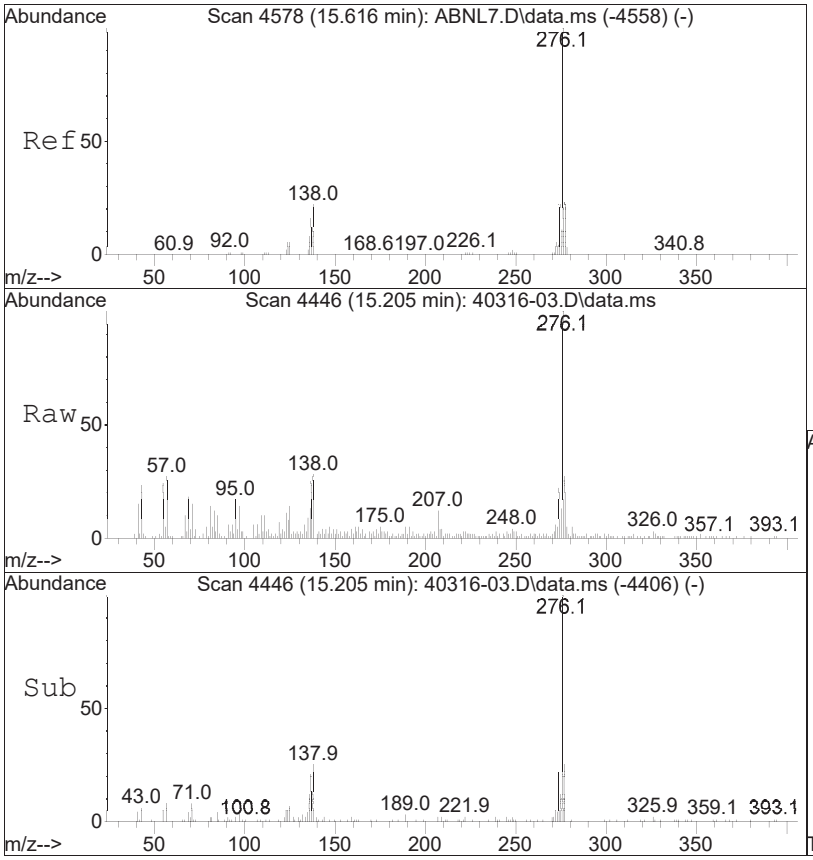


#112
Benzo(a)pyrene
Concen: 4.07 ug/ml
RT: 13.552 min Scan# 3914
Delta R.T. -0.000 min
Lab File: 40316-03.D
Acq: 28 Sep 2020 4:35 pm

Tgt Ion:252 Resp: 44870

Ion	Ratio	Lower	Upper
252	100		
125	16.7	12.4	18.6
253	22.6	17.6	26.4

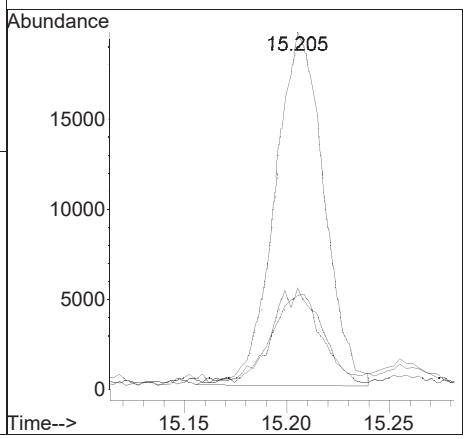


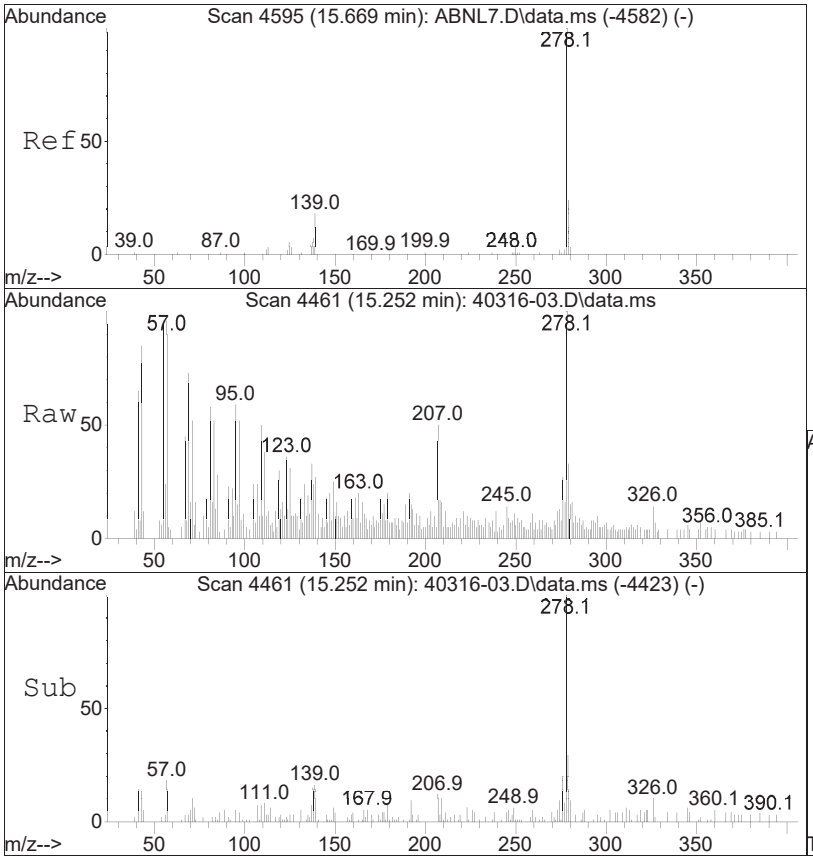


#114
Indeno(1,2,3-cd)pyrene
Concen: 2.72 ug/ml
RT: 15.205 min Scan# 4446
Delta R.T. -0.000 min
Lab File: 40316-03.D
Acq: 28 Sep 2020 4:35 pm

Tgt Ion:276 Resp: 32232

Ion	Ratio	Lower	Upper
276	100		
138	12.5	21.0	31.6#
277	24.9	19.1	28.7

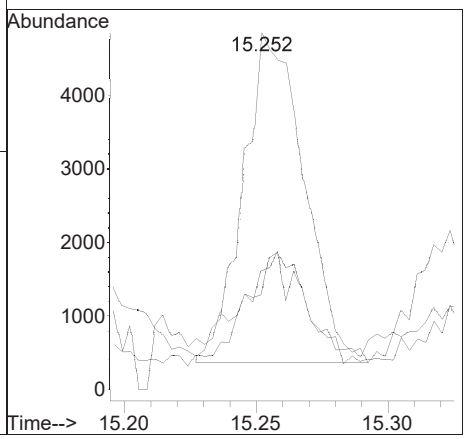


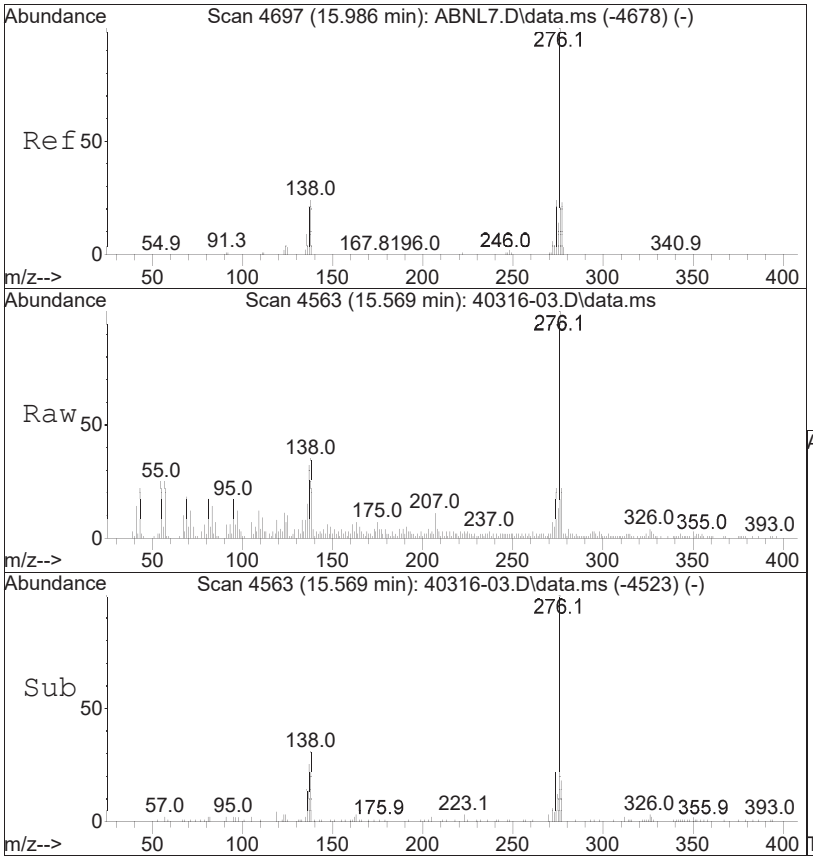


#115
Dibenzo(a,h)anthracene
Concen: 0.56 ug/ml
RT: 15.252 min Scan# 4461
Delta R.T. -0.006 min
Lab File: 40316-03.D
Acq: 28 Sep 2020 4:35 pm

Tgt Ion:278 Resp: 7188

Ion	Ratio	Lower	Upper
278	100		
139	31.5	16.9	25.3#
279	34.1	19.2	28.8#

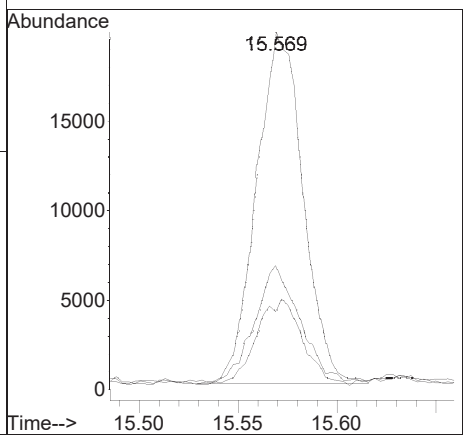




#116
Benzo(ghi)perylene
Concen: 2.43 ug/ml
RT: 15.569 min Scan# 4563
Delta R.T. -0.000 min
Lab File: 40316-03.D
Acq: 28 Sep 2020 4:35 pm

Tgt Ion:276 Resp: 32020

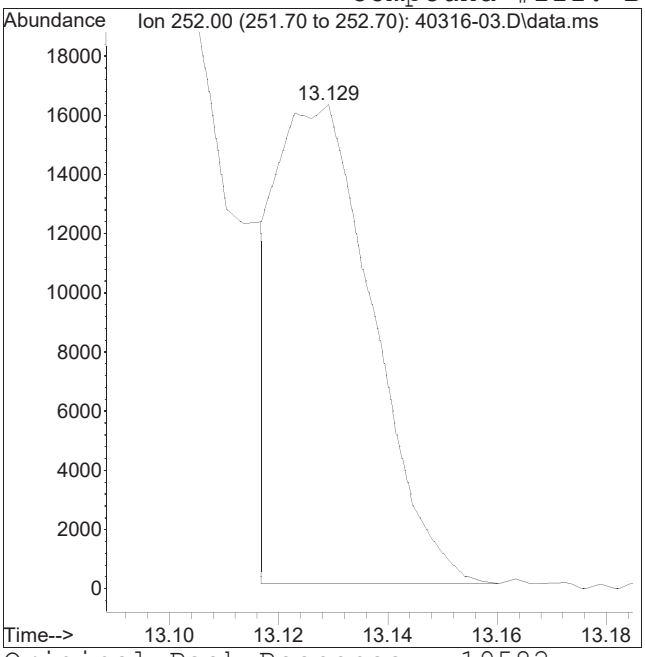
Ion	Ratio	Lower	Upper
276	100		
138	32.4	22.9	34.3
277	24.6	18.9	28.3



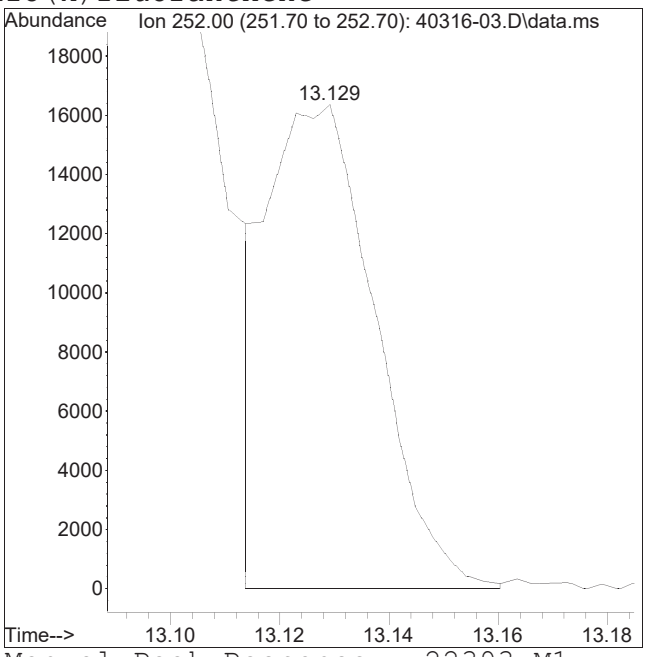
Manual Integration Report

Data Path	: I:\8270\SV109\200928\	QMethod	: FS200911SV109.m
Data File	: 40316-03.D	Operator	: SV109:im
Date Inj'd	: 9/28/2020 4:35 pm	Instrument	: SV109
Sample	: L2040316-03,32,,AM	Quant Date	: 9/28/2020 4:55 pm

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 19582



Manual Peak Response = 22393 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

LSC Area Percent Report

Data Path : I:\8270\SV109\200928\
Data File : 40316-03.D
Acq On : 28 Sep 2020 4:35 pm
Operator : SV109:im
Sample : L2040316-03,32,,AM
Misc : WG1415319,WG1415071,ICAL17119
ALS Vial : 21 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 2000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : i:\8270\sv109\200928\FS200911SV109.m
Title : Semivolatiles by GC/MS by modified 8270

Signal : TIC: 40316-03.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.347	302	309	316	rBV	32949	31683	2.17%	0.291%
2	2.406	321	328	335	rBV	14366	16472	1.13%	0.152%
3	2.683	408	417	424	rBV	24218	22627	1.55%	0.208%
4	2.845	466	469	479	rVB	18432	17402	1.19%	0.160%
5	3.196	575	582	592	rVB	510112	457315	31.39%	4.207%
6	4.172	890	896	907	rVB	602282	467282	32.07%	4.299%
7	4.476	987	994	1003	rVB	851069	668771	45.90%	6.152%
8	5.026	1165	1171	1178	rBV	285696	222719	15.29%	2.049%
9	5.720	1387	1394	1407	rVB	1231902	949860	65.19%	8.738%
10	6.792	1733	1739	1746	rVB	625358	470614	32.30%	4.329%
11	7.423	1934	1942	1948	rBV	1420834	1130236	77.57%	10.398%
12	8.187	2181	2188	2197	rBV	594340	466092	31.99%	4.288%
13	8.852	2392	2402	2407	rBV	1497900	1248584	85.70%	11.487%
14	8.874	2407	2409	2415	rVV	150735	98020	6.73%	0.902%
15	8.921	2415	2424	2430	rVB2	33705	35962	2.47%	0.331%
16	9.347	2556	2561	2566	rBV2	20513	18723	1.29%	0.172%
17	9.375	2566	2570	2578	rVB	30834	26058	1.79%	0.240%
18	9.449	2588	2594	2598	rBV4	31515	30045	2.06%	0.276%
19	9.477	2599	2603	2610	rVB5	38692	35794	2.46%	0.329%
20	9.651	2652	2659	2671	rBV3	29016	35705	2.45%	0.328%
21	9.891	2729	2736	2741	rBV6	20405	23182	1.59%	0.213%
22	10.027	2774	2780	2789	rVB	292492	258492	17.74%	2.378%
23	10.239	2841	2848	2858	rBV	302751	274116	18.81%	2.522%
24	10.397	2895	2899	2905	rVB2	19424	16964	1.16%	0.156%
25	10.434	2905	2911	2922	rVV	566060	492422	33.80%	4.530%
26	10.481	2922	2926	2933	rVB3	14882	16459	1.13%	0.151%
27	10.590	2958	2961	2969	rVB2	22695	19265	1.32%	0.177%
28	10.661	2979	2984	2990	rBV5	16047	17798	1.22%	0.164%

LSC Area Percent Report

Data Path : I:\8270\SV109\200928\
Data File : 40316-03.D
Acq On : 28 Sep 2020 4:35 pm
Operator : SV109:im
Sample : L2040316-03,32,,AM
Misc : WG1415319,WG1415071,ICAL17119
ALS Vial : 21 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 2000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : i:\8270\sv109\200928\FS200911SV109.m
Title : Semivolatiles by GC/MS by modified 8270

29	10.696	2990	2995	3000	rBV3	18448	21879	1.50%	0.201%
30	10.792	3023	3026	3032	rVB3	18061	16497	1.13%	0.152%
31	11.156	3130	3143	3149	rBV4	27200	46157	3.17%	0.425%
32	11.286	3178	3185	3192	rBV2	27504	33130	2.27%	0.305%
33	11.330	3194	3199	3201	rBV4	18214	15774	1.08%	0.145%
34	11.410	3221	3225	3232	rVB	22494	21699	1.49%	0.200%
35	11.609	3278	3289	3296	rBV2	1187782	1457004	100.00%	13.404%
36	11.737	3325	3330	3335	rBV6	21780	23058	1.58%	0.212%
37	13.089	3757	3765	3774	rBV2	91168	158955	10.91%	1.462%
38	13.555	3908	3915	3923	rVB	79164	106301	7.30%	0.978%
39	13.648	3934	3945	3954	rBV2	947933	1400839	96.15%	12.887%

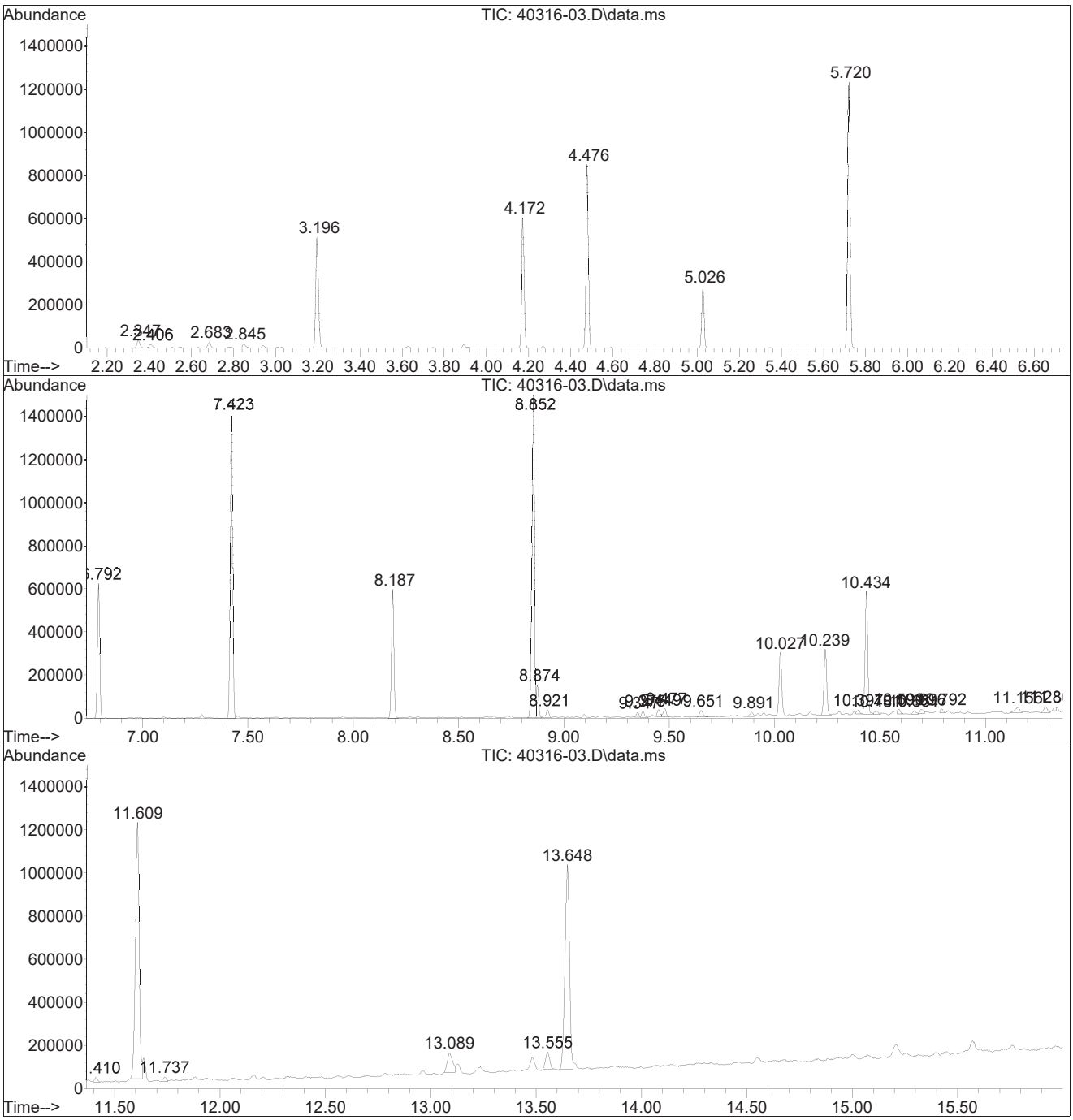
Sum of corrected areas: 10869955

LSC Report - Integrated Chromatogram

Data Path : I:\8270\SV109\200928\
Data File : 40316-03.D
Acq On : 28 Sep 2020 4:35 pm
Operator : SV109:im
Sample : L2040316-03,32,,AM
Misc : WG1415319,WG1415071,ICAL17119
ALS Vial : 21 Sample Multiplier: 1

Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : I:\8270\SV109\200928\
Data File : 40316-03.D
Acq On : 28 Sep 2020 4:35 pm
Operator : SV109:im
Sample : L2040316-03,32,,AM
Misc : WG1415319,WG1415071,ICAL17119
ALS Vial : 21 Sample Multiplier: 1

Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : I:\8270\SV109\200928\
Data File : 40316-03.D
Acq On : 28 Sep 2020 4:35 pm
Operator : SV109:im
Sample : L2040316-03,32,,AM
Misc : WG1415319,WG1415071,ICAL17119
ALS Vial : 21 Sample Multiplier: 1

Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

						--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200928\
Data File : 316-04d1.D
Acq On : 28 Sep 2020 5:01 pm
Operator : SV109:im
Sample : L2040316-04D,32,10,AM
Misc : WG1415319,WG1415071,ICAL17119
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 30 12:06:38 2020
Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 28 17:21:29 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - i:\8270\sv109\200928\ABN0928.D
: 2 - i:\8270\sv109\200928\ADP0928.D
: 3 - i:\8270\sv109\200928\AP90928.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.476	152	114102	40.000	ug/ml	0.00
Standard Area 1 = 115335			Recovery = 98.93%			
27) IS2_1,4-Dichlorobenzen...	4.476	152	114102	40.000	ug/ml	0.00
Standard Area 3 = 121282			Recovery = 94.08%			
32) IS3_1,4-Dichlorobenzen...	4.476	152	114102	40.000	ug/ml	0.00
Standard Area 2 = 112877			Recovery = 101.09%			
35) IS1_Naphthalene-d8	5.719	136	481562	40.000	ug/ml	0.00
Standard Area 1 = 495156			Recovery = 97.25%			
55) IS2_Naphthalene-d8	5.719	136	481562	40.000	ug/ml	0.00
Standard Area 3 = 514931			Recovery = 93.52%			
63) IS1_Acenaphthene-d10	7.423	164	265904	40.000	ug/ml	0.00
Standard Area 1 = 271698			Recovery = 97.87%			
83) IS2_Acenaphthene-d10	7.423	164	265904	40.000	ug/ml	0.00
Standard Area 3 = 286952			Recovery = 92.66%			
86) IS3_Acenaphthene-d10	7.423	164	265904	40.000	ug/ml	0.00
Standard Area 2 = 255350			Recovery = 104.13%			
88) IS1_Phenanthrene-d10	8.852	188	515717	40.000	ug/ml	0.00
Standard Area 1 = 526664			Recovery = 97.92%			
100) IS3_Phenanthrene-d10	8.852	188	515717	40.000	ug/ml	0.00
Standard Area 2 = 498171			Recovery = 103.52%			
104) IS1_Chrysene-d12	11.612	240	451776	40.000	ug/ml	0.00
Standard Area 1 = 490009			Recovery = 92.20%			
113) IS1_Perylene-d12	13.654	264	472735	40.000	ug/ml	0.02
Standard Area 1 = 512914			Recovery = 92.17%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.196	112	8945	2.623	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 5.25%#			
7) Phenol-d6	4.172	99	12073	2.851	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 5.70%#			
19) Nitrobenzene-d5	5.026	82	5322	1.410	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 5.64%#			
46) 2-Fluorobiphenyl	6.792	172	11350	1.222	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 4.89%#			
79) 2,4,6-Tribromophenol	8.187	330	4084	3.020	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 6.04%#			

Data Path : I:\8270\SV109\200928\
Data File : 316-04d1.D
Acq On : 28 Sep 2020 5:01 pm
Operator : SV109:im
Sample : L2040316-04D,32,10,AM
Misc : WG1415319,WG1415071,ICAL17119
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 30 12:06:38 2020
Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 28 17:21:29 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - i:\8270\sv109\200928\ABN0928.D
: 2 - i:\8270\sv109\200928\ADP0928.D
: 3 - i:\8270\sv109\200928\AP90928.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	10.437	244	13934	1.221	ug/ml	0.00

Spiked Amount 25.000 Range 40 - 140 Recovery = 4.88%#

Target Compounds					Qvalue
6) 2-Chlorophenol	0.000		0	N.D.	
8) Phenol	0.000		0	N.D.	
9) Bis(2-chloroethyl)ether	0.000		0	N.D.	
10) 1,3-Dichlorobenzene	0.000		0	N.D.	
11) 1,4-Dichlorobenzene	0.000		0	N.D.	
12) 1,2-Dichlorobenzene	0.000		0	N.D.	
13) Benzyl alcohol	0.000		0	N.D.	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.	
15) 2-Methylphenol	0.000		0	N.D.	
16) Hexachloroethane	0.000		0	N.D.	
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.	
20) Nitrobenzene	0.000		0	N.D.	
21) Isophorone	0.000		0	N.D.	
22) 2-Nitrophenol	0.000		0	N.D.	
23) 2,4-Dimethylphenol	0.000		0	N.D.	
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.	
25) 2,4-Dichlorophenol	0.000		0	N.D.	
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.	
29) Acetophenone	0.000		0	N.D.	
33) 1,4-Dioxane	0.000		0	N.D.	
36) Naphthalene	5.738	128	10331	0.824 ug/ml#	68
37) Benzoic Acid	0.000		0	N.D.	
38) 4-Chloroaniline	0.000		0	N.D.	
39) Hexachlorobutadiene	0.000		0	N.D.	
40) p-Chloro-m-cresol	0.000		0	N.D.	
41) 2-Methylnaphthalene	6.422	142	4363	0.524 ug/ml#	83
43) Hexachlorocyclopentadiene	0.000		0	N.D.	
44) 2,4,6-Trichlorophenol	0.000		0	N.D.	
45) 2,4,5-Trichlorophenol	0.000		0	N.D.	
47) 2-Chloronaphthalene	0.000		0	N.D.	
48) 2-Nitroaniline	0.000		0	N.D.	
51) Dimethyl phthalate	0.000		0	N.D.	

Data Path : I:\8270\SV109\200928\
Data File : 316-04d1.D
Acq On : 28 Sep 2020 5:01 pm
Operator : SV109:im
Sample : L2040316-04D,32,10,AM
Misc : WG1415319,WG1415071,ICAL17119
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 30 12:06:38 2020
Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 28 17:21:29 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - i:\8270\sv109\200928\ABN0928.D
: 2 - i:\8270\sv109\200928\ADP0928.D
: 3 - i:\8270\sv109\200928\AP90928.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthylene	7.283	152	33593	2.587	ug/ml	98
53) 2,6-Dinitrotoluene	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
65) Acenaphthene	7.454	154	14774	1.917	ug/ml	96
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	7.625	168	11897	1.004	ug/ml	99
68) 2,4-Dinitrotoluene	0.000		0	N.D.		
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
73) Fluorene	7.954	166	21451	2.346	ug/ml	96
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
81) Hexachlorobenzene	0.000		0	N.D.		
82) Pentachlorophenol	0.000		0	N.D.		
89) Phenanthrene	8.874	178	369800	26.342	ug/ml	99
90) Anthracene	8.924	178	101344	7.345	ug/ml	96
91) Carbazole	9.095	167	33777	2.665	ug/ml	97
92) Di-n-butylphthalate	0.000		0	N.D. d		
93) Fluoranthene	10.030	202	543849	36.997	ug/ml	100
95) Pyrene	10.242	202	510797	32.618	ug/ml#	96
97) Butyl benzyl phthalate	0.000		0	N.D.		
105) Benzo(a)anthracene	11.603	228	250353	17.993	ug/ml	97
106) 3,3'-Dichlorobenzidine	0.000		0	N.D. d		
107) Chrysene	11.643	228	232057	16.599	ug/ml	99
108) Bis(2-ethylhexyl)phtha...	11.774	149	15807	3.127	ug/ml#	92
109) Di-n-octylphthalate	0.000		0	N.D. d		
110) Benzo(b)fluoranthene	13.098	252	289026	21.664	ug/ml	98
111) Benzo(k)fluoranthene	13.132	252	86738	6.742	ug/ml#	85
112) Benzo(a)pyrene	13.564	252	221572	19.823	ug/ml	98
114) Indeno(1,2,3-cd)pyrene	15.218	276	143101	11.907	ug/ml	99
115) Dibenzo(a,h)anthracene	15.264	278	34906	2.669	ug/ml#	76
116) Benzo(ghi)perylene	15.581	276	150858	11.296	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200928\
Data File : 316-04d1.D
Acq On : 28 Sep 2020 5:01 pm
Operator : SV109:im
Sample : L2040316-04D,32,10,AM
Misc : WG1415319,WG1415071,ICAL17119
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 30 12:06:38 2020
Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 28 17:21:29 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - i:\8270\sv109\200928\ABN0928.D
: 2 - i:\8270\sv109\200928\ADP0928.D
: 3 - i:\8270\sv109\200928\AP90928.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

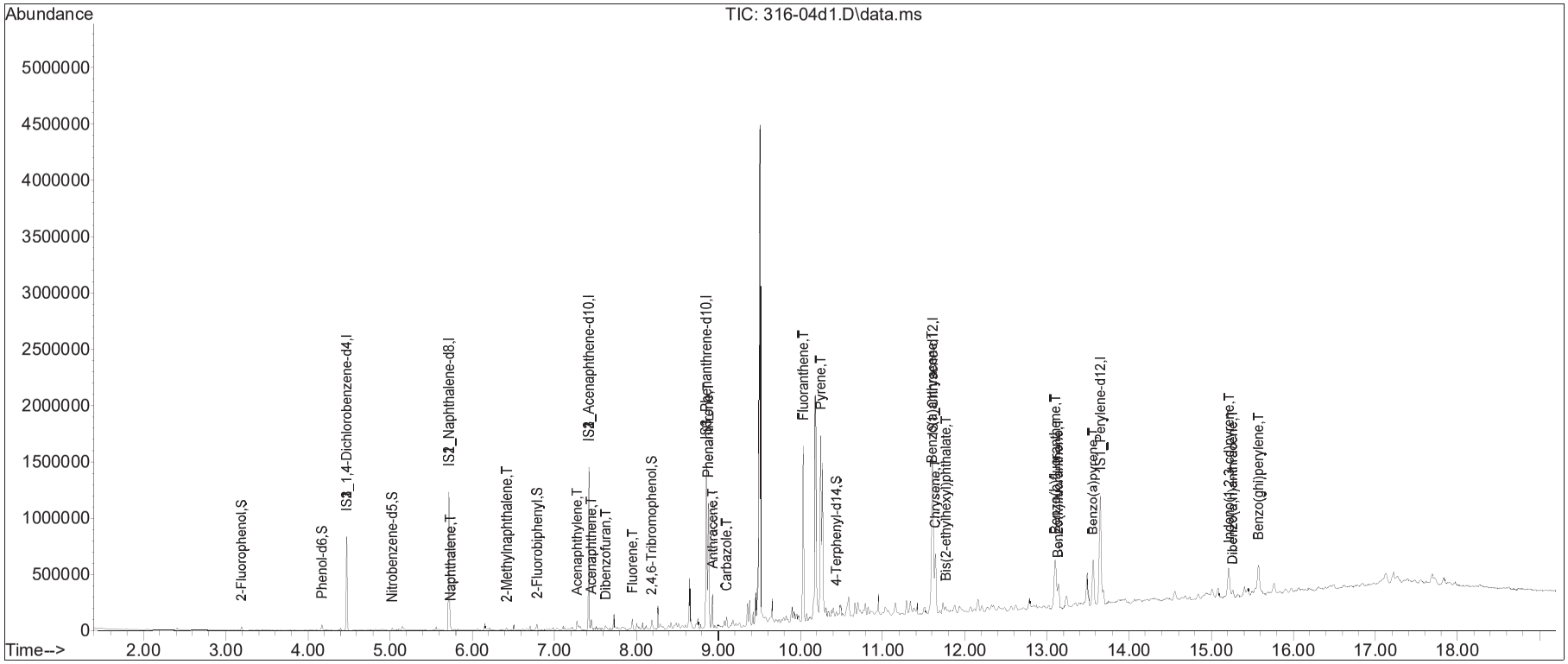
(#) = qualifier out of range (m) = manual integration (+) = signals summed

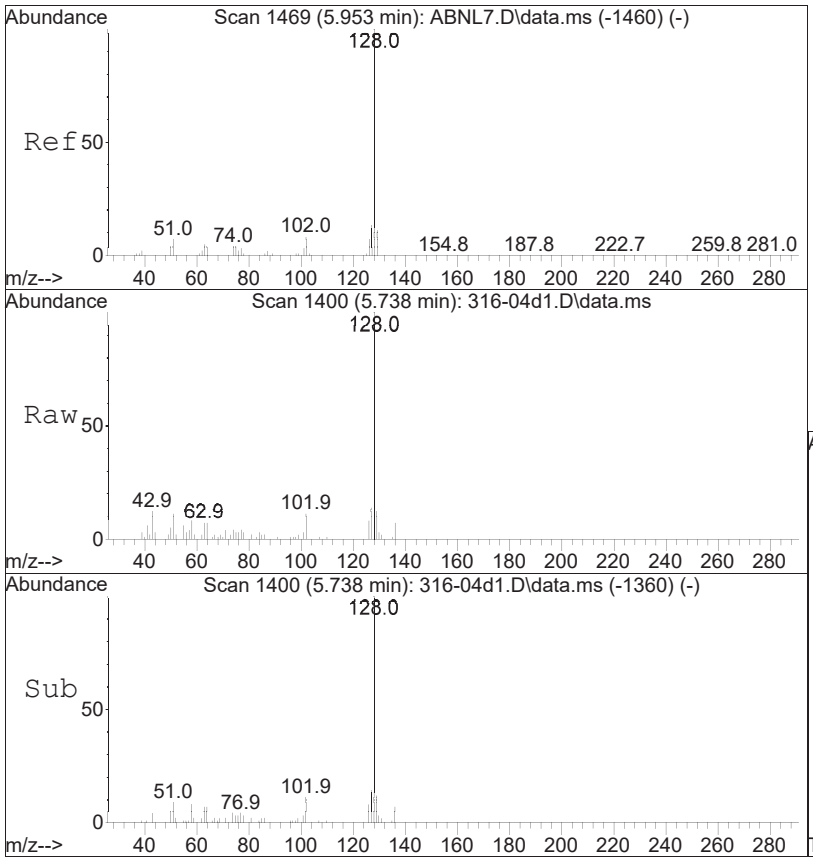
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200928\
Data File : 316-04d1.D
Acq On : 28 Sep 2020 5:01 pm
Operator : SV109:im
Sample : L2040316-04D,32,10,AM
Misc : WG1415319,WG1415071,ICAL17119
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 30 12:06:38 2020
Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 28 17:21:29 2020
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MA\AP90928.D•

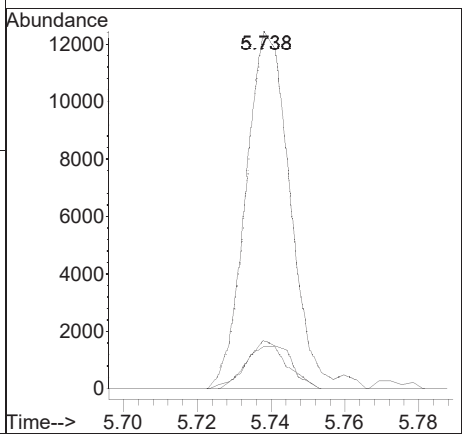


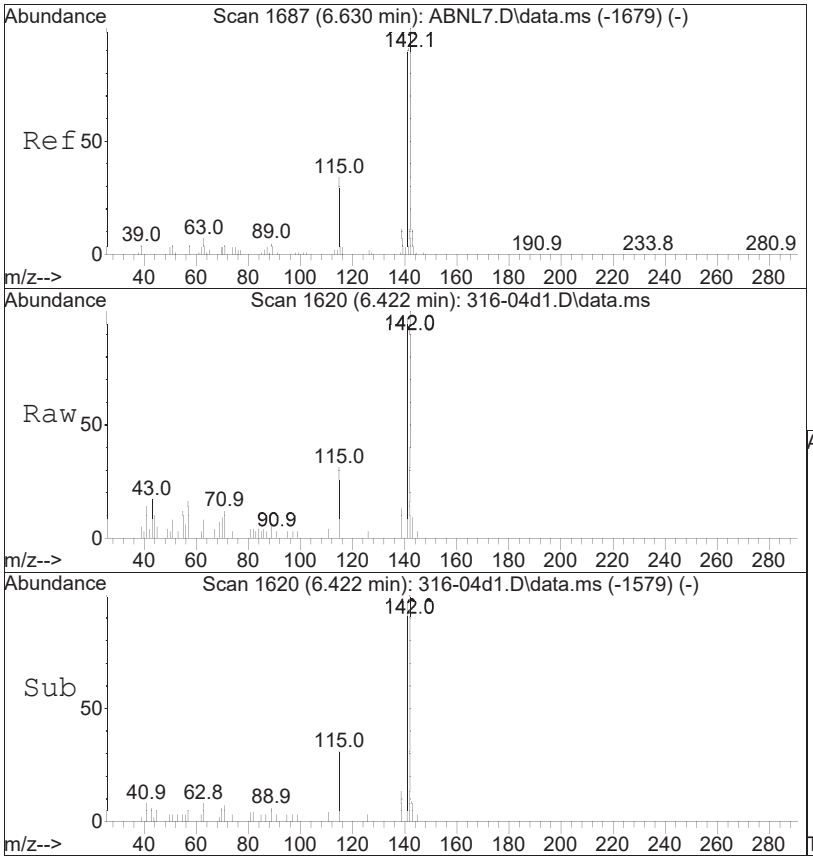


#36
Naphthalene
Concen: 0.82 ug/ml
RT: 5.738 min Scan# 1400
Delta R.T. -0.000 min
Lab File: 316-04d1.D
Acq: 28 Sep 2020 5:01 pm

Tgt Ion:128 Resp: 10331

Ion	Ratio	Lower	Upper
128	100		
129	0.0	8.9	13.3#
127	0.0	10.9	16.3#

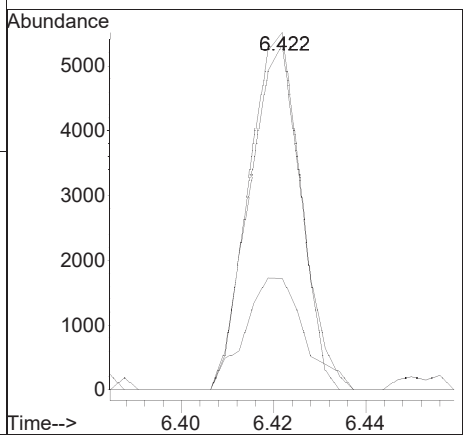


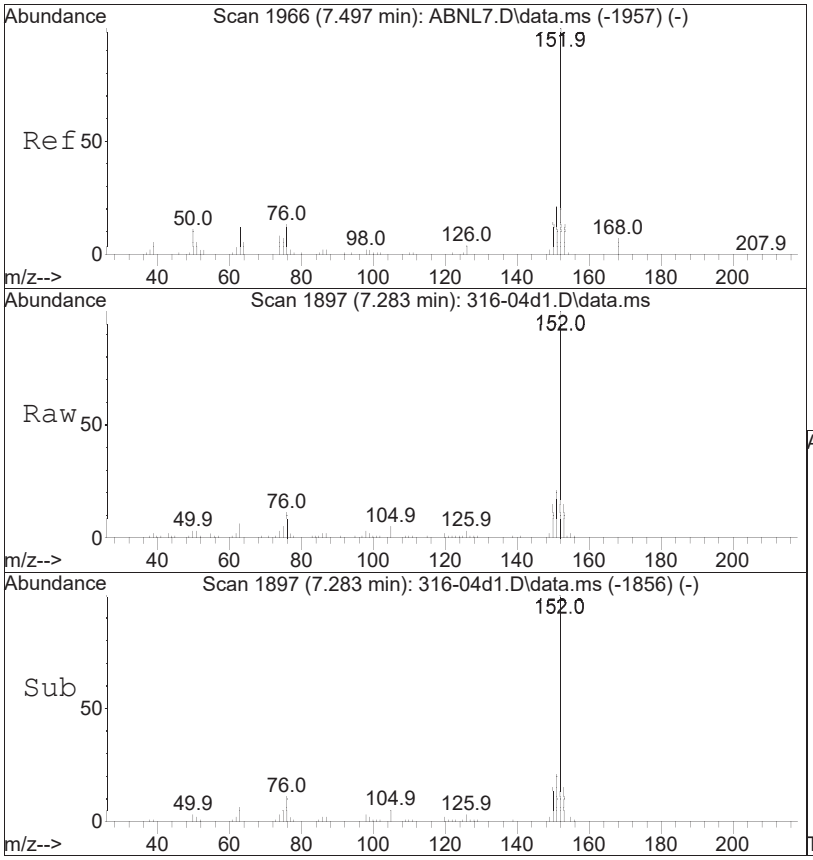


#41
2-Methylnaphthalene
Concen: 0.52 ug/ml
RT: 6.422 min Scan# 1620
Delta R.T. 0.003 min
Lab File: 316-04d1.D
Acq: 28 Sep 2020 5:01 pm

Tgt Ion:142 Resp: 4363

Ion	Ratio	Lower	Upper
142	100		
141	93.6	73.0	109.6
115	0.0	25.4	38.2#

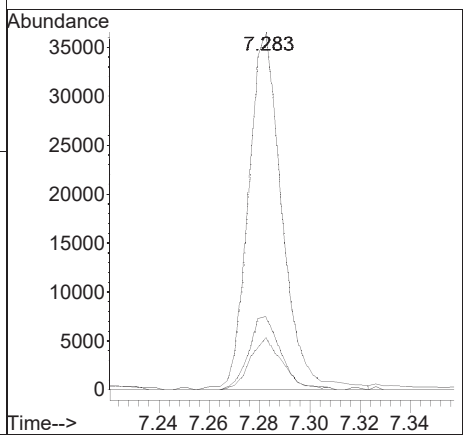


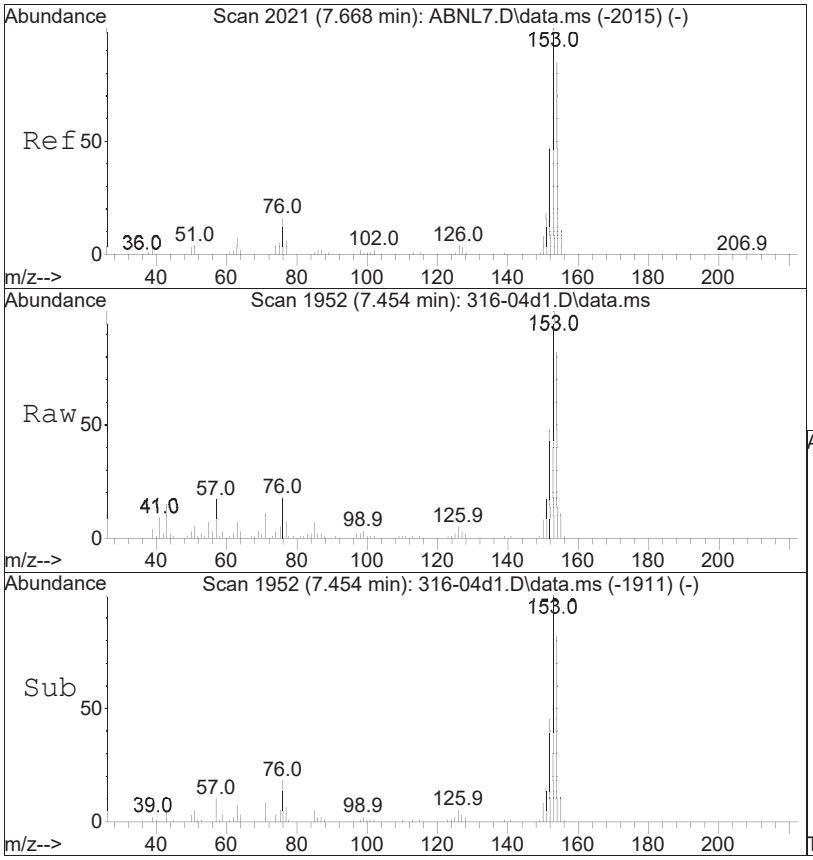


#52
Acenaphthylene
Concen: 2.59 ug/ml
RT: 7.283 min Scan# 1897
Delta R.T. 0.003 min
Lab File: 316-04d1.D
Acq: 28 Sep 2020 5:01 pm

Tgt Ion:152 Resp: 33593

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.6	24.8
153	14.3	10.5	15.7

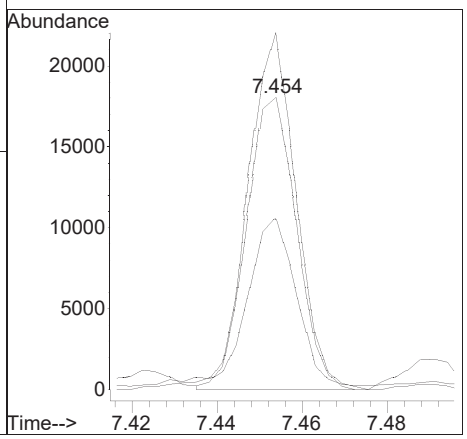


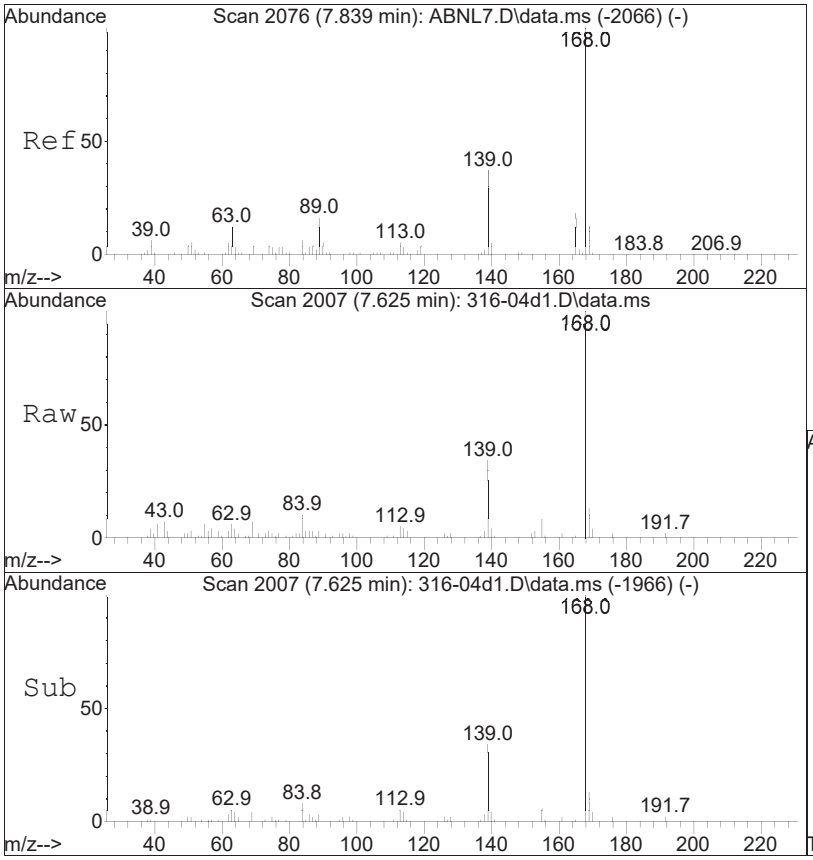


#65
Acenaphthene
Concen: 1.92 ug/ml
RT: 7.454 min Scan# 1952
Delta R.T. 0.003 min
Lab File: 316-04d1.D
Acq: 28 Sep 2020 5:01 pm

Tgt Ion:154 Resp: 14774

Ion	Ratio	Lower	Upper
154	100		
153	118.9	94.2	141.2
152	61.7	44.1	66.1

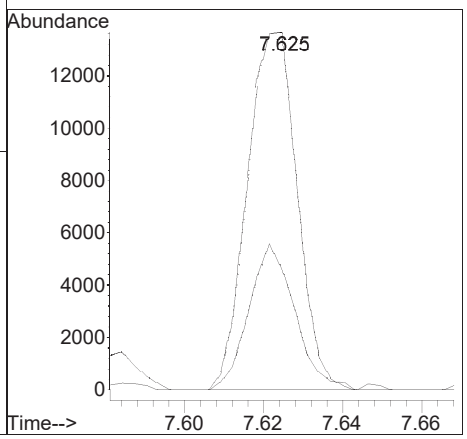


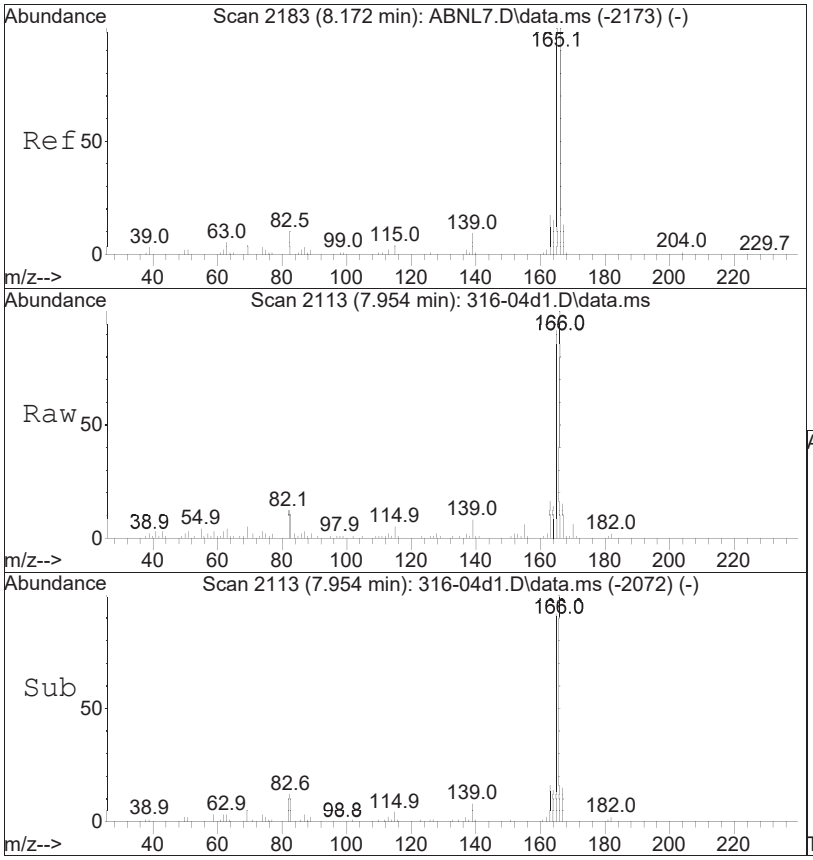


#67
Dibenzofuran
Concen: 1.00 ug/ml
RT: 7.625 min Scan# 2007
Delta R.T. 0.003 min
Lab File: 316-04d1.D
Acq: 28 Sep 2020 5:01 pm

Tgt Ion:168 Resp: 11897

Ion	Ratio	Lower	Upper
168	100		
139	37.7	30.4	45.6

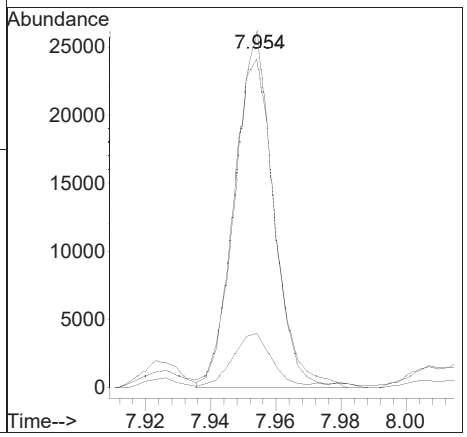


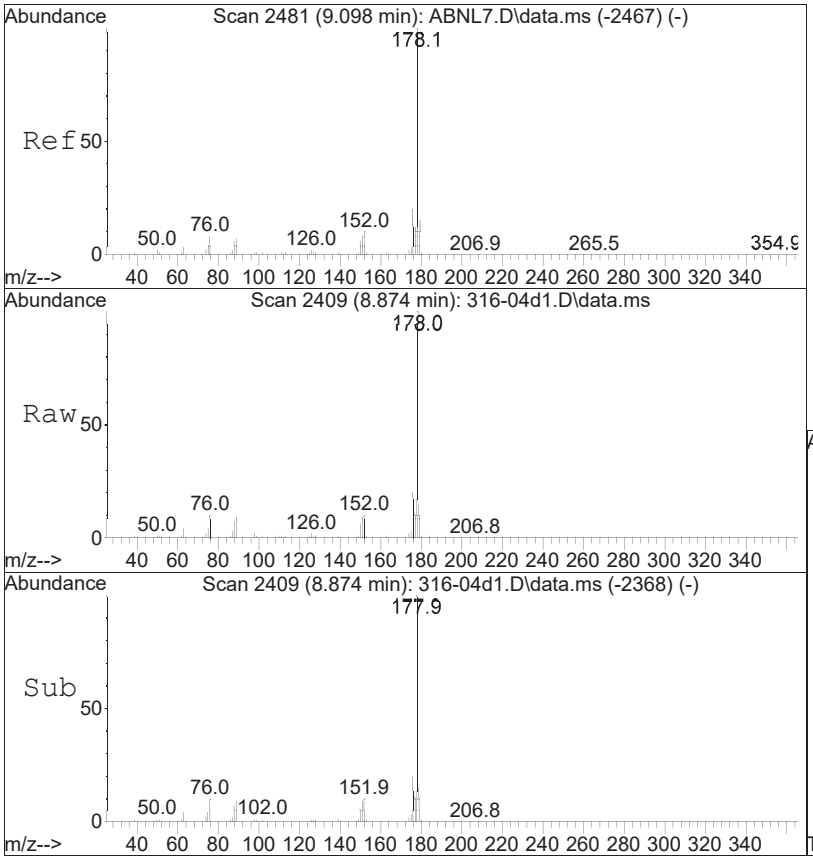


#73
Fluorene
Concen: 2.35 ug/ml
RT: 7.954 min Scan# 2113
Delta R.T. 0.003 min
Lab File: 316-04d1.D
Acq: 28 Sep 2020 5:01 pm

Tgt Ion:166 Resp: 21451

Ion	Ratio	Lower	Upper
166	100		
165	96.3	80.4	120.6
167	14.3	10.7	16.1

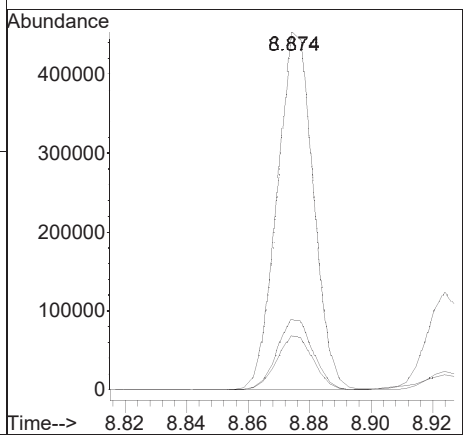


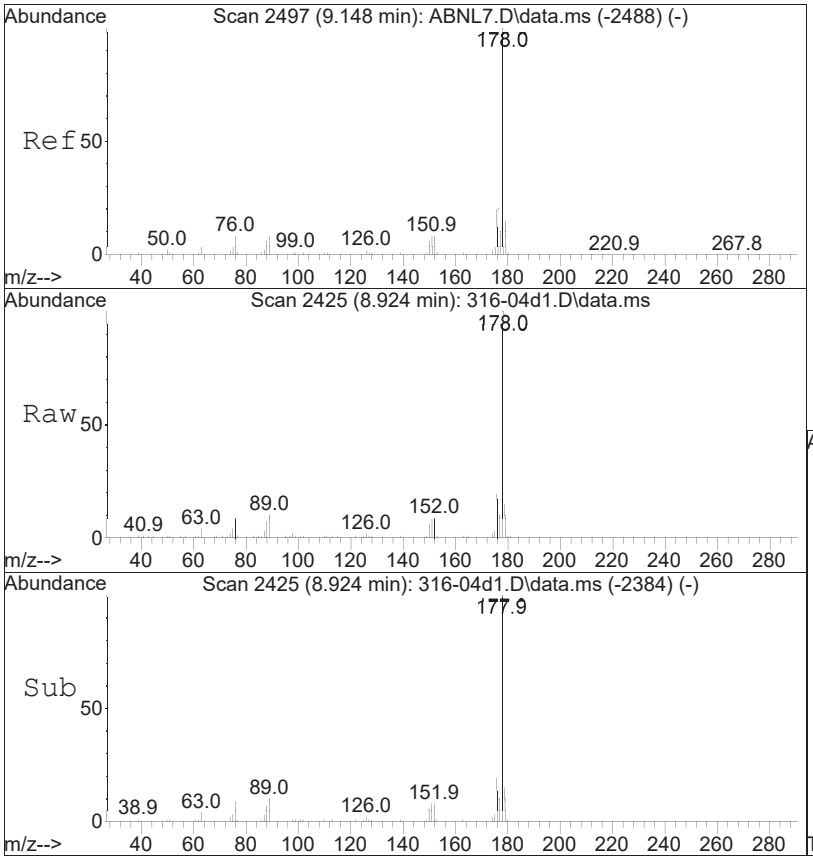


#89
Phenanthrene
Concen: 26.34 ug/ml
RT: 8.874 min Scan# 2409
Delta R.T. 0.003 min
Lab File: 316-04d1.D
Acq: 28 Sep 2020 5:01 pm

Tgt Ion:178 Resp: 369800

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.4
176	19.8	15.5	23.3

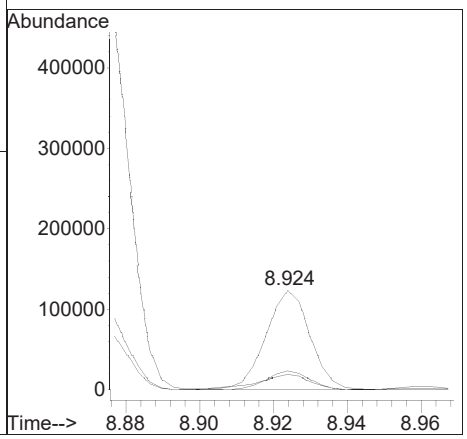


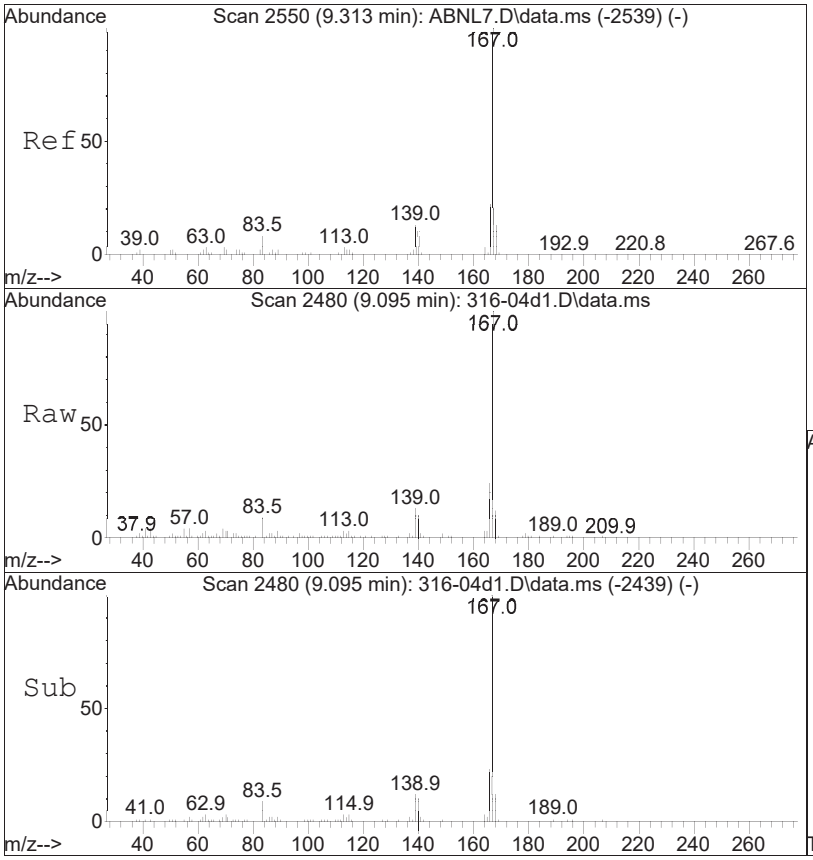


#90
Anthracene
Concen: 7.35 ug/ml
RT: 8.924 min Scan# 2425
Delta R.T. 0.003 min
Lab File: 316-04d1.D
Acq: 28 Sep 2020 5:01 pm

Tgt Ion:178 Resp: 101344

Ion	Ratio	Lower	Upper
178	100		
179	18.4	12.3	18.5
176	19.2	15.0	22.6

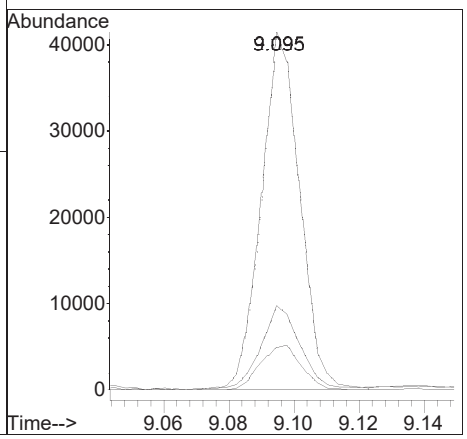


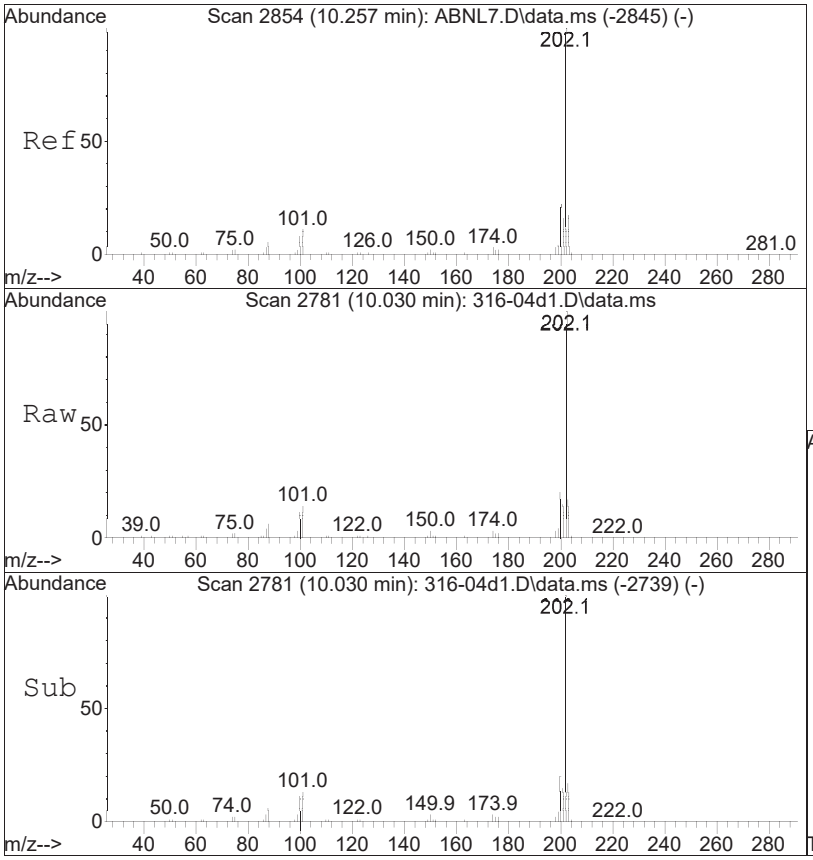


#91
Carbazole
Concen: 2.67 ug/ml
RT: 9.095 min Scan# 2480
Delta R.T. 0.003 min
Lab File: 316-04d1.D
Acq: 28 Sep 2020 5:01 pm

Tgt Ion:167 Resp: 33777

Ion	Ratio	Lower	Upper
167	100		
168	13.5	10.6	16.0
166	24.8	18.0	27.0

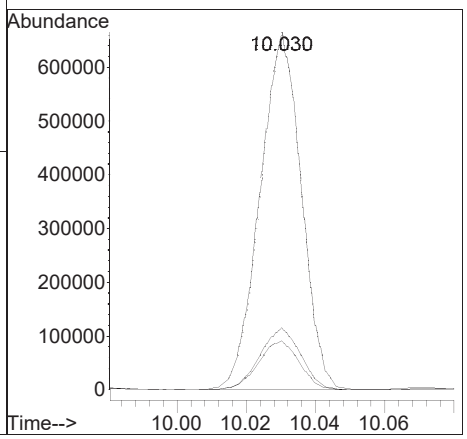


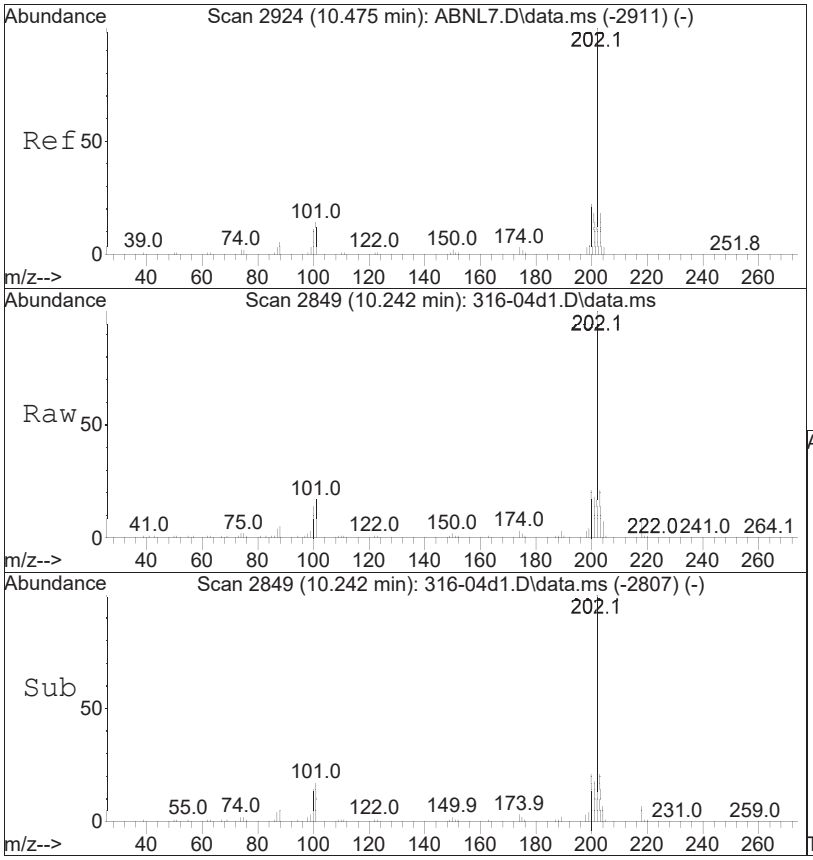


#93
Fluoranthene
Concen: 37.00 ug/ml
RT: 10.030 min Scan# 2781
Delta R.T. 0.006 min
Lab File: 316-04d1.D
Acq: 28 Sep 2020 5:01 pm

Tgt Ion:202 Resp: 543849

Ion	Ratio	Lower	Upper
202	100		
101	13.7	11.2	16.8
203	17.2	13.8	20.6

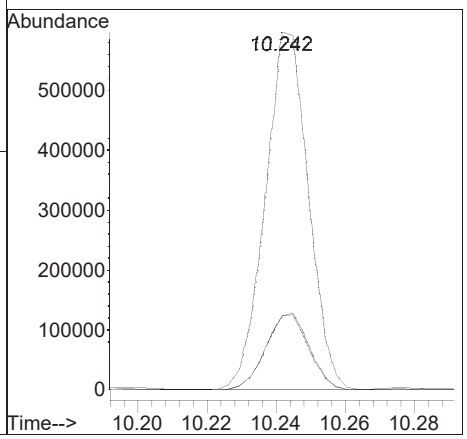


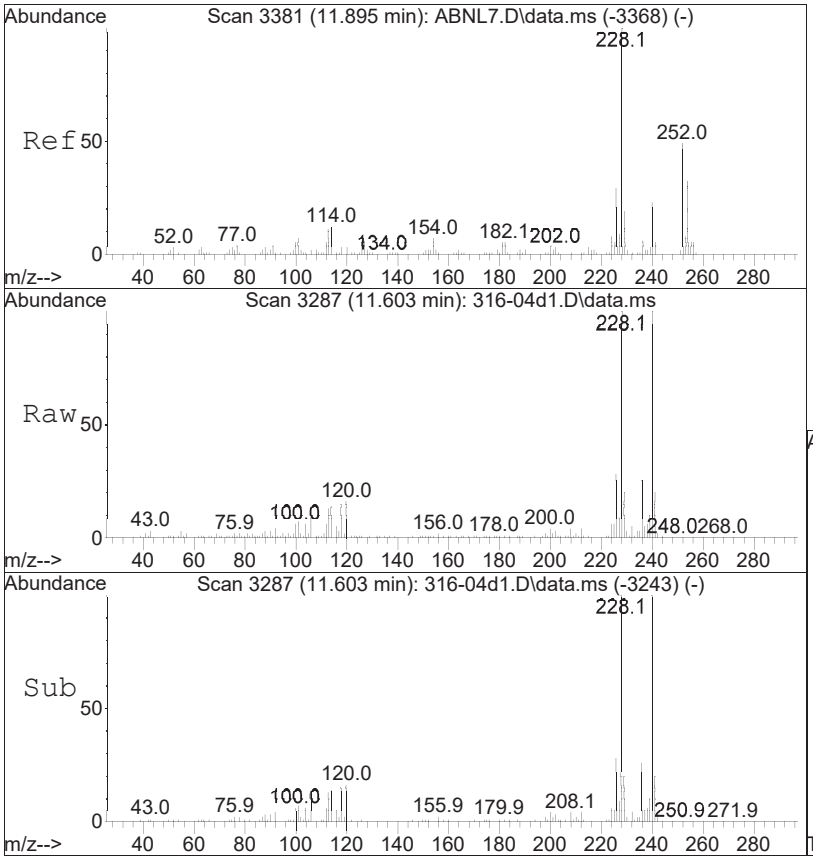


#95
Pyrene
Concen: 32.62 ug/ml
RT: 10.242 min Scan# 2849
Delta R.T. 0.006 min
Lab File: 316-04d1.D
Acq: 28 Sep 2020 5:01 pm

Tgt Ion:202 Resp: 510797

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.4
203	21.6	14.2	21.4#

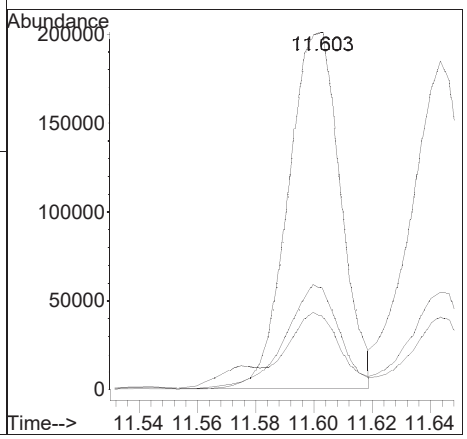


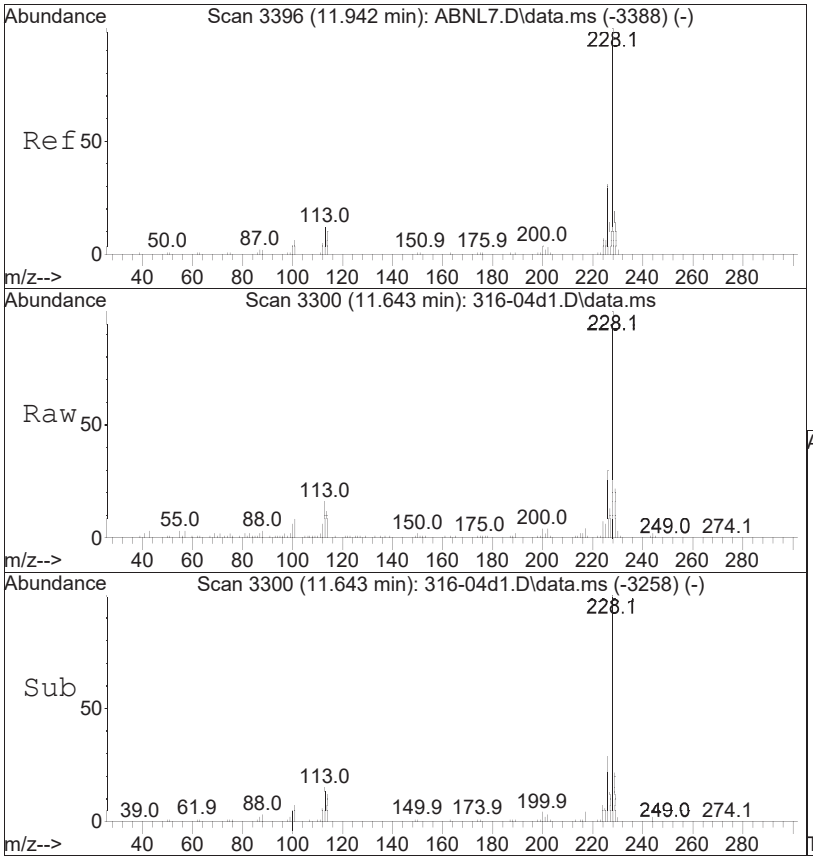


#105
Benzo(a)anthracene
Concen: 17.99 ug/ml
RT: 11.603 min Scan# 3287
Delta R.T. 0.012 min
Lab File: 316-04d1.D
Acq: 28 Sep 2020 5:01 pm

Tgt Ion:228 Resp: 250353

Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.2	33.4
229	20.5	15.6	23.4

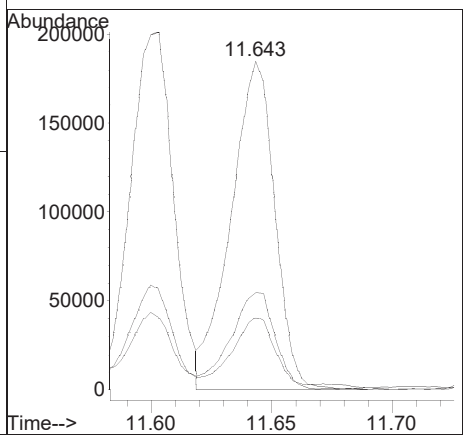


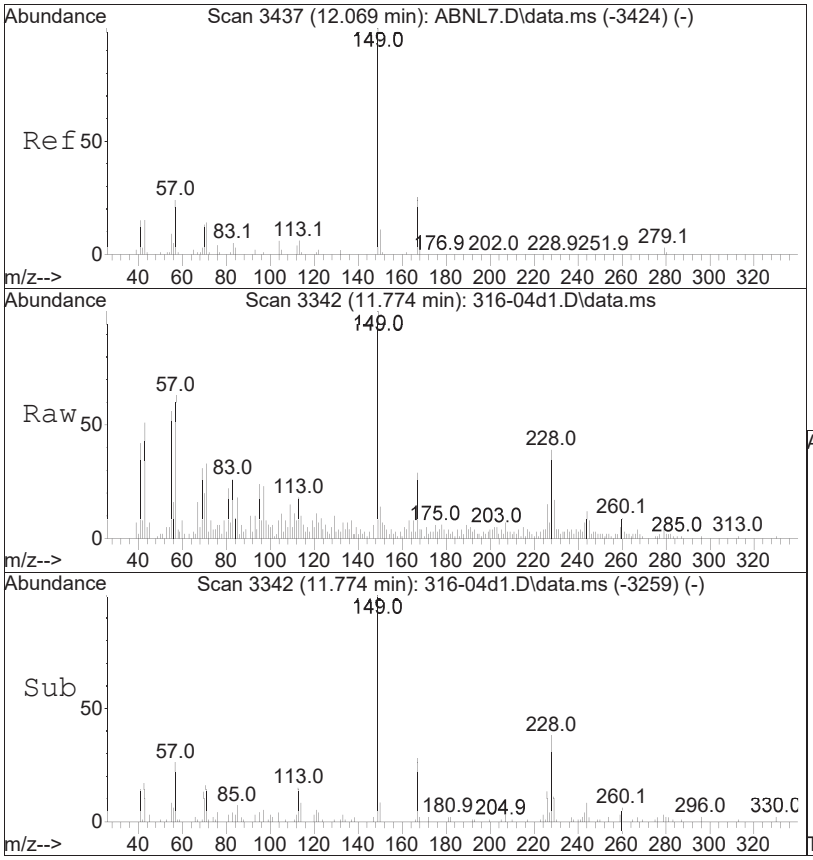


#107
Chrysene
Concen: 16.60 ug/ml
RT: 11.643 min Scan# 3300
Delta R.T. 0.006 min
Lab File: 316-04d1.D
Acq: 28 Sep 2020 5:01 pm

Tgt Ion:228 Resp: 232057

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.3	36.5
229	19.5	15.5	23.3

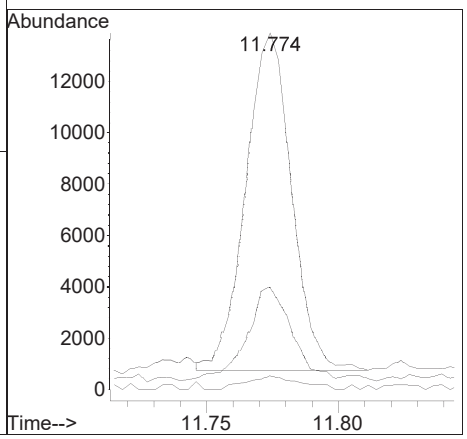


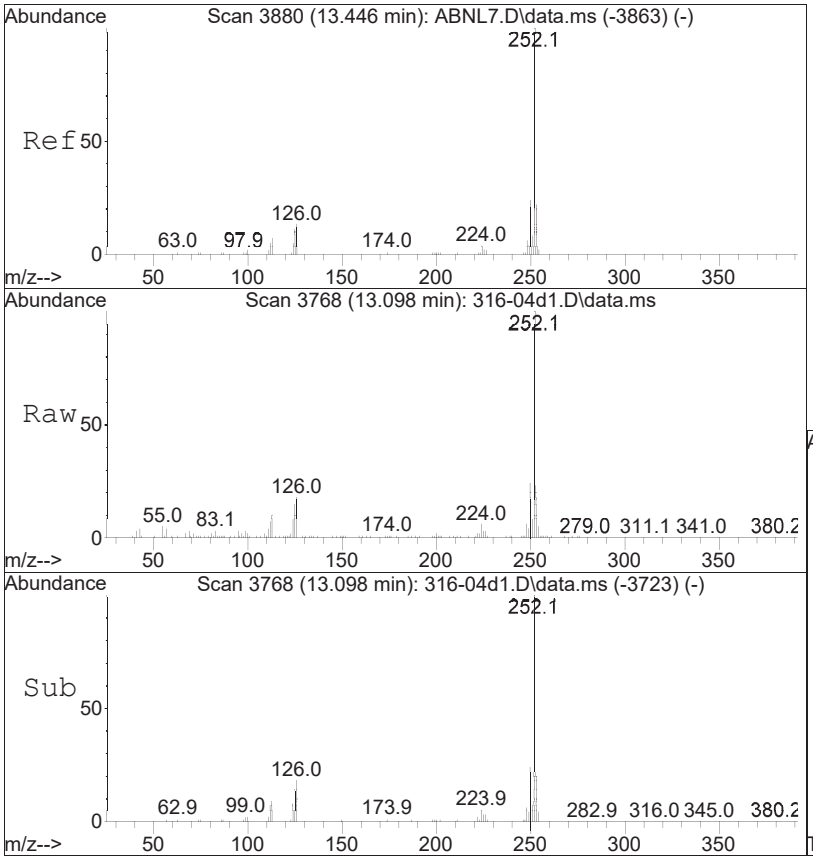


#108
Bis(2-ethylhexyl)phthalate
Concen: 3.13 ug/ml
RT: 11.774 min Scan# 3342
Delta R.T. 0.009 min
Lab File: 316-04d1.D
Acq: 28 Sep 2020 5:01 pm

Tgt Ion:149 Resp: 15807

Ion	Ratio	Lower	Upper
149	100		
167	27.7	19.0	28.6
279	0.0	2.0	3.0#

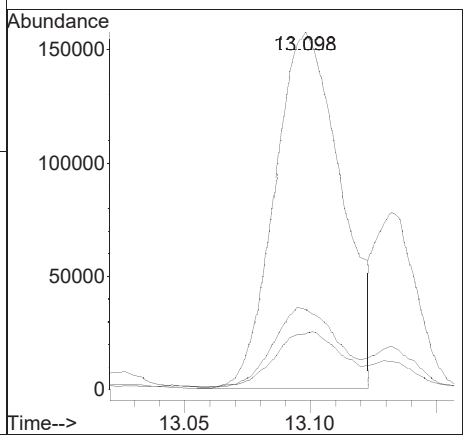


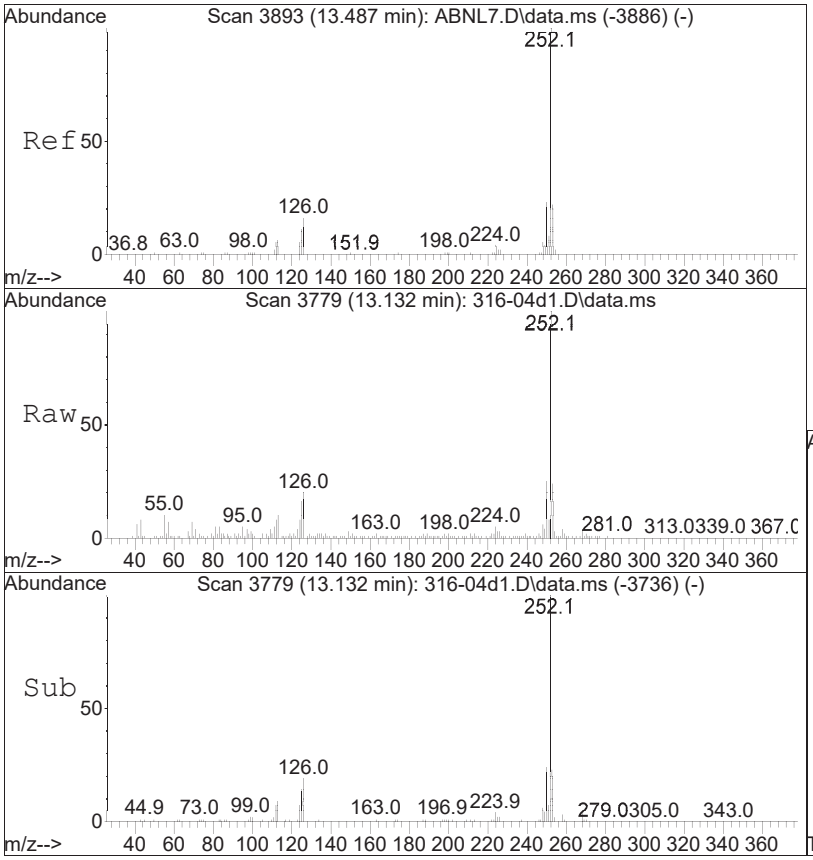


#110
Benzo(b)fluoranthene
Concen: 21.66 ug/ml
RT: 13.098 min Scan# 3768
Delta R.T. 0.015 min
Lab File: 316-04d1.D
Acq: 28 Sep 2020 5:01 pm

Tgt Ion:252 Resp: 289026

Ion	Ratio	Lower	Upper
252	100		
125	15.8	11.4	17.0
253	21.9	17.5	26.3

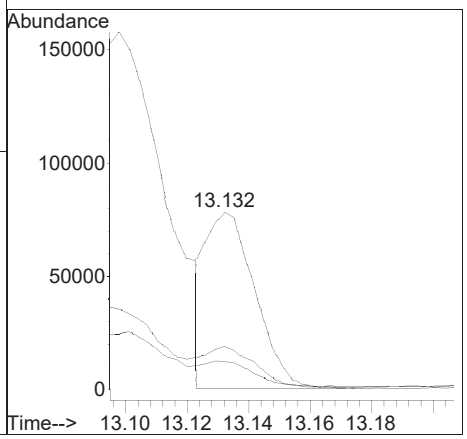


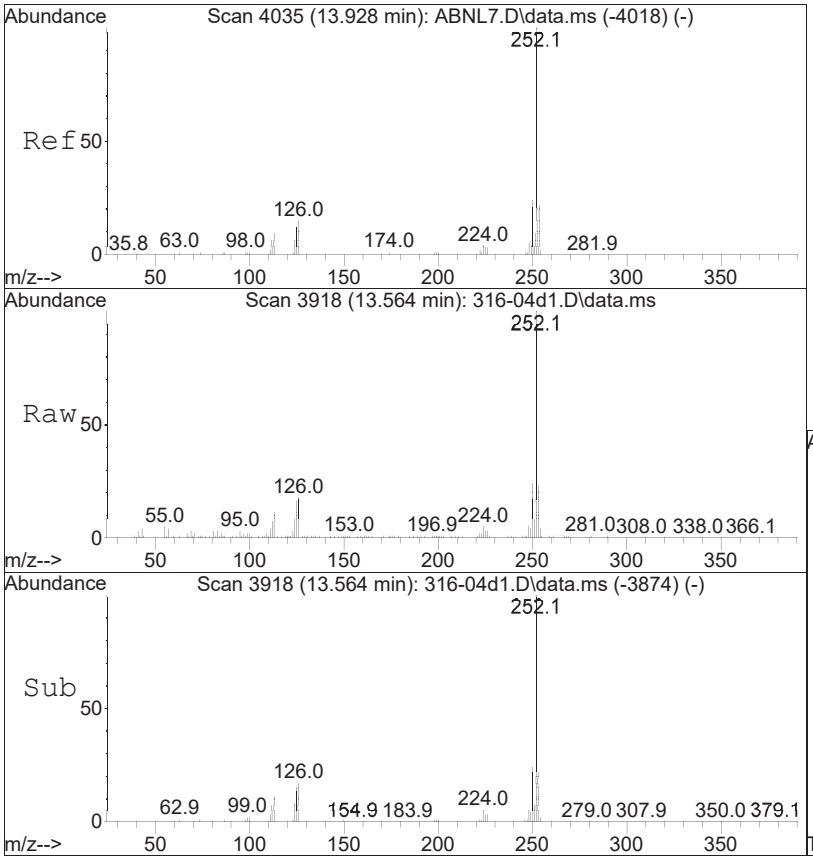


#111
Benzo(k)fluoranthene
Concen: 6.74 ug/ml
RT: 13.132 min Scan# 3779
Delta R.T. 0.009 min
Lab File: 316-04d1.D
Acq: 28 Sep 2020 5:01 pm

Tgt Ion:252 Resp: 86738

Ion	Ratio	Lower	Upper
252	100		
125	0.0	11.0	16.6#
253	23.4	17.4	26.0

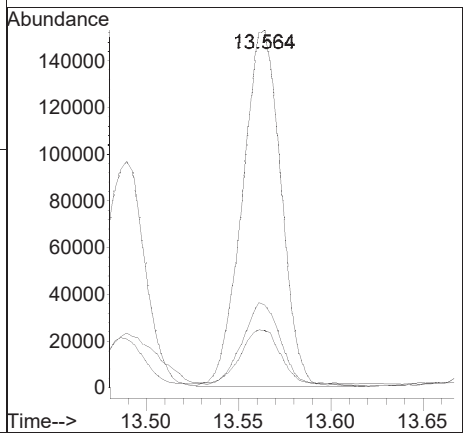


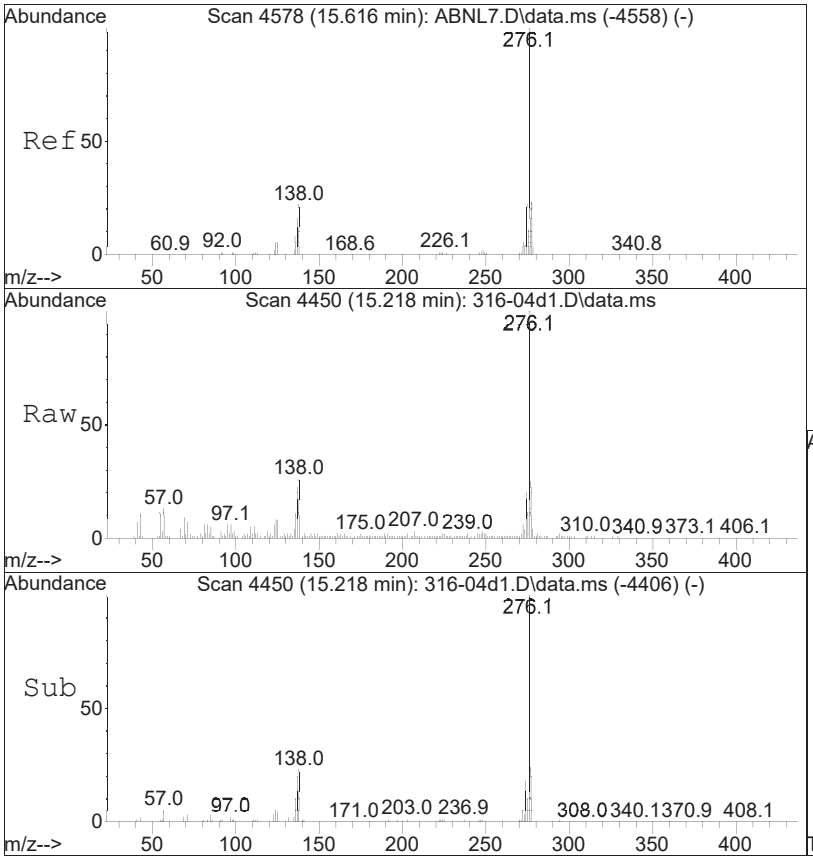


#112
Benzo(a)pyrene
Concen: 19.82 ug/ml
RT: 13.564 min Scan# 3918
Delta R.T. 0.012 min
Lab File: 316-04d1.D
Acq: 28 Sep 2020 5:01 pm

Tgt Ion:252 Resp: 221572

Ion	Ratio	Lower	Upper
252	100		
125	15.9	12.4	18.6
253	23.6	17.6	26.4

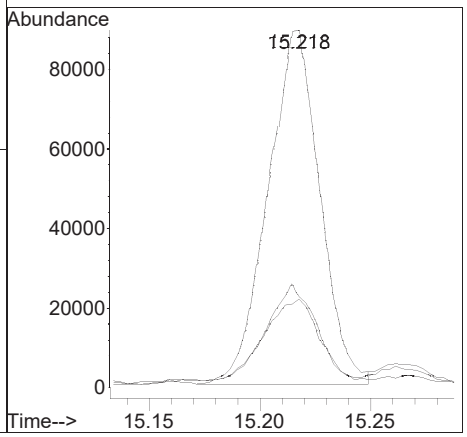


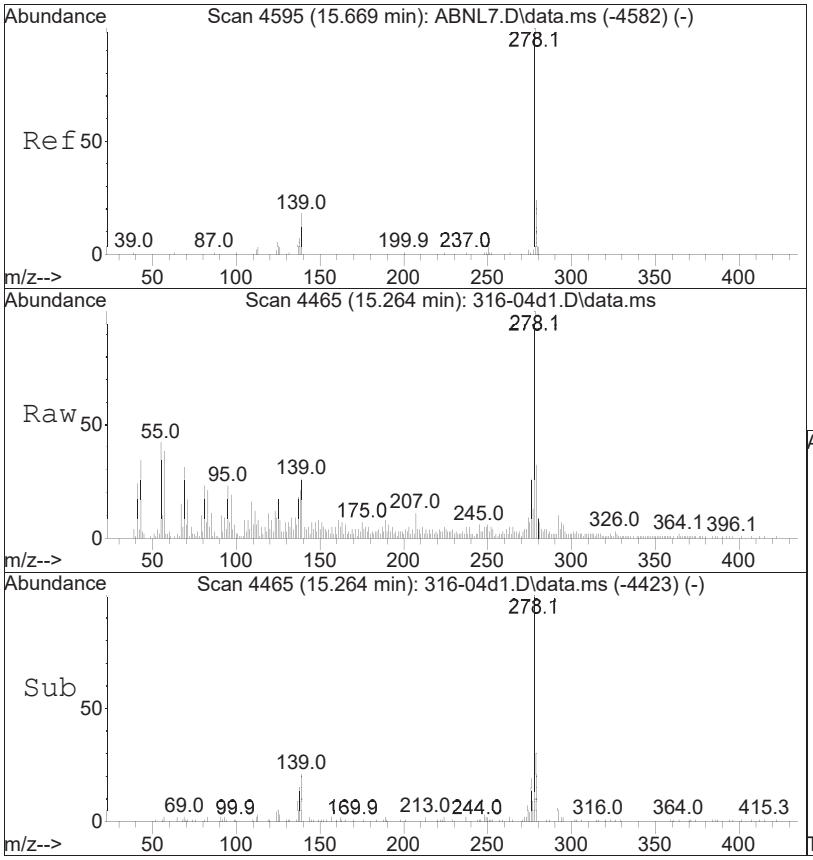


#114
Indeno(1,2,3-cd)pyrene
Concen: 11.91 ug/ml
RT: 15.218 min Scan# 4450
Delta R.T. 0.012 min
Lab File: 316-04d1.D
Acq: 28 Sep 2020 5:01 pm

Tgt Ion:276 Resp: 143101

Ion	Ratio	Lower	Upper
276	100		
138	26.3	21.0	31.6
277	24.9	19.1	28.7

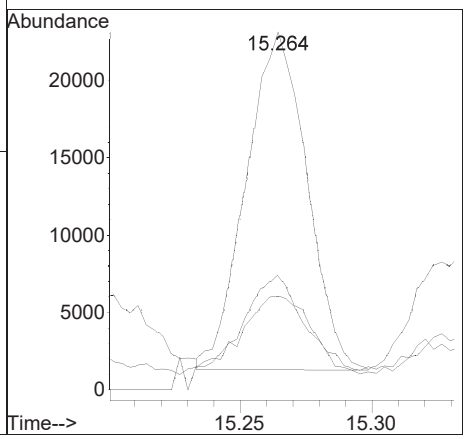


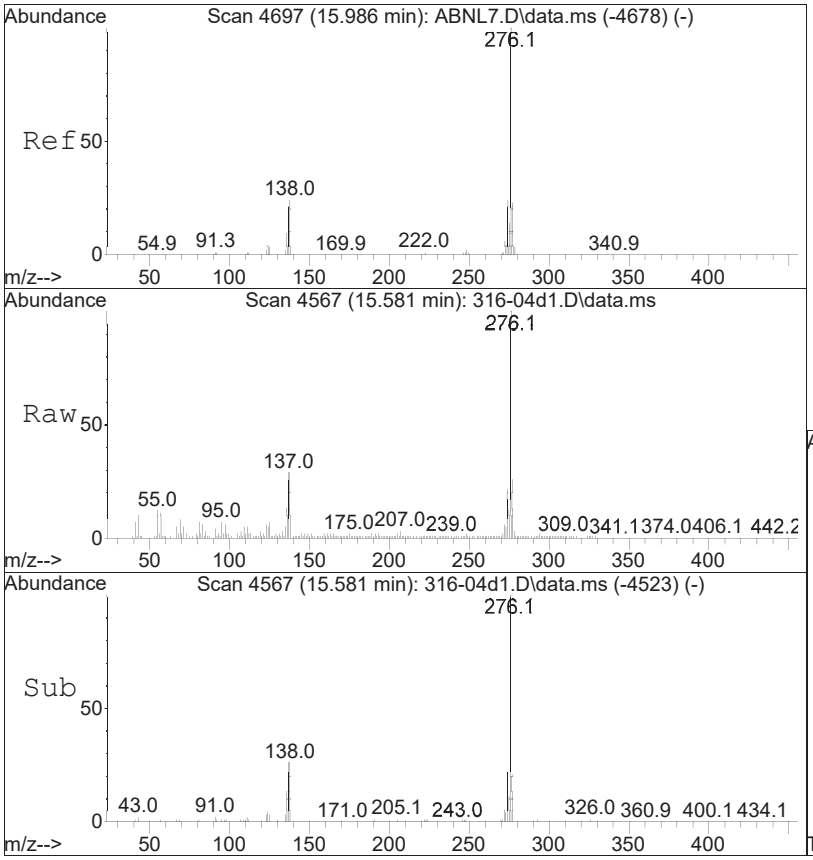


#115
Dibenzo(a,h)anthracene
Concen: 2.67 ug/ml
RT: 15.264 min Scan# 4465
Delta R.T. 0.006 min
Lab File: 316-04d1.D
Acq: 28 Sep 2020 5:01 pm

Tgt Ion:278 Resp: 34906

Ion	Ratio	Lower	Upper
278	100		
139	37.9	16.9	25.3#
279	30.3	19.2	28.8#

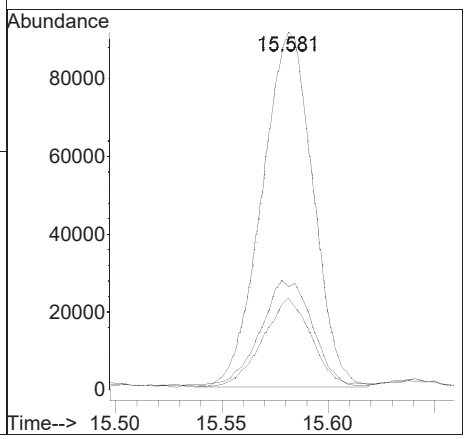




#116
Benzo(ghi)perylene
Concen: 11.30 ug/ml
RT: 15.581 min Scan# 4567
Delta R.T. 0.012 min
Lab File: 316-04d1.D
Acq: 28 Sep 2020 5:01 pm

Tgt Ion:276 Resp: 150858

Ion	Ratio	Lower	Upper
276	100		
138	29.8	22.9	34.3
277	23.3	18.9	28.3



Manual Integration Report

Data Path	: I:\8270\SV109\200928\	QMethod	: FS200911SV109.m
Data File	: 316-04d1.D	Operator	: SV109:im
Date Inj'd	: 9/28/2020 5:01 pm	Instrument	: SV109
Sample	: L2040316-04D,32,10,AM	Quant Date	: 9/28/2020 5:21 pm

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : I:\8270\SV109\200928\
Data File : 316-04d1.D
Acq On : 28 Sep 2020 5:01 pm
Operator : SV109:im
Sample : L2040316-04D,32,10,AM
Misc : WG1415319,WG1415071,ICAL17119
ALS Vial : 22 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 2000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : i:\8270\sv109\200928\FS200911SV109.m
Title : Semivolatiles by GC/MS by modified 8270

Signal : TIC: 316-04d1.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.172	886	896	906	rBV2	50816	60155	1.08%	0.223%
2	4.476	988	994	1001	rVB	832385	662734	11.91%	2.461%
3	5.719	1387	1394	1406	rBV	1230653	981346	17.63%	3.644%
4	6.792	1728	1739	1747	rVB2	53258	58904	1.06%	0.219%
5	7.283	1891	1897	1901	rBV	82517	80262	1.44%	0.298%
6	7.423	1935	1942	1948	rBV	1444353	1172793	21.07%	4.354%
7	7.454	1948	1952	1959	rVB	92982	76099	1.37%	0.283%
8	7.724	2034	2039	2044	rBV	133345	101180	1.82%	0.376%
9	7.954	2106	2113	2123	rVB	96324	92373	1.66%	0.343%
10	8.004	2123	2129	2137	rBV4	60938	82727	1.49%	0.307%
11	8.190	2183	2189	2196	rVB2	79575	76258	1.37%	0.283%
12	8.268	2208	2214	2219	rBV	204881	160466	2.88%	0.596%
13	8.647	2326	2336	2340	rBV2	434642	387629	6.97%	1.439%
14	8.669	2340	2343	2350	rVB3	70710	66252	1.19%	0.246%
15	8.750	2365	2369	2376	rVB2	79872	79537	1.43%	0.295%
16	8.852	2394	2402	2406	rBV	1443827	1297631	23.32%	4.818%
17	8.874	2406	2409	2416	rVB	1103736	861822	15.49%	3.200%
18	8.924	2416	2425	2431	rBV	298849	266253	4.78%	0.989%
19	9.073	2465	2473	2476	rBV3	60730	56720	1.02%	0.211%
20	9.095	2476	2480	2488	rVB	96288	85913	1.54%	0.319%
21	9.350	2556	2562	2566	rBV	197069	169074	3.04%	0.628%
22	9.375	2566	2570	2577	rVB	217925	183805	3.30%	0.682%
23	9.418	2578	2584	2589	rBV	117838	116475	2.09%	0.432%
24	9.449	2589	2594	2599	rBV2	268997	257669	4.63%	0.957%
25	9.511	2599	2614	2629	rVB	4382710	5565187	100.00%	20.663%
26	9.651	2654	2659	2671	rVB3	206301	247976	4.46%	0.921%
27	9.894	2728	2737	2742	rBV2	134251	191604	3.44%	0.711%
28	9.922	2742	2746	2751	rVV3	89454	94817	1.70%	0.352%

LSC Area Percent Report

Data Path : I:\8270\SV109\200928\
Data File : 316-04d1.D
Acq On : 28 Sep 2020 5:01 pm
Operator : SV109:im
Sample : L2040316-04D,32,10,AM
Misc : WG1415319,WG1415071,ICAL17119
ALS Vial : 22 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 2000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : i:\8270\sv109\200928\FS200911SV109.m
Title : Semivolatiles by GC/MS by modified 8270

29	9.950	2751	2755	2760	rVV3	64626	73771	1.33%	0.274%
30	9.974	2760	2763	2772	rVB3	55354	59804	1.07%	0.222%
31	10.030	2774	2781	2789	rVB	1553966	1298066	23.32%	4.820%
32	10.183	2815	2830	2843	rBV	1983847	2583957	46.43%	9.594%
33	10.242	2843	2849	2853	rVV	1588328	1475051	26.50%	5.477%
34	10.263	2853	2856	2866	rVB	1328430	1060941	19.06%	3.939%
35	10.487	2923	2928	2933	rVB3	94940	92377	1.66%	0.343%
36	10.593	2950	2962	2970	rVB3	170754	288202	5.18%	1.070%
37	10.664	2980	2985	2991	rBV	115788	120087	2.16%	0.446%
38	10.699	2991	2996	3003	rBV2	102063	124485	2.24%	0.462%
39	10.795	3024	3027	3033	rVB	100832	83167	1.49%	0.309%
40	10.829	3033	3038	3043	rBV	68175	66559	1.20%	0.247%
41	10.950	3072	3077	3090	rVB4	180131	186082	3.34%	0.691%
42	11.286	3180	3185	3191	rBV	120944	126848	2.28%	0.471%
43	11.333	3196	3200	3210	rVB3	100357	152567	2.74%	0.566%
44	11.417	3223	3227	3235	rVB	94084	91991	1.65%	0.342%
45	11.609	3280	3289	3295	rBV3	1337627	1894635	34.04%	7.035%
46	11.643	3296	3300	3311	rVB	517330	561649	10.09%	2.085%
47	11.743	3327	3332	3337	rBV4	82413	89678	1.61%	0.333%
48	13.098	3760	3768	3775	rBV2	364435	600914	10.80%	2.231%
49	13.490	3888	3894	3905	rVB	285974	434870	7.81%	1.615%
50	13.561	3910	3917	3926	rVB	385751	543489	9.77%	2.018%
51	13.654	3937	3947	3954	rBV2	942549	1390125	24.98%	5.161%

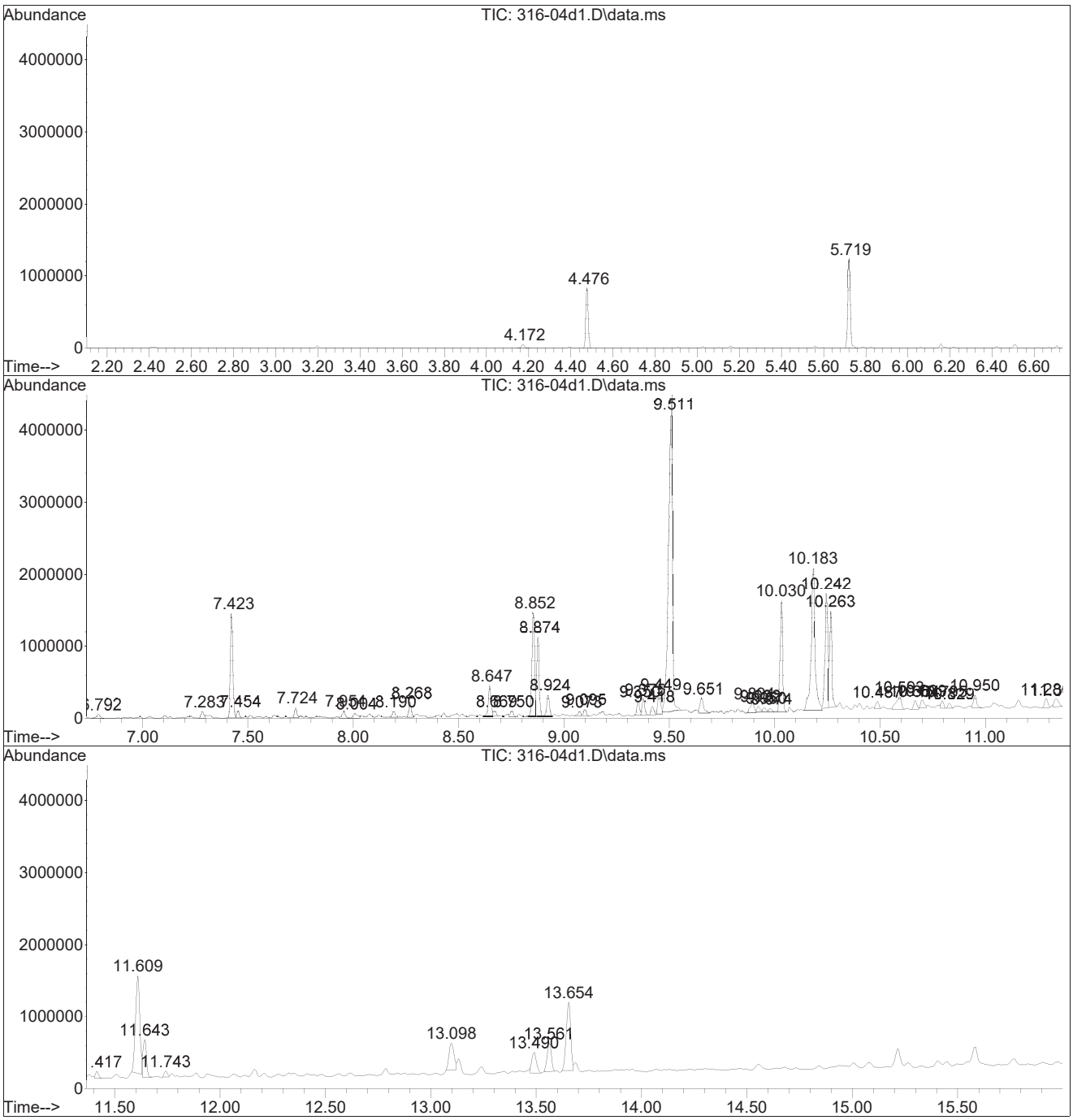
Sum of corrected areas: 26932976

LSC Report - Integrated Chromatogram

Data Path : I:\8270\SV109\200928\
Data File : 316-04d1.D
Acq On : 28 Sep 2020 5:01 pm
Operator : SV109:im
Sample : L2040316-04D,32,10,AM
Misc : WG1415319,WG1415071,ICAL17119
ALS Vial : 22 Sample Multiplier: 1

Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : I:\8270\SV109\200928\
Data File : 316-04d1.D
Acq On : 28 Sep 2020 5:01 pm
Operator : SV109:im
Sample : L2040316-04D,32,10,AM
Misc : WG1415319,WG1415071,ICAL17119
ALS Vial : 22 Sample Multiplier: 1

Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270

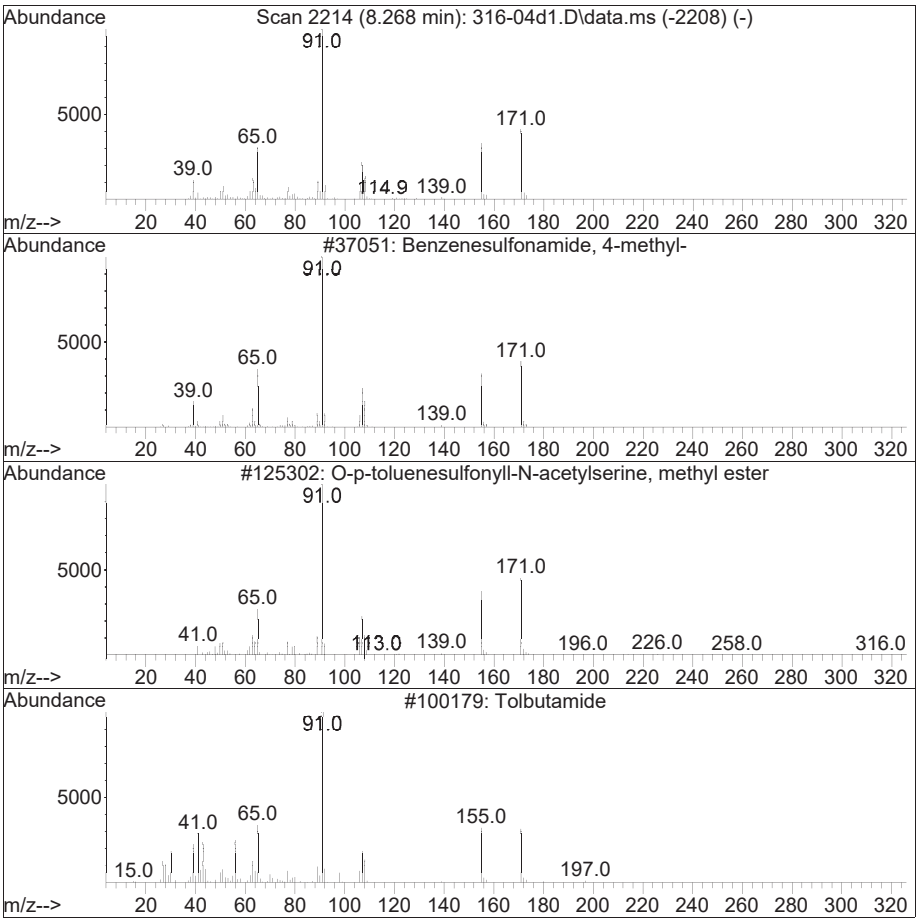
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

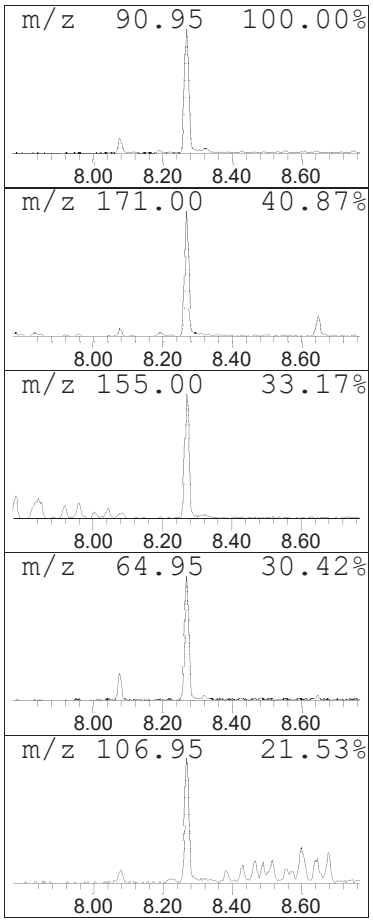
****

Peak Number 1 Unknown Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.268	4.95 ug/ml	160466	IS1_Phenanthrene-d10	8.852

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenesulfonamide, 4-methyl-	171	C7H9NO2S	000070-55-3	98
2	O-p-toluenesulfonyll-N-acetylser...	315	C13H17NO6S	1000126-44-8	91
3	Tolbutamide	270	C12H18N2O3S	000064-77-7	91
4	N-p-toluenesulfonyl-l-threonine,...	363	C18H21NO5S	1000130-34-4	90
5	Thiosulfuric acid, S-[2-[3-(4-me...	381	C12H19N3O5S3	1000255-60-3	72





Data Path : I:\8270\SV109\200928\
Data File : 316-04d1.D
Acq On : 28 Sep 2020 5:01 pm
Operator : SV109:im
Sample : L2040316-04D,32,10,AM
Misc : WG1415319,WG1415071,ICAL17119
ALS Vial : 22 Sample Multiplier: 1

Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270

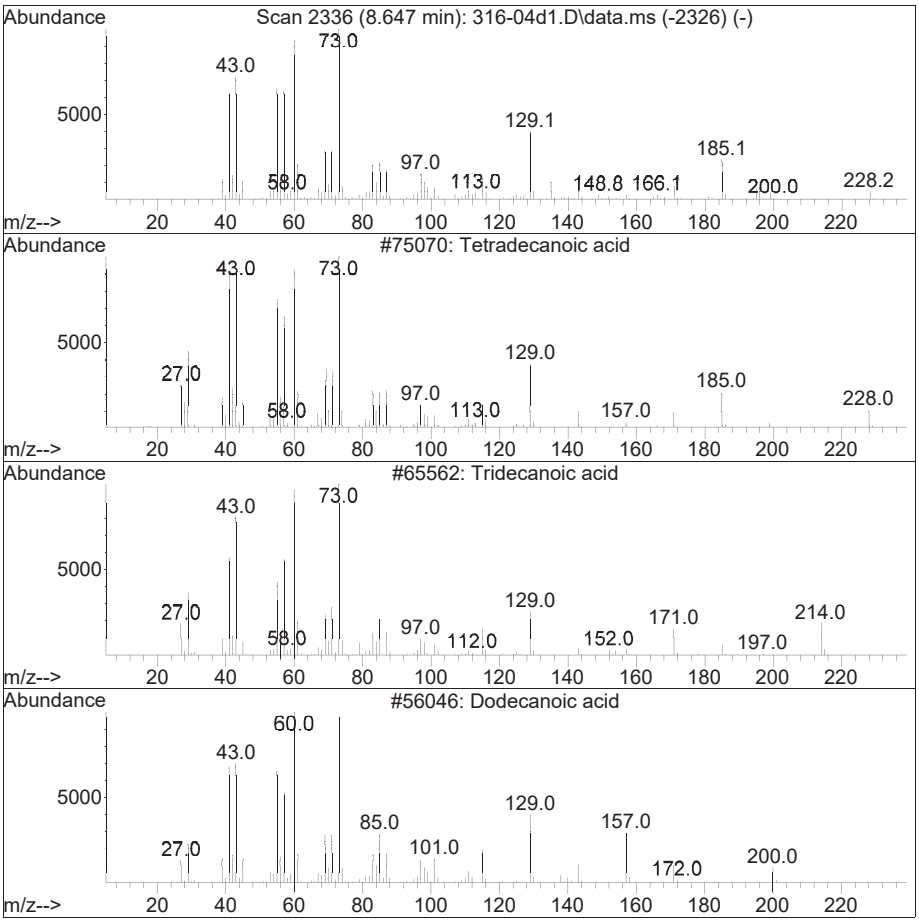
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

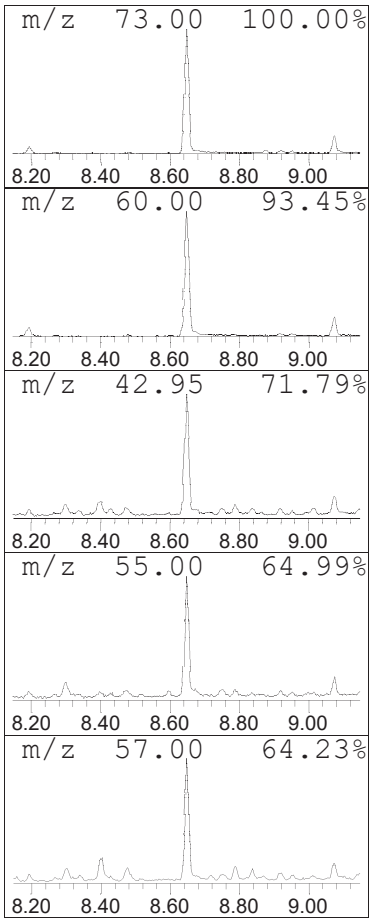
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Peak Number 2 Unknown Organic Acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.647	11.95 ug/ml	387629	IS1_Phenanthrene-d10	8.852

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
2	Tridecanoic acid	214	C13H26O2	000638-53-9	59
3	Dodecanoic acid	200	C12H24O2	000143-07-7	53
4	n-Decanoic acid	172	C10H20O2	000334-48-5	50
5	Undecanoic acid	186	C11H22O2	000112-37-8	42





Data Path : I:\8270\SV109\200928\
Data File : 316-04d1.D
Acq On : 28 Sep 2020 5:01 pm
Operator : SV109:im
Sample : L2040316-04D,32,10,AM
Misc : WG1415319,WG1415071,ICAL17119
ALS Vial : 22 Sample Multiplier: 1

Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270

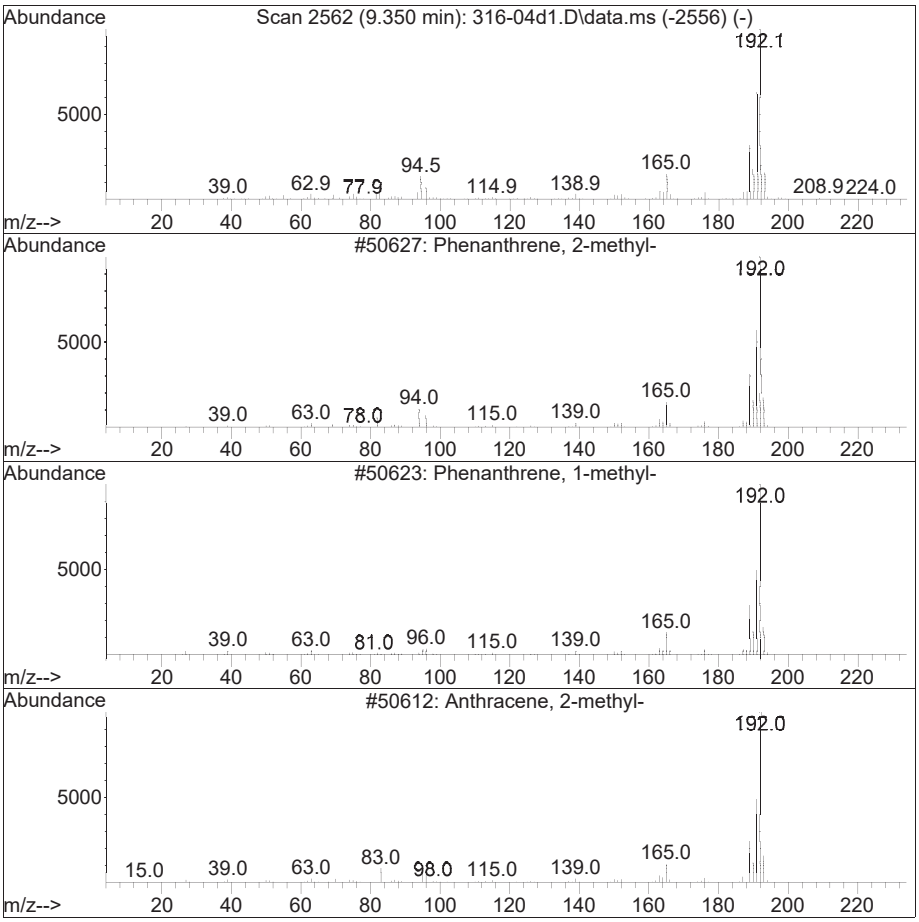
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

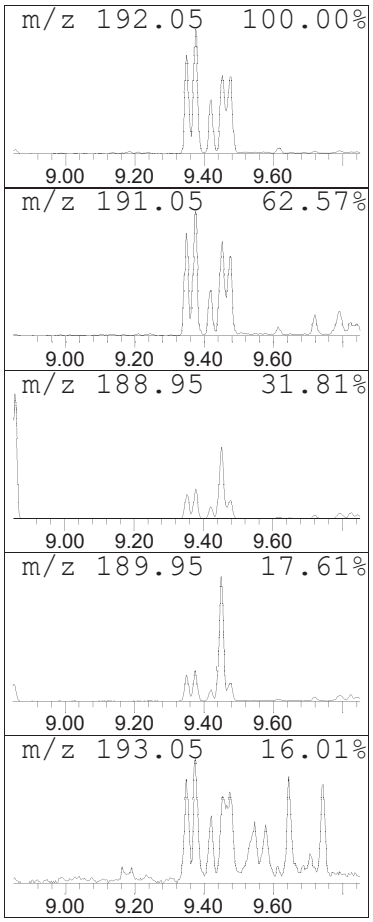
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Peak Number 3 Unknown PAH Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.350	5.21 ug/ml	169074	IS3_Phenanthrene-d10	8.852

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





Data Path : I:\8270\SV109\200928\
Data File : 316-04d1.D
Acq On : 28 Sep 2020 5:01 pm
Operator : SV109:im
Sample : L2040316-04D,32,10,AM
Misc : WG1415319,WG1415071,ICAL17119
ALS Vial : 22 Sample Multiplier: 1

Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270

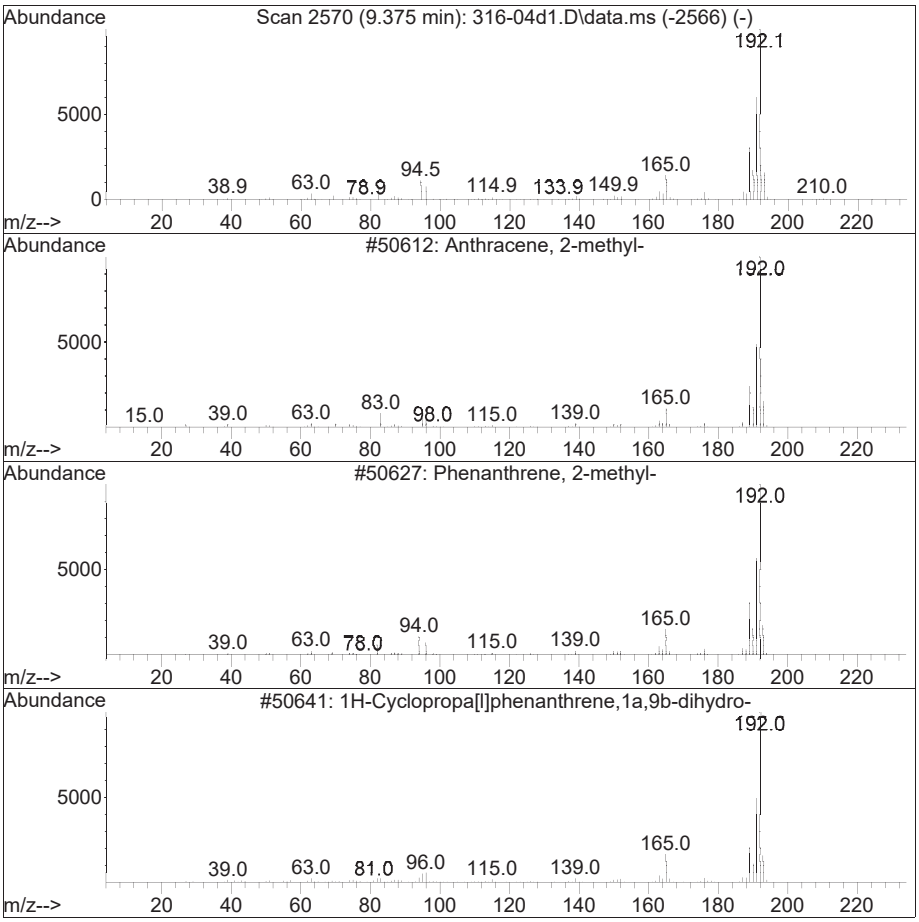
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

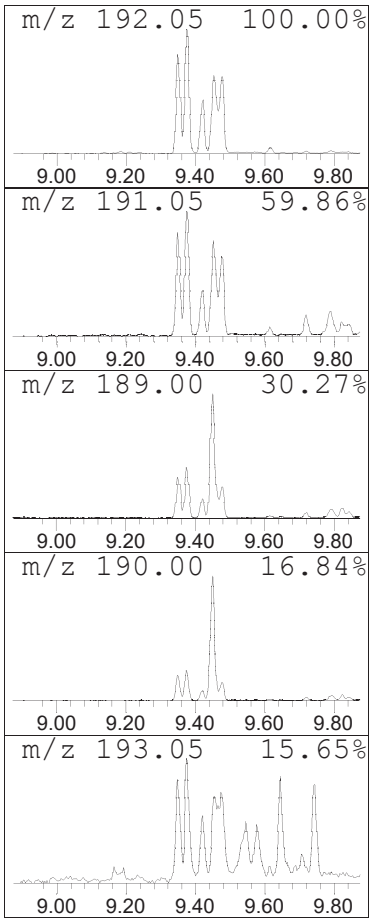
****

Peak Number 4 Unknown Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.375	5.67 ug/ml	183805	IS3_Phenanthrene-d10	8.852

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





Data Path : I:\8270\SV109\200928\
Data File : 316-04d1.D
Acq On : 28 Sep 2020 5:01 pm
Operator : SV109:im
Sample : L2040316-04D,32,10,AM
Misc : WG1415319,WG1415071,ICAL17119
ALS Vial : 22 Sample Multiplier: 1

Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270

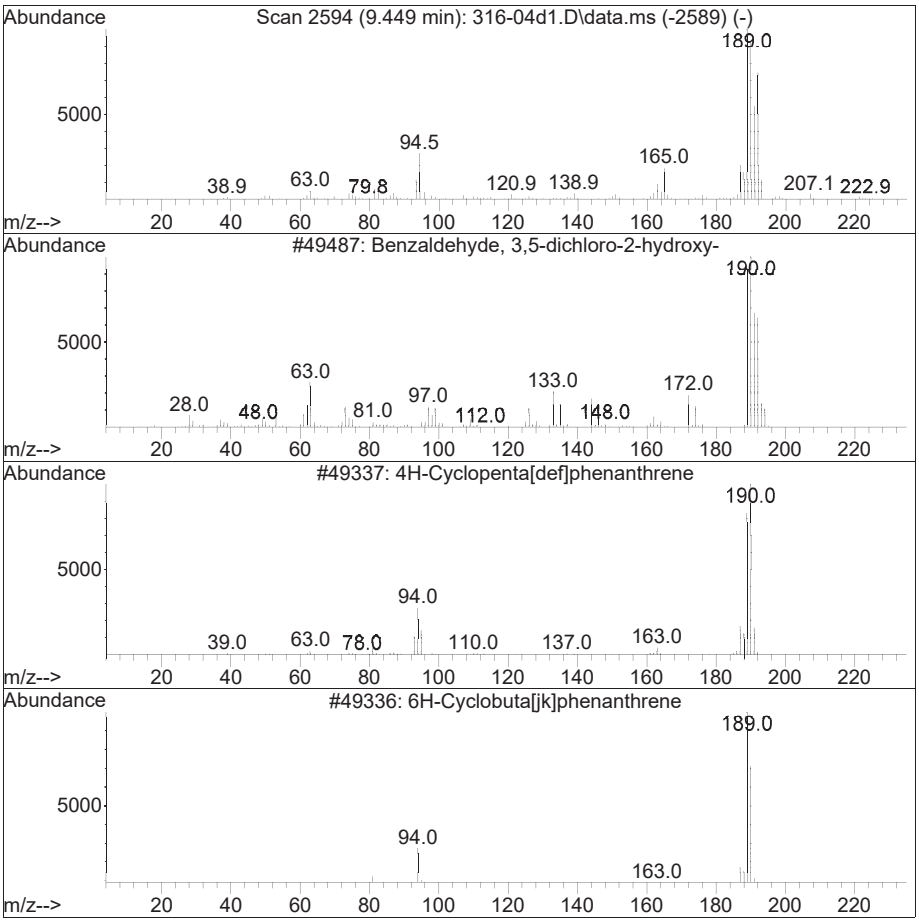
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

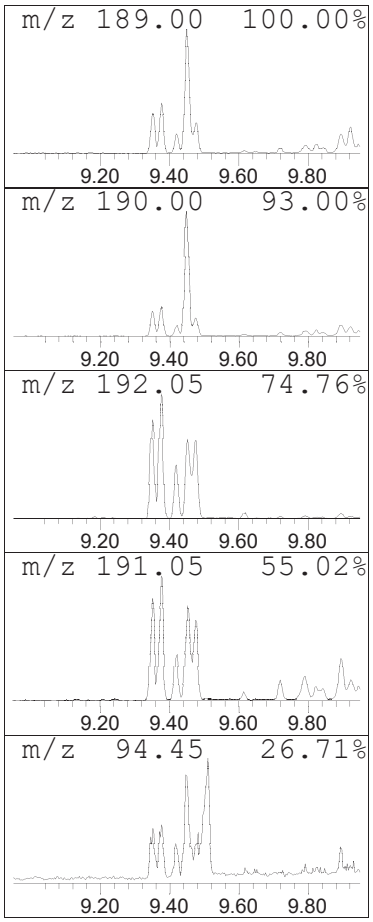
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Peak Number 5 Unknown Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.449	7.94 ug/ml	257669	IS3_Phenanthrene-d10	8.852

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	38
5	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	35





Data Path : I:\8270\SV109\200928\
Data File : 316-04d1.D
Acq On : 28 Sep 2020 5:01 pm
Operator : SV109:im
Sample : L2040316-04D,32,10,AM
Misc : WG1415319,WG1415071,ICAL17119
ALS Vial : 22 Sample Multiplier: 1

Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270

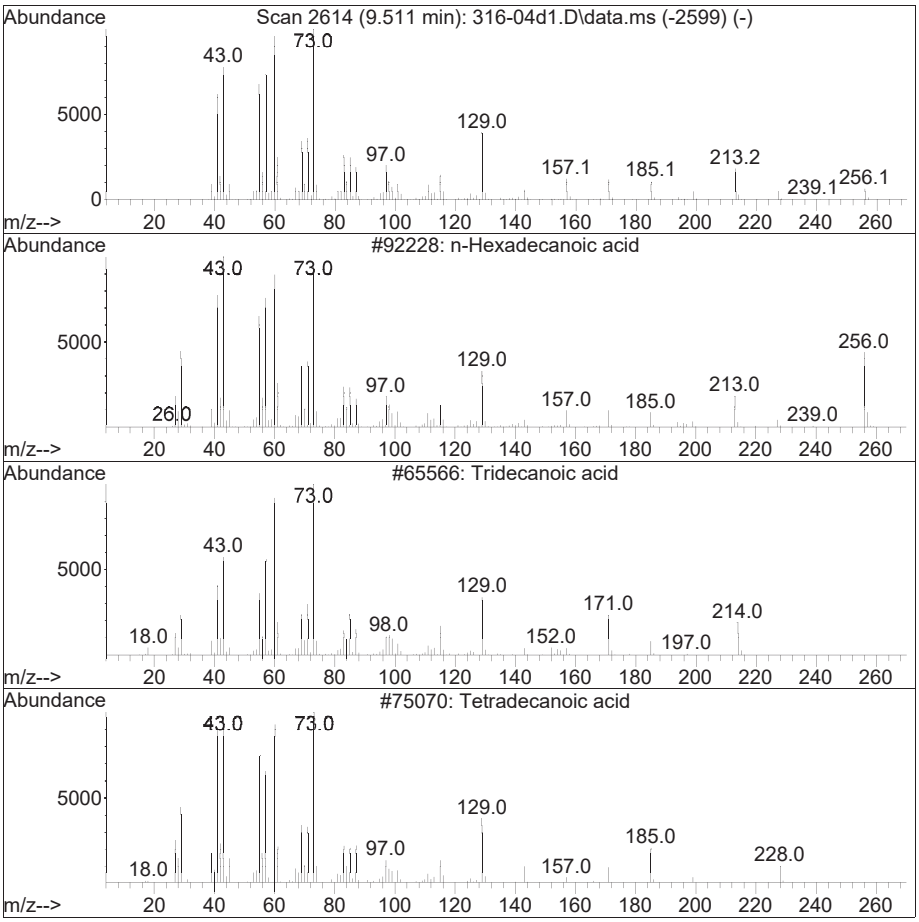
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TIC Integration Parameters: LSCINT.P

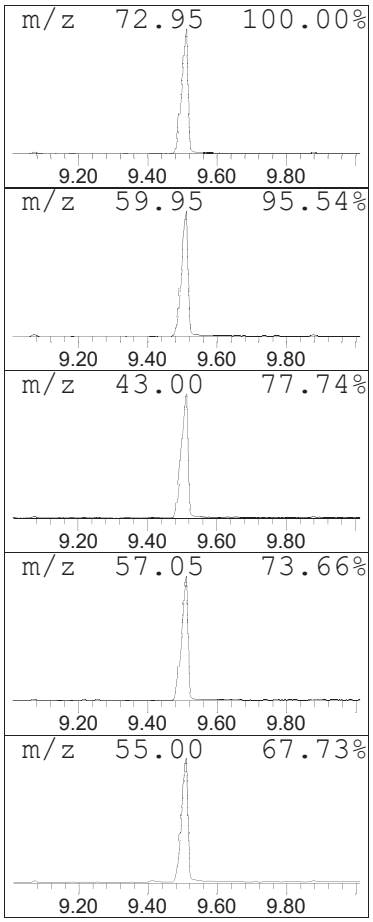
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Peak Number 6 Unknown Organic Acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.511	171.55 ug/ml	5565190	IS3_Phenanthrene-d10	8.852

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83
2	Tridecanoic acid	214	C13H26O2	000638-53-9	80
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	64
5	Dodecanoic acid	200	C12H24O2	000143-07-7	59





Data Path : I:\8270\SV109\200928\
Data File : 316-04d1.D
Acq On : 28 Sep 2020 5:01 pm
Operator : SV109:im
Sample : L2040316-04D,32,10,AM
Misc : WG1415319,WG1415071,ICAL17119
ALS Vial : 22 Sample Multiplier: 1

Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270

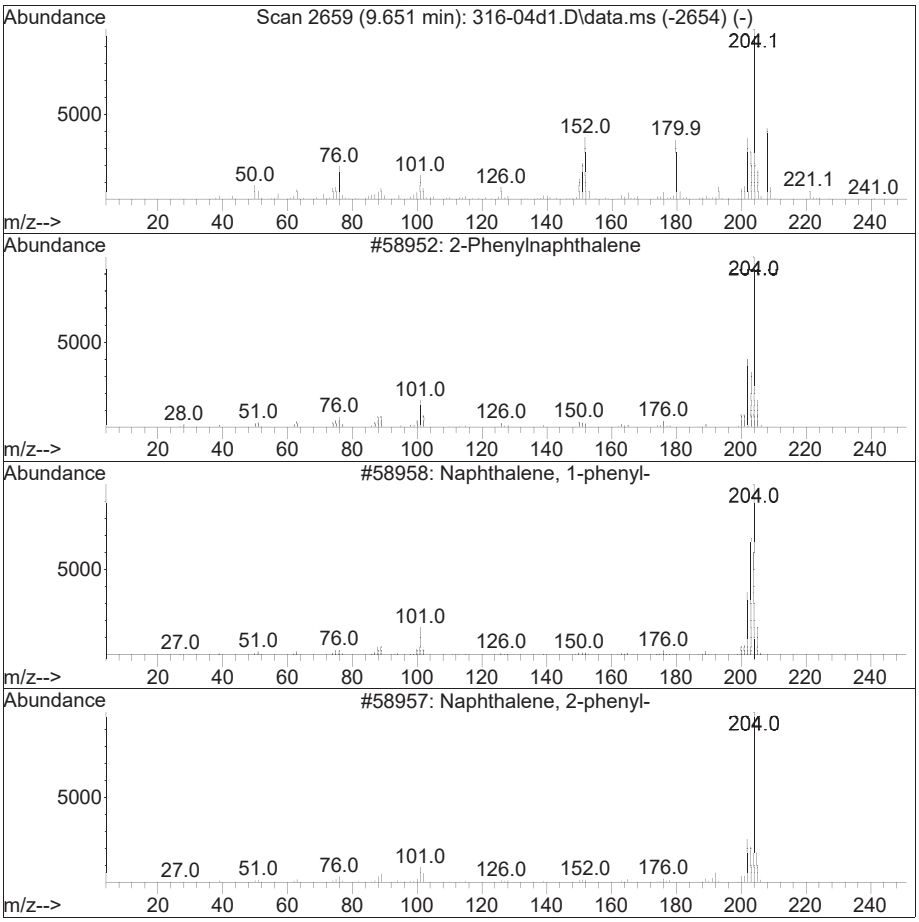
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TIC Integration Parameters: LSCINT.P

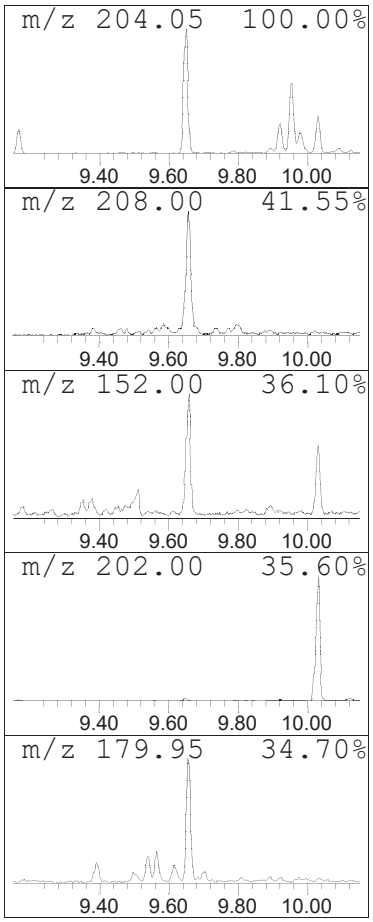
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Peak Number 7 Unknown Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.651	7.64 ug/ml	247976	IS3_Phenanthrene-d10	8.852

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	66
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	51
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	41
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	35





Data Path : I:\8270\SV109\200928\
Data File : 316-04d1.D
Acq On : 28 Sep 2020 5:01 pm
Operator : SV109:im
Sample : L2040316-04D,32,10,AM
Misc : WG1415319,WG1415071,ICAL17119
ALS Vial : 22 Sample Multiplier: 1

Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270

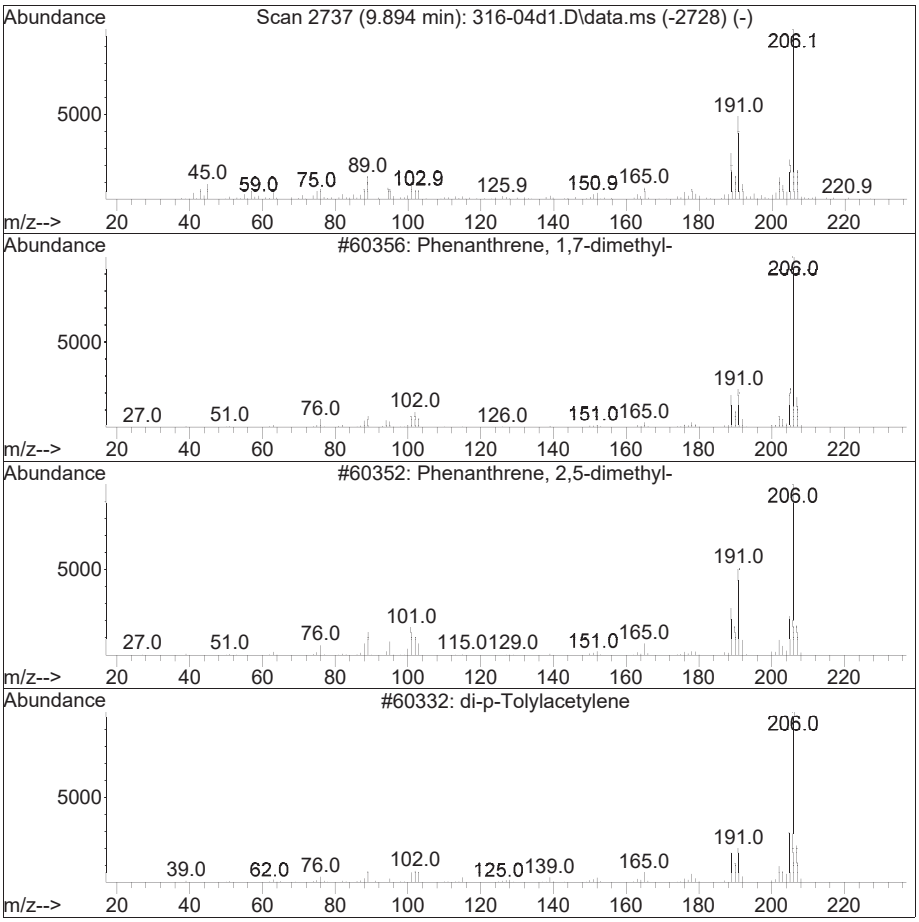
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

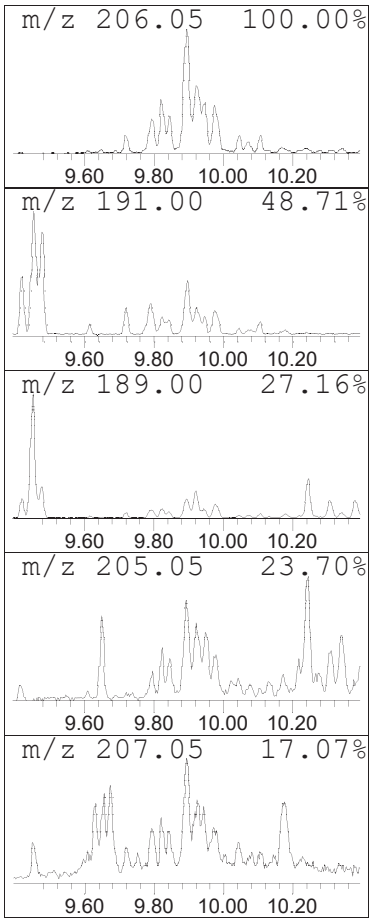
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Peak Number 8 Unknown Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.894	5.91 ug/ml	191604	IS3_Phenanthrene-d10	8.852

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	92
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91





Data Path : I:\8270\SV109\200928\
Data File : 316-04d1.D
Acq On : 28 Sep 2020 5:01 pm
Operator : SV109:im
Sample : L2040316-04D,32,10,AM
Misc : WG1415319,WG1415071,ICAL17119
ALS Vial : 22 Sample Multiplier: 1

Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270

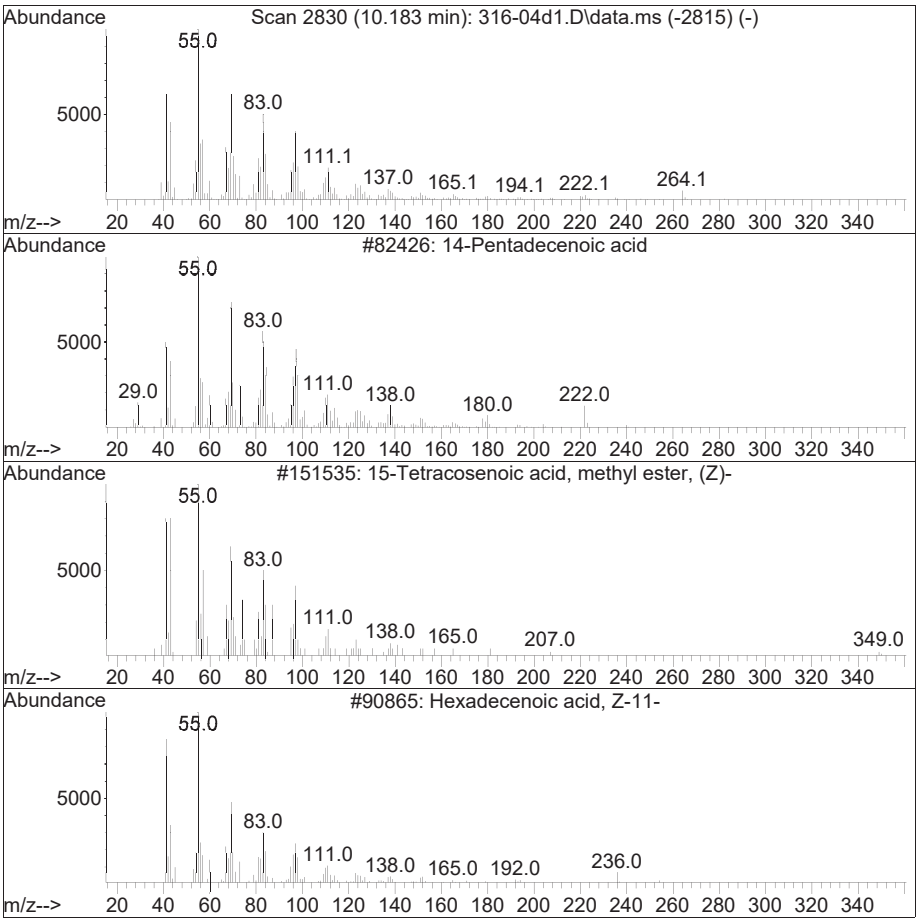
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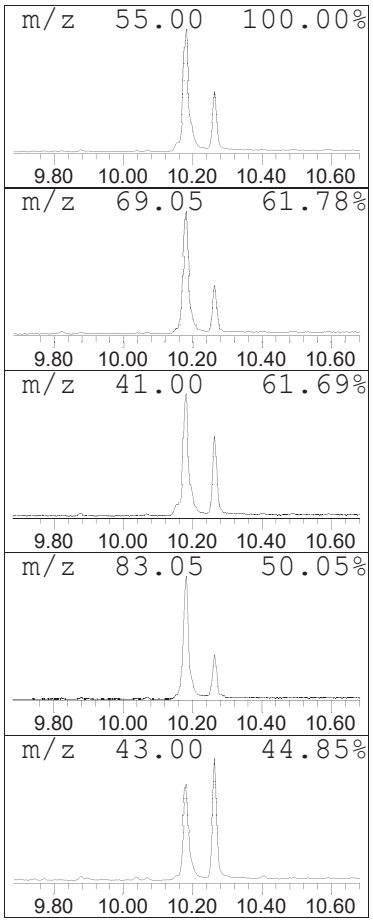
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Peak Number 9 Unknown Organic Acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.183	79.65 ug/ml	2583960	IS3_Phenanthrene-d10	8.852

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	14-Pentadecenoic acid	240	C15H28O2	017351-34-7	90
2	15-Tetracosenoic acid, methyl es...	380	C25H48O2	002733-88-2	87
3	Hexadecenoic acid, Z-11-	254	C16H30O2	002416-20-8	86
4	6-Octadecenoic acid, (Z)-	282	C18H34O2	000593-39-5	68
5	E-9-Tetradecenoic acid	226	C14H26O2	1000131-35-8	62





Data Path : I:\8270\SV109\200928\
Data File : 316-04d1.D
Acq On : 28 Sep 2020 5:01 pm
Operator : SV109:im
Sample : L2040316-04D,32,10,AM
Misc : WG1415319,WG1415071,ICAL17119
ALS Vial : 22 Sample Multiplier: 1

Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270

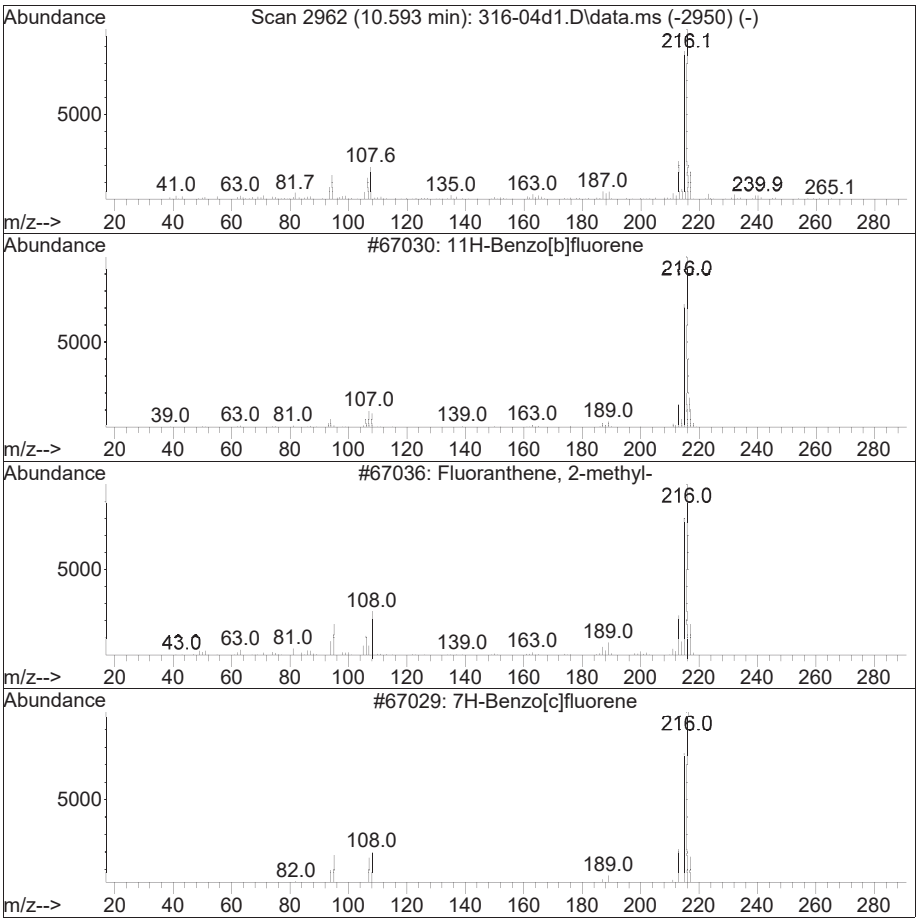
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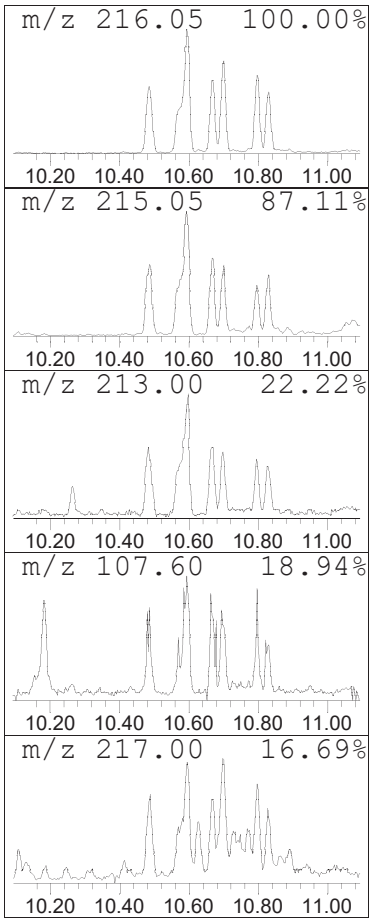
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Peak Number 10 Unknown PAH Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.593	6.08 ug/ml	288202	IS1_Chrysene-d12	11.612

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	60
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	60





Data Path : I:\8270\SV109\200928\
Data File : 316-04d1.D
Acq On : 28 Sep 2020 5:01 pm
Operator : SV109:im
Sample : L2040316-04D,32,10,AM
Misc : WG1415319,WG1415071,ICAL17119
ALS Vial : 22 Sample Multiplier: 1

Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270

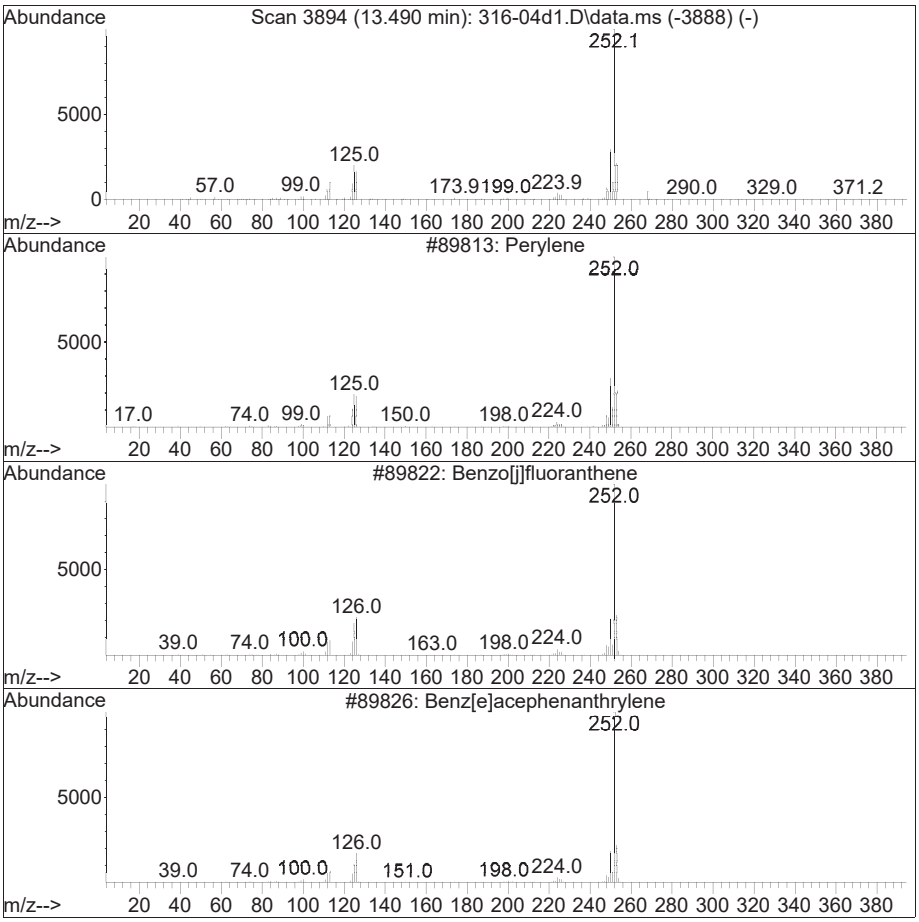
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

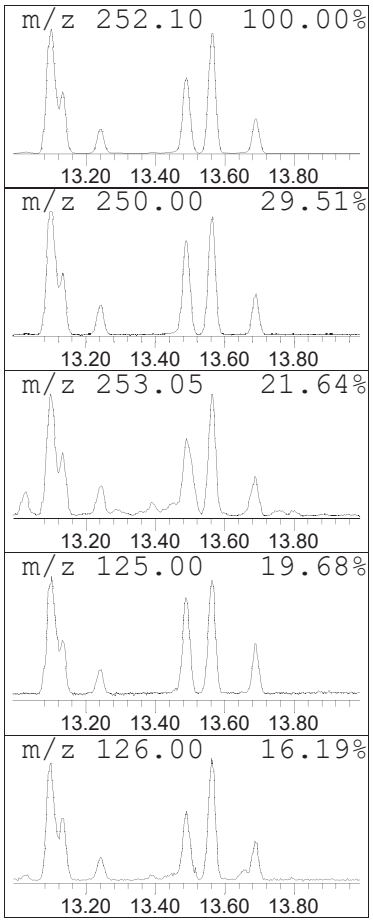
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Peak Number 11 Unknown PAH Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.490	12.51 ug/ml	434870	IS1_Perylene-d12	13.654

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	98
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
4	Benzo[e]pyrene	252	C20H12	000192-97-2	98
5	Benzo[a]pyrene	252	C20H12	000050-32-8	96





Tentatively Identified Compound (LSC) summary

Data Path : I:\8270\SV109\200928\
Data File : 316-04d1.D
Acq On : 28 Sep 2020 5:01 pm
Operator : SV109:im
Sample : L2040316-04D,32,10,AM
Misc : WG1415319,WG1415071,ICAL17119
ALS Vial : 22 Sample Multiplier: 1

Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Unknown	8.268	4.9	ug/ml	160466	9	8.852	1297630	40.0
Unknown Organic...	8.647	11.9	ug/ml	387629	9	8.852	1297630	40.0
Unknown PAH	9.350	5.2	ug/ml	169074	11	8.852	1297630	40.0
Unknown	9.375	5.7	ug/ml	183805	11	8.852	1297630	40.0
Unknown	9.449	7.9	ug/ml	257669	11	8.852	1297630	40.0
Unknown Organic...	9.511	171.5	ug/ml	5565190	11	8.852	1297630	40.0
Unknown	9.651	7.6	ug/ml	247976	11	8.852	1297630	40.0
Unknown	9.894	5.9	ug/ml	191604	11	8.852	1297630	40.0
Unknown Organic...	10.183	79.7	ug/ml	2583960	11	8.852	1297630	40.0
Unknown PAH	10.593	6.1	ug/ml	288202	12	11.612	1894640	40.0
Unknown PAH	13.490	12.5	ug/ml	434870	13	13.654	1390130	40.0

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Soils Engineering Services, Inc.**	**Lab Number**	**: L2040316**
Project Name	**: CONEY ISLAND**	**Project Number**	**: 11404**
Instrument ID	**: SV109**	**Ical Ref**	**: ICAL17119**
Calibration dates	**: 09/11/20 16:36 09/14/20 09:04**		

Calibration Files
1.0 =ADPL1a.D 2.0 =ABNL2.D 3.0 =ABNL3.D 5.0 =ABNL4.D 10 =AP9L5.D 20 =AP9L6.D 50 =ADPL7.D
100 =AP9L8.D 150 =AP9L9.D 200 =AP9L10.D

		Compound	1.0	2.0	3.0	5.0	10	20	50	100	150	200	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------											
2)	t	N-Nitrosodimethylamine	0.818	0.743	0.729	0.755	0.753	0.748	0.771	0.746	0.751	0.748	0.756	3.20
3)	t	Pyridine	1.527	1.382	1.224	1.299	1.295	1.268	1.344	1.274	1.300	1.297	1.321	6.35
4)	S	2-Fluorophenol	1.246	1.223	1.104	1.156	1.173	1.167	1.241	1.213	1.211	1.220	1.195	3.71
5)	T	Aniline	2.244	2.065	1.882	1.960	1.984	1.941	2.032	1.940	1.963	1.965	1.998	5.01
6)	t	2-Chlorophenol	1.544	1.341	1.284	1.290	1.320	1.318	1.401	1.335	1.350	1.358	1.354	5.51
7)	S	Phenol-d6	1.726	1.472	1.388	1.417	1.456	1.437	1.524	1.462	1.474	1.489	1.484	6.26
8)	T	Phenol	1.825	1.802	1.727	1.687	1.719	1.740	1.809	1.730	1.756	1.764	1.756	2.52
9)	T	bis(2-Chloroethyl)ether	1.401	1.331	1.184	1.231	1.218	1.207	1.234	1.176	1.189	1.195	1.237	5.87
10)	T	1,3-Dichlorobenzene	1.988	1.653	1.568	1.529	1.503	1.468	1.537	1.474	1.481	1.488	1.569	10.04
11)	T	1,4-Dichlorobenzene	1.957	1.745	1.631	1.581	1.558	1.512	1.563	1.482	1.504	1.501	1.603	9.14
12)	T	1,2-Dichlorobenzene	1.806	1.620	1.494	1.514	1.483	1.437	1.492	1.415	1.424	1.443	1.513	7.86
13)	t	Benzyl alcohol	1.083	0.962	0.888	0.935	0.969	0.977	1.043	1.000	1.018	1.018	0.989	5.64
14)	T	bis(2-chloroisopropyl)ether	2.041	1.797	1.648	1.617	1.616	1.583	1.606	1.521	1.522	1.518	1.647	9.77
15)	T	2-Methylphenol	1.380	1.191	1.180	1.131	1.188	1.201	1.230	1.192	1.202	1.212	1.211	5.36
16)	T	Hexachloroethane	0.694	0.618	0.549	0.557	0.552	0.552	0.576	0.556	0.559	0.567	0.578	7.87
17)	T	n-Nitrosodi-n-propylamine	0.926	0.786	0.776	0.783	0.837	0.841	0.882	0.850	0.860	0.856	0.840	5.62
18)	T	3-Methylphenol/4-Methylphenol	1.421	1.291	1.217	1.272	1.268	1.285	1.317	1.261	1.285	1.280	1.290	4.09
19)	S	Nitrobenzene-d5	1.420	1.326	1.279	1.267	1.314	1.322	1.361	1.306	1.322	1.317	1.323	3.22
20)	T	Nitrobenzene	1.424	1.322	1.227	1.246	1.282	1.303	1.327	1.273	1.282	1.280	1.297	4.19
21)	T	Isophorone	2.318	2.245	2.124	2.187	2.407	2.439	2.492	2.397	2.436	2.399	2.344	5.17
22)	T	2-Nitrophenol		0.544	0.566	0.606	0.661	0.678	0.736	0.721	0.741	0.735	0.665	11.52
23)	T	2,4-Dimethylphenol	1.368	1.302	1.237	1.272	1.328	1.333	1.383	1.315	1.344	1.339	1.322	3.28
24)	T	bis(2-Chloroethoxy)methane	1.848	1.645	1.600	1.548	1.649	1.625	1.606	1.530	1.543	1.528	1.612	5.89
25)	T	2,4-Dichlorophenol	1.104	1.096	1.070	1.105	1.162	1.152	1.194	1.135	1.159	1.160	1.134	3.38
26)	T	1,2,4-Trichlorobenzene	1.624	1.413	1.332	1.319	1.299	1.267	1.293	1.239	1.254	1.252	1.329	8.68
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------											
28)	T	Benzaldehyde		1.025	0.987	0.995	0.985	0.997	1.014	1.020	1.023	1.017	1.007	1.55
29)	T	Acetophenone		1.714	1.666	1.650	1.678	1.685	1.747	1.728	1.740	1.730	1.704	2.07
30)	T	m-Toluidine		1.752	1.761	1.702	1.713	1.760	1.806	1.817	1.823	1.807	1.771	2.52
31)	T	2-Chloroaniline		1.612	1.604	1.611	1.588	1.601	1.636	1.639	1.636	1.633	1.618	1.16
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------											
33)		1,4-Dioxane	0.785	0.504	0.587	0.475	0.444	0.448	0.432	0.492	0.505	0.498	*L	0.9973
34)	T	n-Decane	1.963	1.508	1.438	1.399	1.330	1.326	1.306	1.504	1.556	1.526	1.485	12.83
35)	I	IS1_Naphthalene-d8	----------ISTD----------											
36)	T	Naphthalene	1.280	1.123	1.065	1.041	1.016	0.997	1.004	0.964	0.968	0.957	1.041	9.42

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Soils Engineering Services, Inc.**	**Lab Number**	**: L2040316**
Project Name	**: CONEY ISLAND**	**Project Number**	**: 11404**
Instrument ID	**: SV109**	**Ical Ref**	**: ICAL17119**
Calibration dates	**: 09/11/20 16:36 09/14/20 09:04**		

Calibration Files
1.0 =ADPL1a.D 2.0 =ABNL2.D 3.0 =ABNL3.D 5.0 =ABNL4.D 10 =AP9L5.D 20 =AP9L6.D 50 =ADPL7.D
100 =AP9L8.D 150 =AP9L9.D 200 =AP9L10.D

		Compound	1.0	2.0	3.0	5.0	10	20	50	100	150	200	Avg	%RSD
37)	T	Benzoic Acid				0.063	0.133	0.192	0.236	0.247	0.259	0.258	*L	0.9995
38)	T	4-Chloroaniline	0.135	0.119	0.113	0.123	0.118	0.119	0.120	0.116	0.117	0.115	0.119	4.98
39)	T	Hexachlorobutadiene	0.213	0.200	0.187	0.176	0.178	0.173	0.177	0.172	0.173	0.175	0.182	7.50
40)	T	p-Chloro-m-cresol	0.309	0.273	0.260	0.266	0.276	0.280	0.286	0.280	0.286	0.284	0.280	4.70
41)	T	2-Methylnaphthalene	0.812	0.739	0.676	0.683	0.683	0.678	0.672	0.649	0.663	0.662	0.692	7.03
42)	T	1-Methylnaphthalene	0.261	0.237	0.222	0.216	0.217	0.213	0.214	0.205	0.210	0.207	0.220	7.67
43)	T	Hexachlorocyclopentadiene			0.214	0.228	0.229	0.232	0.237	0.238	0.240	0.241	0.233	3.83
44)	T	2,4,6-Trichlorophenol	0.188	0.185	0.177	0.194	0.200	0.208	0.212	0.210	0.216	0.214	0.200	6.75
45)	T	2,4,5-Trichlorophenol	0.226	0.204	0.196	0.211	0.227	0.226	0.231	0.223	0.230	0.225	0.220	5.47
46)	S	2-Fluorobiphenyl	0.941	0.822	0.762	0.776	0.764	0.745	0.753	0.713	0.724	0.712	0.771	8.83
47)	T	2-Chloronaphthalene	0.788	0.707	0.653	0.646	0.656	0.639	0.634	0.619	0.629	0.618	0.659	7.87
48)	T	2-Nitroaniline		0.154	0.150	0.163	0.179	0.197	0.211	0.212	0.218	0.212	0.188	14.46
49)	T	1,4-Dinitrobenzene		0.074	0.070	0.073	0.086	0.093	0.100	0.099	0.104	0.100	0.089	15.17
50)	T	1,3-Dinitrobenzene		0.090	0.081	0.089	0.102	0.110	0.114	0.113	0.118	0.114	0.103	13.20
51)	T	Dimethyl phthalate	0.806	0.726	0.690	0.730	0.748	0.748	0.746	0.720	0.741	0.715	0.737	4.12
52)	T	Acenaphthylene	1.186	1.073	1.035	1.057	1.097	1.087	1.098	1.049	1.067	1.037	1.079	4.10
53)	T	2,6-Dinitrotoluene	0.127	0.126	0.119	0.134	0.152	0.159	0.162	0.158	0.163	0.155	0.145	11.76
54)	T	1,2-Dinitrobenzene		0.057	0.055	0.062	0.069	0.074	0.074	0.073	0.075	0.072	0.068	11.43
55)	I	IS2_Naphthalene-d8	----------ISTD----------											
56)	T	a-Terpineol		0.232	0.233	0.224	0.233	0.239	0.252	0.255	0.255	0.250	0.242	4.93
57)	T	3-Chloroaniline		0.129	0.125	0.129	0.127	0.125	0.126	0.126	0.123	0.122	0.126	1.92
58)	T	2,6-Dichlorophenol		0.206	0.219	0.225	0.227	0.243	0.255	0.255	0.255	0.255	0.238	7.97
59)	T	1-chloro-2-nitrobenzene		0.117	0.120	0.115	0.116	0.117	0.124	0.125	0.126	0.125	0.121	3.77
60)	T	Caprolactam				0.085	0.098	0.114	0.128	0.133	0.136	0.134	0.118	16.98
61)	T	1,2,4,5-Tetrachlorobenzene		0.314	0.311	0.291	0.288	0.283	0.284	0.283	0.287	0.283	0.292	4.17
62)	T	Biphenyl		0.820	0.824	0.773	0.779	0.764	0.758	0.748	0.757	0.742	0.774	3.83
63)	I	IS1_Acenaphthene-d10	----------ISTD----------											
64)	T	3-Nitroaniline		0.261	0.285	0.300	0.322	0.338	0.352	0.351	0.353	0.345	0.323	10.40
65)	T	Acenaphthene	1.432	1.254	1.143	1.154	1.129	1.095	1.118	1.101	1.083	1.083	1.159	9.33
66)	T	2,4-Dinitrophenol				0.107	0.134	0.163	0.189	0.202	0.210	0.204	*L	0.9991
67)	T	Dibenzofuran	2.238	1.937	1.763	1.794	1.730	1.702	1.728	1.674	1.643	1.621	1.783	10.27
68)	T	2,4-Dinitrotoluene		0.299	0.307	0.334	0.362	0.385	0.406	0.405	0.408	0.399	0.367	11.93
69)	T	4-Nitrophenol		0.198	0.194	0.216	0.236	0.251	0.262	0.259	0.260	0.253	0.237	11.44
70)	T	2,3,5,6-Tetrachlorophenol		0.301	0.296	0.308	0.326	0.334	0.349	0.349	0.350	0.348	0.329	6.68
71)	T	2,3,4,6-Tetrachlorophenol	0.289	0.304	0.289	0.319	0.335	0.332	0.341	0.336	0.336	0.337	0.322	6.31
72)	T	Diethyl phthalate	1.481	1.341	1.293	1.345	1.365	1.360	1.398	1.375	1.377	1.341	1.368	3.56

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Soils Engineering Services, Inc.**	**Lab Number**	**: L2040316**
Project Name	**: CONEY ISLAND**	**Project Number**	**: 11404**
Instrument ID	**: SV109**	**Ical Ref**	**: ICAL17119**
Calibration dates	**: 09/11/20 16:36 09/14/20 09:04**		

Calibration Files
1.0 =ADPL1a.D 2.0 =ABNL2.D 3.0 =ABNL3.D 5.0 =ABNL4.D 10 =AP9L5.D 20 =AP9L6.D 50 =ADPL7.D
100 =AP9L8.D 150 =AP9L9.D 200 =AP9L10.D

		Compound	1.0	2.0	3.0	5.0	10	20	50	100	150	200	Avg	%RSD
73)	T	Fluorene	1.635	1.459	1.330	1.362	1.345	1.316	1.336	1.326	1.324	1.320	1.375	7.30
74)	T	4-Chlorophenyl-phenylether	0.777	0.731	0.667	0.663	0.655	0.638	0.642	0.628	0.628	0.619	0.665	7.62
75)	T	4-Nitroaniline		0.251	0.269	0.285	0.318	0.327	0.344	0.341	0.344	0.331	0.312	11.21
76)	T	4,6-Dinitro-o-cresol			0.102	0.135	0.169	0.193	0.222	0.228	0.236	0.229	*L	0.9993
77)	T	NDPA/DPA	1.240	1.172	1.067	1.127	1.135	1.121	1.147	1.127	1.124	1.106	1.137	3.97
78)	T	Azobenzene	1.247	1.179	1.149	1.215	1.233	1.218	1.242	1.214	1.196	1.179	1.207	2.59
79)	S	2,4,6-Tribromophenol	0.153	0.194	0.177	0.196	0.198	0.210	0.223	0.223	0.231	0.230	0.203	12.44
80)	T	4-Bromophenyl-phenylether	0.421	0.382	0.351	0.360	0.370	0.351	0.368	0.365	0.373	0.366	0.371	5.36
81)	T	Hexachlorobenzene	0.558	0.484	0.454	0.454	0.444	0.432	0.434	0.433	0.440	0.433	0.457	8.57
82)	T	Pentachlorophenol			0.169	0.202	0.226	0.255	0.280	0.285	0.299	0.288	*L	0.9993
83)	I	IS2_Acenaphthene-d10	----------ISTD----------											
84)	T	Dichloran			0.080	0.094	0.101	0.113	0.138	0.152	0.162	0.162	*L	0.9961
85)	T	Pentachloronitrobenzene			0.102	0.115	0.123	0.134	0.144	0.150	0.156	0.155	0.135	14.75
86)	I	IS3_Acenaphthene-d10	----------ISTD----------											
87)	T	Atrazine			0.218	0.216	0.227	0.239	0.267	0.354	0.373	0.382	*Q	0.9972
88)	I	IS1_Phenanthrene-d10	----------ISTD----------											
89)	T	Phenanthrene	1.348	1.204	1.092	1.084	1.058	1.040	1.033	1.012	1.023	0.996	1.089	9.95
90)	T	Anthracene	1.213	1.114	1.038	1.035	1.033	1.045	1.081	1.048	1.058	1.036	1.070	5.28
91)	T	Carbazole	1.086	0.946	0.911	0.957	0.982	0.988	1.016	0.977	0.998	0.968	0.983	4.73
92)	T	Di-n-butylphthalate	0.998	0.920	0.864	0.949	1.027	1.096	1.176	1.204	1.230	1.189	1.065	12.37
93)	T	Fluoranthene	1.260	1.096	1.065	1.085	1.104	1.123	1.167	1.155	1.191	1.156	1.140	5.08
94)	T	Benzidine		0.535	0.541	0.598	0.670	0.748	0.847	0.879	0.922	0.890	*L	0.9984
95)	T	Pyrene	1.353	1.203	1.140	1.181	1.191	1.198	1.234	1.218	1.238	1.190	1.215	4.62
96)	S	4-Terphenyl-d14	0.976	0.891	0.809	0.843	0.861	0.855	0.903	0.898	0.927	0.893	0.885	5.27
97)	T	Butyl benzyl phthalate			0.286	0.319	0.377	0.417	0.499	0.534	0.569	0.546	*L	0.9976
98)	I	IS2_Phenanthrene-d10	----------ISTD----------											
99)	T	Diphenamid		0.313	0.305	0.324	0.345	0.372	0.421	0.443	0.460	0.458	0.382	16.71
100)	I	IS3_Phenanthrene-d10	----------ISTD----------											
101)	T	n-Octadecane		0.345	0.354	0.336	0.355	0.377	0.381	0.495	0.500	0.492	0.404	17.37
102)	T	Parathion			0.049	0.046	0.050	0.055	0.075	0.116	0.130		*Q	0.9968
103)	T	3,3'-Dimethylbenzidine			0.314	0.304	0.383	0.423	0.538	0.734	0.801	0.833	*Q	0.9970
104)	I	IS1_Chrysene-d12	----------ISTD----------											
105)	T	Benzo[a]anthracene	1.420	1.220	1.172	1.185	1.189	1.206	1.239	1.232	1.231	1.226	1.232	5.66
106)	T	3,3'-Dichlorobenzidine		0.340	0.347	0.379	0.409	0.449	0.489	0.500	0.502	0.498	*L	0.9995
107)	T	Chrysene	1.568	1.365	1.236	1.234	1.186	1.181	1.176	1.158	1.146	1.126	1.238	10.85
108)	T	bis(2-Ethylhexyl)phthalate		0.442	0.454	0.507	0.616	0.698	0.773	0.813	0.824	0.812	*L	0.9990

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Soils Engineering Services, Inc.**	**Lab Number**	**: L2040316**
Project Name	**: CONEY ISLAND**	**Project Number**	**: 11404**
Instrument ID	**: SV109**	**Ical Ref**	**: ICAL17119**
Calibration dates	**: 09/11/20 16:36 09/14/20 09:04**		

Calibration Files

1.0 =ADPL1a.D 2.0 =ABNL2.D 3.0 =ABNL3.D 5.0 =ABNL4.D 10 =AP9L5.D 20 =AP9L6.D 50 =ADPL7.D

100 =AP9L8.D 150 =AP9L9.D 200 =AP9L10.D

		Compound	1.0	2.0	3.0	5.0	10	20	50	100	150	200	Avg	%RSD
109)	T	Di-n-octylphthalate			0.645	0.692	0.864	1.042	1.280	1.397	1.452		*L	0.9956
110)	T	Benzo(b)fluoranthene	1.227	1.119	1.085	1.133	1.105	1.165	1.262	1.240	1.212	1.264	1.181	5.74
111)	T	Benzo(k)fluoranthene	1.207	1.114	1.044	1.103	1.108	1.135	1.195	1.166	1.151	1.168	1.139	4.27
112)	T	Benzo(a)pyrene	0.935	0.888	0.870	0.918	0.940	0.997	1.098	1.081	1.064	1.104	0.990	9.18
113)	I	IS1_Perylene-d12	----------ISTD----------											
114)	T	Indeno(1,2,3-cd)pyrene	0.976	0.918	0.884	0.927	0.957	1.011	1.114	1.114	1.119	1.149	1.017	9.70
115)	T	Dibenzo[a,h]anthracene	1.098	1.038	1.013	1.066	1.069	1.097	1.165	1.157	1.168	1.195	1.107	5.58
116)	T	Benzo(g,h,i)perylene	1.201	1.098	1.041	1.108	1.076	1.130	1.181	1.157	1.140	1.167	1.130	4.39

Response Factor Report SV109

Method Path : I:\8270\SV109\200911ical\
Method File : FS200911SV109.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Sep 14 13:39:11 2020
Response Via : Initial Calibration

Calibration Files
1.0 =ADPL1a.D 2.0 =ABNL2.D 3.0 =ABNL3.D 5.0 =ABNL4.D 10 =AP9L5.D 20 =AP9L6.D 50 =ADPL7.D
100 =AP9L8.D 150 =AP9L9.D 200 =AP9L10.D

		Compound	1.0	2.0	3.0	5.0	10	20	50	100	150	200	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------											
2)	t	N-Nitrosodimethylamine	0.818	0.743	0.729	0.755	0.753	0.748	0.771	0.746	0.751	0.748	0.756	3.20
3)	t	Pyridine	1.527	1.382	1.224	1.299	1.295	1.268	1.344	1.274	1.300	1.297	1.321	6.35
4)	S	2-Fluorophenol	1.246	1.223	1.104	1.156	1.173	1.167	1.241	1.213	1.211	1.220	1.195	3.71
5)	T	Aniline	2.244	2.065	1.882	1.960	1.984	1.941	2.032	1.940	1.963	1.965	1.998	5.01
6)	t	2-Chlorophenol	1.544	1.341	1.284	1.290	1.320	1.318	1.401	1.335	1.350	1.358	1.354	5.51
7)	S	Phenol-d6	1.726	1.472	1.388	1.417	1.456	1.437	1.524	1.462	1.474	1.489	1.484	6.26
8)	T	Phenol	1.825	1.802	1.727	1.687	1.719	1.740	1.809	1.730	1.756	1.764	1.756	2.52
9)	T	bis(2-Chloroethyl)ether	1.401	1.331	1.184	1.231	1.218	1.207	1.234	1.176	1.189	1.195	1.237	5.87
10)	T	1,3-Dichlorobenzene	1.988	1.653	1.568	1.529	1.503	1.468	1.537	1.474	1.481	1.488	1.569	10.04
11)	T	1,4-Dichlorobenzene	1.957	1.745	1.631	1.581	1.558	1.512	1.563	1.482	1.504	1.501	1.603	9.14
12)	T	1,2-Dichlorobenzene	1.806	1.620	1.494	1.514	1.483	1.437	1.492	1.415	1.424	1.443	1.513	7.86
13)	t	Benzyl alcohol	1.083	0.962	0.888	0.935	0.969	0.977	1.043	1.000	1.018	1.018	0.989	5.64
14)	T	bis(2-chloroisopropyl)ether	2.041	1.797	1.648	1.617	1.616	1.583	1.606	1.521	1.522	1.518	1.647	9.77
15)	T	2-Methylphenol	1.380	1.191	1.180	1.131	1.188	1.201	1.230	1.192	1.202	1.212	1.211	5.36
16)	T	Hexachloroethane	0.694	0.618	0.549	0.557	0.552	0.552	0.576	0.556	0.559	0.567	0.578	7.87
17)	T	n-Nitrosodi-n-propylamine	0.926	0.786	0.776	0.783	0.837	0.841	0.882	0.850	0.860	0.856	0.840	5.62
18)	T	3-Methylphenol/4-Methylphenol	1.421	1.291	1.217	1.272	1.268	1.285	1.317	1.261	1.285	1.280	1.290	4.09
19)	S	Nitrobenzene-d5	1.420	1.326	1.279	1.267	1.314	1.322	1.361	1.306	1.322	1.317	1.323	3.22
20)	T	Nitrobenzene	1.424	1.322	1.227	1.246	1.282	1.303	1.327	1.273	1.282	1.280	1.297	4.19
21)	T	Isophorone	2.318	2.245	2.124	2.187	2.407	2.439	2.492	2.397	2.436	2.399	2.344	5.17
22)	T	2-Nitrophenol		0.544	0.566	0.606	0.661	0.678	0.736	0.721	0.741	0.735	0.665	11.52
23)	T	2,4-Dimethylphenol	1.368	1.302	1.237	1.272	1.328	1.333	1.383	1.315	1.344	1.339	1.322	3.28
24)	T	bis(2-Chloroethoxy)methane	1.848	1.645	1.600	1.548	1.649	1.625	1.606	1.530	1.543	1.528	1.612	5.89
25)	T	2,4-Dichlorophenol	1.104	1.096	1.070	1.105	1.162	1.152	1.194	1.135	1.159	1.160	1.134	3.38
26)	T	1,2,4-Trichlorobenzene	1.624	1.413	1.332	1.319	1.299	1.267	1.293	1.239	1.254	1.252	1.329	8.68
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------											
28)	T	Benzaldehyde		1.025	0.987	0.995	0.985	0.997	1.014	1.020	1.023	1.017	1.007	1.55
29)	T	Acetophenone		1.714	1.666	1.650	1.678	1.685	1.747	1.728	1.740	1.730	1.704	2.07
30)	T	m-Toluidine		1.752	1.761	1.702	1.713	1.760	1.806	1.817	1.823	1.807	1.771	2.52
31)	T	2-Chloroaniline		1.612	1.604	1.611	1.588	1.601	1.636	1.639	1.636	1.633	1.618	1.16
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------											
33)		1,4-Dioxane	0.785	0.504	0.587	0.475	0.444	0.448	0.432	0.492	0.505	0.498	*L	0.9973
34)	T	n-Decane	1.963	1.508	1.438	1.399	1.330	1.326	1.306	1.504	1.556	1.526	1.485	12.83
35)	I	IS1_Naphthalene-d8	----------ISTD----------											
36)	T	Naphthalene	1.280	1.123	1.065	1.041	1.016	0.997	1.004	0.964	0.968	0.957	1.041	9.42
37)	T	Benzoic Acid				0.063	0.133	0.192	0.236	0.247	0.259	0.258	*L	0.9995
38)	T	4-Chloroaniline	0.135	0.119	0.113	0.123	0.118	0.119	0.120	0.116	0.117	0.115	0.119	4.98
39)	T	Hexachlorobutadiene	0.213	0.200	0.187	0.176	0.178	0.173	0.177	0.172	0.173	0.175	0.182	7.50
40)	T	p-Chloro-m-cresol	0.309	0.273	0.260	0.266	0.276	0.280	0.286	0.280	0.286	0.284	0.280	4.70
41)	T	2-Methylnaphthalene	0.812	0.739	0.676	0.683	0.683	0.678	0.672	0.649	0.663	0.662	0.692	7.03
42)	T	1-Methylnaphthalene	0.261	0.237	0.222	0.216	0.217	0.213	0.214	0.205	0.210	0.207	0.220	7.67
43)	T	Hexachlorocyclopentadiene			0.214	0.228	0.229	0.232	0.237	0.238	0.240	0.241	0.233	3.83
44)	T	2,4,6-Trichlorophenol	0.188	0.185	0.177	0.194	0.200	0.208	0.212	0.210	0.216	0.214	0.200	6.75
45)	T	2,4,5-Trichlorophenol	0.226	0.204	0.196	0.211	0.227	0.226	0.231	0.223	0.230	0.225	0.220	5.47

Response Factor Report SV109

Method Path : I:\8270\SV109\200911ical\
Method File : FS200911SV109.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Sep 14 13:39:11 2020
Response Via : Initial Calibration

Calibration Files
1.0 =ADPL1a.D 2.0 =ABNL2.D 3.0 =ABNL3.D 5.0 =ABNL4.D 10 =AP9L5.D 20 =AP9L6.D 50 =ADPL7.D
100 =AP9L8.D 150 =AP9L9.D 200 =AP9L10.D

		Compound	1.0	2.0	3.0	5.0	10	20	50	100	150	200	Avg	%RSD
46)	S	2-Fluorobiphenyl	0.941	0.822	0.762	0.776	0.764	0.745	0.753	0.713	0.724	0.712	0.771	8.83
47)	T	2-Chloronaphthalene	0.788	0.707	0.653	0.646	0.656	0.639	0.634	0.619	0.629	0.618	0.659	7.87
48)	T	2-Nitroaniline		0.154	0.150	0.163	0.179	0.197	0.211	0.212	0.218	0.212	0.188	14.46
49)	T	1,4-Dinitrobenzene		0.074	0.070	0.073	0.086	0.093	0.100	0.099	0.104	0.100	0.089	15.17
50)	T	1,3-Dinitrobenzene		0.090	0.081	0.089	0.102	0.110	0.114	0.113	0.118	0.114	0.103	13.20
51)	T	Dimethyl phthalate	0.806	0.726	0.690	0.730	0.748	0.748	0.746	0.720	0.741	0.715	0.737	4.12
52)	T	Acenaphthylene	1.186	1.073	1.035	1.057	1.097	1.087	1.098	1.049	1.067	1.037	1.079	4.10
53)	T	2,6-Dinitrotoluene	0.127	0.126	0.119	0.134	0.152	0.159	0.162	0.158	0.163	0.155	0.145	11.76
54)	T	1,2-Dinitrobenzene		0.057	0.055	0.062	0.069	0.074	0.074	0.073	0.075	0.072	0.068	11.43
55)	I	IS2_Naphthalene-d8	----------ISTD----------											
56)	T	a-Terpineol		0.232	0.233	0.224	0.233	0.239	0.252	0.255	0.255	0.250	0.242	4.93
57)	T	3-Chloroaniline		0.129	0.125	0.129	0.127	0.125	0.126	0.126	0.123	0.122	0.126	1.92
58)	T	2,6-Dichlorophenol		0.206	0.219	0.225	0.227	0.243	0.255	0.255	0.255	0.255	0.238	7.97
59)	T	1-chloro-2-nitrobenzene		0.117	0.120	0.115	0.116	0.117	0.124	0.125	0.126	0.125	0.121	3.77
60)	T	Caprolactam				0.085	0.098	0.114	0.128	0.133	0.136	0.134	0.118	16.98
61)	T	1,2,4,5-Tetrachlorobenzene		0.314	0.311	0.291	0.288	0.283	0.284	0.283	0.287	0.283	0.292	4.17
62)	T	Biphenyl		0.820	0.824	0.773	0.779	0.764	0.758	0.748	0.757	0.742	0.774	3.83
63)	I	IS1_Acenaphthene-d10	----------ISTD----------											
64)	T	3-Nitroaniline		0.261	0.285	0.300	0.322	0.338	0.352	0.351	0.353	0.345	0.323	10.40
65)	T	Acenaphthene	1.432	1.254	1.143	1.154	1.129	1.095	1.118	1.101	1.083	1.083	1.159	9.33
66)	T	2,4-Dinitrophenol				0.107	0.134	0.163	0.189	0.202	0.210	0.204	*L	0.9991
67)	T	Dibenzofuran	2.238	1.937	1.763	1.794	1.730	1.702	1.728	1.674	1.643	1.621	1.783	10.27
68)	T	2,4-Dinitrotoluene		0.299	0.307	0.334	0.362	0.385	0.406	0.405	0.408	0.399	0.367	11.93
69)	T	4-Nitrophenol		0.198	0.194	0.216	0.236	0.251	0.262	0.259	0.260	0.253	0.237	11.44
70)	T	2,3,5,6-Tetrachlorophenol		0.301	0.296	0.308	0.326	0.334	0.349	0.349	0.350	0.348	0.329	6.68
71)	T	2,3,4,6-Tetrachlorophenol	0.289	0.304	0.289	0.319	0.335	0.332	0.341	0.336	0.336	0.337	0.322	6.31
72)	T	Diethyl phthalate	1.481	1.341	1.293	1.345	1.365	1.360	1.398	1.375	1.377	1.341	1.368	3.56
73)	T	Fluorene	1.635	1.459	1.330	1.362	1.345	1.316	1.336	1.326	1.324	1.320	1.375	7.30
74)	T	4-Chlorophenyl-phenylether	0.777	0.731	0.667	0.663	0.655	0.638	0.642	0.628	0.628	0.619	0.665	7.62
75)	T	4-Nitroaniline		0.251	0.269	0.285	0.318	0.327	0.344	0.341	0.344	0.331	0.312	11.21
76)	T	4,6-Dinitro-o-cresol			0.102	0.135	0.169	0.193	0.222	0.228	0.236	0.229	*L	0.9993
77)	T	NDPA/DPA	1.240	1.172	1.067	1.127	1.135	1.121	1.147	1.127	1.124	1.106	1.137	3.97
78)	T	Azobenzene	1.247	1.179	1.149	1.215	1.233	1.218	1.242	1.214	1.196	1.179	1.207	2.59
79)	S	2,4,6-Tribromophenol	0.153	0.194	0.177	0.196	0.198	0.210	0.223	0.223	0.231	0.230	0.203	12.44
80)	T	4-Bromophenyl-phenylether	0.421	0.382	0.351	0.360	0.370	0.351	0.368	0.365	0.373	0.366	0.371	5.36
81)	T	Hexachlorobenzene	0.558	0.484	0.454	0.454	0.444	0.432	0.434	0.433	0.440	0.433	0.457	8.57
82)	T	Pentachlorophenol			0.169	0.202	0.226	0.255	0.280	0.285	0.299	0.288	*L	0.9993
83)	I	IS2_Acenaphthene-d10	----------ISTD----------											
84)	T	Dichloran			0.080	0.094	0.101	0.113	0.138	0.152	0.162	0.162	*L	0.9961
85)	T	Pentachloronitrobenzene			0.102	0.115	0.123	0.134	0.144	0.150	0.156	0.155	0.135	14.75
86)	I	IS3_Acenaphthene-d10	----------ISTD----------											
87)	T	Atrazine			0.218	0.216	0.227	0.239	0.267	0.354	0.373	0.382	*Q	0.9972
88)	I	IS1_Phenanthrene-d10	----------ISTD----------											
89)	T	Phenanthrene	1.348	1.204	1.092	1.084	1.058	1.040	1.033	1.012	1.023	0.996	1.089	9.95
90)	T	Anthracene	1.213	1.114	1.038	1.035	1.033	1.045	1.081	1.048	1.058	1.036	1.070	5.28

Response Factor Report SV109

Method Path : I:\8270\SV109\200911ical\
Method File : FS200911SV109.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Sep 14 13:39:11 2020
Response Via : Initial Calibration

Calibration Files
1.0 =ADPL1a.D 2.0 =ABNL2.D 3.0 =ABNL3.D 5.0 =ABNL4.D 10 =AP9L5.D 20 =AP9L6.D 50 =ADPL7.D
100 =AP9L8.D 150 =AP9L9.D 200 =AP9L10.D

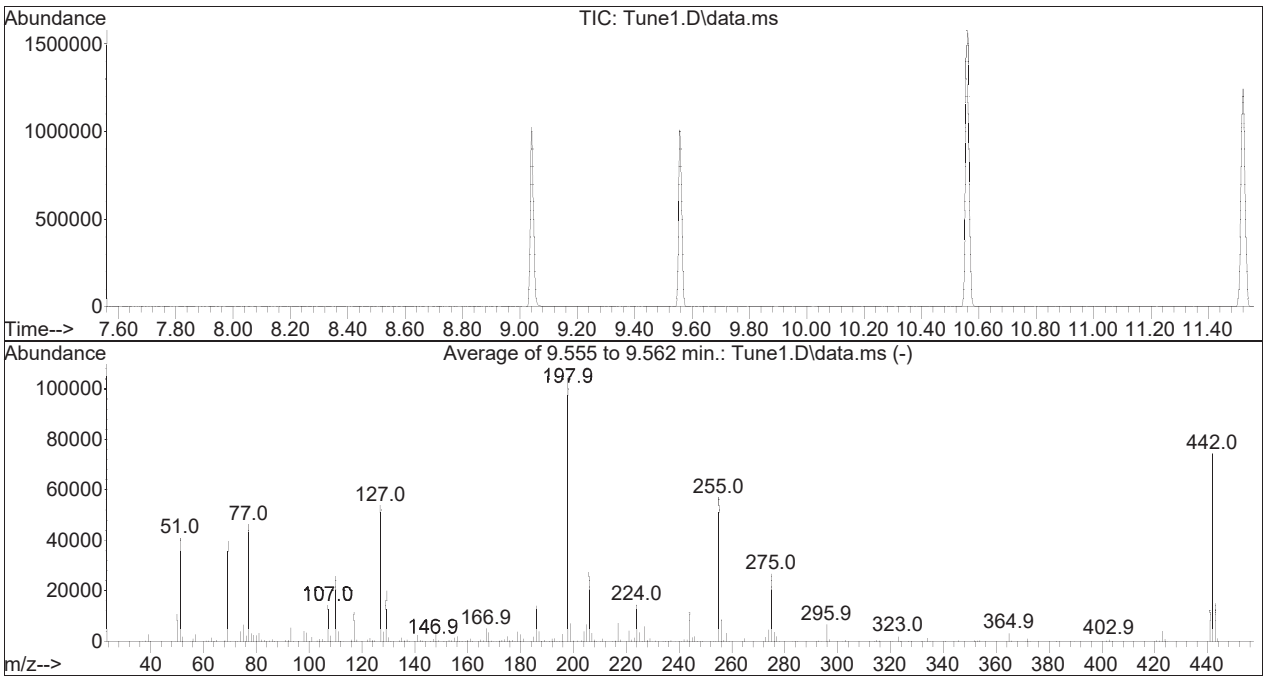
		Compound	1.0	2.0	3.0	5.0	10	20	50	100	150	200	Avg	%RSD
91)	T	Carbazole	1.086	0.946	0.911	0.957	0.982	0.988	1.016	0.977	0.998	0.968	0.983	4.73
92)	T	Di-n-butylphthalate	0.998	0.920	0.864	0.949	1.027	1.096	1.176	1.204	1.230	1.189	1.065	12.37
93)	T	Fluoranthene	1.260	1.096	1.065	1.085	1.104	1.123	1.167	1.155	1.191	1.156	1.140	5.08
94)	T	Benzidine		0.535	0.541	0.598	0.670	0.748	0.847	0.879	0.922	0.890	*L	0.9984
95)	T	Pyrene	1.353	1.203	1.140	1.181	1.191	1.198	1.234	1.218	1.238	1.190	1.215	4.62
96)	S	4-Terphenyl-d14	0.976	0.891	0.809	0.843	0.861	0.855	0.903	0.898	0.927	0.893	0.885	5.27
97)	T	Butyl benzyl phthalate			0.286	0.319	0.377	0.417	0.499	0.534	0.569	0.546	*L	0.9976
98)	I	IS2_Phenanthrene-d10	----------ISTD----------											
99)	T	Diphenamid		0.313	0.305	0.324	0.345	0.372	0.421	0.443	0.460	0.458	0.382	16.71
100)	I	IS3_Phenanthrene-d10	----------ISTD----------											
101)	T	n-Octadecane		0.345	0.354	0.336	0.355	0.377	0.381	0.495	0.500	0.492	0.404	17.37
102)	T	Parathion			0.049	0.046	0.050	0.055	0.075	0.116	0.130		*Q	0.9968
103)	T	3,3'-Dimethylbenzidine			0.314	0.304	0.383	0.423	0.538	0.734	0.801	0.833	*Q	0.9970
104)	I	IS1_Chrysene-d12	----------ISTD----------											
105)	T	Benzo[a]anthracene	1.420	1.220	1.172	1.185	1.189	1.206	1.239	1.232	1.231	1.226	1.232	5.66
106)	T	3,3'-Dichlorobenzidine		0.340	0.347	0.379	0.409	0.449	0.489	0.500	0.502	0.498	*L	0.9995
107)	T	Chrysene	1.568	1.365	1.236	1.234	1.186	1.181	1.176	1.158	1.146	1.126	1.238	10.85
108)	T	bis(2-Ethylhexyl)phthalate		0.442	0.454	0.507	0.616	0.698	0.773	0.813	0.824	0.812	*L	0.9990
109)	T	Di-n-octylphthalate			0.645	0.692	0.864	1.042	1.280	1.397	1.452		*L	0.9956
110)	T	Benzo(b)fluoranthene	1.227	1.119	1.085	1.133	1.105	1.165	1.262	1.240	1.212	1.264	1.181	5.74
111)	T	Benzo(k)fluoranthene	1.207	1.114	1.044	1.103	1.108	1.135	1.195	1.166	1.151	1.168	1.139	4.27
112)	T	Benzo(a)pyrene	0.935	0.888	0.870	0.918	0.940	0.997	1.098	1.081	1.064	1.104	0.990	9.18
113)	I	IS1_Perylene-d12	----------ISTD----------											
114)	T	Indeno(1,2,3-cd)pyrene	0.976	0.918	0.884	0.927	0.957	1.011	1.114	1.114	1.119	1.149	1.017	9.70
115)	T	Dibenzo[a,h]anthracene	1.098	1.038	1.013	1.066	1.069	1.097	1.165	1.157	1.168	1.195	1.107	5.58
116)	T	Benzo(g,h,i)perylene	1.201	1.098	1.041	1.108	1.076	1.130	1.181	1.157	1.140	1.167	1.130	4.39

(#) = Out of Range

Data Path : I:\8270\SV109\200911ical\
Data File : Tune1.D
Acq On : 11 Sep 2020 4:12 pm
Operator : sv109:dw
Sample : Tune1
Misc : WG1409654,,
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV109\200911ical\FS200911SV109.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Sep 14 13:39:11 2020



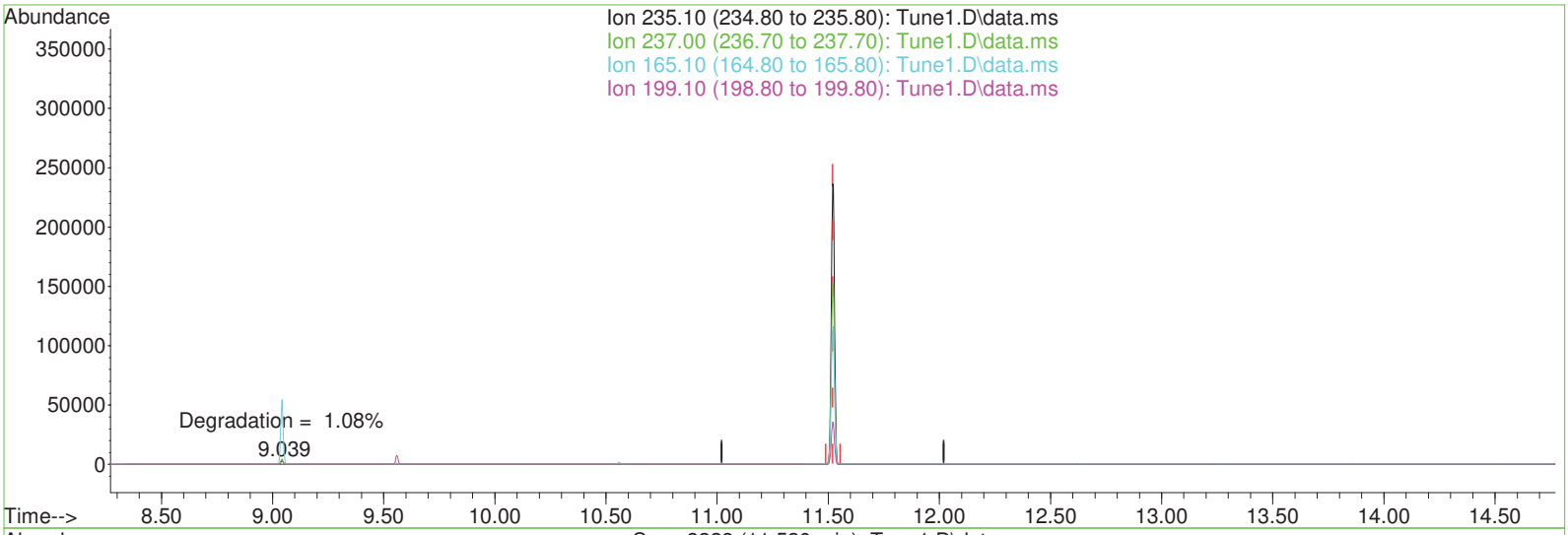
Spectrum Information: Average of 9.555 to 9.562 min.

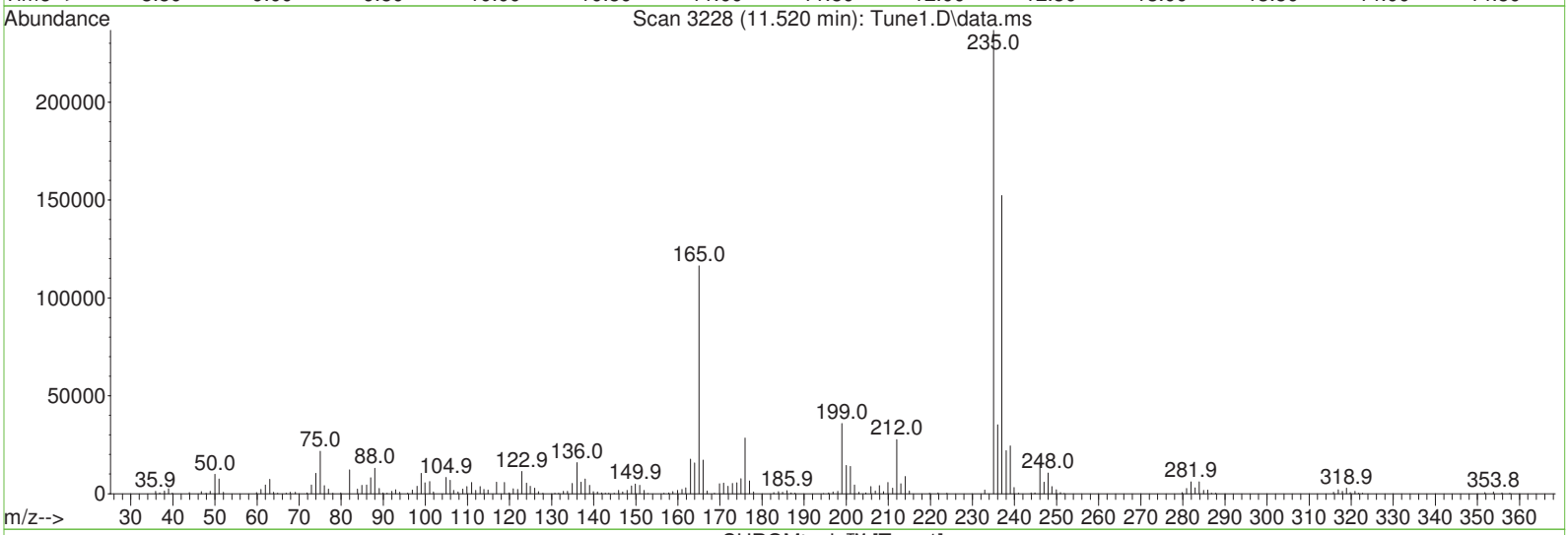
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.1	40821	PASS
68	69	0.00	2	1.7	660	PASS
69	69	100	100	100.0	39725	PASS
70	69	0.00	2	0.6	236	PASS
127	198	10	80	51.5	53811	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	104448	PASS
199	198	5	9	6.5	6806	PASS
275	198	10	60	25.4	26531	PASS
365	198	1	100	3.0	3171	PASS
441	442	0.01	24	16.5	12291	PASS
442	198	50	100	71.3	74453	PASS
443	442	15	24	20.1	14980	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV109\200911ical\
Data File : Tune1.D
Acq On : 11 Sep 2020 4:12 pm
Operator : sv109:
Sample : Tune1
Misc : SV109 200911ical
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 14 14:28:21 2020
Quant Method : I:\8270\SV109\200911ical\dftppsv109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 14:28:08 2020
Response via : Initial Calibration





CHROMtools™ [Tune1]

(6) DDT (T)

11.520min (-0.000) 38.78 Lin

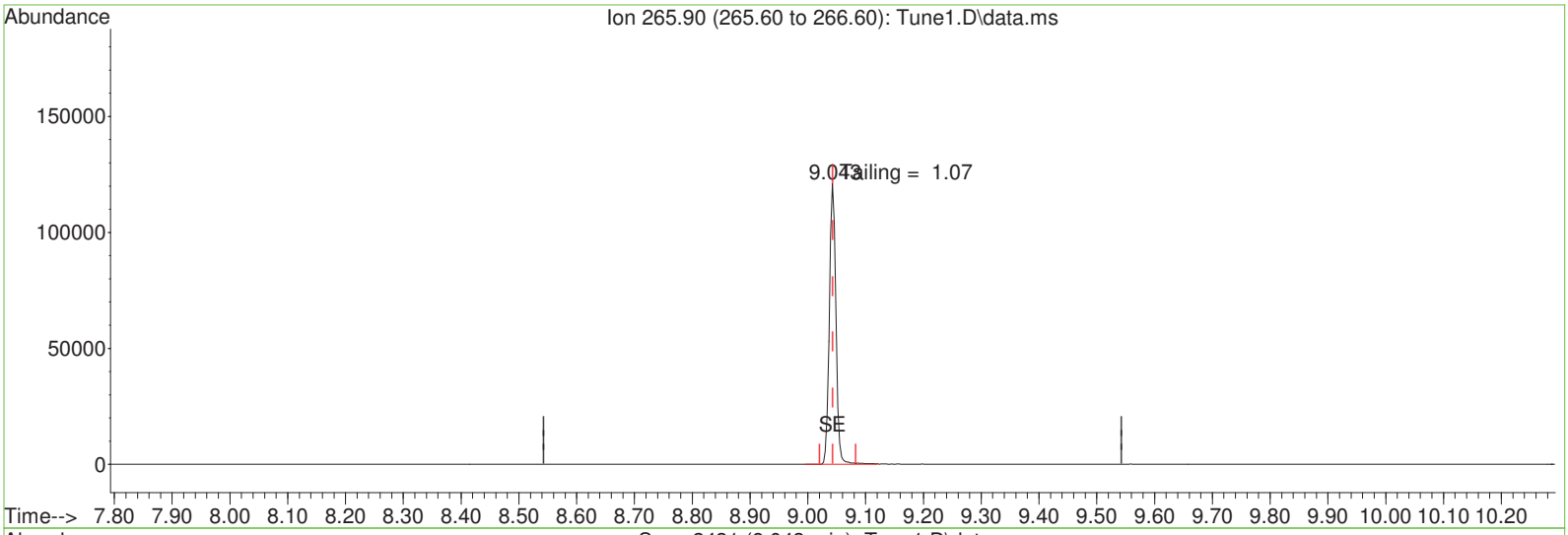
response 236420

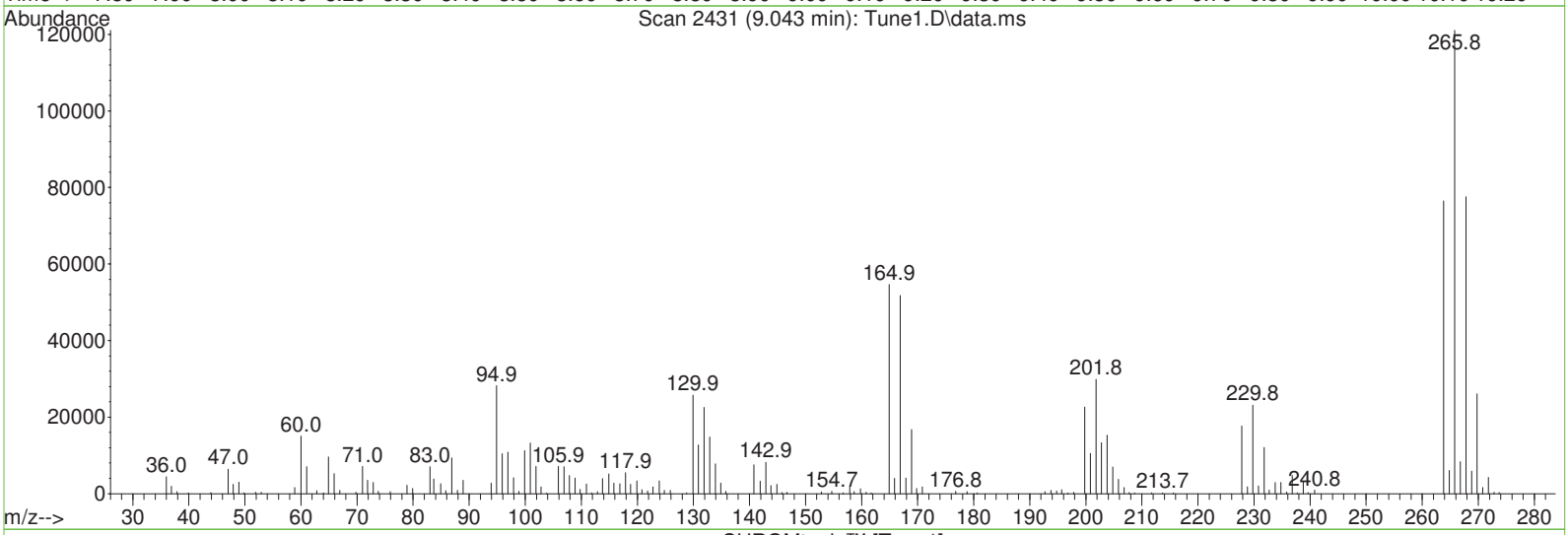
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.10	64.57
165.10	49.00	50.06
199.10	12.10	14.89

Quantitation Report (Qedit)

Data Path : I:\8270\SV109\200911ical\
Data File : Tune1.D
Acq On : 11 Sep 2020 4:12 pm
Operator : sv109:
Sample : Tune1
Misc : SV109 200911ical
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 14 14:28:21 2020
Quant Method : I:\8270\SV109\200911ical\dftppsv109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 14:28:08 2020
Response via : Initial Calibration





CHROMtools™ [Tune1]

(1) Pentachlorophenol (T)

9.043min (-0.000) 45.09 Lin

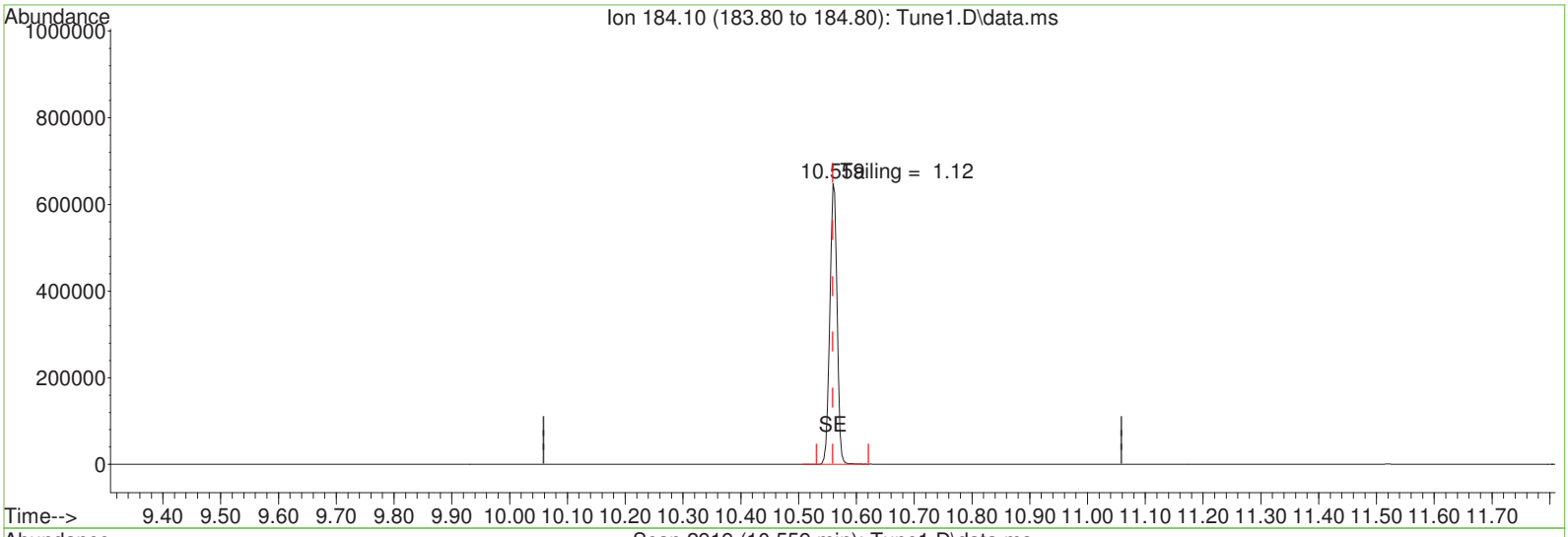
response 94707

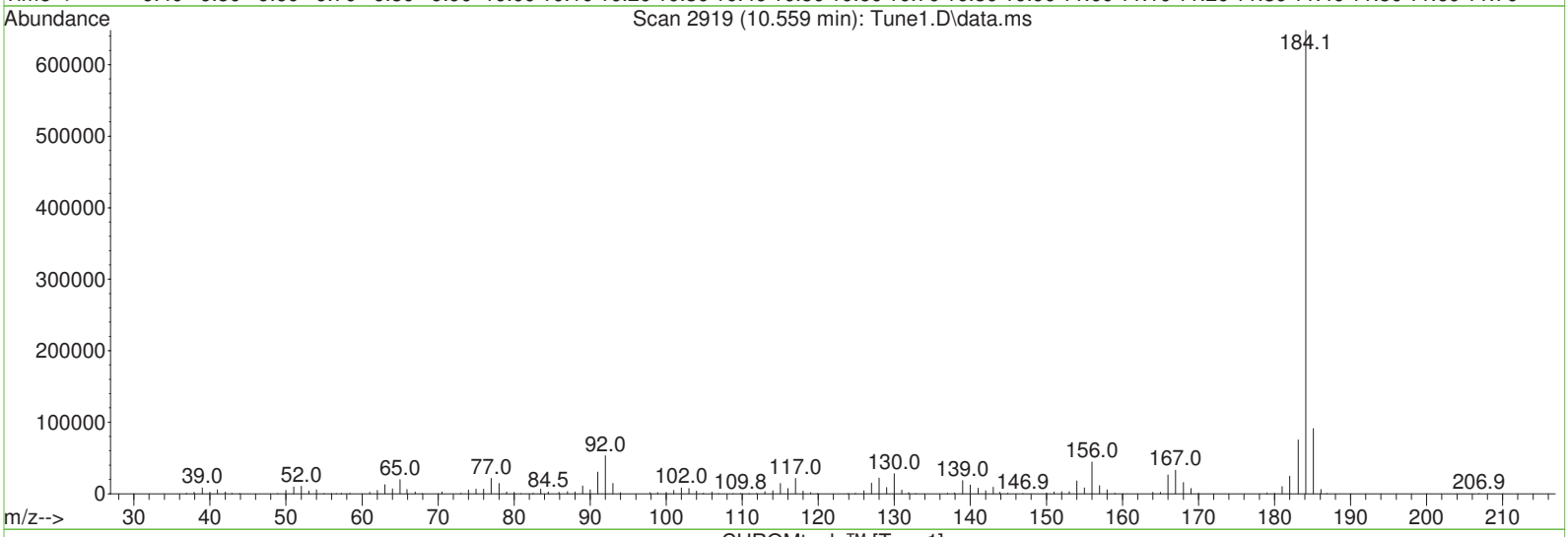
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV109\200911ical\
Data File : Tune1.D
Acq On : 11 Sep 2020 4:12 pm
Operator : sv109:
Sample : Tune1
Misc : SV109 200911ical
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 14 14:28:21 2020
Quant Method : I:\8270\SV109\200911ical\dftppsv109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 14:28:08 2020
Response via : Initial Calibration





CHROMtools™ [Tune1]

(3) Benzidine (T)

10.559min (+ 0.000) 55.53 Lin

response 565272

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL10.D
Acq On : 11 Sep 2020 4:36 pm
Operator : sv109:dw
Sample : IL1,32,,ABNL200 Lot# 8895
Misc : WG1409654,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 13 12:08:23 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.828	152	118096	40.000	ug/ml	0.00
Standard Area 1 = 108868			Recovery = 108.48%			
35) IS1_Naphthalene-d8	6.071	136	481482	40.000	ug/ml	0.00
Standard Area 1 = 452978			Recovery = 106.29%			
63) IS1_Acenaphthene-d10	7.778	164	263275	40.000	ug/ml	0.00
Standard Area 1 = 249022			Recovery = 105.72%			
88) IS1_Phenanthrene-d10	9.217	188	503746	40.000	ug/ml	0.00
Standard Area 1 = 478336			Recovery = 105.31%			
104) IS1_Chrysene-d12	12.104	240	501502	40.000	ug/ml	0.01
Standard Area 1 = 472032			Recovery = 106.24%			
113) IS1_Perylene-d12	14.249	264	523869	40.000	ug/ml	0.00
Standard Area 1 = 489564			Recovery = 107.01%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.551	112	720583	196.630	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 393.26%#			
7) Phenol-d6	4.505	99	878941	195.330	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 390.66%#			
19) Nitrobenzene-d5	5.375	82	777783	193.513	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 774.05%#			
46) 2-Fluorobiphenyl	7.140	172	1714552	189.134	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 756.54%#			
79) 2,4,6-Tribromophenol	8.548	330	302969	206.776	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 413.55%#			
96) 4-Terphenyl-d14	10.827	244	2248231	197.712	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 790.85%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.180	74	441662	193.926	ug/ml#	78
3) Pyridine	2.208	79	766067	193.118	ug/ml	82
5) Aniline	4.511	93	1160428	193.435	ug/ml	96
6) 2-Chlorophenol	4.626	128	802014	193.923	ug/ml	97
8) Phenol	4.517	94	1041546	194.990	ug/ml	95
9) Bis(2-chloroethyl)ether	4.592	93	705547	193.642	ug/ml	93
10) 1,3-Dichlorobenzene	4.772	146	878485	193.611	ug/ml	99
11) 1,4-Dichlorobenzene	4.844	146	886218	192.070	ug/ml	100
12) 1,2-Dichlorobenzene	4.993	146	852293	193.525	ug/ml	99
13) Benzyl alcohol	4.983	79	600986	195.109	ug/ml	97
14) Bis(2-chloroisopropyl)...	5.123	45	896628	189.098	ug/ml#	88

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL10.D
Acq On : 11 Sep 2020 4:36 pm
Operator : sv109:dw
Sample : IL1,32,,ABNL200 Lot# 8895
Misc : WG1409654,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 13 12:08:23 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.105	108	715416	196.959	ug/ml	98
16) Hexachloroethane	5.322	117	335059	197.144	ug/ml	95
17) n-Nitrosodi-n-propylamine	5.254	70	505309	194.093	ug/ml	97
18) 3-Methylphenol/4-Methy...	5.266	108	756048	194.468	ug/ml	99
20) Nitrobenzene	5.394	77	755617	192.897	ug/ml	96
21) Isophorone	5.639	82	1416317	192.525	ug/ml	98
22) 2-Nitrophenol	5.708	139	433906	199.617	ug/ml	96
23) 2,4-Dimethylphenol	5.779	107	790691	193.636	ug/ml	100
24) Bis(2-chloroethoxy)met...	5.866	93	902269	190.281	ug/ml	99
25) 2,4-Dichlorophenol	5.947	162	684869	194.243	ug/ml	98
26) 1,2,4-Trichlorobenzene	6.025	180	739277	193.608	ug/ml	98
36) Naphthalene	6.093	128	2303661	190.602	ug/ml	100
37) Benzoic Acid	5.935	105	621583	219.108	ug/ml	98
38) 4-Chloroaniline	6.158	65	277612	192.441	ug/ml	92
39) Hexachlorobutadiene	6.236	225	420496	197.570	ug/ml	99
40) p-Chloro-m-cresol	6.646	107	684510	198.502	ug/ml	99
41) 2-Methylnaphthalene	6.771	142	1594616	197.104	ug/ml	99
42) 1-Methylnaphthalene	6.864	115	499016	194.066	ug/ml	98
43) Hexachlorocyclopentadiene	6.935	237	580715	203.200	ug/ml	99
44) 2,4,6-Trichlorophenol	7.053	196	514196	201.157	ug/ml	100
45) 2,4,5-Trichlorophenol	7.081	196	542303	195.063	ug/ml	98
47) 2-Chloronaphthalene	7.240	162	1488983	194.991	ug/ml	99
48) 2-Nitroaniline	7.352	138	509636	200.610	ug/ml	94
49) 1,4-Dinitrobenzene	7.485	168	240370	199.004	ug/ml	86
50) 1,3-Dinitrobenzene	7.560	168	274611	200.147	ug/ml	81
51) Dimethyl phthalate	7.554	163	1720480	191.487	ug/ml	100
52) Acenaphthylene	7.641	152	2495898	188.775	ug/ml	100
53) 2,6-Dinitrotoluene	7.597	165	374289	192.453	ug/ml	94
54) 1,2-Dinitrobenzene	7.647	168	173044	194.304	ug/ml	78
64) 3-Nitroaniline	7.756	138	454342	196.125	ug/ml#	95
65) Acenaphthene	7.812	154	1425401	193.659	ug/ml	100
66) 2,4-Dinitrophenol	7.852	184	268366	216.072	ug/ml	91
67) Dibenzofuran	7.980	168	2133218	187.566	ug/ml	99
68) 2,4-Dinitrotoluene	7.986	165	524780	196.332	ug/ml#	85
69) 4-Nitrophenol	7.936	65	333040	193.421	ug/ml	90
70) 2,3,5,6-Tetrachlorophenol	8.067	232	458028	199.633	ug/ml	100
71) 2,3,4,6-Tetrachlorophenol	8.107	232	443444	197.775	ug/ml	100
72) Diethyl phthalate	8.241	149	1765262	191.829	ug/ml	99
73) Fluorene	8.312	166	1737854	197.625	ug/ml	97
74) 4-Chlorophenyl phenyl ...	8.325	204	814226	192.563	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL10.D
Acq On : 11 Sep 2020 4:36 pm
Operator : sv109:dw
Sample : IL1,32,,ABNL200 Lot# 8895
Misc : WG1409654,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 13 12:08:23 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.353	138	436312	192.510	ug/ml	94
76)	4,6-Dinitro-o-cresol	8.381	198	300961	205.902	ug/ml#	85
77)	NDPA/DPA	8.446	169	1455331	192.831	ug/ml	99
78)	Azobenzene	8.480	77	1552140	189.797	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.797	248	481666	199.021	ug/ml	98
81)	Hexachlorobenzene	8.853	284	569531	199.305	ug/ml	98
82)	Pentachlorophenol	9.046	266	378930	205.337	ug/ml	99
89)	Phenanthrene	9.242	178	2508217	192.807	ug/ml	99
90)	Anthracene	9.291	178	2609976	191.657	ug/ml	99
91)	Carbazole	9.459	167	2437984	190.573	ug/ml	100
92)	Di-n-butylphthalate	9.835	149	2994596	202.176	ug/ml	100
93)	Fluoranthene	10.404	202	2912010	198.218	ug/ml	98
94)	Benzidine	10.562	184	2240518	210.135	ug/ml	99
95)	Pyrene	10.634	202	2997819	192.931	ug/ml	100
97)	Butyl benzyl phthalate	11.427	149	1374408	218.814	ug/ml	96
105)	Benzo(a)anthracene	12.092	228	3073319	197.792	ug/ml	99
106)	3,3'-Dichlorobenzidine	12.092	252	1249355	203.782	ug/ml	98
107)	Chrysene	12.145	228	2822488	191.360	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	12.241	149	2035002	209.969	ug/ml	99
109)	Di-n-octylphthalate	13.235	149	3616337	225.419	ug/ml#	91
110)	Benzo(b)fluoranthene	13.680	252	3168943	200.323	ug/ml	98
111)	Benzo(k)fluoranthene	13.727	252	2928954	195.560	ug/ml	99
112)	Benzo(a)pyrene	14.174	252	2768929	201.076	ug/ml	98
114)	Indeno(1,2,3-cd)pyrene	15.887	276	3009904	206.276	ug/ml	98
115)	Dibenzo(a,h)anthracene	15.936	278	3130764	205.116	ug/ml	97
116)	Benzo(ghi)perylene	16.269	276	3057472	197.626	ug/ml	98

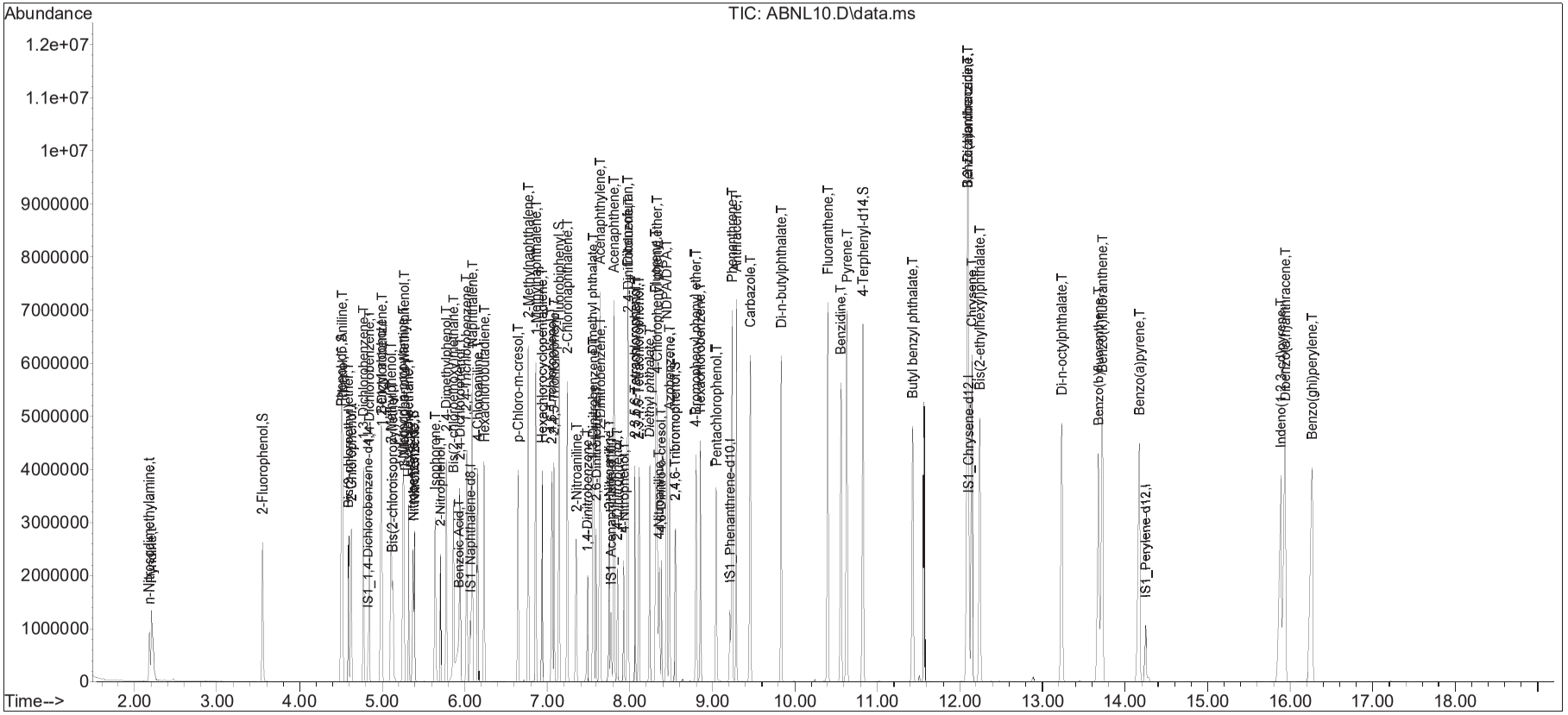
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL10.D
Acq On : 11 Sep 2020 4:36 pm
Operator : sv109:dw
Sample : IL1,32,,ABNL200 Lot# 8895
Misc : WG1409654,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 13 12:08:23 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistal\ABNL7.D•



Manual Integration Report

Data Path	: I:\8270\SV109\200911ical\	QMethod	: FS200911SV109.m
Data File	: ABNL10.D	Operator	: sv109:dw
Date Inj'd	: 9/11/2020 4:36 pm	Instrument	: SV109
Sample	: IL1,32,,ABNL200 Lot# 8895	Quant Date	: 9/13/2020 12:00 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL9.D
Acq On : 11 Sep 2020 5:00 pm
Operator : sv109:dw
Sample : IL2,32,,ABNL150 Lot# 8909
Misc : WG1409654,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 12:13:48 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.828	152	120411	40.000	ug/ml	# 0.00
Standard Area 1 = 108868			Recovery = 110.60%			
35) IS1_Naphthalene-d8	6.071	136	493163	40.000	ug/ml	0.00
Standard Area 1 = 452978			Recovery = 108.87%			
63) IS1_Acenaphthene-d10	7.778	164	274940	40.000	ug/ml	0.00
Standard Area 1 = 249022			Recovery = 110.41%			
88) IS1_Phenanthrene-d10	9.217	188	531235	40.000	ug/ml	0.00
Standard Area 1 = 478336			Recovery = 111.06%			
104) IS1_Chrysene-d12	12.101	240	539530	40.000	ug/ml	0.00
Standard Area 1 = 472032			Recovery = 114.30%			
113) IS1_Perylene-d12	14.249	264	543656	40.000	ug/ml	0.00
Standard Area 1 = 489564			Recovery = 111.05%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.551	112	546713	146.317	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 292.63%#			
7) Phenol-d6	4.502	99	665399	145.031	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 290.06%#			
19) Nitrobenzene-d5	5.375	82	597071	145.695	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 582.78%#			
46) 2-Fluorobiphenyl	7.137	172	1339851	144.299	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 577.20%#			
79) 2,4,6-Tribromophenol	8.545	330	238558	155.908	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 311.82%#			
96) 4-Terphenyl-d14	10.827	244	1845849	153.926	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 615.70%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.180	74	339048	146.008	ug/ml#	75
3) Pyridine	2.205	79	586925	145.114	ug/ml#	80
5) Aniline	4.511	93	886267	144.894	ug/ml	96
6) 2-Chlorophenol	4.623	128	609538	144.550	ug/ml	97
8) Phenol	4.514	94	792861	145.580	ug/ml	95
9) Bis(2-chloroethyl)ether	4.589	93	537098	144.576	ug/ml	93
10) 1,3-Dichlorobenzene	4.772	146	668891	144.584	ug/ml	99
11) 1,4-Dichlorobenzene	4.844	146	679087	144.349	ug/ml	99
12) 1,2-Dichlorobenzene	4.993	146	642949	143.184	ug/ml	100
13) Benzyl alcohol	4.980	79	459791	146.401	ug/ml	96
14) Bis(2-chloroisopropyl)...	5.123	45	687151	142.133	ug/ml#	89

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL9.D
Acq On : 11 Sep 2020 5:00 pm
Operator : sv109:dw
Sample : IL2,32,,ABNL150 Lot# 8909
Misc : WG1409654,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 12:13:48 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.105	108	542919	146.596	ug/ml	99
16) Hexachloroethane	5.319	117	252443	145.678	ug/ml	95
17) n-Nitrosodi-n-propylamine	5.251	70	388191	146.241	ug/ml	98
18) 3-Methylphenol/4-Methy...	5.260	108	580163	146.359	ug/ml	99
20) Nitrobenzene	5.394	77	578881	144.938	ug/ml	96
21) Isophorone	5.636	82	1099762	146.620	ug/ml	98
22) 2-Nitrophenol	5.704	139	334418	150.890	ug/ml	96
23) 2,4-Dimethylphenol	5.776	107	606949	145.781	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.866	93	696737	144.111	ug/ml	99
25) 2,4-Dichlorophenol	5.944	162	523203	145.539	ug/ml	98
26) 1,2,4-Trichlorobenzene	6.025	180	566363	145.472	ug/ml	99
36) Naphthalene	6.090	128	1790890	144.666	ug/ml	100
37) Benzoic Acid	5.919	105	478879	164.806	ug/ml	98
38) 4-Chloroaniline	6.155	65	216264	146.364	ug/ml	92
39) Hexachlorobutadiene	6.233	225	320708	147.116	ug/ml	99
40) p-Chloro-m-cresol	6.646	107	529676	149.963	ug/ml	99
41) 2-Methylnaphthalene	6.767	142	1226337	147.992	ug/ml	100
42) 1-Methylnaphthalene	6.861	115	388396	147.469	ug/ml	97
43) Hexachlorocyclopentadiene	6.935	237	443738	151.592	ug/ml	98
44) 2,4,6-Trichlorophenol	7.053	196	398969	152.383	ug/ml	100
45) 2,4,5-Trichlorophenol	7.081	196	426244	149.686	ug/ml	99
47) 2-Chloronaphthalene	7.237	162	1162992	148.694	ug/ml	99
48) 2-Nitroaniline	7.349	138	403583	155.101	ug/ml	94
49) 1,4-Dinitrobenzene	7.482	168	192865	155.892	ug/ml	85
50) 1,3-Dinitrobenzene	7.557	168	219122	155.922	ug/ml	80
51) Dimethyl phthalate	7.551	163	1370222	148.891	ug/ml	100
52) Acenaphthylene	7.638	152	1972548	145.658	ug/ml	100
53) 2,6-Dinitrotoluene	7.594	165	301404	151.306	ug/ml	93
54) 1,2-Dinitrobenzene	7.644	168	139063	152.450	ug/ml#	76
64) 3-Nitroaniline	7.753	138	364111	150.507	ug/ml#	94
65) Acenaphthene	7.812	154	1116593	145.267	ug/ml	100
66) 2,4-Dinitrophenol	7.849	184	216120	166.624	ug/ml	90
67) Dibenzofuran	7.980	168	1693644	142.598	ug/ml	98
68) 2,4-Dinitrotoluene	7.983	165	420898	150.786	ug/ml#	85
69) 4-Nitrophenol	7.933	65	268032	149.062	ug/ml	91
70) 2,3,5,6-Tetrachlorophenol	8.064	232	360428	150.429	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	8.107	232	346249	147.874	ug/ml	99
72) Diethyl phthalate	8.241	149	1419698	147.731	ug/ml	99
73) Fluorene	8.312	166	1365517	148.695	ug/ml	98
74) 4-Chlorophenyl phenyl ...	8.325	204	647570	146.652	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL9.D
Acq On : 11 Sep 2020 5:00 pm
Operator : sv109:dw
Sample : IL2,32,,ABNL150 Lot# 8909
Misc : WG1409654,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 12:13:48 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.349	138	354792	149.900	ug/ml	93
76)	4,6-Dinitro-o-cresol	8.377	198	243315	159.401	ug/ml#	85
77)	NDPA/DPA	8.446	169	1159197	147.077	ug/ml	99
78)	Azobenzene	8.480	77	1233491	144.433	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.797	248	384189	152.009	ug/ml	98
81)	Hexachlorobenzene	8.853	284	453639	152.014	ug/ml	98
82)	Pentachlorophenol	9.043	266	308100	159.872	ug/ml	100
89)	Phenanthrene	9.241	178	2037328	148.506	ug/ml	100
90)	Anthracene	9.291	178	2107654	146.761	ug/ml	100
91)	Carbazole	9.456	167	1988344	147.383	ug/ml	99
92)	Di-n-butylphthalate	9.832	149	2451168	156.924	ug/ml	100
93)	Fluoranthene	10.401	202	2371875	153.097	ug/ml	98
94)	Benzidine	10.559	184	1837251	163.397	ug/ml	99
95)	Pyrene	10.631	202	2467254	150.569	ug/ml	99
97)	Butyl benzyl phthalate	11.423	149	1133177	171.073	ug/ml	95
105)	Benzo(a)anthracene	12.089	228	2490519	148.987	ug/ml	100
106)	3,3'-Dichlorobenzidine	12.089	252	1015172	153.914	ug/ml	98
107)	Chrysene	12.138	228	2318227	146.094	ug/ml	100
108)	Bis(2-ethylhexyl)phtha...	12.241	149	1667637	159.937	ug/ml	98
109)	Di-n-octylphthalate	13.232	149	2938282	170.244	ug/ml#	91
110)	Benzo(b)fluoranthene	13.677	252	2452952	144.133	ug/ml	98
111)	Benzo(k)fluoranthene	13.720	252	2329157	144.551	ug/ml	99
112)	Benzo(a)pyrene	14.165	252	2152604	145.301	ug/ml	98
114)	Indeno(1,2,3-cd)pyrene	15.877	276	2281024	150.634	ug/ml	98
115)	Dibenzo(a,h)anthracene	15.927	278	2381848	150.370	ug/ml	97
116)	Benzo(ghi)perylene	16.260	276	2324282	144.767	ug/ml	98

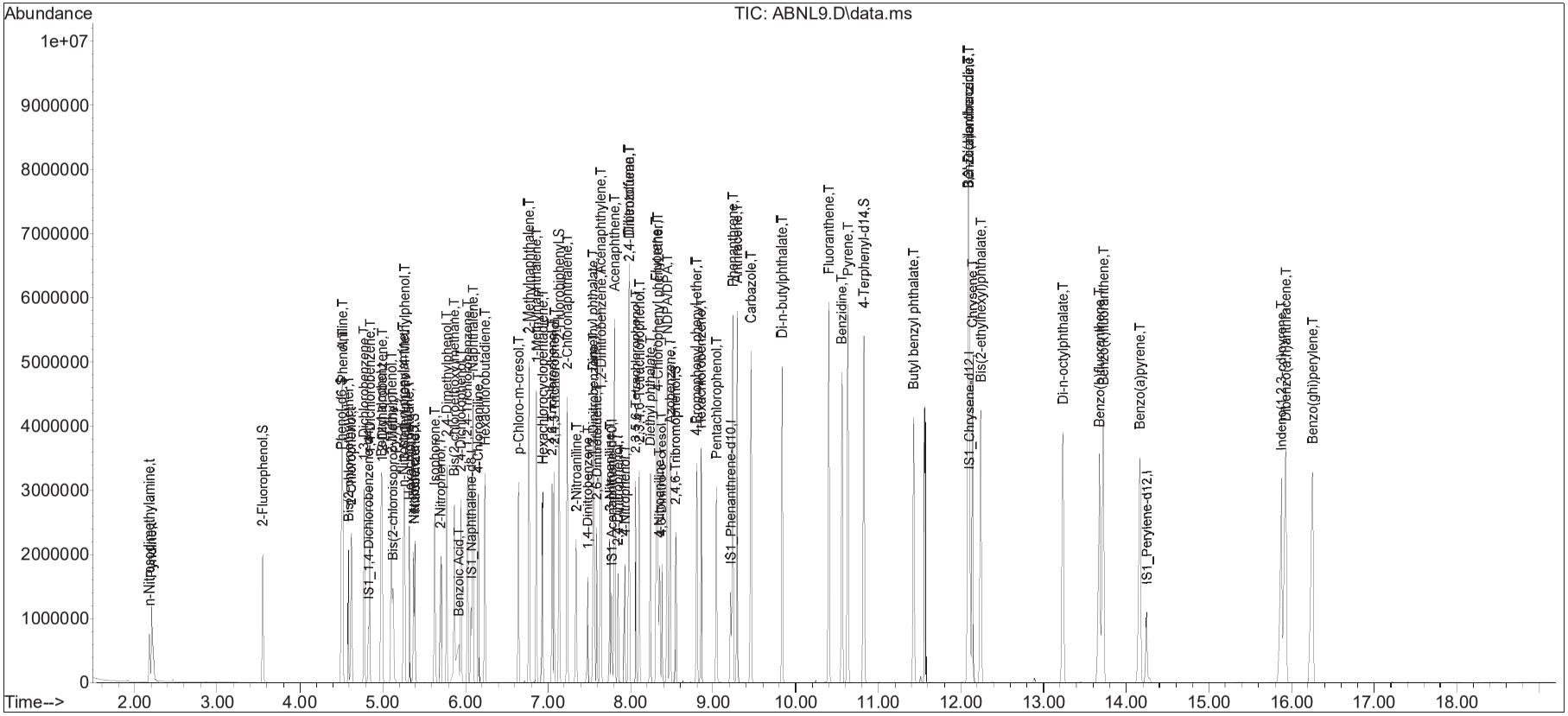
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL9.D
Acq On : 11 Sep 2020 5:00 pm
Operator : sv109:dw
Sample : IL2,32,,ABNL150 Lot# 8909
Misc : WG1409654,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 12:13:48 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistal\ABNL7.D•



Manual Integration Report

Data Path	: I:\8270\SV109\200911ical\	QMethod	: FS200911SV109.m
Data File	: ABNL9.D	Operator	: sv109:dw
Date Inj'd	: 9/11/2020 5:00 pm	Instrument	: SV109
Sample	: IL2,32,,ABNL150 Lot# 8909	Quant Date	: 9/13/2020 12:02 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL8.D
Acq On : 11 Sep 2020 5:25 pm
Operator : sv109:dw
Sample : IL3,32,,ABNL100 Lot# 8908
Misc : WG1409654,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 13 12:13:10 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.828	152	116816	40.000	ug/ml	# 0.00
Standard Area 1 = 108868			Recovery = 107.30%			
35) IS1_Naphthalene-d8	6.068	136	475120	40.000	ug/ml	0.00
Standard Area 1 = 452978			Recovery = 104.89%			
63) IS1_Acenaphthene-d10	7.778	164	255254	40.000	ug/ml	0.00
Standard Area 1 = 249022			Recovery = 102.50%			
88) IS1_Phenanthrene-d10	9.214	188	489870	40.000	ug/ml	0.00
Standard Area 1 = 478336			Recovery = 102.41%			
104) IS1_Chrysene-d12	12.098	240	482606	40.000	ug/ml	0.00
Standard Area 1 = 472032			Recovery = 102.24%			
113) IS1_Perylene-d12	14.246	264	494998	40.000	ug/ml	0.00
Standard Area 1 = 489564			Recovery = 101.11%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.551	112	354319	97.745	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 195.49%#			
7) Phenol-d6	4.499	99	426905	95.912	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 191.82%#			
19) Nitrobenzene-d5	5.372	82	381267	95.899	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 383.60%#			
46) 2-Fluorobiphenyl	7.137	172	846945	94.678	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 378.71%#			
79) 2,4,6-Tribromophenol	8.542	330	142120	100.045	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 200.09%#			
96) 4-Terphenyl-d14	10.824	244	1100144	99.488	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 397.95%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.180	74	217845	96.700	ug/ml#	75
3) Pyridine	2.208	79	371971	94.798	ug/ml	82
5) Aniline	4.508	93	566645	95.491	ug/ml	96
6) 2-Chlorophenol	4.623	128	390014	95.337	ug/ml	97
8) Phenol	4.511	94	505143	95.605	ug/ml	95
9) Bis(2-chloroethyl)ether	4.589	93	343432	95.290	ug/ml	93
10) 1,3-Dichlorobenzene	4.772	146	430507	95.920	ug/ml	99
11) 1,4-Dichlorobenzene	4.844	146	432724	94.812	ug/ml	99
12) 1,2-Dichlorobenzene	4.993	146	413165	94.843	ug/ml	100
13) Benzyl alcohol	4.977	79	291999	95.836	ug/ml	97
14) Bis(2-chloroisopropyl)...	5.120	45	444293	94.728	ug/ml#	92

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL8.D
Acq On : 11 Sep 2020 5:25 pm
Operator : sv109:dw
Sample : IL3,32,,ABNL100 Lot# 8908
Misc : WG1409654,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 13 12:13:10 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.102	108	348031	96.865	ug/ml	99
16) Hexachloroethane	5.319	117	162383	96.591	ug/ml	95
17) n-Nitrosodi-n-propylamine	5.248	70	248186	96.375	ug/ml	98
18) 3-Methylphenol/4-Methy...	5.260	108	368119	95.724	ug/ml	99
20) Nitrobenzene	5.391	77	371867	95.972	ug/ml	96
21) Isophorone	5.630	82	700128	96.214	ug/ml	99
22) 2-Nitrophenol	5.705	139	210696	97.992	ug/ml	96
23) 2,4-Dimethylphenol	5.773	107	383922	95.050	ug/ml	100
24) Bis(2-chloroethoxy)met...	5.863	93	446788	95.256	ug/ml	99
25) 2,4-Dichlorophenol	5.941	162	331343	95.006	ug/ml	99
26) 1,2,4-Trichlorobenzene	6.022	180	361816	95.793	ug/ml	99
36) Naphthalene	6.090	128	1144486	95.961	ug/ml	99
37) Benzoic Acid	5.897	105	293400	104.808	ug/ml	98
38) 4-Chloroaniline	6.155	65	137721	96.747	ug/ml	94
39) Hexachlorobutadiene	6.233	225	204119	97.190	ug/ml	99
40) p-Chloro-m-cresol	6.643	107	332844	97.814	ug/ml	99
41) 2-Methylnaphthalene	6.768	142	771245	96.607	ug/ml	99
42) 1-Methylnaphthalene	6.861	115	243471	95.953	ug/ml	98
43) Hexachlorocyclopentadiene	6.935	237	282951	100.334	ug/ml	99
44) 2,4,6-Trichlorophenol	7.050	196	248875	98.665	ug/ml	99
45) 2,4,5-Trichlorophenol	7.078	196	264631	96.461	ug/ml	98
47) 2-Chloronaphthalene	7.237	162	735797	97.647	ug/ml	98
48) 2-Nitroaniline	7.346	138	251483	100.318	ug/ml	94
49) 1,4-Dinitrobenzene	7.479	168	118178	99.150	ug/ml	85
50) 1,3-Dinitrobenzene	7.554	168	133868	98.875	ug/ml	82
51) Dimethyl phthalate	7.545	163	855117	96.448	ug/ml	100
52) Acenaphthylene	7.638	152	1246310	95.526	ug/ml	100
53) 2,6-Dinitrotoluene	7.591	165	187479	97.689	ug/ml	94
54) 1,2-Dinitrobenzene	7.638	168	86119	97.994	ug/ml	78
64) 3-Nitroaniline	7.747	138	223702	99.599	ug/ml#	96
65) Acenaphthene	7.809	154	702329	98.419	ug/ml	100
66) 2,4-Dinitrophenol	7.846	184	128652	106.838	ug/ml	90
67) Dibenzofuran	7.977	168	1068360	96.889	ug/ml	98
68) 2,4-Dinitrotoluene	7.980	165	258409	99.714	ug/ml#	85
69) 4-Nitrophenol	7.927	65	165372	99.062	ug/ml	91
70) 2,3,5,6-Tetrachlorophenol	8.064	232	222430	99.993	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	8.104	232	214559	98.700	ug/ml	99
72) Diethyl phthalate	8.238	149	877367	98.339	ug/ml	99
73) Fluorene	8.309	166	846056	99.235	ug/ml	97
74) 4-Chlorophenyl phenyl ...	8.322	204	400841	97.777	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL8.D
Acq On : 11 Sep 2020 5:25 pm
Operator : sv109:dw
Sample : IL3,32,,ABNL100 Lot# 8908
Misc : WG1409654,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 13 12:13:10 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.340	138	217860	99.145	ug/ml	93
76)	4,6-Dinitro-o-cresol	8.371	198	145790	102.876	ug/ml#	86
77)	NDPA/DPA	8.440	169	718905	98.248	ug/ml	99
78)	Azobenzene	8.477	77	774893	97.732	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.794	248	232681	99.163	ug/ml	99
81)	Hexachlorobenzene	8.850	284	276203	99.693	ug/ml	98
82)	Pentachlorophenol	9.040	266	182122	101.791	ug/ml	99
89)	Phenanthrene	9.238	178	1239568	97.985	ug/ml	99
90)	Anthracene	9.288	178	1283589	96.927	ug/ml	100
91)	Carbazole	9.453	167	1196993	96.217	ug/ml	99
92)	Di-n-butylphthalate	9.832	149	1474548	102.372	ug/ml	100
93)	Fluoranthene	10.401	202	1414376	99.002	ug/ml	98
94)	Benzidine	10.553	184	1076217	103.796	ug/ml	99
95)	Pyrene	10.628	202	1492091	98.747	ug/ml	99
97)	Butyl benzyl phthalate	11.423	149	654003	107.070	ug/ml	96
105)	Benzo(a)anthracene	12.086	228	1486232	99.396	ug/ml	100
106)	3,3'-Dichlorobenzidine	12.086	252	603666	102.319	ug/ml	99
107)	Chrysene	12.132	228	1397026	98.425	ug/ml	100
108)	Bis(2-ethylhexyl)phtha...	12.238	149	980548	105.133	ug/ml	99
109)	Di-n-octylphthalate	13.229	149	1685979	109.208	ug/ml#	92
110)	Benzo(b)fluoranthene	13.668	252	1496274	98.290	ug/ml	98
111)	Benzo(k)fluoranthene	13.711	252	1407267	97.639	ug/ml	99
112)	Benzo(a)pyrene	14.159	252	1304818	98.464	ug/ml	98
114)	Indeno(1,2,3-cd)pyrene	15.865	276	1378575	99.987	ug/ml	98
115)	Dibenzo(a,h)anthracene	15.918	278	1432397	99.319	ug/ml	98
116)	Benzo(ghi)perylene	16.247	276	1432306	97.980	ug/ml	98

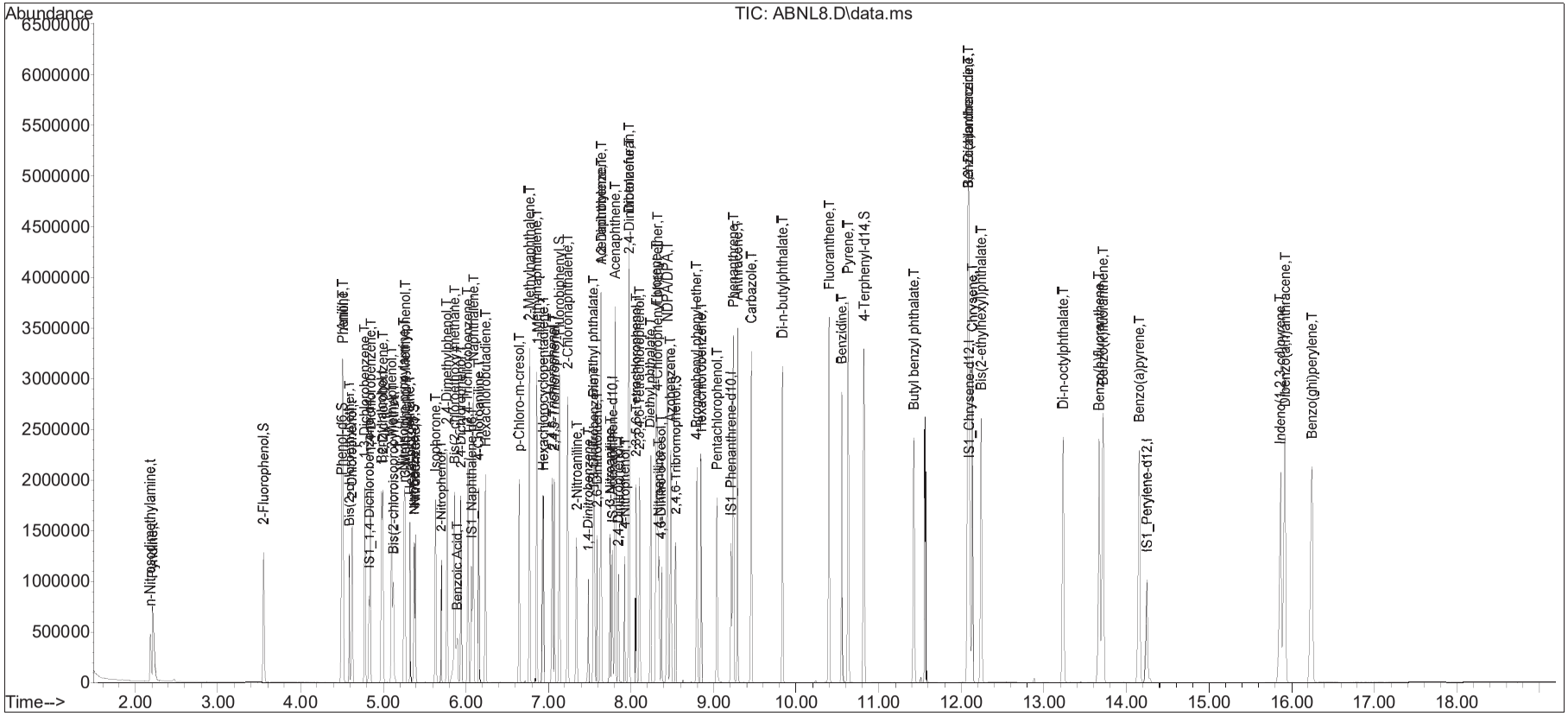
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL8.D
Acq On : 11 Sep 2020 5:25 pm
Operator : sv109:dw
Sample : IL3,32,,ABNL100 Lot# 8908
Misc : WG1409654,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 13 12:13:10 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistal\ABNL7.D•



Manual Integration Report

Data Path	: I:\8270\SV109\200911ical\	QMethod	: FS200911SV109.m
Data File	: ABNL8.D	Operator	: sv109:dw
Date Inj'd	: 9/11/2020 5:25 pm	Instrument	: SV109
Sample	: IL3,32,,ABNL100 Lot# 8908	Quant Date	: 9/13/2020 12:01 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL7.D
Acq On : 11 Sep 2020 5:49 pm
Operator : sv109:dw
Sample : IL4,32,,ABNL50 Lot# 8907
Misc : WG1409654,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 13 12:12:40 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.828	152	108868	40.000	ug/ml	0.00
Standard Area 1 = 108868			Recovery = 100.00%			
35) IS1_Naphthalene-d8	6.068	136	452978	40.000	ug/ml	0.00
Standard Area 1 = 452978			Recovery = 100.00%			
63) IS1_Acenaphthene-d10	7.775	164	249022	40.000	ug/ml	0.00
Standard Area 1 = 249022			Recovery = 100.00%			
88) IS1_Phenanthrene-d10	9.214	188	478336	40.000	ug/ml	0.00
Standard Area 1 = 478336			Recovery = 100.00%			
104) IS1_Chrysene-d12	12.092	240	472032	40.000	ug/ml	0.00
Standard Area 1 = 472032			Recovery = 100.00%			
113) IS1_Perylene-d12	14.243	264	489564	40.000	ug/ml	0.00
Standard Area 1 = 489564			Recovery = 100.00%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.551	112	168915	50.000	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 100.00%			
7) Phenol-d6	4.496	99	207408	50.000	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 100.00%			
19) Nitrobenzene-d5	5.369	82	185261	50.000	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 200.00%#			
46) 2-Fluorobiphenyl	7.134	172	426431	50.000	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 200.00%#			
79) 2,4,6-Tribromophenol	8.542	330	69294	50.000	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 100.00%			
96) 4-Terphenyl-d14	10.821	244	539883	50.000	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 200.00%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.180	74	104976	50.000	ug/ml#	77
3) Pyridine	2.211	79	182843	50.000	ug/ml	81
5) Aniline	4.508	93	276515	50.000	ug/ml	96
6) 2-Chlorophenol	4.620	128	190628	50.000	ug/ml	97
8) Phenol	4.508	94	246207	50.000	ug/ml	95
9) Bis(2-chloroethyl)ether	4.586	93	167943	50.000	ug/ml	93
10) 1,3-Dichlorobenzene	4.772	146	209141	50.000	ug/ml	99
11) 1,4-Dichlorobenzene	4.844	146	212675	50.000	ug/ml	100
12) 1,2-Dichlorobenzene	4.993	146	202996	50.000	ug/ml	99
13) Benzyl alcohol	4.974	79	141978	50.000	ug/ml	97
14) Bis(2-chloroisopropyl)...	5.120	45	218555	50.000	ug/ml#	92

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL7.D
Acq On : 11 Sep 2020 5:49 pm
Operator : sv109:dw
Sample : IL4,32,,ABNL50 Lot# 8907
Misc : WG1409654,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 13 12:12:40 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.102	108	167424	50.000	ug/ml	99
16) Hexachloroethane	5.319	117	78338	50.000	ug/ml	95
17) n-Nitrosodi-n-propylamine	5.245	70	120000	50.000	ug/ml	98
18) 3-Methylphenol/4-Methy...	5.257	108	179199	50.000	ug/ml	99
20) Nitrobenzene	5.388	77	180556	50.000	ug/ml	96
21) Isophorone	5.630	82	339085	50.000	ug/ml	98
22) 2-Nitrophenol	5.705	139	100192	50.000	ug/ml	97
23) 2,4-Dimethylphenol	5.770	107	188216	50.000	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.860	93	218563	50.000	ug/ml	99
25) 2,4-Dichlorophenol	5.941	162	162516	50.000	ug/ml	99
26) 1,2,4-Trichlorobenzene	6.022	180	176003	50.000	ug/ml	99
36) Naphthalene	6.087	128	568536	50.000	ug/ml	99
37) Benzoic Acid	5.869	105	133447	50.000	ug/ml	99
38) 4-Chloroaniline	6.155	65	67859	50.000	ug/ml	93
39) Hexachlorobutadiene	6.233	225	100117	50.000	ug/ml	99
40) p-Chloro-m-cresol	6.643	107	162212	50.000	ug/ml	99
41) 2-Methylnaphthalene	6.768	142	380564	50.000	ug/ml	99
42) 1-Methylnaphthalene	6.861	115	120957	50.000	ug/ml	98
43) Hexachlorocyclopentadiene	6.932	237	134433	50.000	ug/ml	99
44) 2,4,6-Trichlorophenol	7.050	196	120243	50.000	ug/ml	99
45) 2,4,5-Trichlorophenol	7.078	196	130778	50.000	ug/ml	98
47) 2-Chloronaphthalene	7.234	162	359204	50.000	ug/ml	99
48) 2-Nitroaniline	7.343	138	119502	50.000	ug/ml	95
49) 1,4-Dinitrobenzene	7.476	168	56818	50.000	ug/ml	86
50) 1,3-Dinitrobenzene	7.551	168	64541	50.000	ug/ml	83
51) Dimethyl phthalate	7.542	163	422647	50.000	ug/ml	100
52) Acenaphthylene	7.635	152	621940	50.000	ug/ml	99
53) 2,6-Dinitrotoluene	7.588	165	91485	50.000	ug/ml	96
54) 1,2-Dinitrobenzene	7.632	168	41893	50.000	ug/ml	80
64) 3-Nitroaniline	7.744	138	109559	50.000	ug/ml	96
65) Acenaphthene	7.806	154	348095	50.000	ug/ml	99
66) 2,4-Dinitrophenol	7.843	184	58739	50.000	ug/ml	91
67) Dibenzofuran	7.977	168	537871	50.000	ug/ml	97
68) 2,4-Dinitrotoluene	7.974	165	126411	50.000	ug/ml	88
69) 4-Nitrophenol	7.921	65	81431	50.000	ug/ml	92
70) 2,3,5,6-Tetrachlorophenol	8.061	232	108507	50.000	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	8.104	232	106039	50.000	ug/ml	100
72) Diethyl phthalate	8.232	149	435204	50.000	ug/ml	99
73) Fluorene	8.306	166	415882	50.000	ug/ml	98
74) 4-Chlorophenyl phenyl ...	8.322	204	199972	50.000	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL7.D
Acq On : 11 Sep 2020 5:49 pm
Operator : sv109:dw
Sample : IL4,32,,ABNL50 Lot# 8907
Misc : WG1409654,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 13 12:12:40 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.334	138	107187	50.000	ug/ml	94
76)	4,6-Dinitro-o-cresol	8.368	198	69127	50.000	ug/ml#	87
77)	NDPA/DPA	8.437	169	356930	50.000	ug/ml	98
78)	Azobenzene	8.474	77	386758	50.000	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.794	248	114458	50.000	ug/ml	100
81)	Hexachlorobenzene	8.847	284	135144	50.000	ug/ml	98
82)	Pentachlorophenol	9.040	266	87275	50.000	ug/ml	99
89)	Phenanthrene	9.235	178	617637	50.000	ug/ml	100
90)	Anthracene	9.285	178	646553	50.000	ug/ml	99
91)	Carbazole	9.450	167	607382	50.000	ug/ml	99
92)	Di-n-butylphthalate	9.829	149	703233	50.000	ug/ml	100
93)	Fluoranthene	10.395	202	697496	50.000	ug/ml	98
94)	Benzidine	10.550	184	506222	50.000	ug/ml	99
95)	Pyrene	10.625	202	737726	50.000	ug/ml	99
97)	Butyl benzyl phthalate	11.420	149	298217	50.000	ug/ml	97
105)	Benzo(a)anthracene	12.079	228	731254	50.000	ug/ml	100
106)	3,3'-Dichlorobenzidine	12.079	252	288528	50.000	ug/ml	98
107)	Chrysene	12.129	228	694143	50.000	ug/ml	100
108)	Bis(2-ethylhexyl)phtha...	12.235	149	456119	50.000	ug/ml	99
109)	Di-n-octylphthalate	13.226	149	755002	50.000	ug/ml#	92
110)	Benzo(b)fluoranthene	13.661	252	744479	50.000	ug/ml	98
111)	Benzo(k)fluoranthene	13.705	252	704859	50.000	ug/ml	98
112)	Benzo(a)pyrene	14.152	252	648067	50.000	ug/ml	98
114)	Indeno(1,2,3-cd)pyrene	15.859	276	681806	50.000	ug/ml	98
115)	Dibenzo(a,h)anthracene	15.909	278	713195	50.000	ug/ml	98
116)	Benzo(ghi)perylene	16.235	276	722895	50.000	ug/ml	98

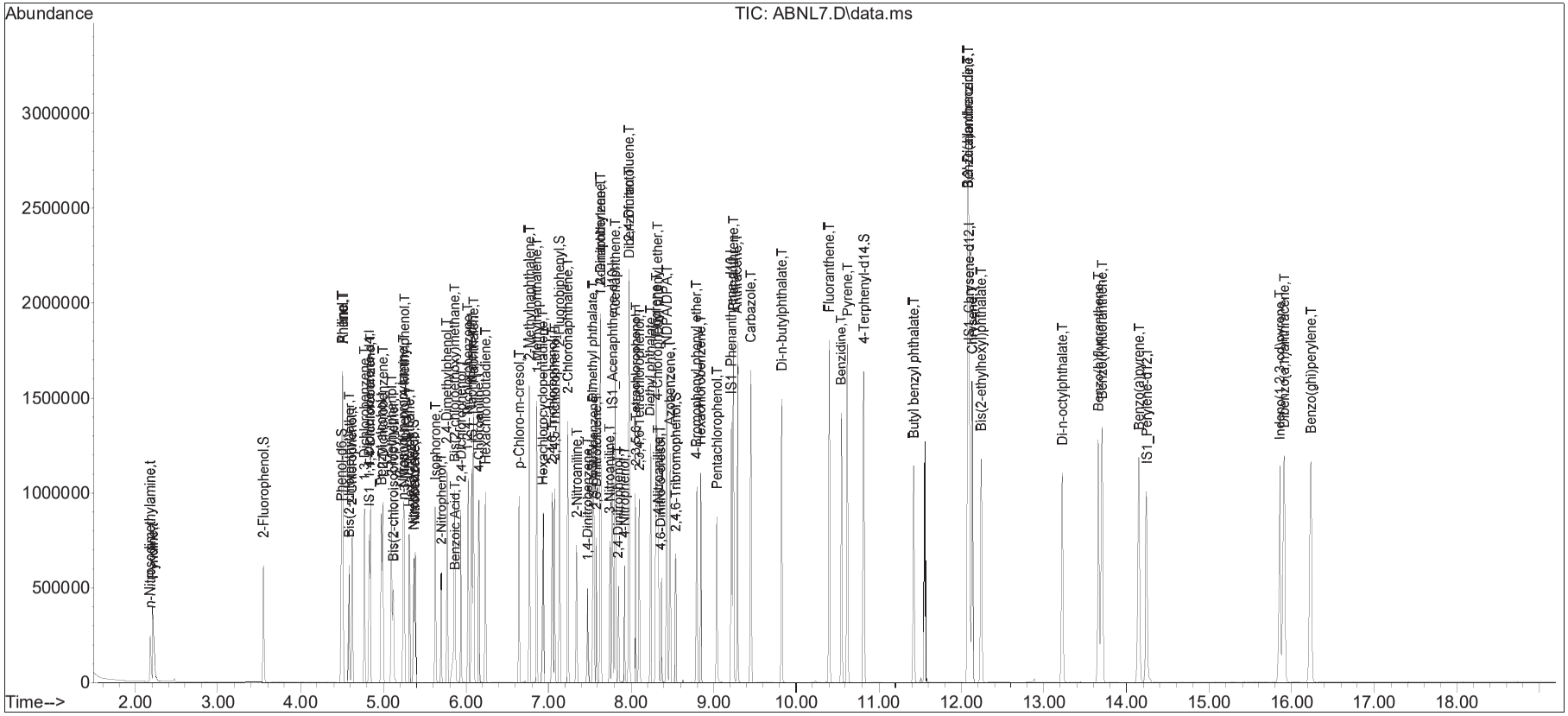
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL7.D
Acq On : 11 Sep 2020 5:49 pm
Operator : sv109:dw
Sample : IL4,32,,ABNL50 Lot# 8907
Misc : WG1409654,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 13 12:12:40 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistal\ABNL7.D•



Manual Integration Report

Data Path	: I:\8270\SV109\200911ical\	QMethod	: FS200911SV109.m
Data File	: ABNL7.D	Operator	: sv109:dw
Date Inj'd	: 9/11/2020 5:49 pm	Instrument	: SV109
Sample	: IL4,32,,ABNL50 Lot# 8907	Quant Date	: 9/13/2020 12:01 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL6.D
Acq On : 11 Sep 2020 6:13 pm
Operator : sv109:dw
Sample : IL5,32,,ABNL20 Lot# 8906
Misc : WG1409654,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 13 12:01:39 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.828	152	120191	40.000	ug/ml	0.00
Standard Area 1 = 108868			Recovery = 110.40%			
35) IS1_Naphthalene-d8	6.068	136	495810	40.000	ug/ml	0.00
Standard Area 1 = 452978			Recovery = 109.46%			
63) IS1_Acenaphthene-d10	7.775	164	278622	40.000	ug/ml	0.00
Standard Area 1 = 249022			Recovery = 111.89%			
88) IS1_Phenanthrene-d10	9.211	188	530153	40.000	ug/ml	0.00
Standard Area 1 = 478336			Recovery = 110.83%			
104) IS1_Chrysene-d12	12.089	240	488527	40.000	ug/ml	0.00
Standard Area 1 = 472032			Recovery = 103.49%			
113) IS1_Perylene-d12	14.243	264	492974	40.000	ug/ml	0.00
Standard Area 1 = 489564			Recovery = 100.70%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.548	112	70141	18.806	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 37.61%			
7) Phenol-d6	4.492	99	86358	18.857	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 37.71%			
19) Nitrobenzene-d5	5.369	82	79475	19.429	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 77.72%			
46) 2-Fluorobiphenyl	7.134	172	184640	19.779	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 79.12%			
79) 2,4,6-Tribromophenol	8.539	330	29294	18.892	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 37.78%			
96) 4-Terphenyl-d14	10.817	244	226637	18.938	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 75.75%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.180	74	44943	19.390	ug/ml#	76
3) Pyridine	2.214	79	76208	18.876	ug/ml#	79
5) Aniline	4.505	93	116662	19.108	ug/ml	97
6) 2-Chlorophenol	4.620	128	79235	18.825	ug/ml	98
8) Phenol	4.505	94	104591	19.239	ug/ml	96
9) Bis(2-chloroethyl)ether	4.586	93	72546	19.564	ug/ml	93
10) 1,3-Dichlorobenzene	4.769	146	88233	19.107	ug/ml	99
11) 1,4-Dichlorobenzene	4.844	146	90893	19.356	ug/ml	99
12) 1,2-Dichlorobenzene	4.990	146	86373	19.270	ug/ml	99
13) Benzyl alcohol	4.974	79	58738	18.737	ug/ml	98
14) Bis(2-chloroisopropyl)...	5.120	45	95133	19.714	ug/ml#	73

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL6.D
Acq On : 11 Sep 2020 6:13 pm
Operator : sv109:dw
Sample : IL5,32,,ABNL20 Lot# 8906
Misc : WG1409654,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 13 12:01:39 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.098	108	72182	19.526	ug/ml	100
16) Hexachloroethane	5.319	117	33149	19.164	ug/ml	95
17) n-Nitrosodi-n-propylamine	5.241	70	50514	19.065	ug/ml	98
18) 3-Methylphenol/4-Methy...	5.254	108	77220	19.516	ug/ml	99
20) Nitrobenzene	5.388	77	78319	19.645	ug/ml	97
21) Isophorone	5.627	82	146551	19.574	ug/ml	100
22) 2-Nitrophenol	5.701	139	40754	18.422	ug/ml	97
23) 2,4-Dimethylphenol	5.770	107	80108	19.276	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.860	93	97663	20.237	ug/ml	99
25) 2,4-Dichlorophenol	5.938	162	69215	19.289	ug/ml	99
26) 1,2,4-Trichlorobenzene	6.022	180	76141	19.593	ug/ml	99
36) Naphthalene	6.087	128	247061	19.851	ug/ml	100
37) Benzoic Acid	5.844	105	47679	16.321	ug/ml	96
38) 4-Chloroaniline	6.152	65	29453	19.827	ug/ml	93
39) Hexachlorobutadiene	6.233	225	42785	19.522	ug/ml	98
40) p-Chloro-m-cresol	6.640	107	69484	19.567	ug/ml	99
41) 2-Methylnaphthalene	6.764	142	167963	20.161	ug/ml	99
42) 1-Methylnaphthalene	6.858	115	52747	19.920	ug/ml	98
43) Hexachlorocyclopentadiene	6.932	237	57623	19.580	ug/ml	99
44) 2,4,6-Trichlorophenol	7.050	196	51606	19.605	ug/ml	100
45) 2,4,5-Trichlorophenol	7.078	196	56029	19.571	ug/ml	98
47) 2-Chloronaphthalene	7.234	162	158345	20.137	ug/ml	99
48) 2-Nitroaniline	7.343	138	48960	18.715	ug/ml	95
49) 1,4-Dinitrobenzene	7.473	168	22940	18.443	ug/ml	89
50) 1,3-Dinitrobenzene	7.548	168	27341	19.351	ug/ml	86
51) Dimethyl phthalate	7.538	163	185547	20.054	ug/ml	99
52) Acenaphthylene	7.632	152	269566	19.799	ug/ml	100
53) 2,6-Dinitrotoluene	7.585	165	39510	19.728	ug/ml	96
54) 1,2-Dinitrobenzene	7.628	168	18308	19.963	ug/ml	81
64) 3-Nitroaniline	7.740	138	47070	19.199	ug/ml#	97
65) Acenaphthene	7.806	154	152596	19.590	ug/ml	99
66) 2,4-Dinitrophenol	7.843	184	22701	17.271	ug/ml	91
67) Dibenzofuran	7.973	168	237151	19.703	ug/ml	99
68) 2,4-Dinitrotoluene	7.973	165	53680	18.977	ug/ml	91
69) 4-Nitrophenol	7.918	65	34924	19.166	ug/ml	93
70) 2,3,5,6-Tetrachlorophenol	8.061	232	46497	19.150	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	8.101	232	46191	19.466	ug/ml	99
72) Diethyl phthalate	8.228	149	189445	19.453	ug/ml	99
73) Fluorene	8.306	166	183401	19.707	ug/ml	97
74) 4-Chlorophenyl phenyl ...	8.322	204	88950	19.878	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL6.D
Acq On : 11 Sep 2020 6:13 pm
Operator : sv109:dw
Sample : IL5,32,,ABNL20 Lot# 8906
Misc : WG1409654,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 13 12:01:39 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.328	138	45531	18.983	ug/ml	94
76)	4,6-Dinitro-o-cresol	8.365	198	26923	17.405	ug/ml#	90
77)	NDPA/DPA	8.437	169	156209	19.558	ug/ml	98
78)	Azobenzene	8.471	77	169731	19.612	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.791	248	48937	19.107	ug/ml	98
81)	Hexachlorobenzene	8.844	284	60158	19.892	ug/ml	99
82)	Pentachlorophenol	9.036	266	35506	18.180	ug/ml	99
89)	Phenanthrene	9.232	178	275595	20.130	ug/ml	100
90)	Anthracene	9.282	178	276917	19.322	ug/ml	100
91)	Carbazole	9.447	167	261874	19.451	ug/ml	99
92)	Di-n-butylphthalate	9.829	149	290482	18.635	ug/ml	100
93)	Fluoranthene	10.395	202	297656	19.252	ug/ml	98
94)	Benzidine	10.547	184	198249	17.667	ug/ml	99
95)	Pyrene	10.622	202	317510	19.416	ug/ml	99
97)	Butyl benzyl phthalate	11.417	149	110469	16.711	ug/ml	99
105)	Benzo(a)anthracene	12.076	228	294479	19.455	ug/ml	99
106)	3,3'-Dichlorobenzidine	12.076	252	109639	18.358	ug/ml	100
107)	Chrysene	12.126	228	288587	20.085	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	12.235	149	170457	18.055	ug/ml	100
109)	Di-n-octylphthalate	13.226	149	254418	16.280	ug/ml#	93
110)	Benzo(b)fluoranthene	13.658	252	284644	18.472	ug/ml	98
111)	Benzo(k)fluoranthene	13.699	252	277241	19.002	ug/ml	99
112)	Benzo(a)pyrene	14.146	252	243627	18.162	ug/ml	98
114)	Indeno(1,2,3-cd)pyrene	15.849	276	249092	18.141	ug/ml	98
115)	Dibenzo(a,h)anthracene	15.902	278	270285	18.818	ug/ml	99
116)	Benzo(ghi)perylene	16.226	276	278434	19.125	ug/ml	98

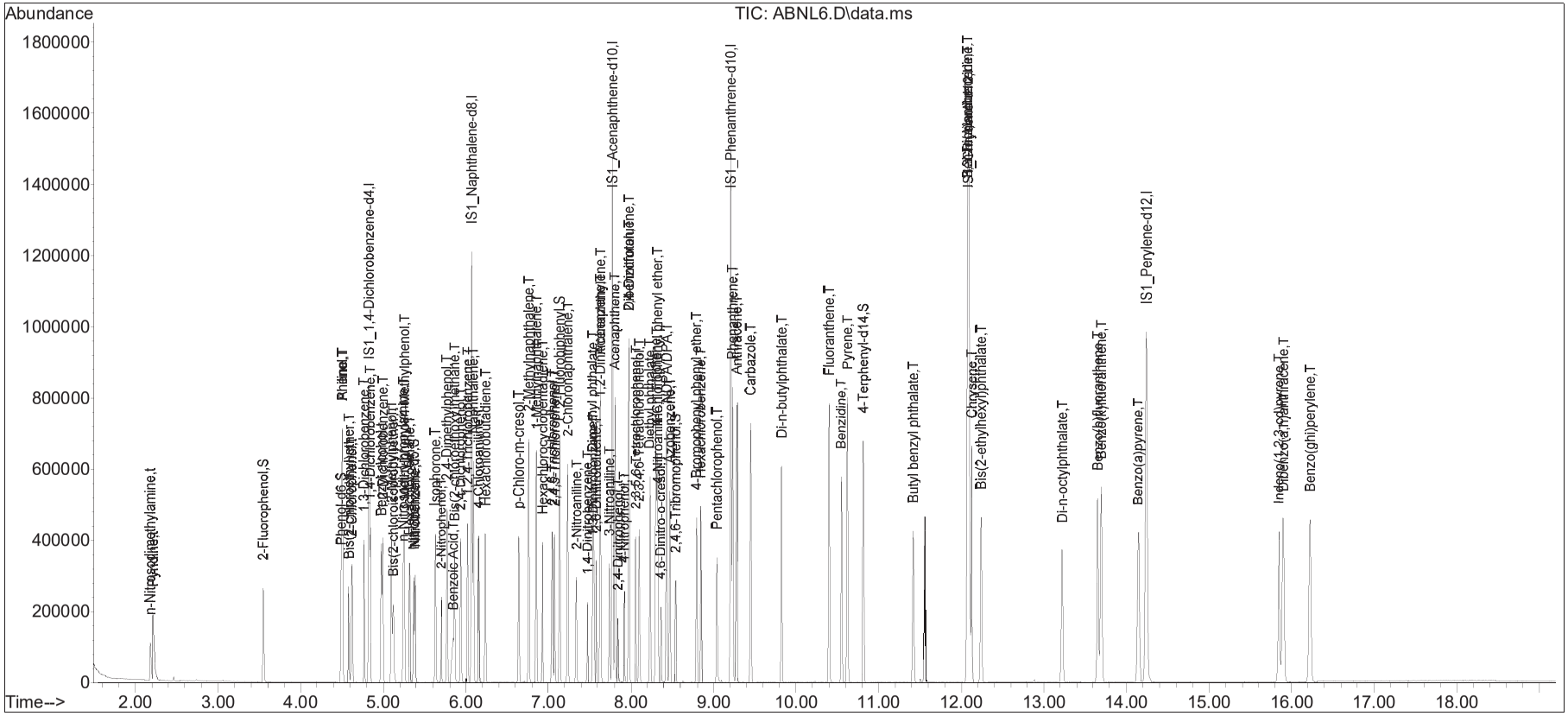
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL6.D
Acq On : 11 Sep 2020 6:13 pm
Operator : sv109:dw
Sample : IL5,32,,ABNL20 Lot# 8906
Misc : WG1409654,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 13 12:01:39 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistal\ABNL7.D•



Manual Integration Report

Data Path	: I:\8270\SV109\200911ical\	QMethod	: FS200911SV109.m
Data File	: ABNL6.D	Operator	: sv109:dw
Date Inj'd	: 9/11/2020 6:13 pm	Instrument	: SV109
Sample	: IL5,32,,ABNL20 Lot# 8906	Quant Date	: 9/13/2020 12:01 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL5.D
Acq On : 11 Sep 2020 6:37 pm
Operator : sv109:dw
Sample : IL6,32,,ABNL10 Lot# 8905
Misc : WG1409654,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 13 12:11:37 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.828	152	115815	40.000	ug/ml	0.00
Standard Area 1 = 108868			Recovery = 106.38%			
35) IS1_Naphthalene-d8	6.065	136	483118	40.000	ug/ml	0.00
Standard Area 1 = 452978			Recovery = 106.65%			
63) IS1_Acenaphthene-d10	7.775	164	270810	40.000	ug/ml	0.00
Standard Area 1 = 249022			Recovery = 108.75%			
88) IS1_Phenanthrene-d10	9.211	188	524542	40.000	ug/ml	0.00
Standard Area 1 = 478336			Recovery = 109.66%			
104) IS1_Chrysene-d12	12.089	240	484204	40.000	ug/ml	0.00
Standard Area 1 = 472032			Recovery = 102.58%			
113) IS1_Perylene-d12	14.239	264	488633	40.000	ug/ml	0.00
Standard Area 1 = 489564			Recovery = 99.81%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.551	112	33950	9.447	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 18.89%#			
7) Phenol-d6	4.492	99	42154	9.553	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 19.11%#			
19) Nitrobenzene-d5	5.369	82	38032	9.649	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 38.60%#			
46) 2-Fluorobiphenyl	7.134	172	92279	10.145	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 40.58%			
79) 2,4,6-Tribromophenol	8.539	330	13435	8.914	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 17.83%#			
96) 4-Terphenyl-d14	10.817	244	112925	9.537	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 38.15%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.186	74	21788	9.755	ug/ml#	76
3) Pyridine	2.220	79	37507	9.641	ug/ml#	79
5) Aniline	4.505	93	57438	9.763	ug/ml	96
6) 2-Chlorophenol	4.620	128	38206	9.420	ug/ml	98
8) Phenol	4.505	94	49783	9.504	ug/ml	97
9) Bis(2-chloroethyl)ether	4.586	93	35275	9.872	ug/ml	95
10) 1,3-Dichlorobenzene	4.772	146	43508	9.778	ug/ml	99
11) 1,4-Dichlorobenzene	4.844	146	45113	9.970	ug/ml	99
12) 1,2-Dichlorobenzene	4.990	146	42947	9.944	ug/ml	99
13) Benzyl alcohol	4.974	79	28067	9.291	ug/ml	97
14) Bis(2-chloroisopropyl)...	5.120	45	46777	10.060	ug/ml#	71

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL5.D
Acq On : 11 Sep 2020 6:37 pm
Operator : sv109:dw
Sample : IL6,32,,ABNL10 Lot# 8905
Misc : WG1409654,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 13 12:11:37 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.099	108	34407	9.659	ug/ml	99
16) Hexachloroethane	5.319	117	15990	9.594	ug/ml	92
17) n-Nitrosodi-n-propylamine	5.242	70	24230	9.490	ug/ml	99
18) 3-Methylphenol/4-Methy...	5.254	108	36706	9.627	ug/ml	99
20) Nitrobenzene	5.388	77	37121	9.663	ug/ml	96
21) Isophorone	5.627	82	69678	9.658	ug/ml	99
22) 2-Nitrophenol	5.702	139	19133	8.975	ug/ml	96
23) 2,4-Dimethylphenol	5.770	107	38458	9.604	ug/ml	100
24) Bis(2-chloroethoxy)met...	5.860	93	47752	10.269	ug/ml#	98
25) 2,4-Dichlorophenol	5.938	162	33635	9.727	ug/ml	99
26) 1,2,4-Trichlorobenzene	6.019	180	37614	10.045	ug/ml	98
36) Naphthalene	6.087	128	122705	10.118	ug/ml	99
37) Benzoic Acid	5.829	105	16053	5.640	ug/ml	96
38) 4-Chloroaniline	6.152	65	14219	9.823	ug/ml	94
39) Hexachlorobutadiene	6.230	225	21475	10.056	ug/ml	98
40) p-Chloro-m-cresol	6.640	107	33357	9.640	ug/ml	99
41) 2-Methylnaphthalene	6.764	142	82489	10.162	ug/ml	100
42) 1-Methylnaphthalene	6.858	115	26225	10.164	ug/ml	98
43) Hexachlorocyclopentadiene	6.932	237	27703	9.661	ug/ml	99
44) 2,4,6-Trichlorophenol	7.047	196	24201	9.436	ug/ml	99
45) 2,4,5-Trichlorophenol	7.078	196	27446	9.839	ug/ml	97
47) 2-Chloronaphthalene	7.234	162	79240	10.342	ug/ml	99
48) 2-Nitroaniline	7.343	138	21594	8.471	ug/ml	97
49) 1,4-Dinitrobenzene	7.473	168	10421	8.598	ug/ml	93
50) 1,3-Dinitrobenzene	7.548	168	12279	8.919	ug/ml	91
51) Dimethyl phthalate	7.538	163	90301	10.016	ug/ml	100
52) Acenaphthylene	7.632	152	132473	9.986	ug/ml	99
53) 2,6-Dinitrotoluene	7.582	165	18331	9.394	ug/ml	98
54) 1,2-Dinitrobenzene	7.629	168	8343	9.336	ug/ml	86
64) 3-Nitroaniline	7.740	138	21810	9.153	ug/ml	98
65) Acenaphthene	7.803	154	76449	10.098	ug/ml	99
66) 2,4-Dinitrophenol	7.840	184	9092	7.117	ug/ml	92
67) Dibenzofuran	7.974	168	117097	10.009	ug/ml	98
68) 2,4-Dinitrotoluene	7.970	165	24542	8.926	ug/ml	94
69) 4-Nitrophenol	7.918	65	15966	9.015	ug/ml	95
70) 2,3,5,6-Tetrachlorophenol	8.061	232	22051	9.344	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	8.101	232	22663	9.826	ug/ml	98
72) Diethyl phthalate	8.228	149	92413	9.763	ug/ml	99
73) Fluorene	8.306	166	91072	10.068	ug/ml	97
74) 4-Chlorophenyl phenyl ...	8.319	204	44363	10.200	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL5.D
Acq On : 11 Sep 2020 6:37 pm
Operator : sv109:dw
Sample : IL6,32,,ABNL10 Lot# 8905
Misc : WG1409654,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 13 12:11:37 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.328	138	21497	9.221	ug/ml	94
76)	4,6-Dinitro-o-cresol	8.365	198	11467	7.627	ug/ml#	91
77)	NDPA/DPA	8.437	169	76838	9.898	ug/ml	99
78)	Azobenzene	8.471	77	83504	9.927	ug/ml	97
80)	4-Bromophenyl phenyl e...	8.791	248	25020	10.050	ug/ml	100
81)	Hexachlorobenzene	8.844	284	30054	10.225	ug/ml	99
82)	Pentachlorophenol	9.037	266	15310	8.065	ug/ml	98
89)	Phenanthrene	9.232	178	138719	10.241	ug/ml	100
90)	Anthracene	9.282	178	135422	9.550	ug/ml	100
91)	Carbazole	9.447	167	128767	9.666	ug/ml	99
92)	Di-n-butylphthalate	9.829	149	134633	8.729	ug/ml	99
93)	Fluoranthene	10.392	202	144765	9.463	ug/ml	98
94)	Benzidine	10.547	184	87797	7.908	ug/ml	99
95)	Pyrene	10.622	202	156166	9.652	ug/ml	99
97)	Butyl benzyl phthalate	11.417	149	49444	7.560	ug/ml	99
105)	Benzo(a)anthracene	12.076	228	143947	9.595	ug/ml	99
106)	3,3'-Dichlorobenzidine	12.073	252	49545	8.370	ug/ml	99
107)	Chrysene	12.123	228	143603	10.084	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	12.235	149	74514	7.963	ug/ml#	99
109)	Di-n-octylphthalate	13.223	149	104554	6.750	ug/ml#	93
110)	Benzo(b)fluoranthene	13.655	252	133781	8.759	ug/ml	99
111)	Benzo(k)fluoranthene	13.696	252	134170	9.278	ug/ml	98
112)	Benzo(a)pyrene	14.146	252	113845	8.563	ug/ml	98
114)	Indeno(1,2,3-cd)pyrene	15.849	276	116909	8.590	ug/ml	98
115)	Dibenzo(a,h)anthracene	15.899	278	130618	9.175	ug/ml	98
116)	Benzo(ghi)perylene	16.222	276	131486	9.112	ug/ml	99

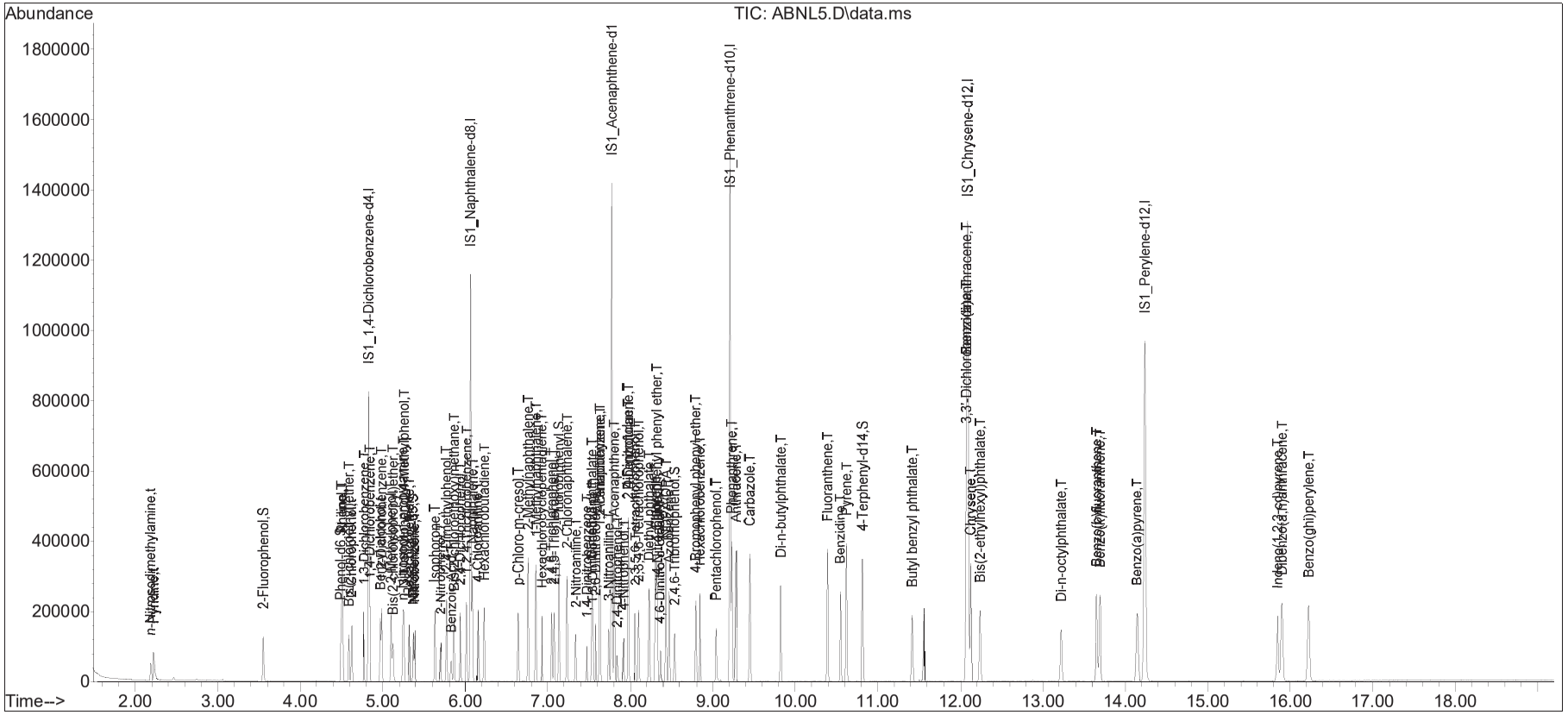
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL5.D
Acq On : 11 Sep 2020 6:37 pm
Operator : sv109:dw
Sample : IL6,32,,ABNL10 Lot# 8905
Misc : WG1409654,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 13 12:11:37 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistal\ABNL7.D•



Manual Integration Report

Data Path	: I:\8270\SV109\200911ical\	QMethod	: FS200911SV109.m
Data File	: ABNL5.D	Operator	: sv109:dw
Date Inj'd	: 9/11/2020 6:37 pm	Instrument	: SV109
Sample	: IL6,32,,ABNL10 Lot# 8905	Quant Date	: 9/13/2020 12:01 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL4.D
Acq On : 11 Sep 2020 7:01 pm
Operator : sv109:dw
Sample : IL7,32,,ABNL5 Lot# 8904
Misc : WG1409654,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 14 13:20:17 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 10:11:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.828	152	109055	40.000	ug/ml	0.00
Standard Area 1 = 108868			Recovery = 100.17%			
35) IS1_Naphthalene-d8	6.068	136	442466	40.000	ug/ml	0.00
Standard Area 1 = 452978			Recovery = 97.68%			
63) IS1_Acenaphthene-d10	7.775	164	239263	40.000	ug/ml	0.00
Standard Area 1 = 249022			Recovery = 96.08%			
88) IS1_Phenanthrene-d10	9.210	188	465005	40.000	ug/ml	0.00
Standard Area 1 = 478336			Recovery = 97.21%			
104) IS1_Chrysene-d12	12.089	240	430476	40.000	ug/ml	0.00
Standard Area 1 = 472032			Recovery = 91.20%			
113) IS1_Perylene-d12	14.239	264	450364	40.000	ug/ml	0.00
Standard Area 1 = 489564			Recovery = 91.99%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.551	112	15765	4.837	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 9.67%#			
7) Phenol-d6	4.492	99	19312	4.772	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 9.54%#			
19) Nitrobenzene-d5	5.369	82	17267	4.786	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 19.14%#			
46) 2-Fluorobiphenyl	7.134	172	42934	5.032	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 20.13%#			
79) 2,4,6-Tribromophenol	8.536	330	5852	4.809	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 9.62%#			
96) 4-Terphenyl-d14	10.817	244	49003	4.761	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 19.04%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.186	74	10286	4.990	ug/ml#	75
3) Pyridine	2.230	79	17707	4.916	ug/ml#	79
5) Aniline	4.505	93	26722	4.907	ug/ml	95
6) 2-Chlorophenol	4.620	128	17589	4.764	ug/ml	98
8) Phenol	4.505	94	23002	4.805	ug/ml	97
9) Bis(2-chloroethyl)ether	4.586	93	16776	4.976	ug/ml	92
10) 1,3-Dichlorobenzene	4.769	146	20844	4.873	ug/ml	98
11) 1,4-Dichlorobenzene	4.844	146	21552	4.930	ug/ml	98
12) 1,2-Dichlorobenzene	4.990	146	20642	5.005	ug/ml	97
13) Benzyl alcohol	4.974	79	12751	4.727	ug/ml	97
14) Bis(2-chloroisopropyl)...	5.120	45	22048	4.910	ug/ml#	73

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL4.D
Acq On : 11 Sep 2020 7:01 pm
Operator : sv109:dw
Sample : IL7,32,,ABNL5 Lot# 8904
Misc : WG1409654,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 14 13:20:17 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 10:11:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.098	108	15413	4.670	ug/ml	100
16) Hexachloroethane	5.319	117	7599	4.822	ug/ml	95
17) n-Nitrosodi-n-propylamine	5.245	70	10677	4.664	ug/ml#	91
18) 3-Methylphenol/4-Methy...	5.254	108	17334	4.930	ug/ml#	94
20) Nitrobenzene	5.388	77	16992M3	4.807	ug/ml	
21) Isophorone	5.627	82	29817	4.665	ug/ml#	91
22) 2-Nitrophenol	5.705	139	8263	4.555	ug/ml	96
23) 2,4-Dimethylphenol	5.770	107	17344	4.811	ug/ml	100
24) Bis(2-chloroethoxy)met...	5.860	93	21105	4.802	ug/ml#	96
25) 2,4-Dichlorophenol	5.938	162	15063	4.874	ug/ml	98
26) 1,2,4-Trichlorobenzene	6.018	180	17984	4.962	ug/ml	96
36) Naphthalene	6.087	128	57578	4.998	ug/ml	99
37) Benzoic Acid	5.820	105	3509	5.581	ug/ml	97
38) 4-Chloroaniline	6.152	65	6781	5.135	ug/ml	99
39) Hexachlorobutadiene	6.233	225	9741	4.831	ug/ml	96
40) p-Chloro-m-cresol	6.643	107	14739	4.754	ug/ml	98
41) 2-Methylnaphthalene	6.764	142	37768	4.936	ug/ml	97
42) 1-Methylnaphthalene	6.858	115	11952	4.907	ug/ml	99
43) Hexachlorocyclopentadiene	6.932	237	12615	4.903	ug/ml#	94
44) 2,4,6-Trichlorophenol	7.047	196	10754	4.849	ug/ml	98
45) 2,4,5-Trichlorophenol	7.078	196	11665	4.794	ug/ml	98
47) 2-Chloronaphthalene	7.234	162	35734	4.902	ug/ml	98
48) 2-Nitroaniline	7.343	138	9015	4.324	ug/ml	98
49) 1,4-Dinitrobenzene	7.473	168	4031	4.101	ug/ml	98
50) 1,3-Dinitrobenzene	7.548	168	4912	4.294	ug/ml	93
51) Dimethyl phthalate	7.538	163	40384	4.953	ug/ml#	98
52) Acenaphthylene	7.632	152	58475	4.901	ug/ml	100
53) 2,6-Dinitrotoluene	7.582	165	7394	4.596	ug/ml	93
54) 1,2-Dinitrobenzene	7.628	168	3408	4.543	ug/ml	96
64) 3-Nitroaniline	7.740	138	8974	4.645	ug/ml#	88
65) Acenaphthene	7.803	154	34521	4.978	ug/ml	99
66) 2,4-Dinitrophenol	7.843	184	3192	5.628	ug/ml#	27
67) Dibenzofuran	7.973	168	53649	5.031	ug/ml	98
68) 2,4-Dinitrotoluene	7.970	165	9986	4.545	ug/ml	99
69) 4-Nitrophenol	7.918	65	6475	4.577	ug/ml	96
70) 2,3,5,6-Tetrachlorophenol	8.060	232	9221	4.687	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	8.101	232	9532	4.954	ug/ml	99
72) Diethyl phthalate	8.225	149	40227	4.918	ug/ml	98
73) Fluorene	8.306	166	40736	4.951	ug/ml	97
74) 4-Chlorophenyl phenyl ...	8.318	204	19842	4.989	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL4.D
Acq On : 11 Sep 2020 7:01 pm
Operator : sv109:dw
Sample : IL7,32,,ABNL5 Lot# 8904
Misc : WG1409654,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 14 13:20:17 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 10:11:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.328	138	8512	4.556	ug/ml	99
76)	4,6-Dinitro-o-cresol	8.365	198	4050	4.974	ug/ml#	65
77)	NDPA/DPA	8.433	169	33713	4.959	ug/ml	98
78)	Azobenzene	8.471	77	36346	5.032	ug/ml	98
80)	4-Bromophenyl phenyl e...	8.791	248	10769	4.859	ug/ml	98
81)	Hexachlorobenzene	8.844	284	13572	4.970	ug/ml	99
82)	Pentachlorophenol	9.036	266	6038	5.044	ug/ml	98
89)	Phenanthrene	9.232	178	63023	4.979	ug/ml	99
90)	Anthracene	9.282	178	60141	4.834	ug/ml	100
91)	Carbazole	9.447	167	55610	4.867	ug/ml	99
92)	Di-n-butylphthalate	9.826	149	55144	4.453	ug/ml	99
93)	Fluoranthene	10.392	202	63082	4.759	ug/ml	97
94)	Benzidine	10.547	184	34734	4.646	ug/ml	99
95)	Pyrene	10.622	202	68646	4.862	ug/ml	99
97)	Butyl benzyl phthalate	11.414	149	18529	5.062	ug/ml	99
105)	Benzo(a)anthracene	12.073	228	63749	4.808	ug/ml	99
106)	3,3'-Dichlorobenzidine	12.073	252	20396	4.752	ug/ml	96
107)	Chrysene	12.120	228	66424	4.986	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	12.235	149	27279	4.517	ug/ml#	97
109)	Di-n-octylphthalate	13.226	149	37228	4.966	ug/ml#	96
110)	Benzo(b)fluoranthene	13.655	252	60987	4.798	ug/ml	98
111)	Benzo(k)fluoranthene	13.695	252	59325	4.839	ug/ml	99
112)	Benzo(a)pyrene	14.146	252	49420	4.636	ug/ml	98
114)	Indeno(1,2,3-cd)pyrene	15.846	276	52194	4.559	ug/ml	98
115)	Dibenzo(a,h)anthracene	15.899	278	60024	4.817	ug/ml	98
116)	Benzo(ghi)perylene	16.219	276	62374	4.902	ug/ml	98

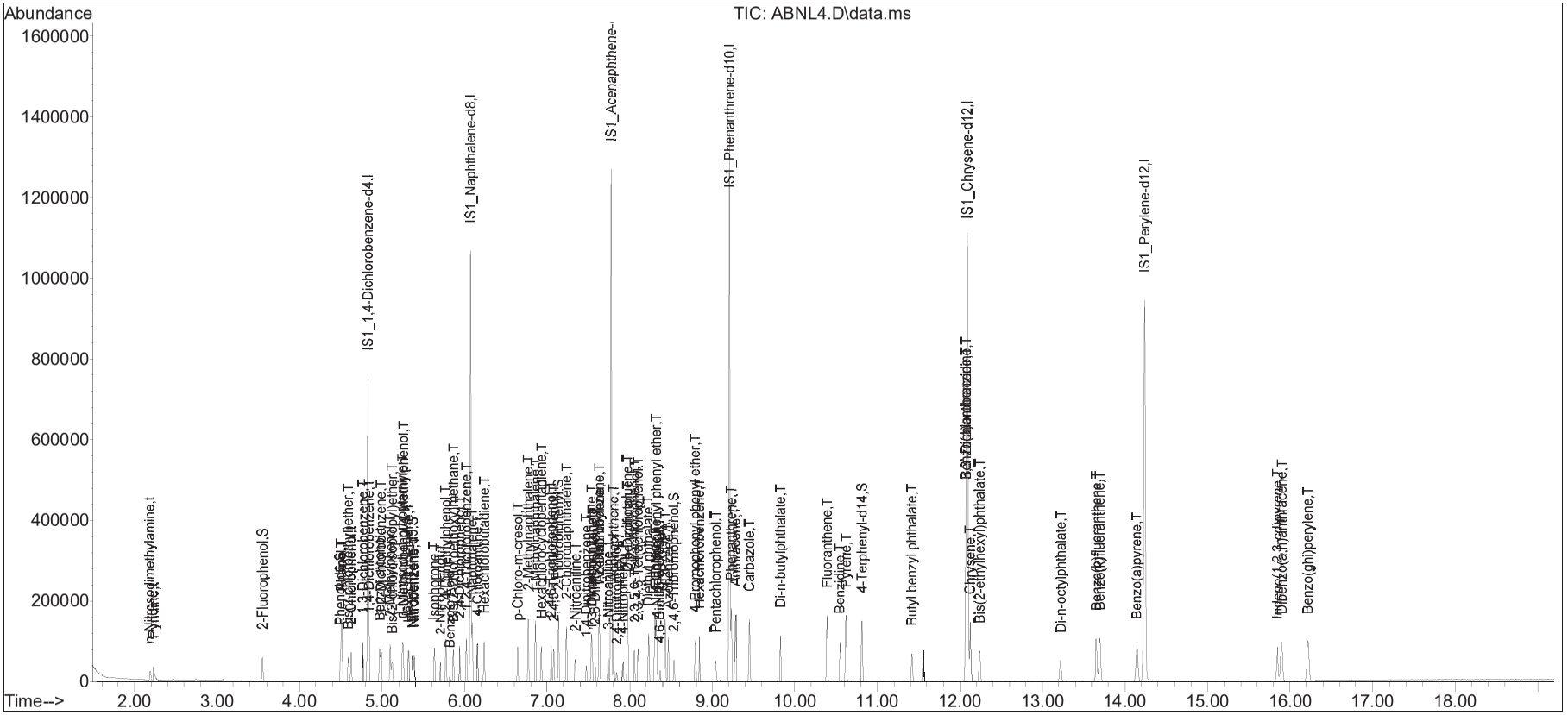
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL4.D
Acq On : 11 Sep 2020 7:01 pm
Operator : sv109:dw
Sample : IL7,32,,ABNL5 Lot# 8904
Misc : WG1409654,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 14 13:20:17 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 10:11:38 2020
Response via : Initial Calibration

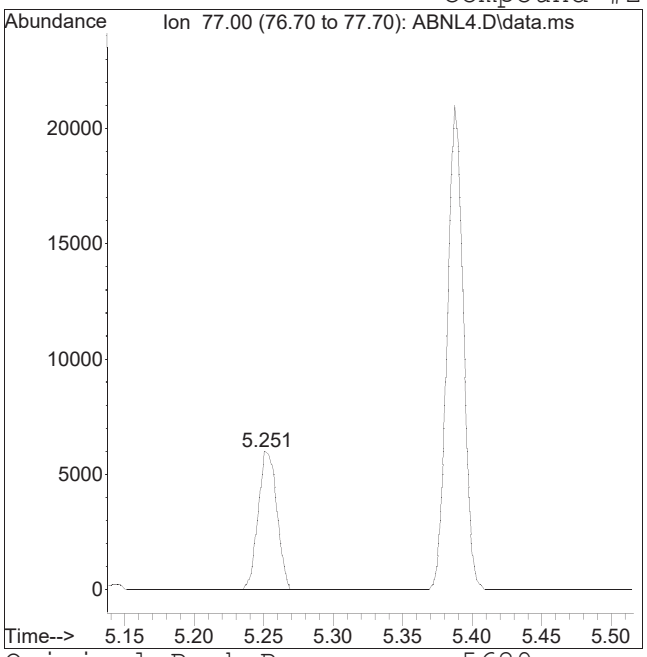
Sub List : ABNical - ABN ical sublistal\ABNL7.D•

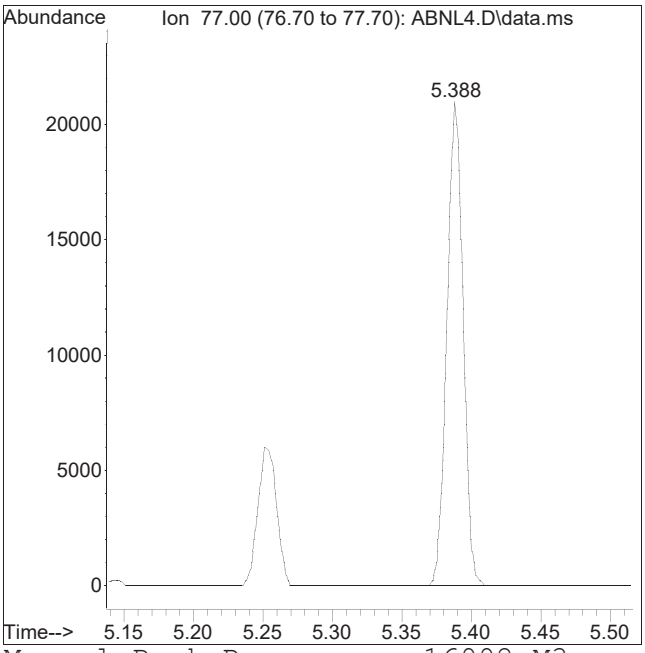


Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : ABNL4.D Operator : sv109:dw
Date Inj'd : 9/11/2020 7:01 pm Instrument : SV109
Sample : IL7,32,,ABNL5 Lot# 8904 Quant Date : 9/14/2020 12:17 pm

Compound #20: Nitrobenzene





Original Peak Response = 5629 Manual Peak Response = 16992 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL3.D
Acq On : 11 Sep 2020 7:25 pm
Operator : sv109:dw
Sample : IL8,32,,ABNL3 Lot# 8903
Misc : WG1409654,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 14 13:19:36 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 10:11:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.828	152	110711	40.000	ug/ml	0.00
Standard Area 1 = 108868			Recovery = 101.69%			
35) IS1_Naphthalene-d8	6.068	136	449657	40.000	ug/ml	0.00
Standard Area 1 = 452978			Recovery = 99.27%			
63) IS1_Acenaphthene-d10	7.775	164	243712	40.000	ug/ml	0.00
Standard Area 1 = 249022			Recovery = 97.87%			
88) IS1_Phenanthrene-d10	9.210	188	471241	40.000	ug/ml	0.00
Standard Area 1 = 478336			Recovery = 98.52%			
104) IS1_Chrysene-d12	12.089	240	425587	40.000	ug/ml	0.00
Standard Area 1 = 472032			Recovery = 90.16%			
113) IS1_Perylene-d12	14.239	264	447802	40.000	ug/ml	0.00
Standard Area 1 = 489564			Recovery = 91.47%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.551	112	9171	2.772	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 5.54%#			
7) Phenol-d6	4.495	99	11528	2.806	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 5.61%#			
19) Nitrobenzene-d5	5.369	82	10620	2.899	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 11.60%#			
46) 2-Fluorobiphenyl	7.134	172	25714	2.965	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 11.86%#			
79) 2,4,6-Tribromophenol	8.539	330	3230	2.606	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 5.21%#			
96) 4-Terphenyl-d14	10.817	244	28576	2.739	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 10.96%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.189	74	6057	2.894	ug/ml#	81
3) Pyridine	2.236	79	10164	2.780	ug/ml	83
5) Aniline	4.508	93	15624	2.826	ug/ml	98
6) 2-Chlorophenol	4.620	128	10664	2.845	ug/ml	98
8) Phenol	4.505	94	14340	2.950	ug/ml	96
9) Bis(2-chloroethyl)ether	4.589	93	9832	2.873	ug/ml	96
10) 1,3-Dichlorobenzene	4.769	146	13021	2.999	ug/ml	100
11) 1,4-Dichlorobenzene	4.844	146	13546	3.052	ug/ml	95
12) 1,2-Dichlorobenzene	4.990	146	12405	2.963	ug/ml	99
13) Benzyl alcohol	4.974	79	7370	2.691	ug/ml	94
14) Bis(2-chloroisopropyl)...	5.120	45	13683	3.002	ug/ml#	92

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL3.D
Acq On : 11 Sep 2020 7:25 pm
Operator : sv109:dw
Sample : IL8,32,,ABNL3 Lot# 8903
Misc : WG1409654,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 14 13:19:36 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 10:11:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.098	108	9797	2.924	ug/ml	96
16) Hexachloroethane	5.322	117	4557	2.849	ug/ml	96
17) n-Nitrosodi-n-propylamine	5.245	70	6444	2.773	ug/ml#	61
18) 3-Methylphenol/4-Methy...	5.254	108	10103	2.831	ug/ml#	96
20) Nitrobenzene	5.388	77	10185M3	2.838	ug/ml	
21) Isophorone	5.627	82	17636	2.718	ug/ml#	93
22) 2-Nitrophenol	5.701	139	4699	2.552	ug/ml#	80
23) 2,4-Dimethylphenol	5.770	107	10273	2.807	ug/ml	98
24) Bis(2-chloroethoxy)met...	5.860	93	13282	2.977	ug/ml#	90
25) 2,4-Dichlorophenol	5.938	162	8887	2.832	ug/ml	99
26) 1,2,4-Trichlorobenzene	6.018	180	11057	3.005	ug/ml	99
36) Naphthalene	6.087	128	35904	3.067	ug/ml	99
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	6.152	65	3814	2.842	ug/ml	94
39) Hexachlorobutadiene	6.233	225	6311	3.080	ug/ml	95
40) p-Chloro-m-cresol	6.640	107	8777	2.786	ug/ml	96
41) 2-Methylnaphthalene	6.764	142	22782	2.930	ug/ml	100
42) 1-Methylnaphthalene	6.861	115	7487	3.025	ug/ml	94
43) Hexachlorocyclopentadiene	6.932	237	7220	2.761	ug/ml#	94
44) 2,4,6-Trichlorophenol	7.050	196	5978	2.653	ug/ml#	85
45) 2,4,5-Trichlorophenol	7.078	196	6620	2.677	ug/ml	98
47) 2-Chloronaphthalene	7.234	162	22007	2.971	ug/ml	99
48) 2-Nitroaniline	7.343	138	5073	2.394	ug/ml	98
49) 1,4-Dinitrobenzene	7.473	168	2374	2.377	ug/ml	96
50) 1,3-Dinitrobenzene	7.548	168	2734	2.352	ug/ml	98
51) Dimethyl phthalate	7.535	163	23270	2.808	ug/ml#	98
52) Acenaphthylene	7.632	152	34901	2.878	ug/ml	98
53) 2,6-Dinitrotoluene	7.582	165	4001	2.447	ug/ml	91
54) 1,2-Dinitrobenzene	7.628	168	1866M3	2.447	ug/ml	
64) 3-Nitroaniline	7.740	138	5208	2.646	ug/ml#	76
65) Acenaphthene	7.803	154	20894	2.958	ug/ml	98
66) 2,4-Dinitrophenol	7.843	184	1344M2	4.124	ug/ml	
67) Dibenzofuran	7.973	168	32219	2.966	ug/ml	99
68) 2,4-Dinitrotoluene	7.970	165	5607	2.506	ug/ml	97
69) 4-Nitrophenol	7.918	65	3551	2.464	ug/ml	95
70) 2,3,5,6-Tetrachlorophenol	8.060	232	5417	2.703	ug/ml	100
71) 2,3,4,6-Tetrachlorophenol	8.104	232	5284	2.696	ug/ml	98
72) Diethyl phthalate	8.225	149	23642	2.837	ug/ml	99
73) Fluorene	8.306	166	24303	2.900	ug/ml	98
74) 4-Chlorophenyl phenyl ...	8.318	204	12188	3.009	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL3.D
Acq On : 11 Sep 2020 7:25 pm
Operator : sv109:dw
Sample : IL8,32,,ABNL3 Lot# 8903
Misc : WG1409654,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 14 13:19:36 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 10:11:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.328	138	4926	2.588	ug/ml	96
76)	4,6-Dinitro-o-cresol	8.365	198	1873M2	3.389	ug/ml	
77)	NDPA/DPA	8.433	169	19511	2.817	ug/ml	99
78)	Azobenzene	8.471	77	21006	2.855	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.791	248	6417	2.843	ug/ml	96
81)	Hexachlorobenzene	8.844	284	8299	2.984	ug/ml	99
82)	Pentachlorophenol	9.036	266	3080	3.323	ug/ml#	19
89)	Phenanthrene	9.232	178	38581	3.008	ug/ml	99
90)	Anthracene	9.282	178	36669	2.909	ug/ml	99
91)	Carbazole	9.447	167	32209	2.781	ug/ml	100
92)	Di-n-butylphthalate	9.826	149	30528	2.433	ug/ml#	95
93)	Fluoranthene	10.392	202	37646	2.803	ug/ml	97
94)	Benzidine	10.547	184	19116	3.124	ug/ml#	90
95)	Pyrene	10.618	202	40281	2.815	ug/ml	100
97)	Butyl benzyl phthalate	11.417	149	10104	3.728	ug/ml#	92
105)	Benzo(a)anthracene	12.076	228	37423	2.855	ug/ml	99
106)	3,3'-Dichlorobenzidine	12.073	252	11087	3.048	ug/ml#	95
107)	Chrysene	12.120	228	39465	2.997	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	12.235	149	14483	3.081	ug/ml#	98
109)	Di-n-octylphthalate	13.223	149	20593	3.897	ug/ml#	73
110)	Benzo(b)fluoranthene	13.655	252	34623	2.755	ug/ml	99
111)	Benzo(k)fluoranthene	13.692	252	33336	2.750	ug/ml	98
112)	Benzo(a)pyrene	14.143	252	27765	2.635	ug/ml	98
114)	Indeno(1,2,3-cd)pyrene	15.843	276	29683	2.607	ug/ml	97
115)	Dibenzo(a,h)anthracene	15.896	278	34017	2.745	ug/ml	99
116)	Benzo(ghi)perylene	16.219	276	34967	2.764	ug/ml	98

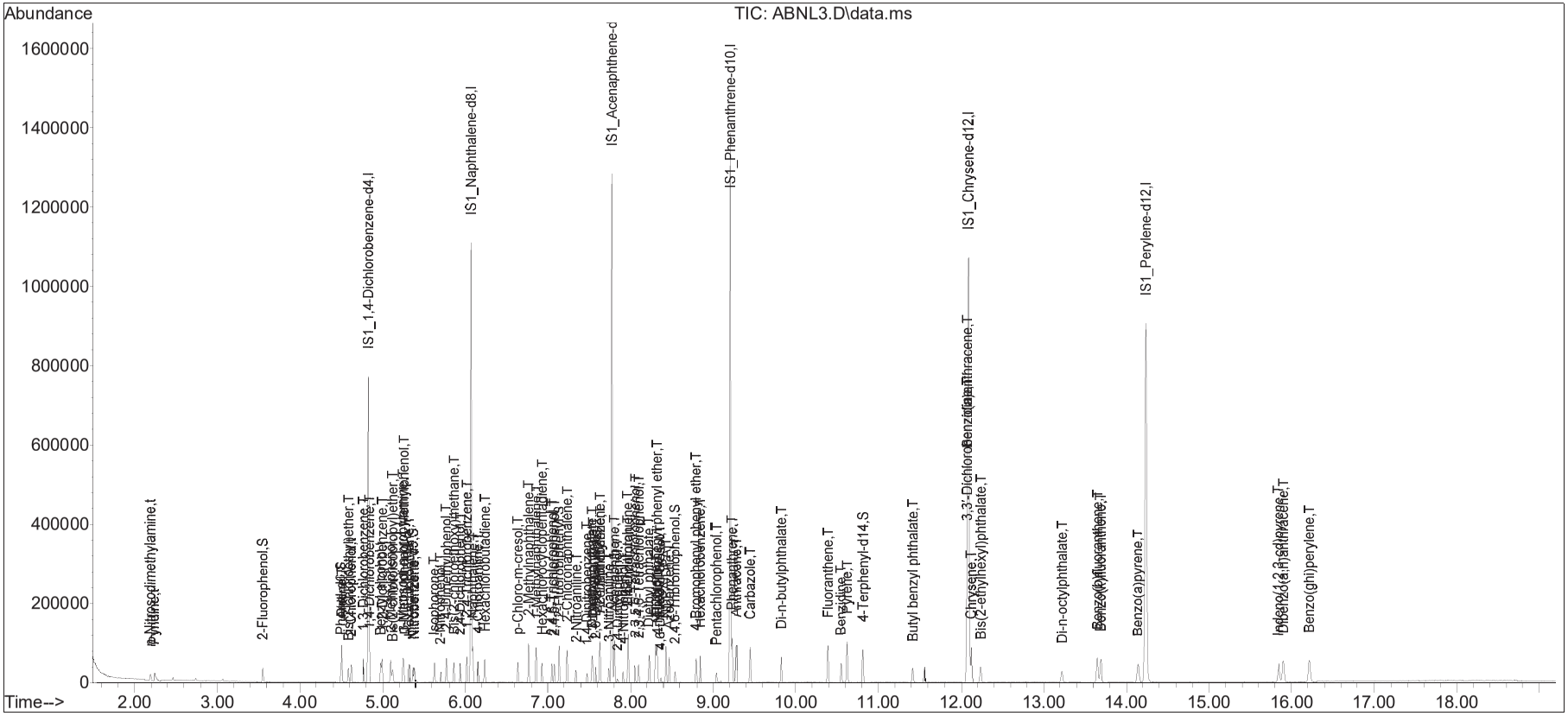
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL3.D
Acq On : 11 Sep 2020 7:25 pm
Operator : sv109:dw
Sample : IL8,32,,ABNL3 Lot# 8903
Misc : WG1409654,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 14 13:19:36 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 10:11:38 2020
Response via : Initial Calibration

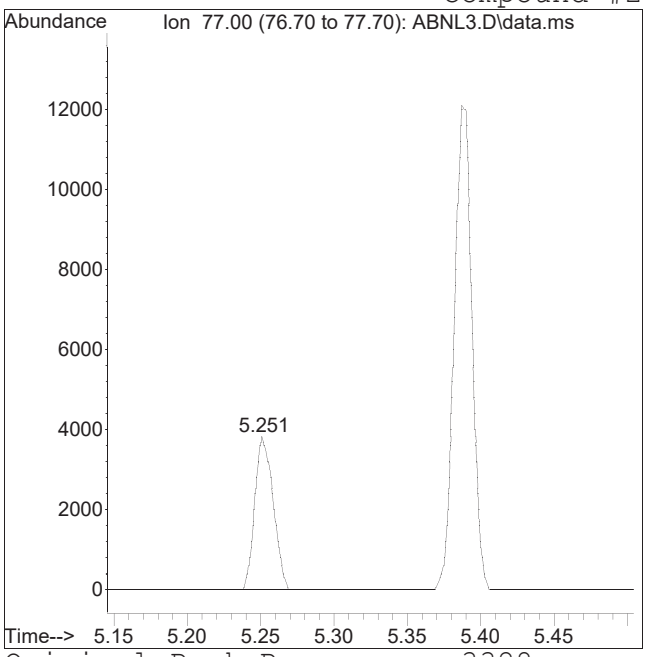
Sub List : ABNical - ABN ical sublistal\ABNL7.D•



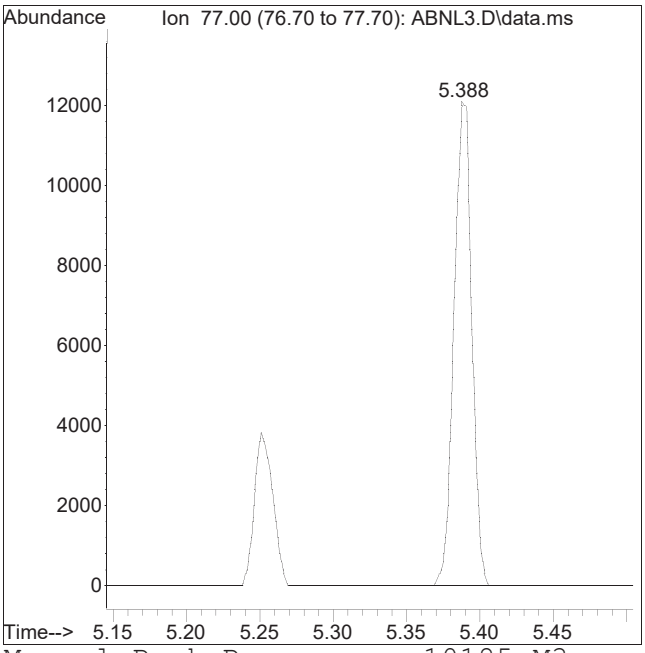
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : ABNL3.D Operator : sv109:dw
Date Inj'd : 9/11/2020 7:25 pm Instrument : SV109
Sample : IL8,32,,ABNL3 Lot# 8903 Quant Date : 9/14/2020 12:16 pm

Compound #20: Nitrobenzene



Original Peak Response = 3328



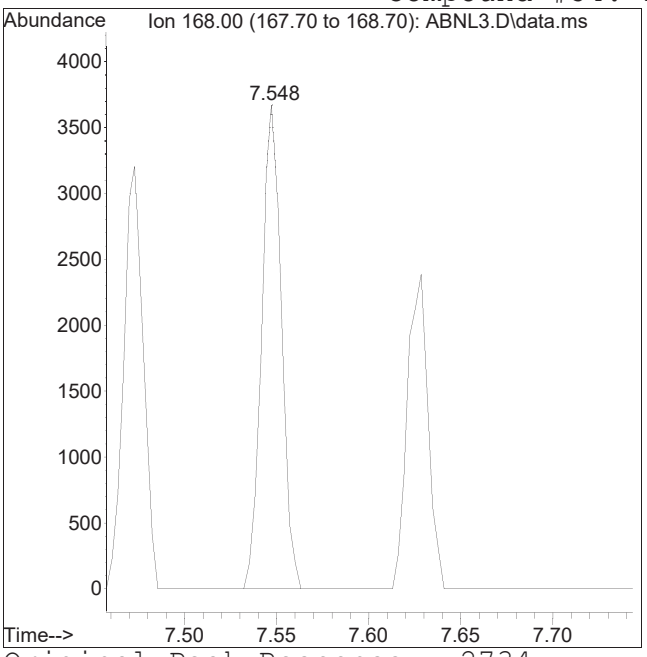
Manual Peak Response = 10185 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

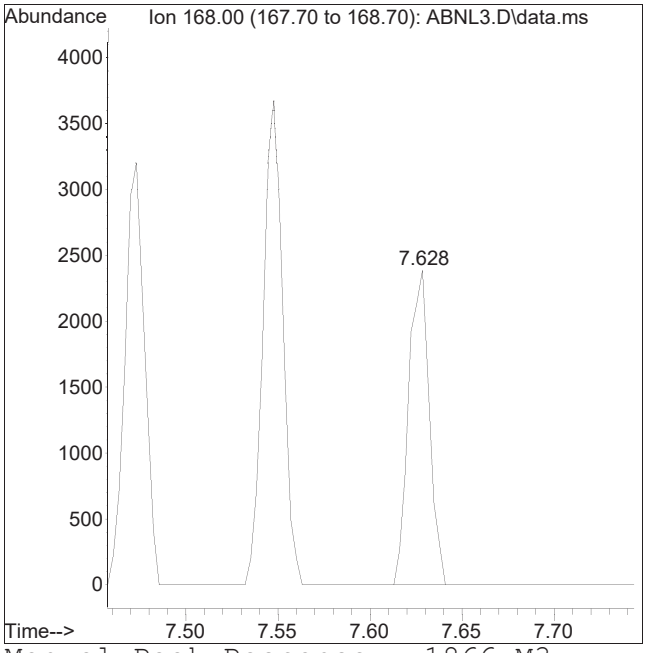
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : ABNL3.D Operator : sv109:dw
Date Inj'd : 9/11/2020 7:25 pm Instrument : SV109
Sample : IL8,32,,ABNL3 Lot# 8903 Quant Date : 9/14/2020 12:16 pm

Compound #54: 1,2-Dinitrobenzene



Original Peak Response = 2734



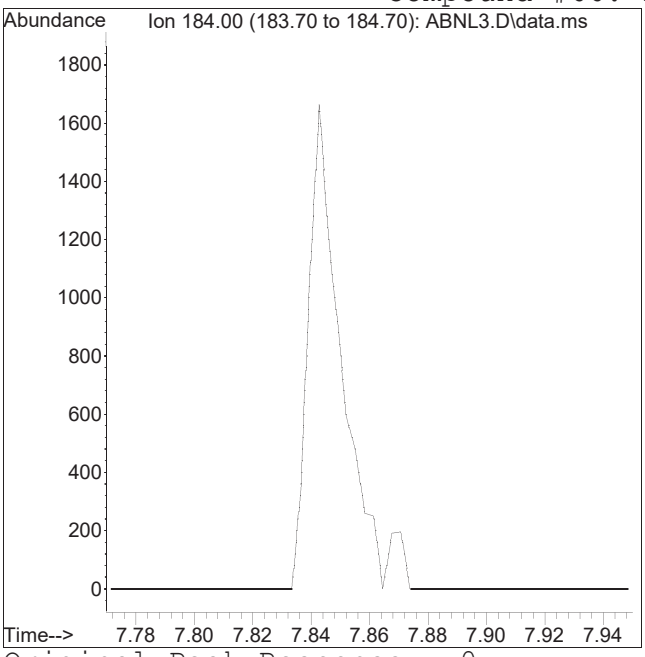
Manual Peak Response = 1866 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

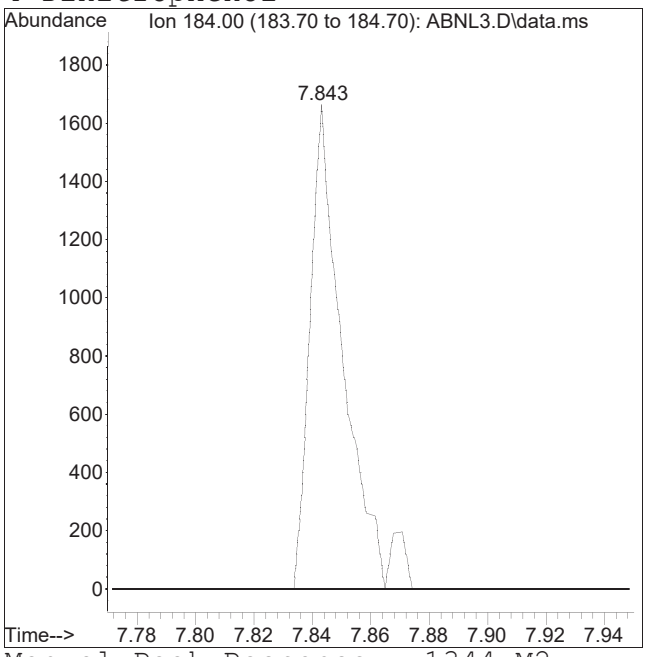
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : ABNL3.D Operator : sv109:dw
Date Inj'd : 9/11/2020 7:25 pm Instrument : SV109
Sample : IL8,32,,ABNL3 Lot# 8903 Quant Date : 9/14/2020 12:16 pm

Compound #66: 2,4-Dinitrophenol



Original Peak Response = 0



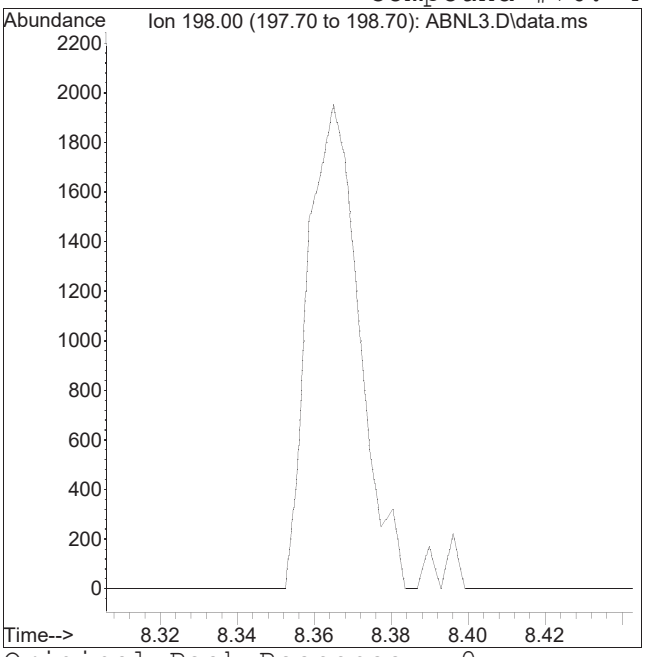
Manual Peak Response = 1344 M2

M2 = Peak not found by automatic integration algorithm.

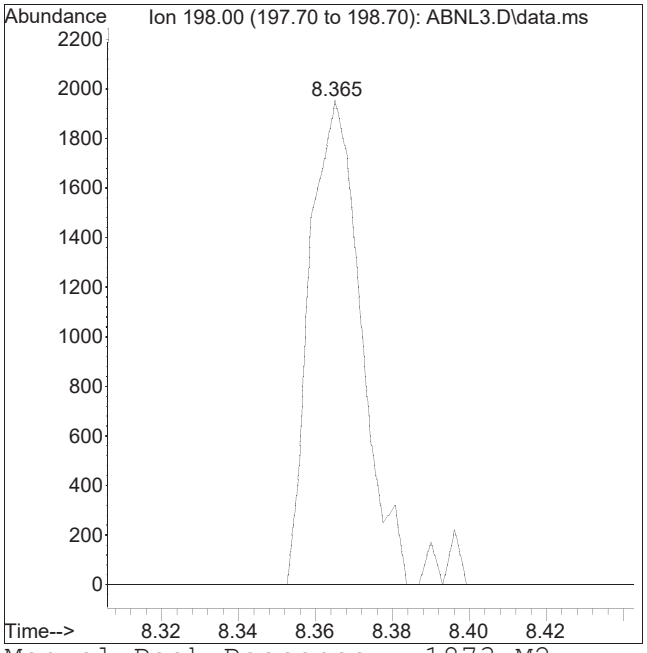
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : ABNL3.D Operator : sv109:dw
Date Inj'd : 9/11/2020 7:25 pm Instrument : SV109
Sample : IL8,32,,ABNL3 Lot# 8903 Quant Date : 9/14/2020 12:16 pm

Compound #76: 4,6-Dinitro-o-cresol



Original Peak Response = 0



Manual Peak Response = 1873 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL2.D
Acq On : 11 Sep 2020 7:50 pm
Operator : sv109:dw
Sample : IL9,32,,ABNL2 Lot# 8902
Misc : WG1409654,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 14 12:26:34 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 10:11:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.828	152	108885	40.000	ug/ml	0.00
Standard Area 1 = 108868			Recovery = 100.02%			
35) IS1_Naphthalene-d8	6.068	136	440882	40.000	ug/ml	0.00
Standard Area 1 = 452978			Recovery = 97.33%			
63) IS1_Acenaphthene-d10	7.774	164	237033	40.000	ug/ml	0.00
Standard Area 1 = 249022			Recovery = 95.19%			
88) IS1_Phenanthrene-d10	9.210	188	451339	40.000	ug/ml	0.00
Standard Area 1 = 478336			Recovery = 94.36%			
104) IS1_Chrysene-d12	12.088	240	397536	40.000	ug/ml	0.00
Standard Area 1 = 472032			Recovery = 84.22%			
113) IS1_Perylene-d12	14.239	264	410788	40.000	ug/ml	0.00
Standard Area 1 = 489564			Recovery = 83.91%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.551	112	6657	2.046	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 4.09%#			
7) Phenol-d6	4.495	99	8016	1.984	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 3.97%#			
19) Nitrobenzene-d5	5.372	82	7221	2.004	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 8.02%#			
46) 2-Fluorobiphenyl	7.134	172	18113	2.130	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 8.52%#			
79) 2,4,6-Tribromophenol	8.539	330	2299	1.907	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 3.81%#			
96) 4-Terphenyl-d14	10.817	244	20106	2.012	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 8.05%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.195	74	4043	1.964	ug/ml#	85
3) Pyridine	2.245	79	7524	2.092	ug/ml#	75
5) Aniline	4.508	93	11240	2.067	ug/ml	97
6) 2-Chlorophenol	4.620	128	7300	1.980	ug/ml	100
8) Phenol	4.505	94	9812	2.053	ug/ml	98
9) Bis(2-chloroethyl)ether	4.589	93	7246	2.153	ug/ml	94
10) 1,3-Dichlorobenzene	4.772	146	8998	2.107	ug/ml	94
11) 1,4-Dichlorobenzene	4.843	146	9498	2.176	ug/ml#	88
12) 1,2-Dichlorobenzene	4.993	146	8819	2.141	ug/ml	99
13) Benzyl alcohol	4.977	79	5237	1.944	ug/ml	98
14) Bis(2-chloroisopropyl)...	5.120	45	9781	2.182	ug/ml#	89

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL2.D
Acq On : 11 Sep 2020 7:50 pm
Operator : sv109:dw
Sample : IL9,32,,ABNL2 Lot# 8902
Misc : WG1409654,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 14 12:26:34 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 10:11:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
15) 2-Methylphenol	5.098	108	6482	1.967 ug/ml#	89
16) Hexachloroethane	5.319	117	3362	2.137 ug/ml#	70
17) n-Nitrosodi-n-propylamine	5.244	70	4280	1.873 ug/ml#	61
18) 3-Methylphenol/4-Methy...	5.254	108	7026	2.002 ug/ml#	94
20) Nitrobenzene	5.387	77	7198M3	2.039 ug/ml	
21) Isophorone	5.630	82	12220	1.915 ug/ml#	93
22) 2-Nitrophenol	5.704	139	2961	1.635 ug/ml#	35
23) 2,4-Dimethylphenol	5.770	107	7088	1.969 ug/ml	99
24) Bis(2-chloroethoxy)met...	5.860	93	8955	2.041 ug/ml#	89
25) 2,4-Dichlorophenol	5.938	162	5966	1.933 ug/ml#	75
26) 1,2,4-Trichlorobenzene	6.018	180	7694	2.126 ug/ml	100
36) Naphthalene	6.087	128	24754	2.157 ug/ml	99
37) Benzoic Acid	0.000		0	N.D.	
38) 4-Chloroaniline	6.155	65	2622	1.993 ug/ml	91
39) Hexachlorobutadiene	6.233	225	4402	2.191 ug/ml	96
40) p-Chloro-m-cresol	6.640	107	6020	1.949 ug/ml#	83
41) 2-Methylnaphthalene	6.764	142	16285	2.136 ug/ml	99
42) 1-Methylnaphthalene	6.861	115	5230	2.155 ug/ml	93
43) Hexachlorocyclopentadiene	6.935	237	5105	1.991 ug/ml#	90
44) 2,4,6-Trichlorophenol	7.050	196	4077	1.845 ug/ml#	83
45) 2,4,5-Trichlorophenol	7.078	196	4489	1.852 ug/ml#	82
47) 2-Chloronaphthalene	7.234	162	15596	2.147 ug/ml	98
48) 2-Nitroaniline	7.342	138	3392	1.633 ug/ml#	67
49) 1,4-Dinitrobenzene	7.476	168	1622M2	1.656 ug/ml	
50) 1,3-Dinitrobenzene	7.548	168	1976M2	1.734 ug/ml	
51) Dimethyl phthalate	7.535	163	16013	1.971 ug/ml#	77
52) Acenaphthylene	7.631	152	23659	1.990 ug/ml	99
53) 2,6-Dinitrotoluene	7.585	165	2779	1.734 ug/ml#	27
54) 1,2-Dinitrobenzene	7.628	168	1256M2	1.680 ug/ml	
64) 3-Nitroaniline	7.737	138	3094	1.617 ug/ml#	61
65) Acenaphthene	7.802	154	14864	2.164 ug/ml	99
66) 2,4-Dinitrophenol	7.846	184	586M2	3.540 ug/ml	
67) Dibenzofuran	7.973	168	22962	2.173 ug/ml	99
68) 2,4-Dinitrotoluene	7.970	165	3546	1.629 ug/ml	94
69) 4-Nitrophenol	7.914	65	2343	1.672 ug/ml#	67
70) 2,3,5,6-Tetrachlorophenol	8.060	232	3568	1.831 ug/ml#	71
71) 2,3,4,6-Tetrachlorophenol	8.104	232	3606	1.892 ug/ml#	73
72) Diethyl phthalate	8.228	149	15888	1.961 ug/ml#	87
73) Fluorene	8.306	166	17295	2.122 ug/ml	95
74) 4-Chlorophenyl phenyl ...	8.318	204	8659	2.198 ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL2.D
Acq On : 11 Sep 2020 7:50 pm
Operator : sv109:dw
Sample : IL9,32,,ABNL2 Lot# 8902
Misc : WG1409654,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 14 12:26:34 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 10:11:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.328	138	2979	1.609	ug/ml	96
76)	4,6-Dinitro-o-cresol	8.365	198	1026M2	2.814	ug/ml	
77)	NDPA/DPA	8.433	169	13894	2.063	ug/ml	96
78)	Azobenzene	8.471	77	13976	1.953	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.791	248	4525	2.061	ug/ml	96
81)	Hexachlorobenzene	8.844	284	5737	2.121	ug/ml#	74
82)	Pentachlorophenol	9.039	266	1964M2	2.729	ug/ml	
89)	Phenanthrene	9.232	178	27164	2.211	ug/ml	99
90)	Anthracene	9.282	178	25150	2.083	ug/ml	99
91)	Carbazole	9.447	167	21347	1.925	ug/ml	98
92)	Di-n-butylphthalate	9.826	149	20770	1.728	ug/ml#	79
93)	Fluoranthene	10.391	202	24743	1.923	ug/ml	97
94)	Benzidine	10.547	184	12068	2.508	ug/ml#	69
95)	Pyrene	10.618	202	27147	1.981	ug/ml	100
97)	Butyl benzyl phthalate	11.414	149	6450	3.210	ug/ml#	89
105)	Benzo(a)anthracene	12.073	228	24246	1.980	ug/ml	99
106)	3,3'-Dichlorobenzidine	12.076	252	6757	2.325	ug/ml#	90
107)	Chrysene	12.120	228	27141	2.206	ug/ml	97
108)	Bis(2-ethylhexyl)phtha...	12.235	149	8777	2.495	ug/ml#	97
109)	Di-n-octylphthalate	13.220	149	12855	3.447	ug/ml#	73
110)	Benzo(b)fluoranthene	13.652	252	22239	1.894	ug/ml	98
111)	Benzo(k)fluoranthene	13.695	252	22151	1.957	ug/ml	98
112)	Benzo(a)pyrene	14.146	252	17644	1.792	ug/ml	97
114)	Indeno(1,2,3-cd)pyrene	15.846	276	18856	1.806	ug/ml	97
115)	Dibenzo(a,h)anthracene	15.899	278	21328	1.876	ug/ml	98
116)	Benzo(ghi)perylene	16.219	276	22555	1.944	ug/ml	98

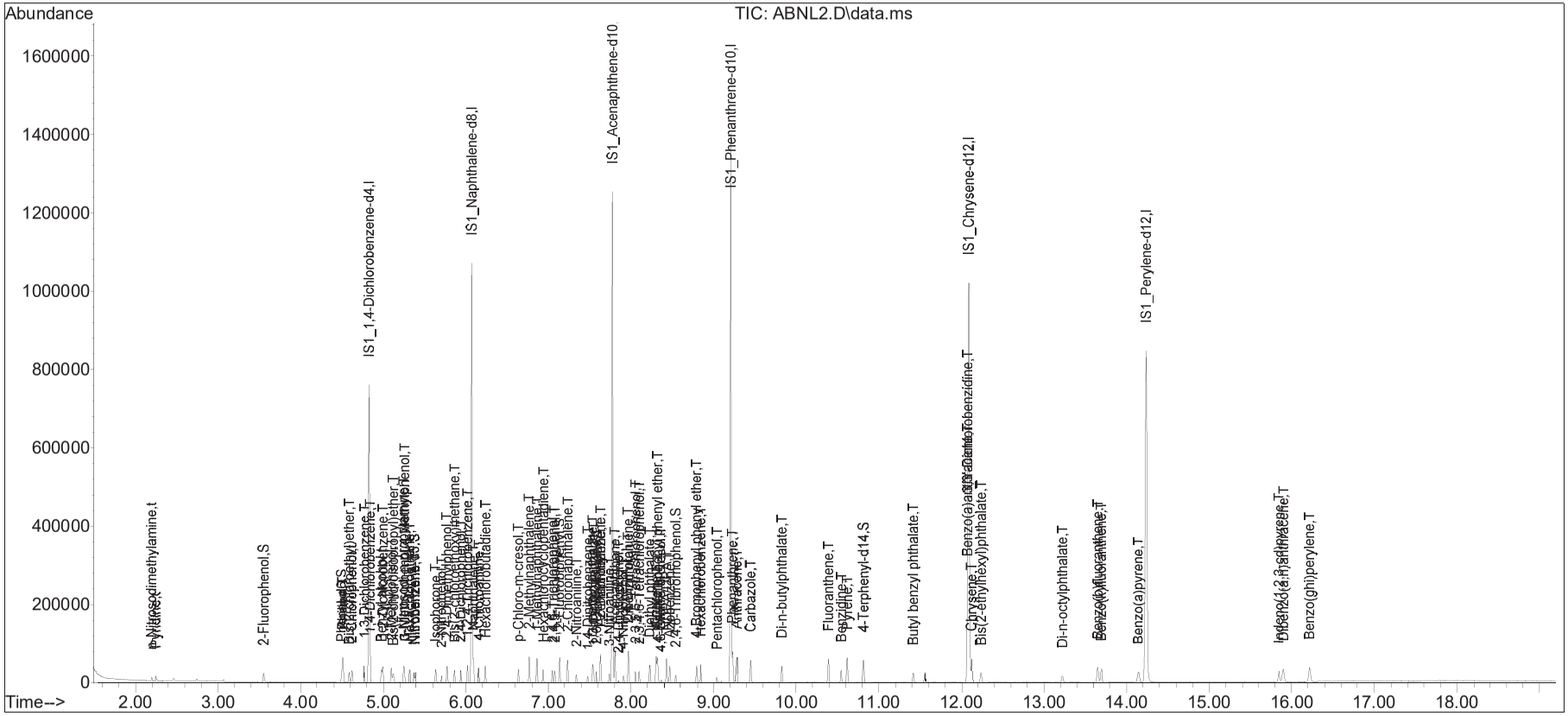
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL2.D
Acq On : 11 Sep 2020 7:50 pm
Operator : sv109:dw
Sample : IL9,32,,ABNL2 Lot# 8902
Misc : WG1409654,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 14 12:26:34 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 10:11:38 2020
Response via : Initial Calibration

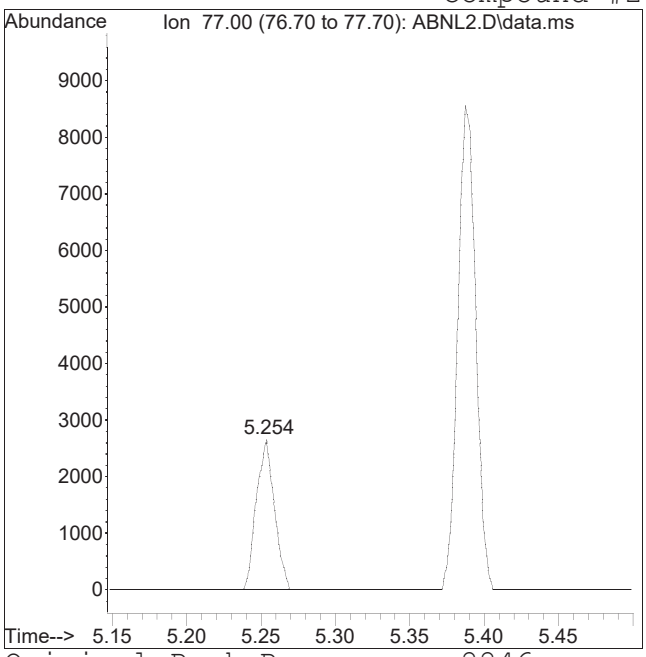
Sub List : ABNical - ABN ical sublistal\ABNL7.D•



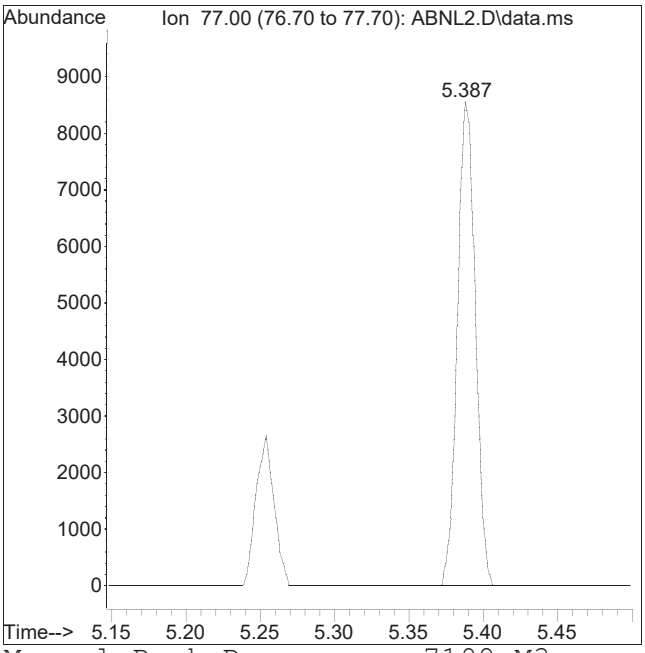
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : ABNL2.D Operator : sv109:dw
Date Inj'd : 9/11/2020 7:50 pm Instrument : SV109
Sample : IL9,32,,ABNL2 Lot# 8902 Quant Date : 9/14/2020 12:16 pm

Compound #20: Nitrobenzene



Original Peak Response = 2246



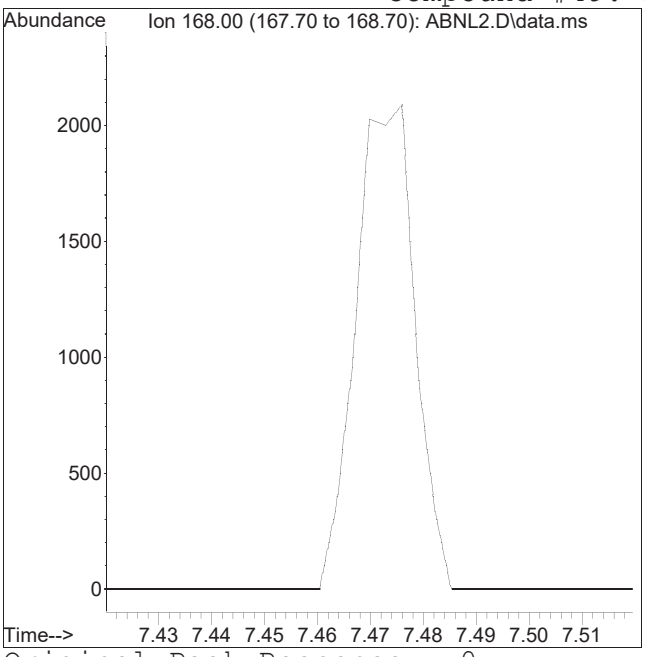
Manual Peak Response = 7198 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

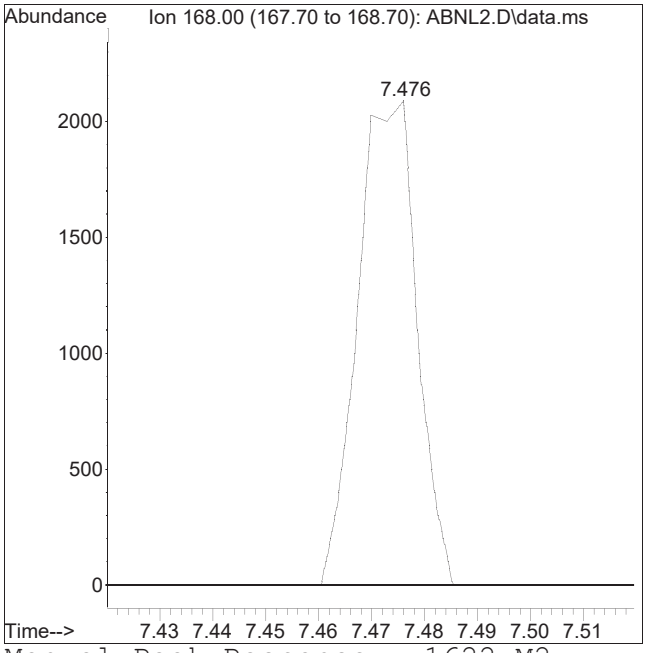
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : ABNL2.D Operator : sv109:dw
Date Inj'd : 9/11/2020 7:50 pm Instrument : SV109
Sample : IL9,32,,ABNL2 Lot# 8902 Quant Date : 9/14/2020 12:16 pm

Compound #49: 1,4-Dinitrobenzene



Original Peak Response = 0



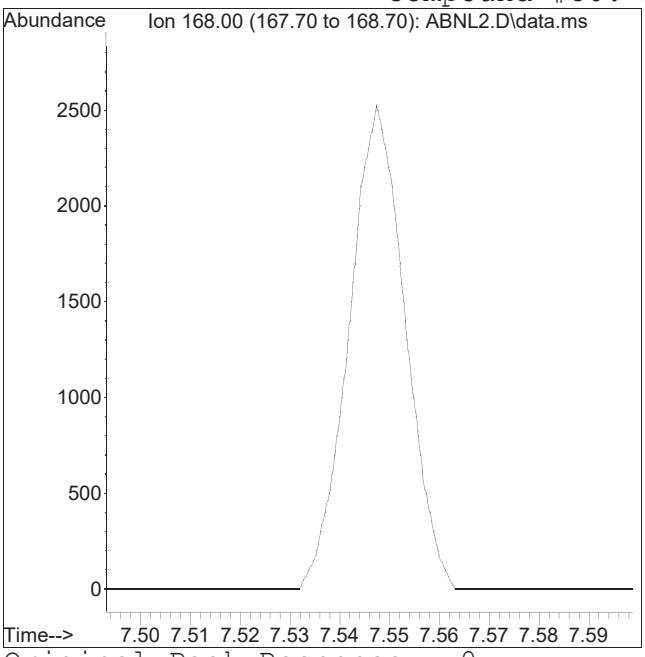
Manual Peak Response = 1622 M2

M2 = Peak not found by automatic integration algorithm.

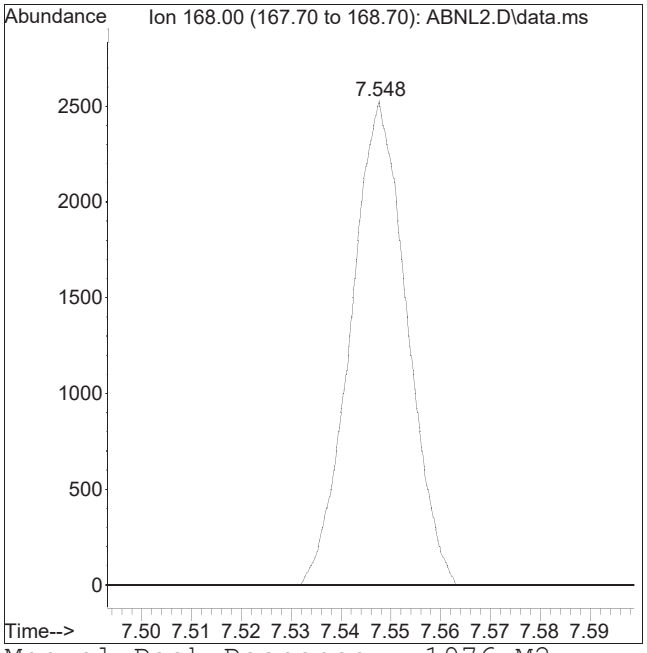
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : ABNL2.D Operator : sv109:dw
Date Inj'd : 9/11/2020 7:50 pm Instrument : SV109
Sample : IL9,32,,ABNL2 Lot# 8902 Quant Date : 9/14/2020 12:16 pm

Compound #50: 1,3-Dinitrobenzene



Original Peak Response = 0



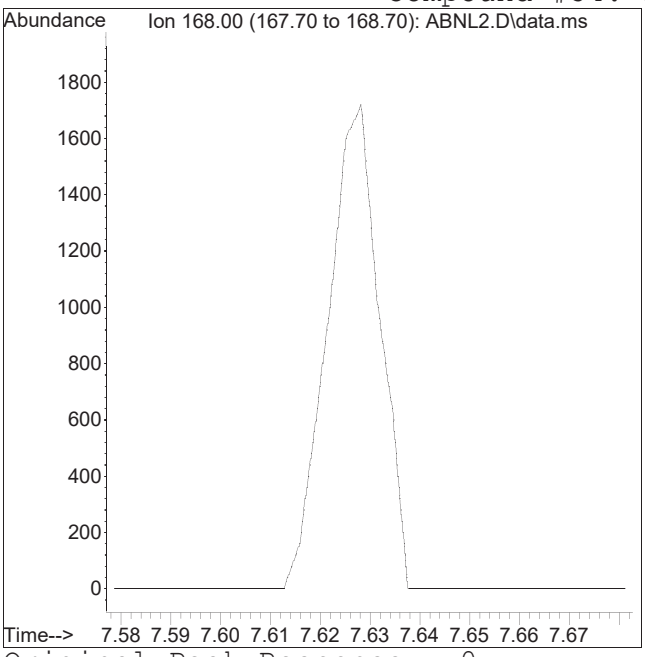
Manual Peak Response = 1976 M2

M2 = Peak not found by automatic integration algorithm.

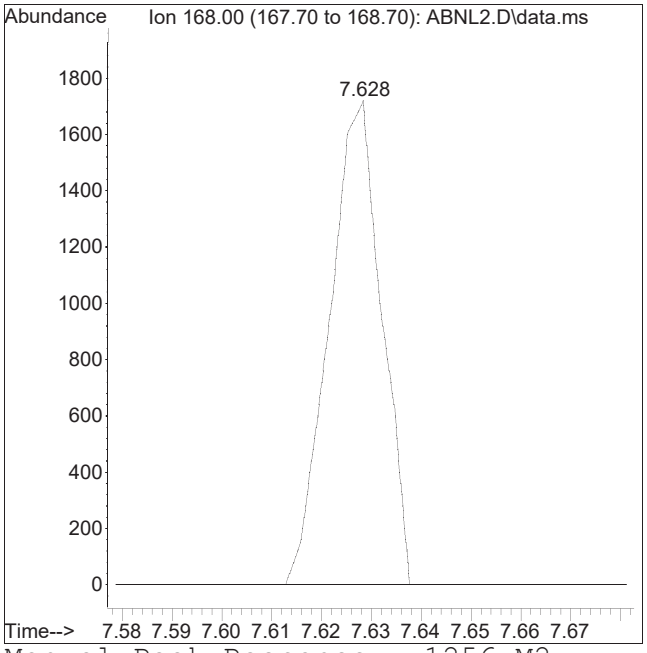
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : ABNL2.D Operator : sv109:dw
Date Inj'd : 9/11/2020 7:50 pm Instrument : SV109
Sample : IL9,32,,ABNL2 Lot# 8902 Quant Date : 9/14/2020 12:16 pm

Compound #54: 1,2-Dinitrobenzene



Original Peak Response = 0



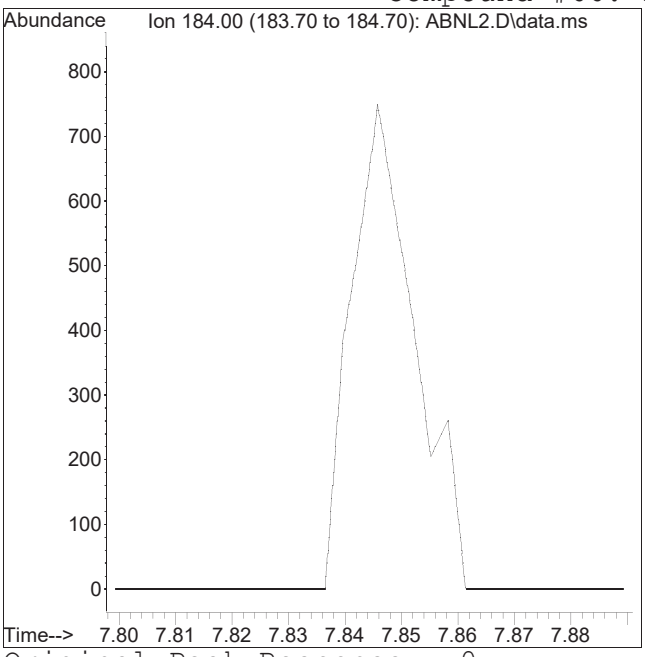
Manual Peak Response = 1256 M2

M2 = Peak not found by automatic integration algorithm.

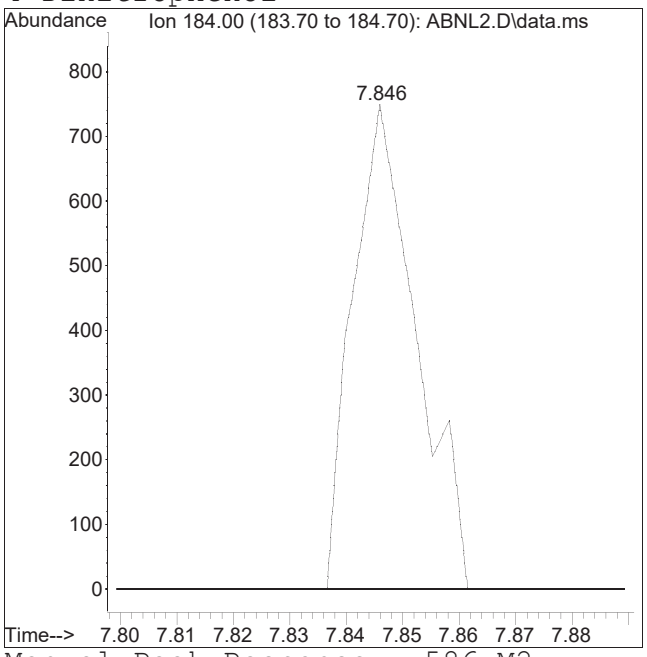
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : ABNL2.D Operator : sv109:dw
Date Inj'd : 9/11/2020 7:50 pm Instrument : SV109
Sample : IL9,32,,ABNL2 Lot# 8902 Quant Date : 9/14/2020 12:16 pm

Compound #66: 2,4-Dinitrophenol



Original Peak Response = 0



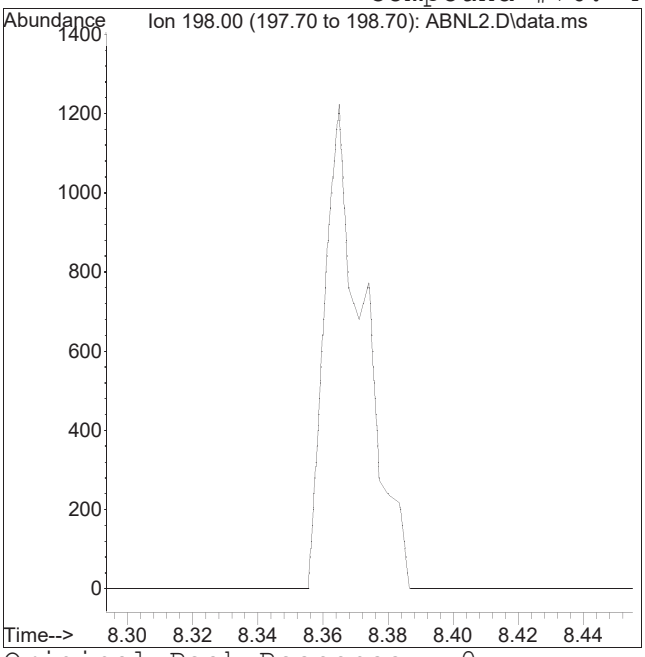
Manual Peak Response = 586 M2

M2 = Peak not found by automatic integration algorithm.

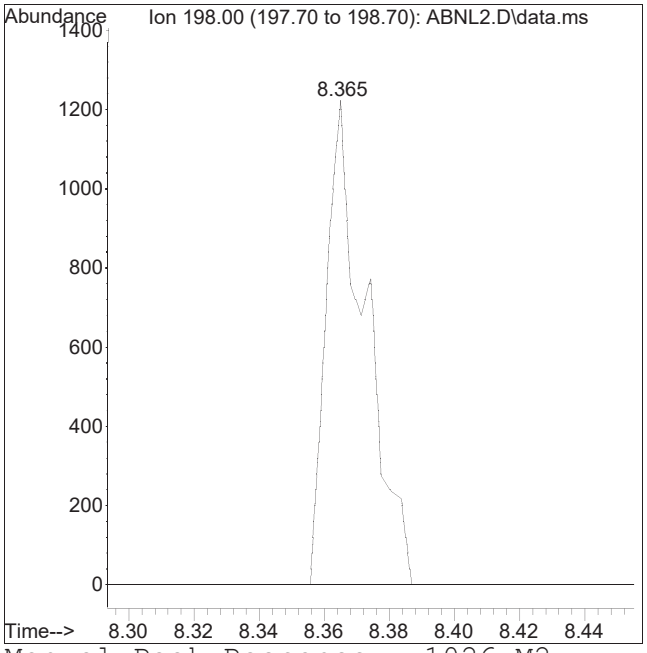
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : ABNL2.D Operator : sv109:dw
Date Inj'd : 9/11/2020 7:50 pm Instrument : SV109
Sample : IL9,32,,ABNL2 Lot# 8902 Quant Date : 9/14/2020 12:16 pm

Compound #76: 4,6-Dinitro-o-cresol



Original Peak Response = 0



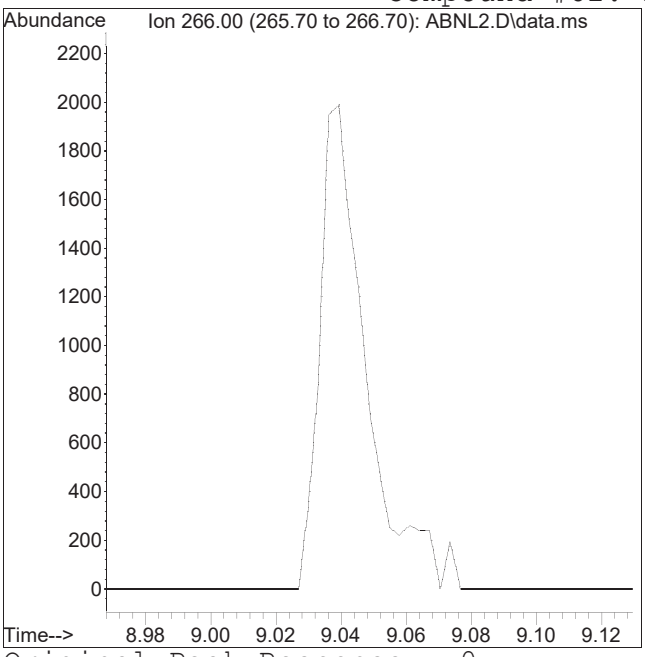
Manual Peak Response = 1026 M2

M2 = Peak not found by automatic integration algorithm.

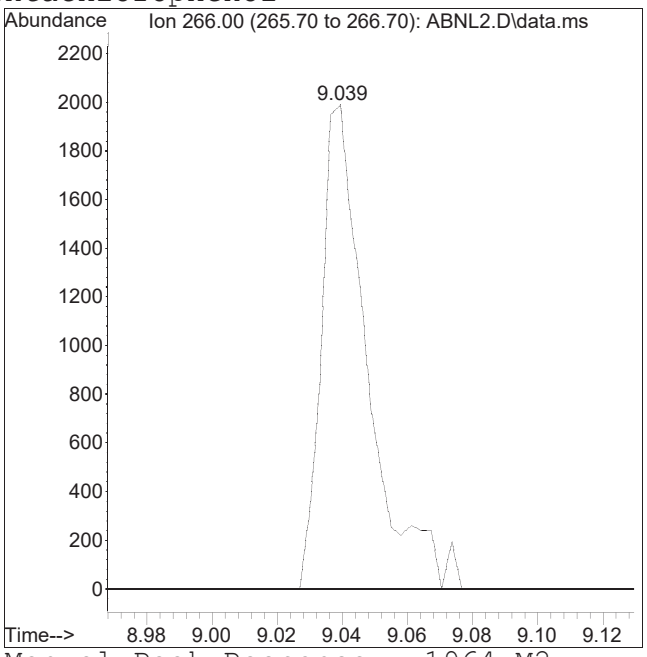
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : ABNL2.D Operator : sv109:dw
Date Inj'd : 9/11/2020 7:50 pm Instrument : SV109
Sample : IL9,32,,ABNL2 Lot# 8902 Quant Date : 9/14/2020 12:16 pm

Compound #82: Pentachlorophenol



Original Peak Response = 0



Manual Peak Response = 1964 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL1.D
Acq On : 11 Sep 2020 8:14 pm
Operator : sv109:dw
Sample : IL10,32,,ABNL1 Lot# 8901
Misc : WG1409654,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 13 12:08:03 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.828	152	106973	40.000	ug/ml	0.00
Standard Area 1 = 108868			Recovery = 98.26%			
35) IS1_Naphthalene-d8	6.068	136	430748	40.000	ug/ml	0.00
Standard Area 1 = 452978			Recovery = 95.09%			
63) IS1_Acenaphthene-d10	7.772	164	228188	40.000	ug/ml	0.00
Standard Area 1 = 249022			Recovery = 91.63%			
88) IS1_Phenanthrene-d10	9.211	188	434560	40.000	ug/ml	0.00
Standard Area 1 = 478336			Recovery = 90.85%			
104) IS1_Chrysene-d12	12.086	240	376563	40.000	ug/ml	0.00
Standard Area 1 = 472032			Recovery = 79.77%			
113) IS1_Perylene-d12	14.240	264	391529	40.000	ug/ml	0.00
Standard Area 1 = 489564			Recovery = 79.98%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.551	112	3332	1.004	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 2.01%#			
7) Phenol-d6	4.496	99	4617	1.133	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 2.27%#			
19) Nitrobenzene-d5	5.372	82	3797	1.043	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 4.17%#			
46) 2-Fluorobiphenyl	7.134	172	10138	1.250	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 5.00%#			
79) 2,4,6-Tribromophenol	8.536	330	870M2	0.685	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 1.37%#			
96) 4-Terphenyl-d14	10.818	244	10598	1.080	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 4.32%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.199	74	2188	1.061	ug/ml#	8
3) Pyridine	2.255	79	4084	1.137	ug/ml#	68
5) Aniline	4.508	93	6002	1.105	ug/ml	97
6) 2-Chlorophenol	4.620	128	4129	1.102	ug/ml#	35
8) Phenol	4.508	94	4880	1.009	ug/ml	96
9) Bis(2-chloroethyl)ether	4.589	93	3746	1.135	ug/ml#	79
10) 1,3-Dichlorobenzene	4.772	146	5317	1.294	ug/ml	98
11) 1,4-Dichlorobenzene	4.844	146	5233	1.252	ug/ml	95
12) 1,2-Dichlorobenzene	4.990	146	4830	1.211	ug/ml	98
13) Benzyl alcohol	4.977	79	2897	1.038	ug/ml#	61

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL1.D
Acq On : 11 Sep 2020 8:14 pm
Operator : sv109:dw
Sample : IL10,32,,ABNL1 Lot# 8901
Misc : WG1409654,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 13 12:08:03 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
14) Bis(2-chloroisopropyl)...	5.120	45	5458	1.271	ug/ml#	50
15) 2-Methylphenol	5.099	108	3691	1.122	ug/ml#	87
16) Hexachloroethane	5.319	117	1856M2	1.206	ug/ml	
17) n-Nitrosodi-n-propylamine	5.245	70	2476	1.050	ug/ml#	61
18) 3-Methylphenol/4-Methy...	5.254	108	3800	1.079	ug/ml#	93
20) Nitrobenzene	5.388	77	3809	1.073	ug/ml#	37
21) Isophorone	5.630	82	6199	0.930	ug/ml#	66
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	5.770	107	3659	0.989	ug/ml#	70
24) Bis(2-chloroethoxy)met...	5.860	93	4942	1.151	ug/ml#	49
25) 2,4-Dichlorophenol	5.938	162	2953	0.925	ug/ml#	25
26) 1,2,4-Trichlorobenzene	6.019	180	4343	1.256	ug/ml#	84
36) Naphthalene	6.087	128	13780	1.274	ug/ml#	54
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	6.155	65	1449M2	1.123	ug/ml	
39) Hexachlorobutadiene	6.233	225	2291	1.203	ug/ml#	19
40) p-Chloro-m-cresol	6.640	107	3325	1.078	ug/ml#	85
41) 2-Methylnaphthalene	6.765	142	8749	1.209	ug/ml	100
42) 1-Methylnaphthalene	6.861	115	2808	1.221	ug/ml	100
43) Hexachlorocyclopentadiene	6.932	237	2675	1.046	ug/ml#	28
44) 2,4,6-Trichlorophenol	7.051	196	2029	0.887	ug/ml#	77
45) 2,4,5-Trichlorophenol	7.078	196	2433	0.978	ug/ml#	82
47) 2-Chloronaphthalene	7.234	162	8481	1.241	ug/ml	99
48) 2-Nitroaniline	7.340	138	1886M2	0.830	ug/ml	
49) 1,4-Dinitrobenzene	7.473	168	766M2	0.709	ug/ml	
50) 1,3-Dinitrobenzene	7.548	168	831M2	0.677	ug/ml	
51) Dimethyl phthalate	7.535	163	8683	1.080	ug/ml#	77
52) Acenaphthylene	7.632	152	12777	1.080	ug/ml#	86
53) 2,6-Dinitrotoluene	7.582	165	1367M2	0.786	ug/ml	
54) 1,2-Dinitrobenzene	7.629	168	619M2	0.777	ug/ml	
64) 3-Nitroaniline	7.737	138	1654M2	0.824	ug/ml	
65) Acenaphthene	7.803	154	8168	1.280	ug/ml	99
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	7.971	168	12767	1.295	ug/ml	95
68) 2,4-Dinitrotoluene	0.000		0	N.D.		
69) 4-Nitrophenol	7.918	65	988M2	0.662	ug/ml	
70) 2,3,5,6-Tetrachlorophenol	8.058	232	1694M2	0.852	ug/ml	
71) 2,3,4,6-Tetrachlorophenol	8.101	232	1649M2	0.849	ug/ml	
72) Diethyl phthalate	8.225	149	8447	1.059	ug/ml#	62
73) Fluorene	8.303	166	9327	1.224	ug/ml#	90

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL1.D
Acq On : 11 Sep 2020 8:14 pm
Operator : sv109:dw
Sample : IL10,32,,ABNL1 Lot# 8901
Misc : WG1409654,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 13 12:08:03 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	8.319	204	4434	1.210	ug/ml#	79
75) 4-Nitroaniline	8.328	138	1324M2	0.674	ug/ml	
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	8.434	169	7072	1.081	ug/ml	97
78) Azobenzene	8.471	77	7114	1.004	ug/ml#	55
80) 4-Bromophenyl phenyl e...	8.791	248	2399	1.144	ug/ml#	60
81) Hexachlorobenzene	8.844	284	3184	1.286	ug/ml#	40
82) Pentachlorophenol	0.000		0	N.D.		
89) Phenanthrene	9.229	178	14641	1.305	ug/ml	98
90) Anthracene	9.282	178	13182	1.122	ug/ml#	83
91) Carbazole	9.447	167	11799	1.069	ug/ml#	87
92) Di-n-butylphthalate	9.826	149	10838	0.848	ug/ml#	79
93) Fluoranthene	10.392	202	13684	1.080	ug/ml#	83
94) Benzidine	10.547	184	6216	0.676	ug/ml#	69
95) Pyrene	10.619	202	14697	1.096	ug/ml	98
97) Butyl benzyl phthalate	11.417	149	3335	0.615	ug/ml#	90
105) Benzo(a)anthracene	12.076	228	13364	1.145	ug/ml	98
106) 3,3'-Dichlorobenzidine	12.076	252	3431	0.745	ug/ml#	91
107) Chrysene	12.120	228	14761	1.333	ug/ml	99
108) Bis(2-ethylhexyl)phtha...	12.232	149	4298	0.591	ug/ml#	55
109) Di-n-octylphthalate	13.220	149	6843	0.568	ug/ml#	73
110) Benzo(b)fluoranthene	13.652	252	11548	0.972	ug/ml#	85
111) Benzo(k)fluoranthene	13.696	252	11359	1.010	ug/ml#	86
112) Benzo(a)pyrene	14.143	252	8800	0.851	ug/ml#	84
114) Indeno(1,2,3-cd)pyrene	15.846	276	9556	0.876	ug/ml	97
115) Dibenzo(a,h)anthracene	15.899	278	10750	0.942	ug/ml	99
116) Benzo(ghi)perylene	16.219	276	11752	1.016	ug/ml	99

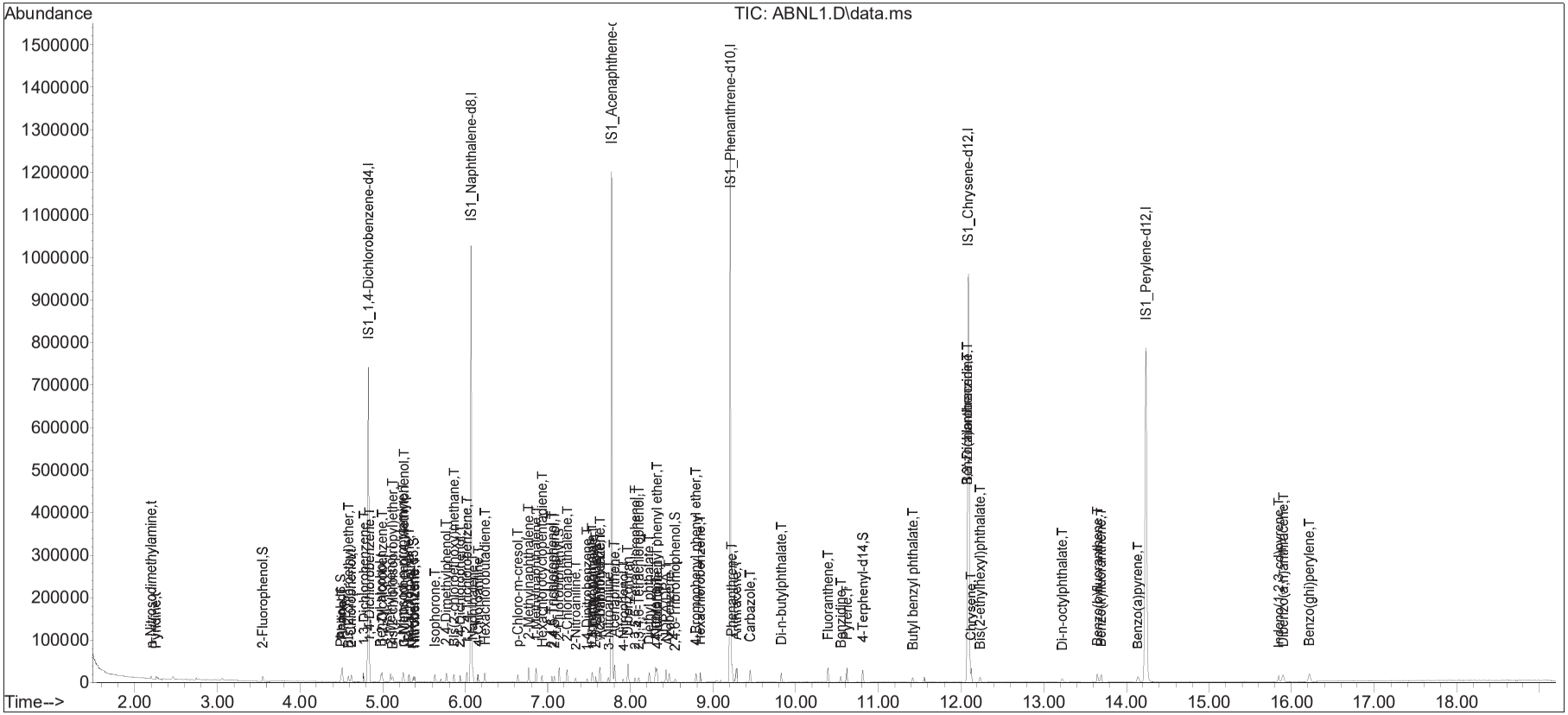
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNL1.D
Acq On : 11 Sep 2020 8:14 pm
Operator : sv109:dw
Sample : IL10,32,,ABNL1 Lot# 8901
Misc : WG1409654,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 13 12:08:03 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

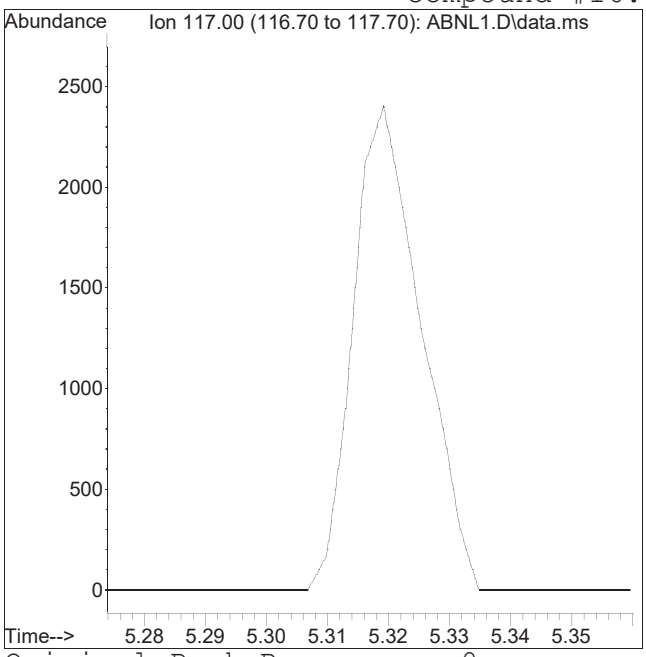
Sub List : ABNical - ABN ical sublistal\ABNL7.D•



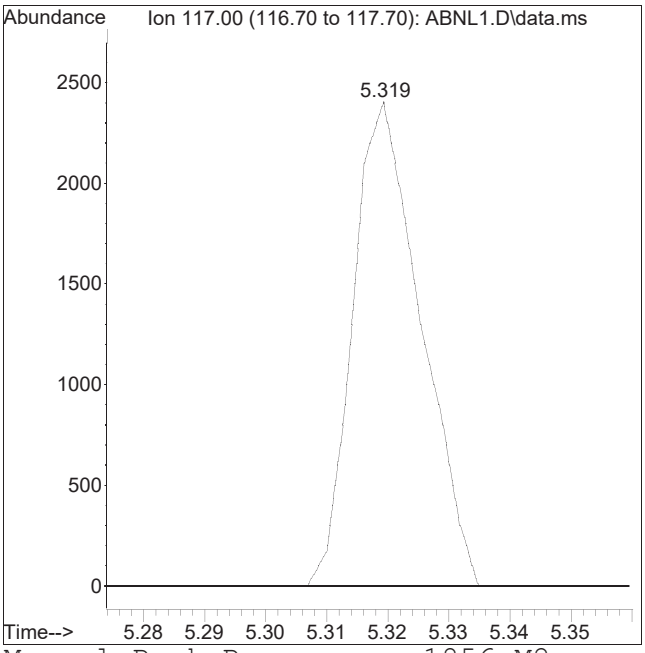
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : ABNL1.D Operator : sv109:dw
Date Inj'd : 9/11/2020 8:14 pm Instrument : SV109
Sample : IL10,32,,ABNL1 Lot# 8901 Quant Date : 9/13/2020 12:00 pm

Compound #16: Hexachloroethane



Original Peak Response = 0



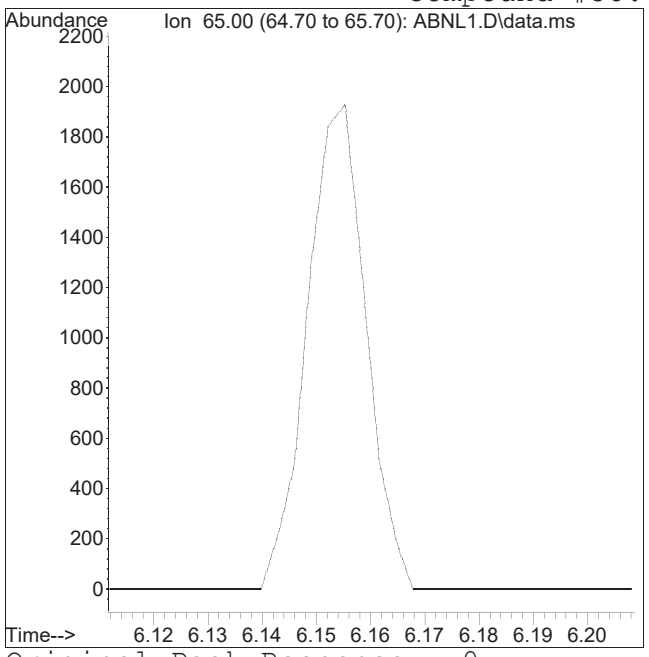
Manual Peak Response = 1856 M2

M2 = Peak not found by automatic integration algorithm.

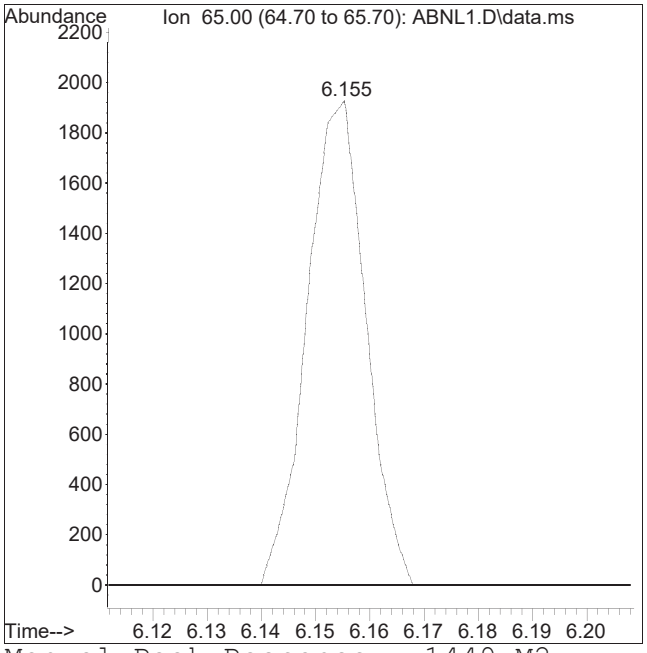
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : ABNL1.D Operator : sv109:dw
Date Inj'd : 9/11/2020 8:14 pm Instrument : SV109
Sample : IL10,32,,ABNL1 Lot# 8901 Quant Date : 9/13/2020 12:00 pm

Compound #38: 4-Chloroaniline



Original Peak Response = 0



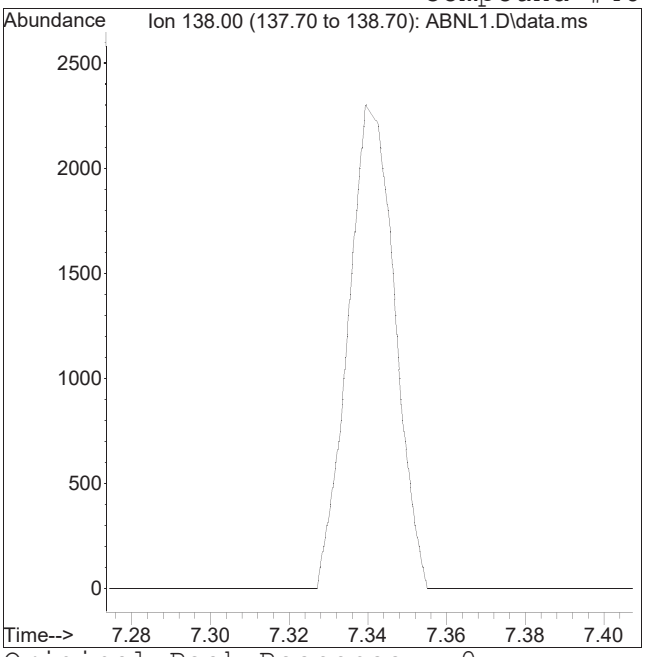
Manual Peak Response = 1449 M2

M2 = Peak not found by automatic integration algorithm.

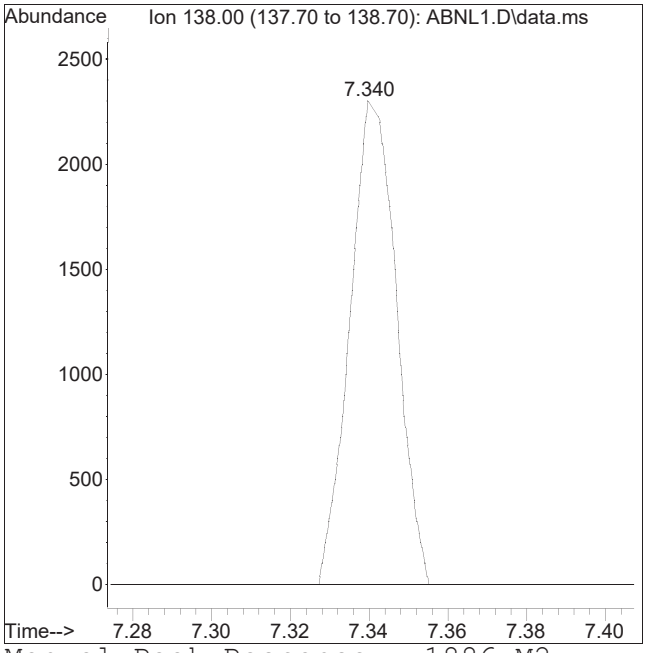
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : ABNL1.D Operator : sv109:dw
Date Inj'd : 9/11/2020 8:14 pm Instrument : SV109
Sample : IL10,32,,ABNL1 Lot# 8901 Quant Date : 9/13/2020 12:00 pm

Compound #48: 2-Nitroaniline



Original Peak Response = 0



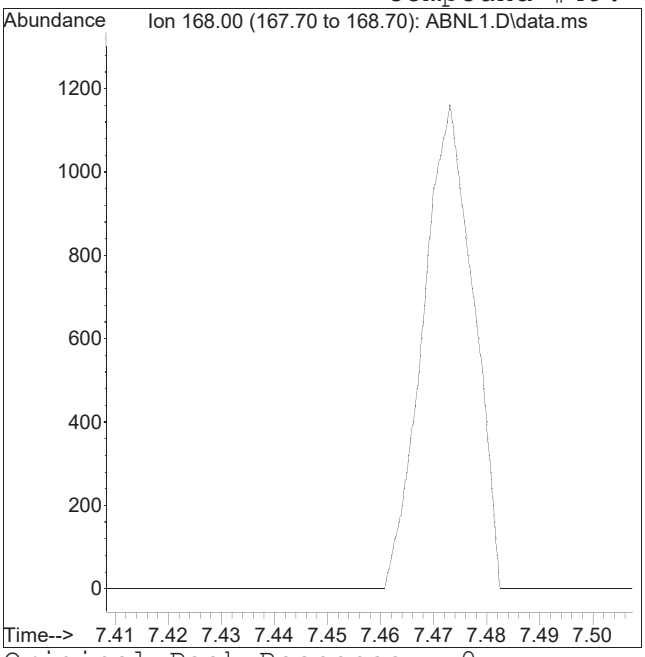
Manual Peak Response = 1886 M2

M2 = Peak not found by automatic integration algorithm.

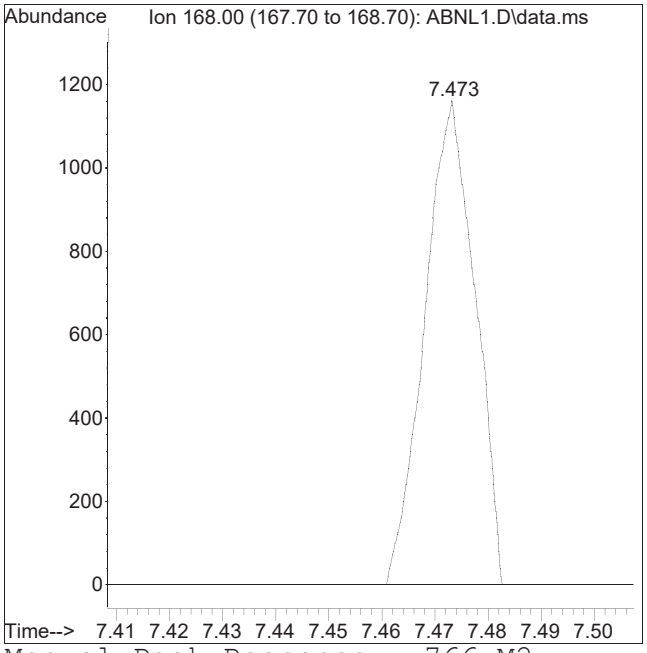
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : ABNL1.D Operator : sv109:dw
Date Inj'd : 9/11/2020 8:14 pm Instrument : SV109
Sample : IL10,32,,ABNL1 Lot# 8901 Quant Date : 9/13/2020 12:00 pm

Compound #49: 1,4-Dinitrobenzene



Original Peak Response = 0



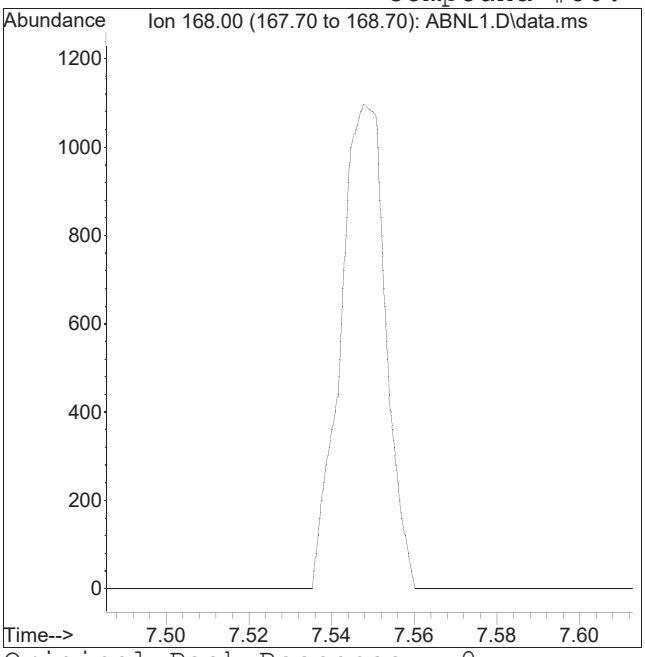
Manual Peak Response = 766 M2

M2 = Peak not found by automatic integration algorithm.

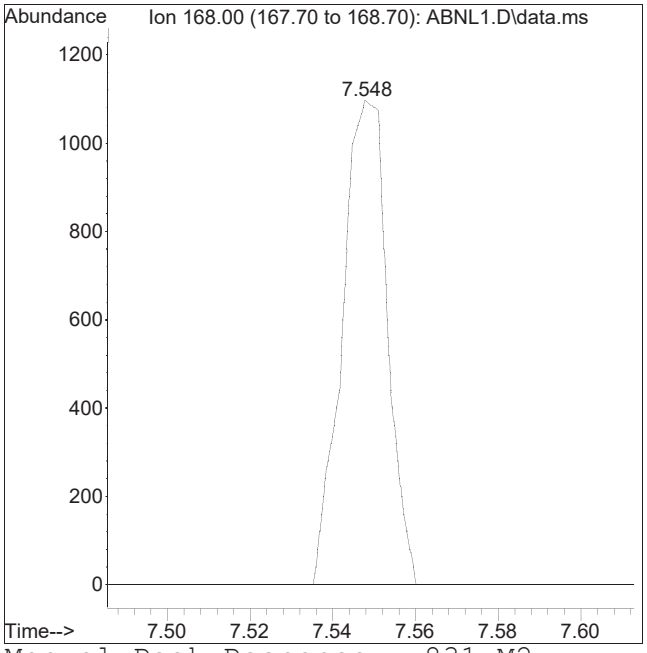
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : ABNL1.D Operator : sv109:dw
Date Inj'd : 9/11/2020 8:14 pm Instrument : SV109
Sample : IL10,32,,ABNL1 Lot# 8901 Quant Date : 9/13/2020 12:00 pm

Compound #50: 1,3-Dinitrobenzene



Original Peak Response = 0



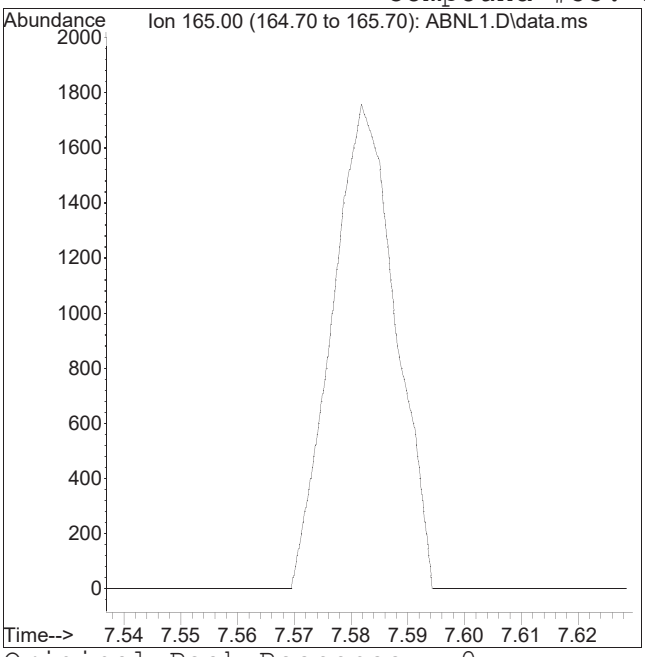
Manual Peak Response = 831 M2

M2 = Peak not found by automatic integration algorithm.

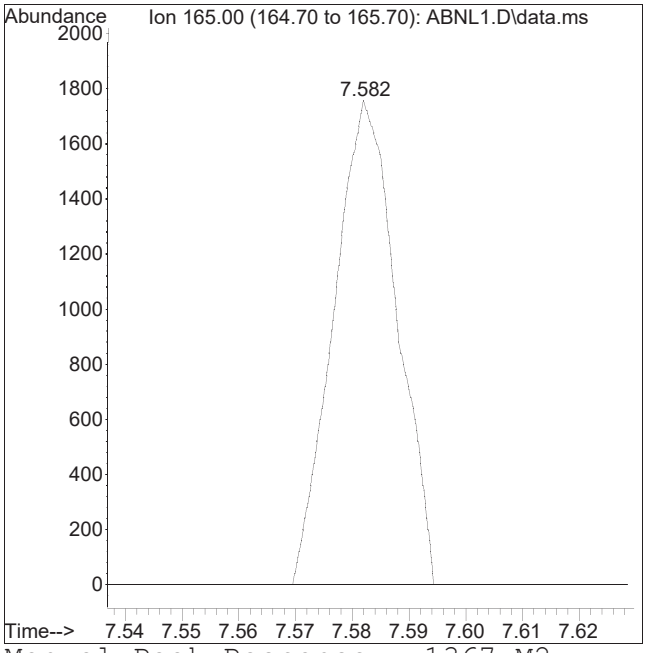
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : ABNL1.D Operator : sv109:dw
Date Inj'd : 9/11/2020 8:14 pm Instrument : SV109
Sample : IL10,32,,ABNL1 Lot# 8901 Quant Date : 9/13/2020 12:00 pm

Compound #53: 2,6-Dinitrotoluene



Original Peak Response = 0



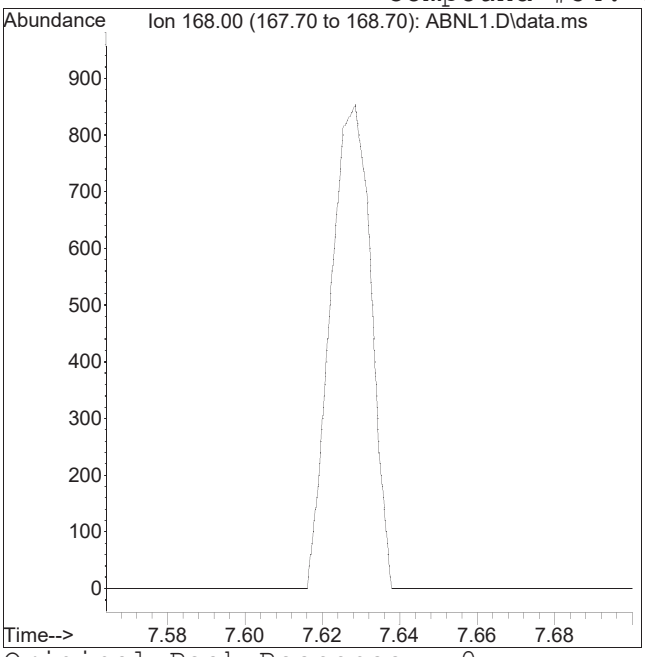
Manual Peak Response = 1367 M2

M2 = Peak not found by automatic integration algorithm.

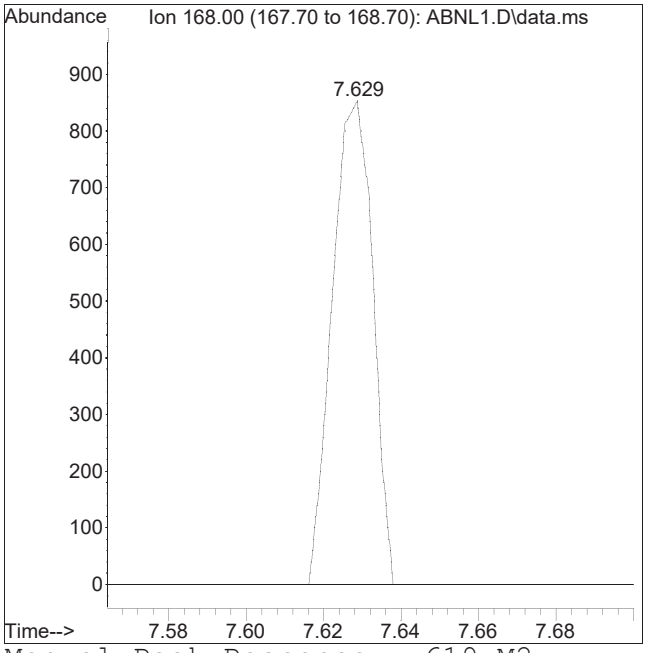
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : ABNL1.D Operator : sv109:dw
Date Inj'd : 9/11/2020 8:14 pm Instrument : SV109
Sample : IL10,32,,ABNL1 Lot# 8901 Quant Date : 9/13/2020 12:00 pm

Compound #54: 1,2-Dinitrobenzene



Original Peak Response = 0



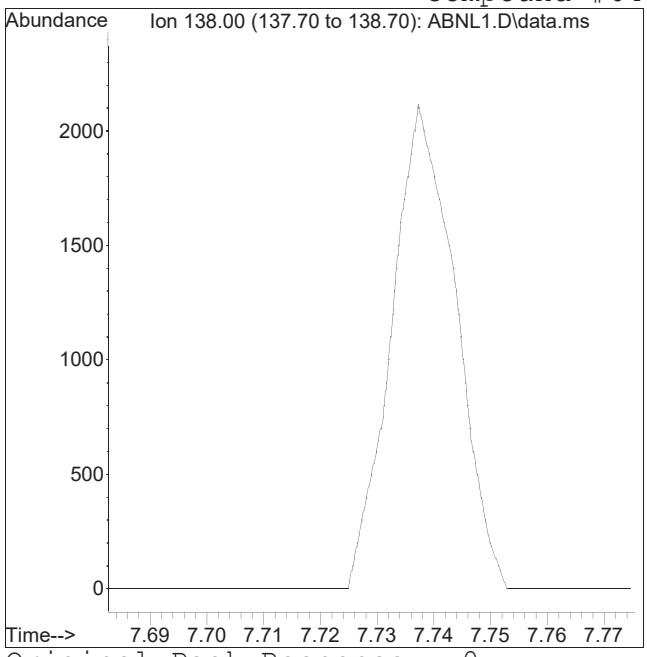
Manual Peak Response = 619 M2

M2 = Peak not found by automatic integration algorithm.

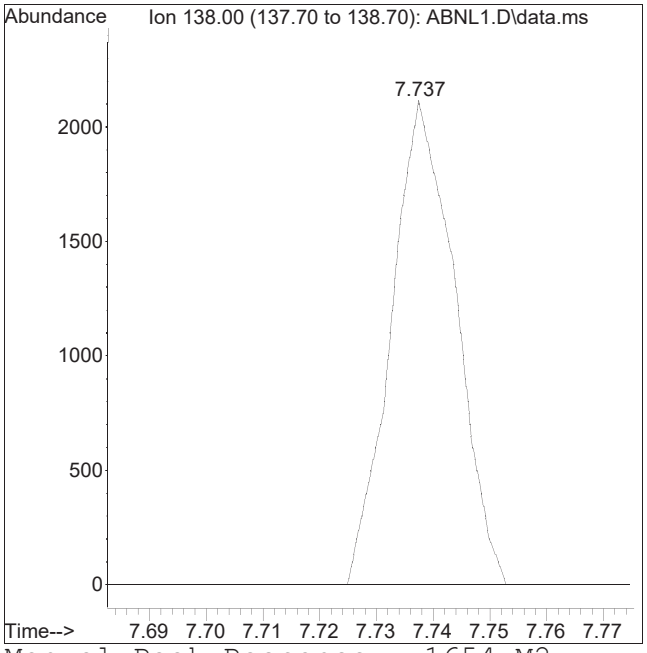
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : ABNL1.D Operator : sv109:dw
Date Inj'd : 9/11/2020 8:14 pm Instrument : SV109
Sample : IL10,32,,ABNL1 Lot# 8901 Quant Date : 9/13/2020 12:00 pm

Compound #64: 3-Nitroaniline



Original Peak Response = 0



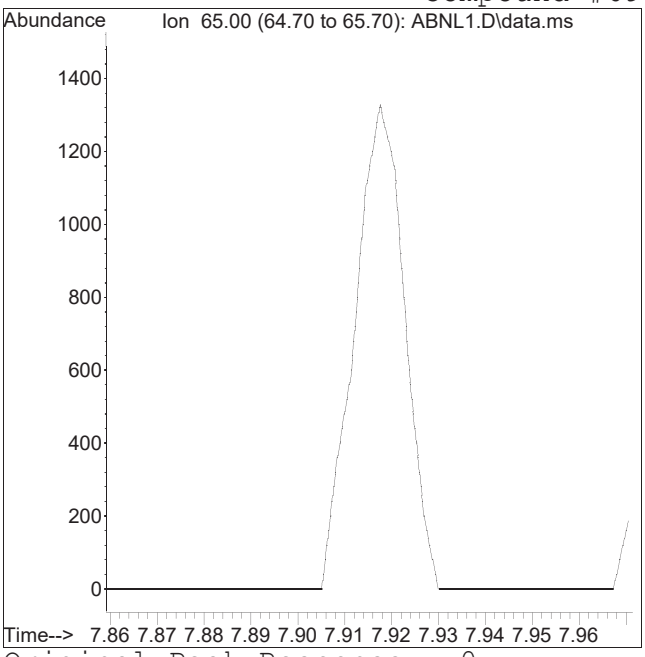
Manual Peak Response = 1654 M2

M2 = Peak not found by automatic integration algorithm.

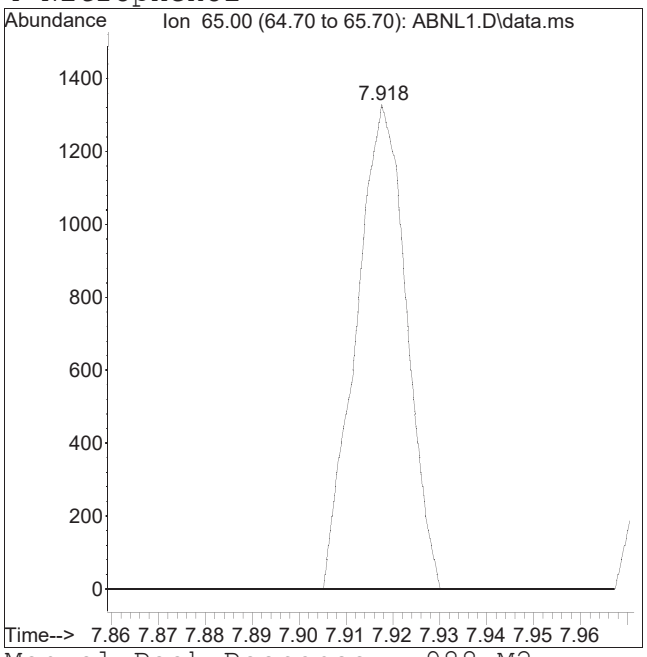
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : ABNL1.D Operator : sv109:dw
Date Inj'd : 9/11/2020 8:14 pm Instrument : SV109
Sample : IL10,32,,ABNL1 Lot# 8901 Quant Date : 9/13/2020 12:00 pm

Compound #69: 4-Nitrophenol



Original Peak Response = 0



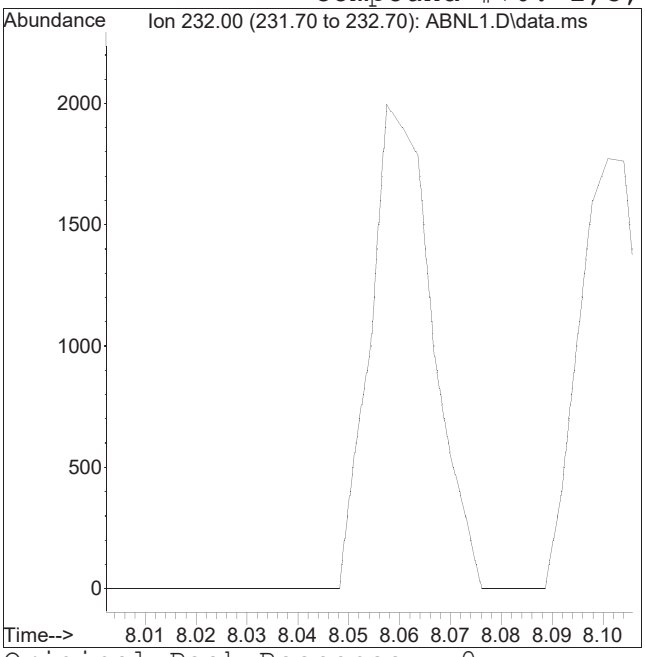
Manual Peak Response = 988 M2

M2 = Peak not found by automatic integration algorithm.

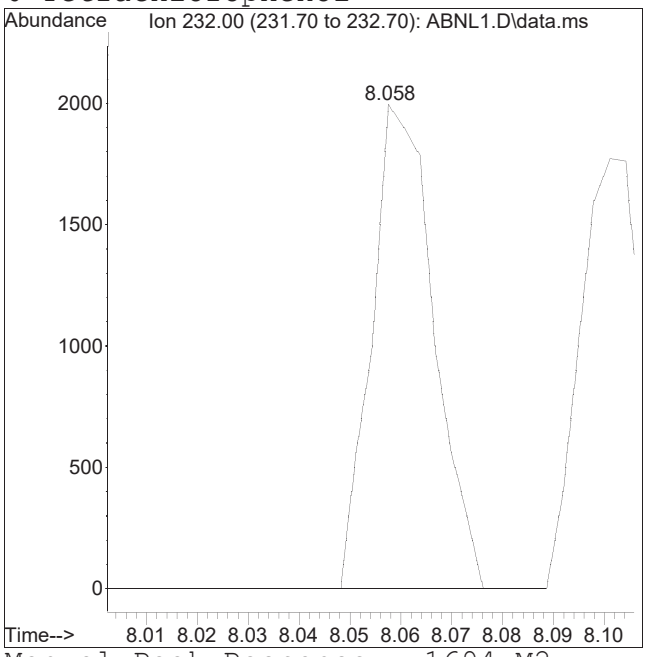
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : ABNL1.D Operator : sv109:dw
Date Inj'd : 9/11/2020 8:14 pm Instrument : SV109
Sample : IL10,32,,ABNL1 Lot# 8901 Quant Date : 9/13/2020 12:00 pm

Compound #70: 2,3,5,6-Tetrachlorophenol



Original Peak Response = 0



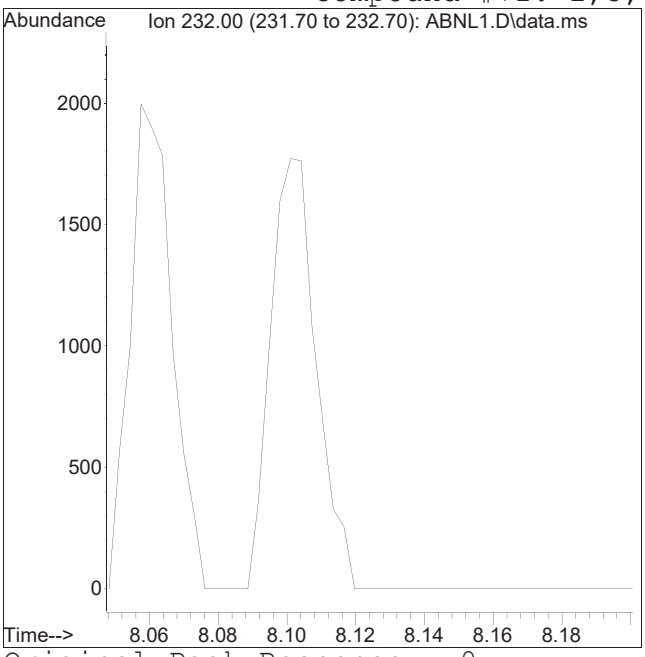
Manual Peak Response = 1694 M2

M2 = Peak not found by automatic integration algorithm.

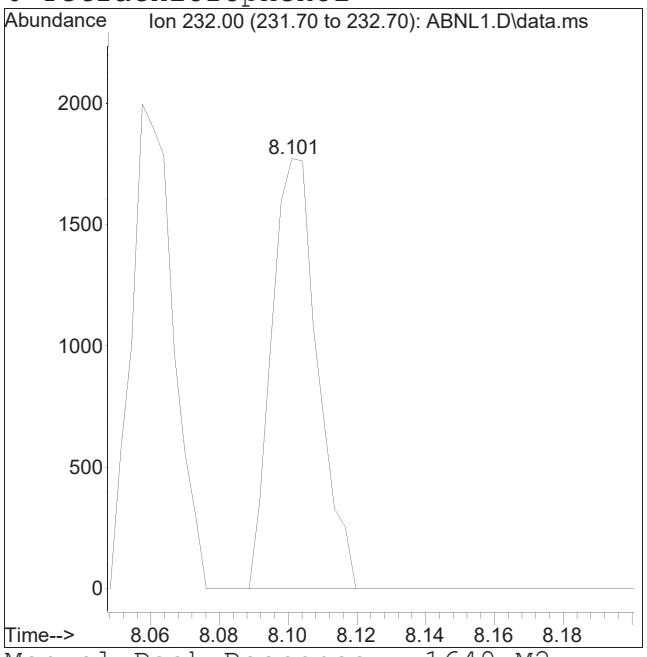
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : ABNL1.D Operator : sv109:dw
Date Inj'd : 9/11/2020 8:14 pm Instrument : SV109
Sample : IL10,32,,ABNL1 Lot# 8901 Quant Date : 9/13/2020 12:00 pm

Compound #71: 2,3,4,6-Tetrachlorophenol



Original Peak Response = 0



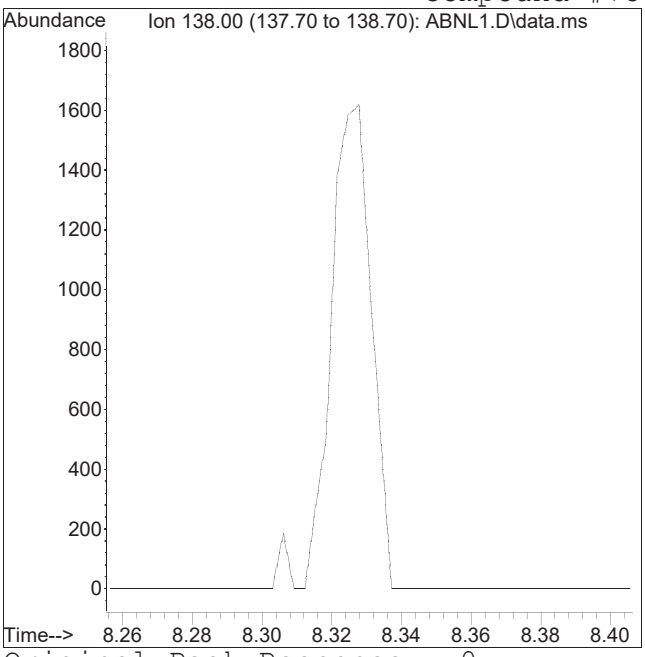
Manual Peak Response = 1649 M2

M2 = Peak not found by automatic integration algorithm.

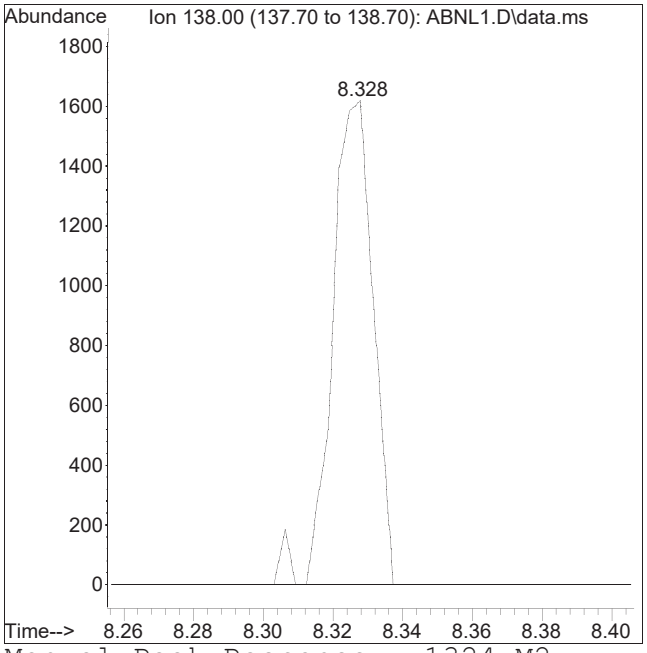
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : ABNL1.D Operator : sv109:dw
Date Inj'd : 9/11/2020 8:14 pm Instrument : SV109
Sample : IL10,32,,ABNL1 Lot# 8901 Quant Date : 9/13/2020 12:00 pm

Compound #75: 4-Nitroaniline



Original Peak Response = 0



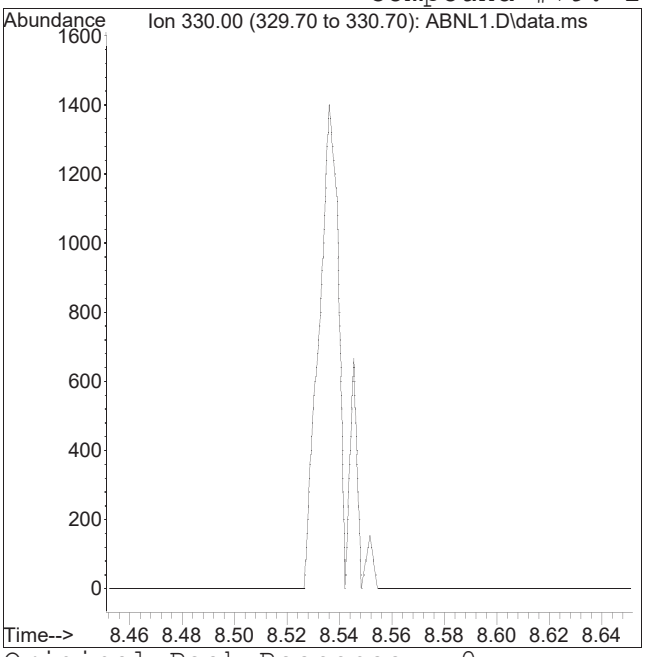
Manual Peak Response = 1324 M2

M2 = Peak not found by automatic integration algorithm.

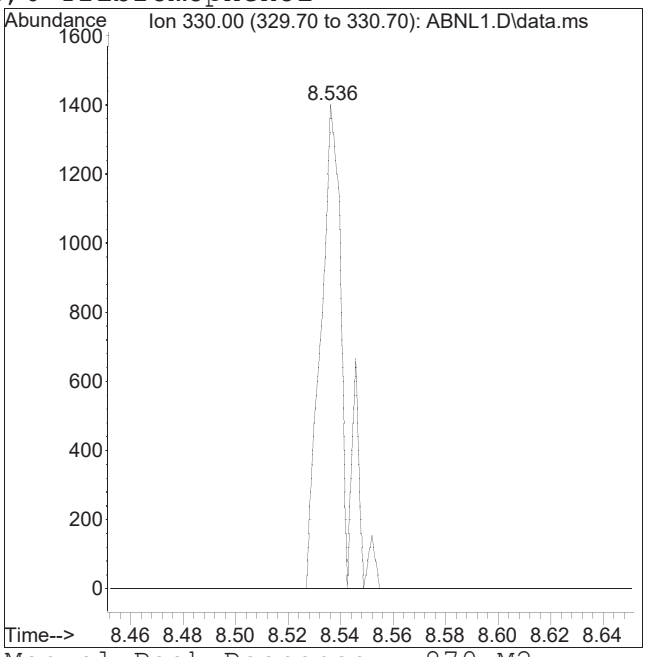
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : ABNL1.D Operator : sv109:dw
Date Inj'd : 9/11/2020 8:14 pm Instrument : SV109
Sample : IL10,32,,ABNL1 Lot# 8901 Quant Date : 9/13/2020 12:00 pm

Compound #79: 2,4,6-Tribromophenol



Original Peak Response = 0



Manual Peak Response = 870 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : AP9L10.D
Acq On : 11 Sep 2020 8:38 pm
Operator : sv109:dw
Sample : IL11,32,,AP9L200 Lot# 8897
Misc : WG1409654,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 14 08:10:50 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\AP9L7.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.828	152	117257	40.000	ug/ml	0.00
Standard Area 1 = 113730			Recovery	= 103.10%		
55) IS2_Naphthalene-d8	6.068	136	487356	40.000	ug/ml	0.00
Standard Area 1 = 468362			Recovery	= 104.06%		
83) IS2_Acenaphthene-d10	7.774	164	266414	40.000	ug/ml	0.00
Standard Area 1 = 250985			Recovery	= 106.15%		
98) IS2_Phenanthrene-d10	9.210	188	517397	40.000	ug/ml	0.00
Standard Area 1 = 483687			Recovery	= 106.97%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.396	105	596406	200.679	ug/ml	99
29) Acetophenone	5.229	105	1014412	198.043	ug/ml	93
30) m-Toluidine	5.313	106	1059455	200.064	ug/ml	99
31) 2-Chloroaniline	5.670	127	957505	199.683	ug/ml	99
56) a-Terpineol	6.127	59	608933	197.409	ug/ml	87
57) 3-Chloroaniline	6.140	65	296748	193.644	ug/ml	93
58) 2,6-Dichlorophenol	6.168	162	621572	199.866	ug/ml	96
59) 1-chloro-2-nitrobenzene	6.422	111	305110	201.616	ug/ml	96
60) Caprolactam	6.478	55	327671	209.434	ug/ml#	86
61) 1,2,4,5-Tetrachloroben...	6.935	216	689714	199.435	ug/ml	98
62) Biphenyl	7.227	154	1807192	195.762	ug/ml	100
84) Dichloran	8.909	206	215826	234.653	ug/ml	88
85) Pentachloronitrobenzene	9.055	237	206369	214.627	ug/ml	98
99) Diphenamid	10.115	167	1184345	217.377	ug/ml	93

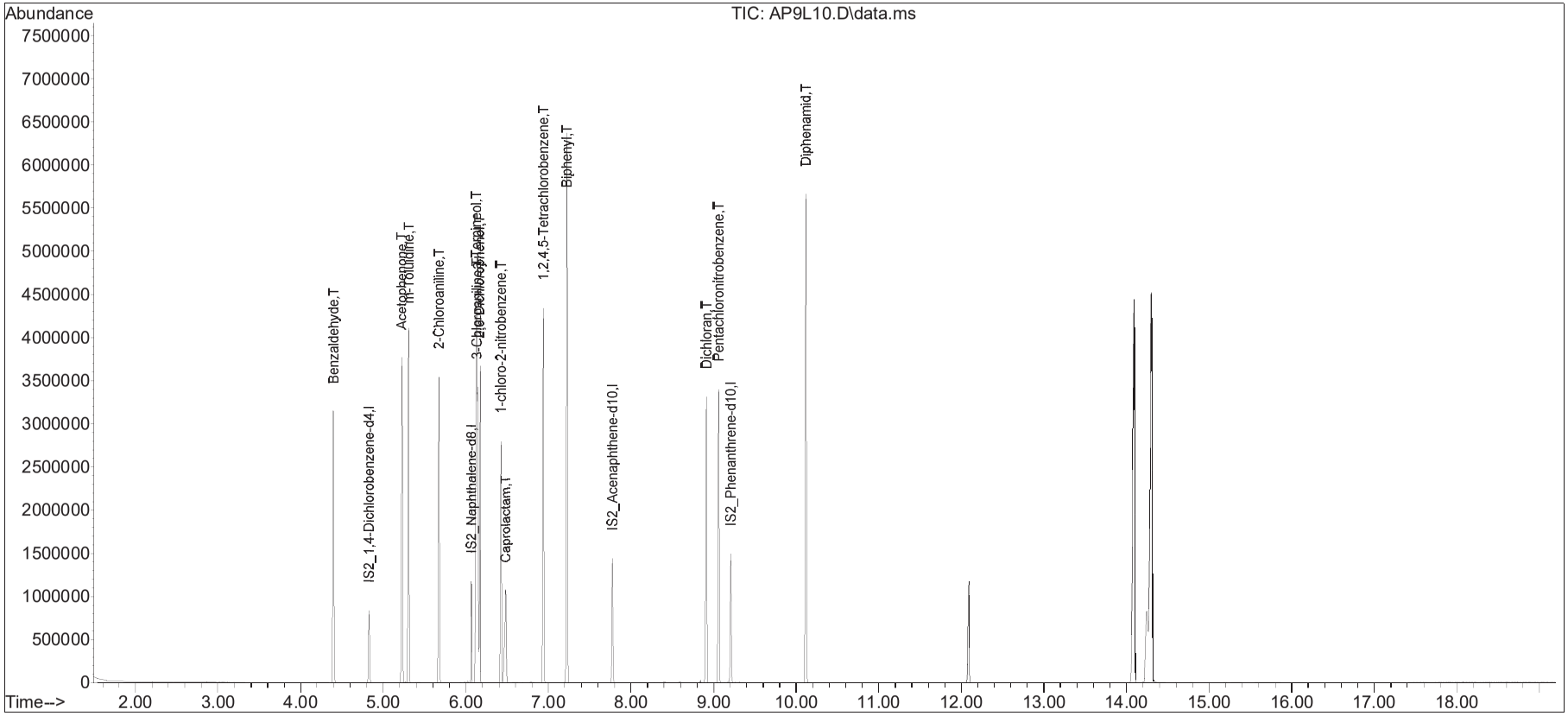
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : AP9L10.D
Acq On : 11 Sep 2020 8:38 pm
Operator : sv109:dw
Sample : IL11,32,,AP9L200 Lot# 8897
Misc : WG1409654,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 14 08:10:50 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L7.D•



Manual Integration Report

Data Path	: I:\8270\SV109\200911ical\	QMethod	: FS200911SV109.m
Data File	: AP9L10.D	Operator	: sv109:dw
Date Inj'd	: 9/11/2020 8:38 pm	Instrument	: SV109
Sample	: IL11,32,,AP9L200 Lot# 8897	Quant Date	: 9/13/2020 12:04 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : AP9L9.D
Acq On : 11 Sep 2020 9:02 pm
Operator : sv109:dw
Sample : IL12,32,,AP9L150 Lot# 8918
Misc : WG1409654,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 14 08:17:05 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\AP9L7.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.828	152	118284	40.000	ug/ml	0.00
Standard Area 1 = 113730			Recovery	= 104.00%		
55) IS2_Naphthalene-d8	6.068	136	493067	40.000	ug/ml	0.00
Standard Area 1 = 468362			Recovery	= 105.27%		
83) IS2_Acenaphthene-d10	7.775	164	269452	40.000	ug/ml	0.00
Standard Area 1 = 250985			Recovery	= 107.36%		
98) IS2_Phenanthrene-d10	9.210	188	528077	40.000	ug/ml	0.00
Standard Area 1 = 483687			Recovery	= 109.18%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.393	105	453767	151.358	ug/ml	98
29) Acetophenone	5.229	105	772014	149.411	ug/ml	93
30) m-Toluidine	5.310	106	808449	151.339	ug/ml	99
31) 2-Chloroaniline	5.670	127	725517	149.990	ug/ml	99
56) a-Terpineol	6.124	59	472269	151.331	ug/ml	88
57) 3-Chloroaniline	6.137	65	227646	146.830	ug/ml	94
58) 2,6-Dichlorophenol	6.165	162	471003	149.696	ug/ml	97
59) 1-chloro-2-nitrobenzene	6.419	111	233109	152.254	ug/ml	97
60) Caprolactam	6.472	55	250983	158.560	ug/ml#	85
61) 1,2,4,5-Tetrachloroben...	6.935	216	530870	151.726	ug/ml	98
62) Biphenyl	7.228	154	1399210	149.812	ug/ml	100
84) Dichloran	8.906	206	163788	176.068	ug/ml	89
85) Pentachloronitrobenzene	9.055	237	157503	161.958	ug/ml	98
99) Diphenamid	10.115	167	911200	163.861	ug/ml	93

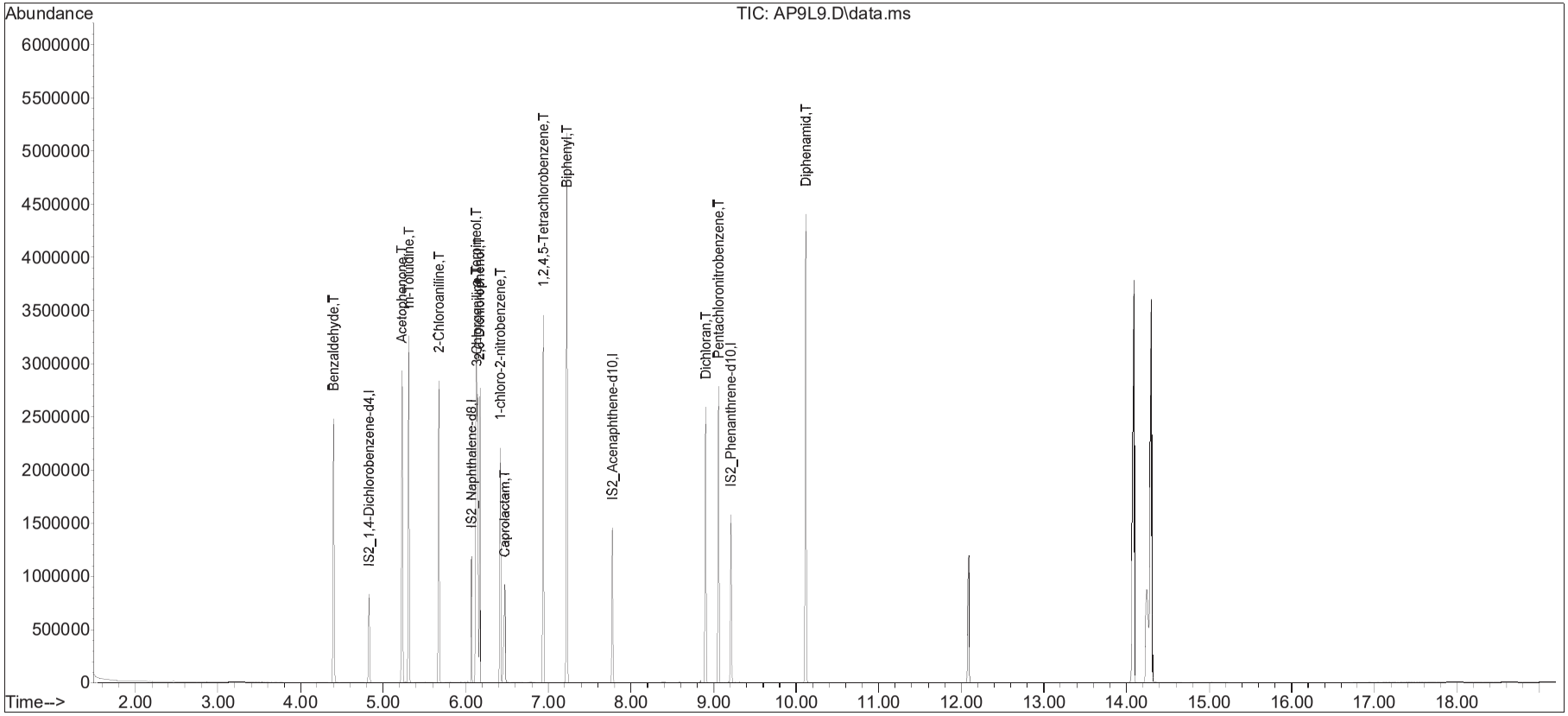
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : AP9L9.D
Acq On : 11 Sep 2020 9:02 pm
Operator : sv109:dw
Sample : IL12,32,,AP9L150 Lot# 8918
Misc : WG1409654,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 14 08:17:05 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L7.D•



Manual Integration Report

Data Path	: I:\8270\SV109\200911ical\	QMethod	: FS200911SV109.m
Data File	: AP9L9.D	Operator	: sv109:dw
Date Inj'd	: 9/11/2020 9:02 pm	Instrument	: SV109
Sample	: IL12,32,,AP9L150 Lot# 8918	Quant Date	: 9/13/2020 12:06 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : AP9L8.D
Acq On : 11 Sep 2020 9:26 pm
Operator : sv109:dw
Sample : IL13,32,,AP9L100 Lot# 8917
Misc : WG1409654,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 14 08:16:35 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\AP9L7.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.828	152	114161	40.000	ug/ml	0.00
Standard Area 1 = 113730			Recovery	= 100.38%		
55) IS2_Naphthalene-d8	6.068	136	470760	40.000	ug/ml	0.00
Standard Area 1 = 468362			Recovery	= 100.51%		
83) IS2_Acenaphthene-d10	7.775	164	255161	40.000	ug/ml	0.00
Standard Area 1 = 250985			Recovery	= 101.66%		
98) IS2_Phenanthrene-d10	9.211	188	494190	40.000	ug/ml	0.00
Standard Area 1 = 483687			Recovery	= 102.17%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.393	105	291063	100.593	ug/ml	99
29) Acetophenone	5.226	105	493255	98.909	ug/ml	93
30) m-Toluidine	5.310	106	518456	100.559	ug/ml	99
31) 2-Chloroaniline	5.670	127	467894	100.224	ug/ml	99
56) a-Terpineol	6.121	59	300585	100.882	ug/ml	89
57) 3-Chloroaniline	6.137	65	148748	100.488	ug/ml	98
58) 2,6-Dichlorophenol	6.165	162	300623	100.073	ug/ml	97
59) 1-chloro-2-nitrobenzene	6.419	111	146811	100.433	ug/ml	97
60) Caprolactam	6.466	55	156889	103.812	ug/ml#	86
61) 1,2,4,5-Tetrachloroben...	6.935	216	332835	99.634	ug/ml	98
62) Biphenyl	7.228	154	880811	98.777	ug/ml	100
84) Dichloran	8.906	206	96813	109.900	ug/ml	89
85) Pentachloronitrobenzene	9.055	237	95472	103.671	ug/ml	98
99) Diphenamid	10.112	167	547167	105.144	ug/ml	93

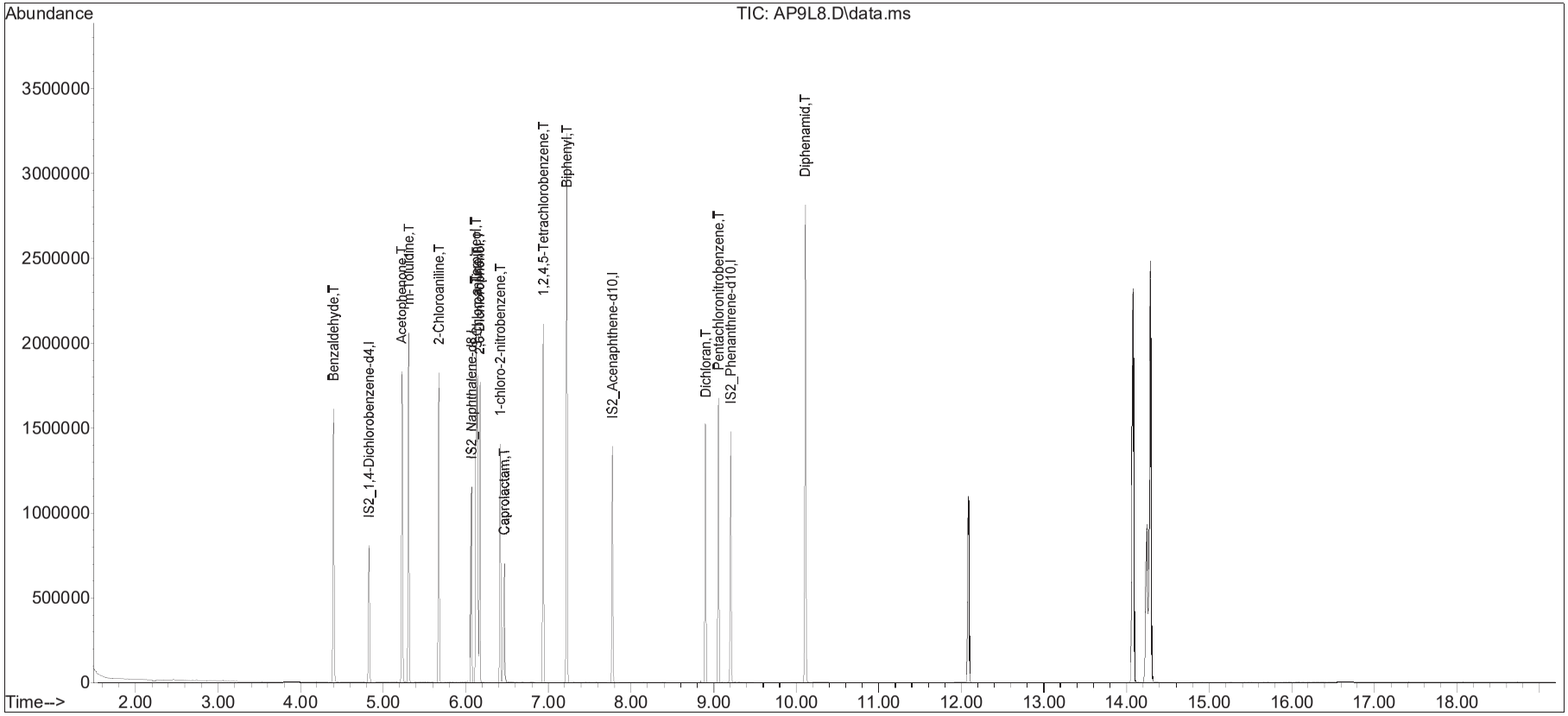
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : AP9L8.D
Acq On : 11 Sep 2020 9:26 pm
Operator : sv109:dw
Sample : IL13,32,,AP9L100 Lot# 8917
Misc : WG1409654,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 14 08:16:35 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L7.D•



Manual Integration Report

Data Path	: I:\8270\SV109\200911ical\	QMethod	: FS200911SV109.m
Data File	: AP9L8.D	Operator	: sv109:dw
Date Inj'd	: 9/11/2020 9:26 pm	Instrument	: SV109
Sample	: IL13,32,,AP9L100 Lot# 8917	Quant Date	: 9/13/2020 12:06 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : AP9L7.D
Acq On : 11 Sep 2020 9:51 pm
Operator : sv109:dw
Sample : IL14,32,,AP9L50 Lot# 8916
Misc : WG1409654,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 14 08:15:58 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\AP9L7.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.828	152	113730	40.000	ug/ml	0.00
Standard Area 1 = 113730			Recovery	= 100.00%		
55) IS2_Naphthalene-d8	6.065	136	468362	40.000	ug/ml	0.00
Standard Area 1 = 468362			Recovery	= 100.00%		
83) IS2_Acenaphthene-d10	7.775	164	250985	40.000	ug/ml	0.00
Standard Area 1 = 250985			Recovery	= 100.00%		
98) IS2_Phenanthrene-d10	9.211	188	483687	40.000	ug/ml	0.00
Standard Area 1 = 483687			Recovery	= 100.00%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.393	105	144127	50.000	ug/ml	100
29) Acetophenone	5.226	105	248406	50.000	ug/ml	94
30) m-Toluidine	5.307	106	256815	50.000	ug/ml	100
31) 2-Chloroaniline	5.670	127	232544	50.000	ug/ml	99
56) a-Terpineol	6.118	59	147770	49.848	ug/ml	88
57) 3-Chloroaniline	6.134	65	73636	50.000	ug/ml	95
58) 2,6-Dichlorophenol	6.161	162	149437	50.000	ug/ml	97
59) 1-chloro-2-nitrobenzene	6.416	111	72717	50.000	ug/ml	97
60) Caprolactam	6.457	55	75179	50.000	ug/ml	87
61) 1,2,4,5-Tetrachloroben...	6.932	216	166178	50.000	ug/ml	98
62) Biphenyl	7.224	154	443589	50.000	ug/ml	100
84) Dichloran	8.903	206	43325	50.000	ug/ml	90
85) Pentachloronitrobenzene	9.052	237	45292	50.000	ug/ml	98
99) Diphenamid	10.112	167	254669	50.000	ug/ml	94

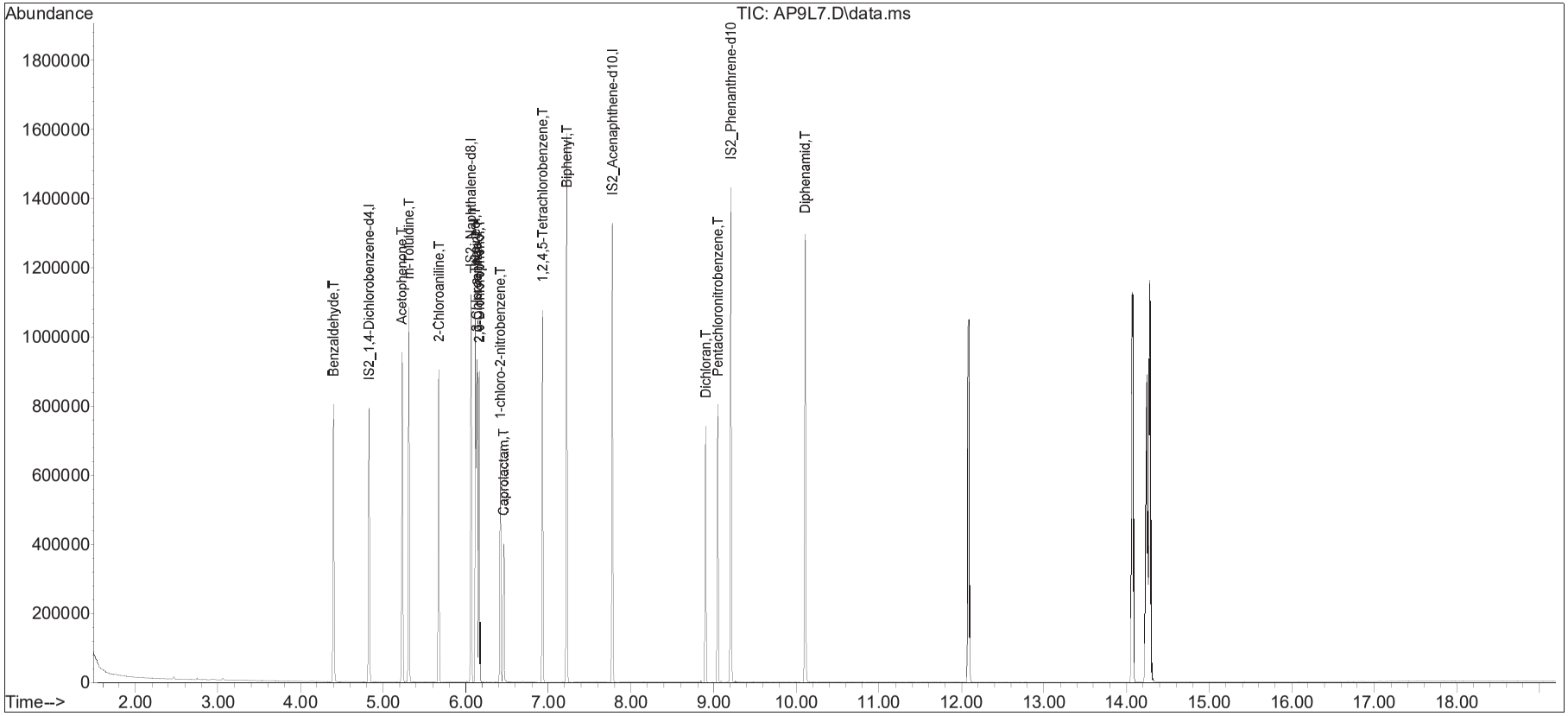
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : AP9L7.D
Acq On : 11 Sep 2020 9:51 pm
Operator : sv109:dw
Sample : IL14,32,,AP9L50 Lot# 8916
Misc : WG1409654,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 14 08:15:58 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L7.D•



Manual Integration Report

Data Path	: I:\8270\SV109\200911ical\	QMethod	: FS200911SV109.m
Data File	: AP9L7.D	Operator	: sv109:dw
Date Inj'd	: 9/11/2020 9:51 pm	Instrument	: SV109
Sample	: IL14,32,,AP9L50 Lot# 8916	Quant Date	: 9/13/2020 12:05 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : AP9L6.D
Acq On : 11 Sep 2020 10:15 pm
Operator : sv109:dw
Sample : IL15,32,,AP9L20 Lot# 8915
Misc : WG1409654,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 14 08:15:28 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\AP9L7.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.828	152	110286	40.000	ug/ml	0.00
Standard Area 1 = 113730			Recovery	= 96.97%		
55) IS2_Naphthalene-d8	6.065	136	456596	40.000	ug/ml	0.00
Standard Area 1 = 468362			Recovery	= 97.49%		
83) IS2_Acenaphthene-d10	7.771	164	249759	40.000	ug/ml	0.00
Standard Area 1 = 250985			Recovery	= 99.51%		
98) IS2_Phenanthrene-d10	9.210	188	490564	40.000	ug/ml	0.00
Standard Area 1 = 483687			Recovery	= 101.42%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.393	105	55002	19.677	ug/ml	97
29) Acetophenone	5.226	105	92920	19.287	ug/ml	94
30) m-Toluidine	5.307	106	97038	19.483	ug/ml	99
31) 2-Chloroaniline	5.670	127	88264	19.571	ug/ml	99
56) a-Terpineol	6.118	59	54662	18.915	ug/ml	86
57) 3-Chloroaniline	6.133	65	28538	19.877	ug/ml	98
58) 2,6-Dichlorophenol	6.161	162	55490	19.045	ug/ml	98
59) 1-chloro-2-nitrobenzene	6.416	111	26693	18.827	ug/ml	98
60) Caprolactam	6.450	55	25945	17.700	ug/ml#	87
61) 1,2,4,5-Tetrachloroben...	6.932	216	64678	19.962	ug/ml	98
62) Biphenyl	7.224	154	174485	20.174	ug/ml	99
84) Dichloran	8.903	206	14135	16.393	ug/ml	93
85) Pentachloronitrobenzene	9.052	237	16739	18.570	ug/ml	97
99) Diphenamid	10.112	167	91349	17.683	ug/ml	94

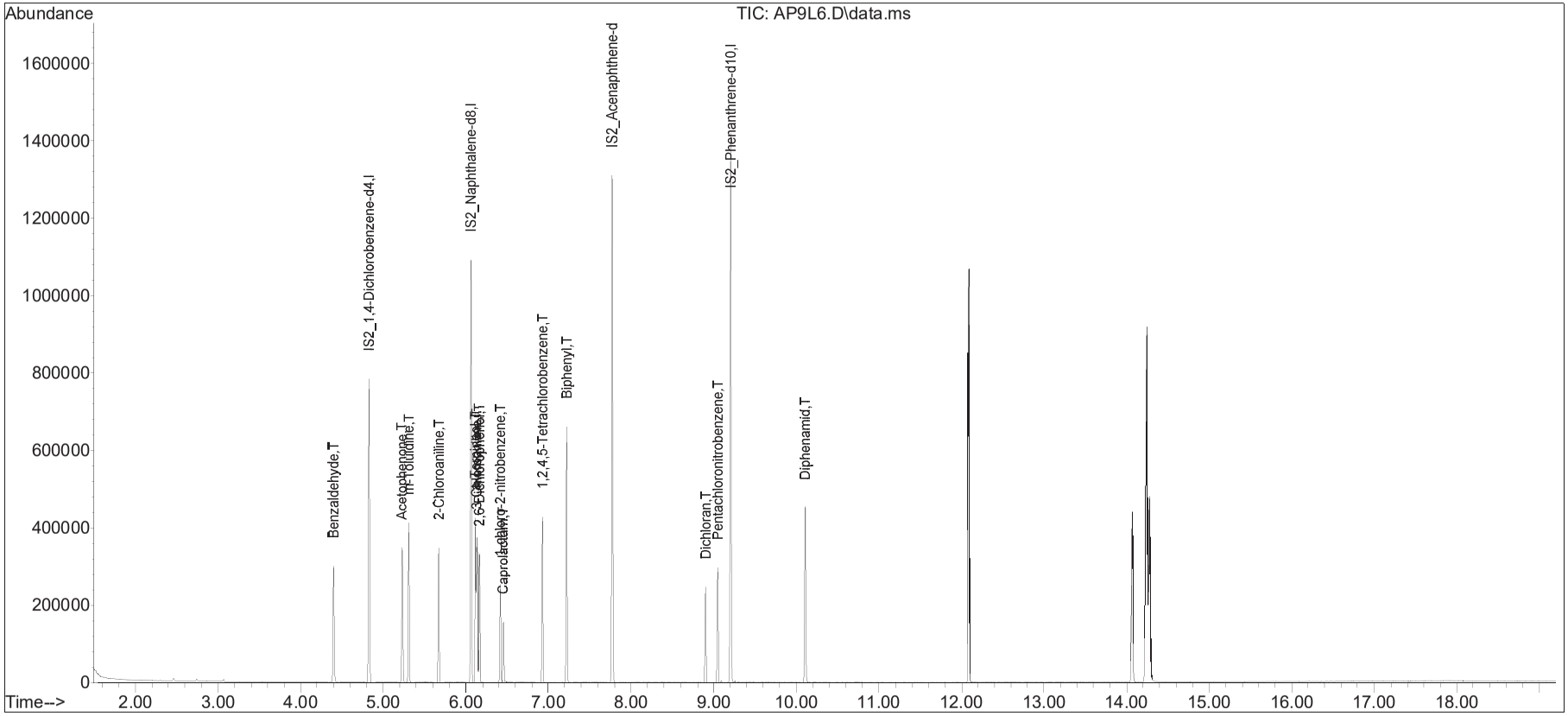
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : AP9L6.D
Acq On : 11 Sep 2020 10:15 pm
Operator : sv109:dw
Sample : IL15,32,,AP9L20 Lot# 8915
Misc : WG1409654,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 14 08:15:28 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L7.D•



Manual Integration Report

Data Path	: I:\8270\SV109\200911ical\	QMethod	: FS200911SV109.m
Data File	: AP9L6.D	Operator	: sv109:dw
Date Inj'd	: 9/11/2020 10:15 pm	Instrument	: SV109
Sample	: IL15,32,,AP9L20 Lot# 8915	Quant Date	: 9/13/2020 12:05 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : AP9L5.D
Acq On : 11 Sep 2020 10:39 pm
Operator : sv109:dw
Sample : IL16,32,,AP9L10 Lot# 8914
Misc : WG1409654,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 14 08:15:03 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\AP9L7.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.828	152	108125	40.000	ug/ml	0.00
Standard Area 1 = 113730			Recovery =	95.07%		
55) IS2_Naphthalene-d8	6.065	136	447552	40.000	ug/ml	0.00
Standard Area 1 = 468362			Recovery =	95.56%		
83) IS2_Acenaphthene-d10	7.775	164	245227	40.000	ug/ml	0.00
Standard Area 1 = 250985			Recovery =	97.71%		
98) IS2_Phenanthrene-d10	9.210	188	481540	40.000	ug/ml	0.00
Standard Area 1 = 483687			Recovery =	99.56%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.393	105	26637	9.720	ug/ml	100
29) Acetophenone	5.226	105	45368	9.605	ug/ml	95
30) m-Toluidine	5.307	106	46314	9.484	ug/ml	99
31) 2-Chloroaniline	5.670	127	42913	9.705	ug/ml	100
56) a-Terpineol	6.118	59	26079	9.206	ug/ml	87
57) 3-Chloroaniline	6.133	65	14168	10.068	ug/ml	98
58) 2,6-Dichlorophenol	6.161	162	25428	8.904	ug/ml	98
59) 1-chloro-2-nitrobenzene	6.416	111	12949	9.318	ug/ml	95
60) Caprolactam	6.447	55	11000	7.656	ug/ml#	86
61) 1,2,4,5-Tetrachloroben...	6.932	216	32260	10.158	ug/ml	98
62) Biphenyl	7.224	154	87166	10.282	ug/ml	99
84) Dichloran	8.903	206	6212	7.337	ug/ml	90
85) Pentachloronitrobenzene	9.052	237	7531	8.509	ug/ml	97
99) Diphenamid	10.109	167	41505	8.185	ug/ml	92

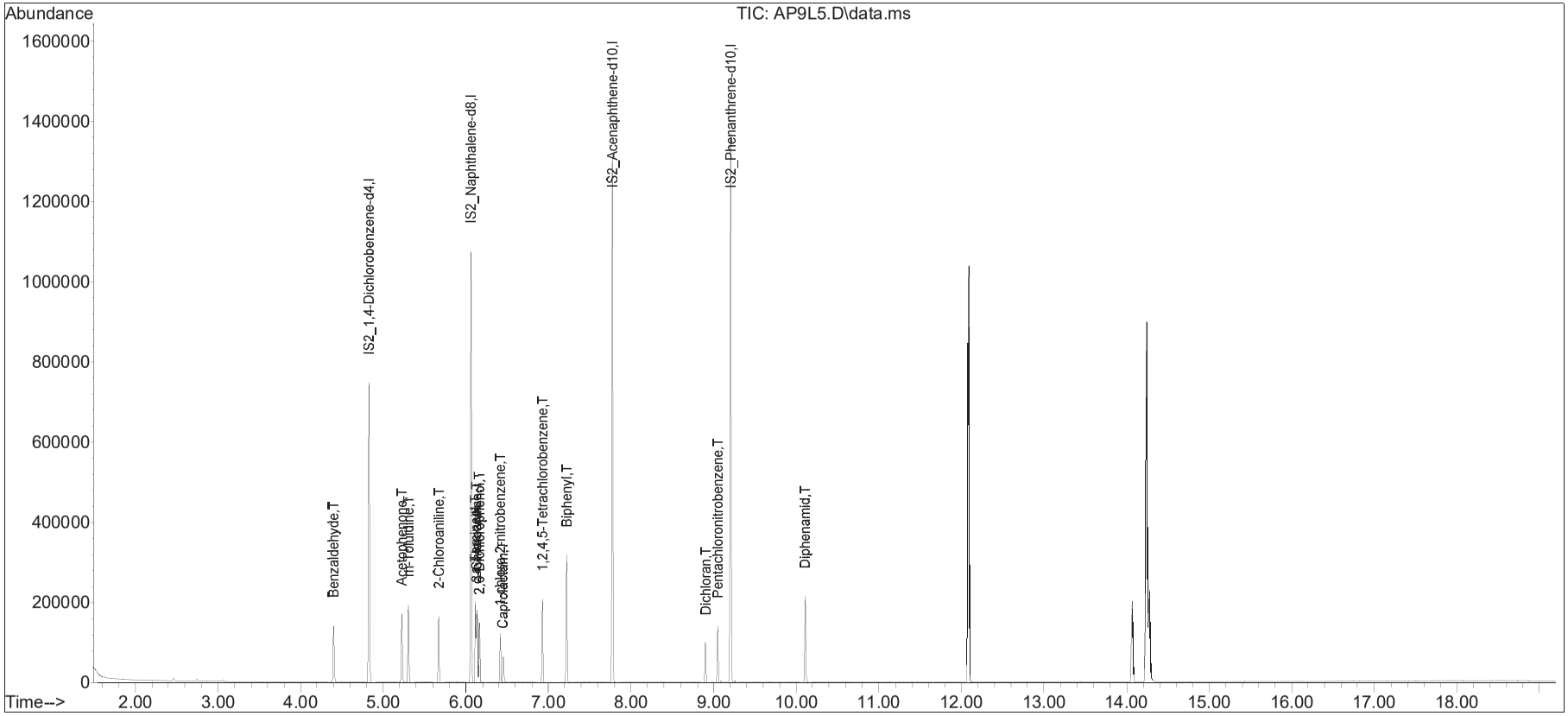
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : AP9L5.D
Acq On : 11 Sep 2020 10:39 pm
Operator : sv109:dw
Sample : IL16,32,,AP9L10 Lot# 8914
Misc : WG1409654,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 14 08:15:03 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L7.D•



Manual Integration Report

Data Path	: I:\8270\SV109\200911ical\	QMethod	: FS200911SV109.m
Data File	: AP9L5.D	Operator	: sv109:dw
Date Inj'd	: 9/11/2020 10:39 pm	Instrument	: SV109
Sample	: IL16,32,,AP9L10 Lot# 8914	Quant Date	: 9/13/2020 12:05 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : AP9L4.D
Acq On : 11 Sep 2020 11:03 pm
Operator : sv109:dw
Sample : IL17,32,,AP9L5 Lot# 8913
Misc : WG1409654,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 14 08:14:29 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\AP9L7.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.828	152	118831	40.000	ug/ml	0.00
Standard Area 1 = 113730			Recovery	= 104.49%		
55) IS2_Naphthalene-d8	6.068	136	492382	40.000	ug/ml	0.00
Standard Area 1 = 468362			Recovery	= 105.13%		
83) IS2_Acenaphthene-d10	7.774	164	267738	40.000	ug/ml	0.00
Standard Area 1 = 250985			Recovery	= 106.67%		
98) IS2_Phenanthrene-d10	9.210	188	519166	40.000	ug/ml	0.00
Standard Area 1 = 483687			Recovery	= 107.34%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.396	105	14786	4.909	ug/ml	96
29) Acetophenone	5.229	105	24504	4.721	ug/ml	96
30) m-Toluidine	5.307	106	25281	4.711	ug/ml	99
31) 2-Chloroaniline	5.670	127	23932	4.925	ug/ml	99
56) a-Terpineol	6.118	59	13766	4.417	ug/ml#	83
57) 3-Chloroaniline	6.133	65	7962	5.143	ug/ml	96
58) 2,6-Dichlorophenol	6.161	162	13837	4.404	ug/ml	99
59) 1-chloro-2-nitrobenzene	6.419	111	7066	4.622	ug/ml	97
60) Caprolactam	6.447	55	5230	3.309	ug/ml#	88
61) 1,2,4,5-Tetrachloroben...	6.932	216	17886	5.119	ug/ml	97
62) Biphenyl	7.224	154	47600	5.104	ug/ml	99
84) Dichloran	8.900	206	3135	3.392	ug/ml	92
85) Pentachloronitrobenzene	9.052	237	3847	3.981	ug/ml	97
99) Diphenamid	10.109	167	21002	3.842	ug/ml	93

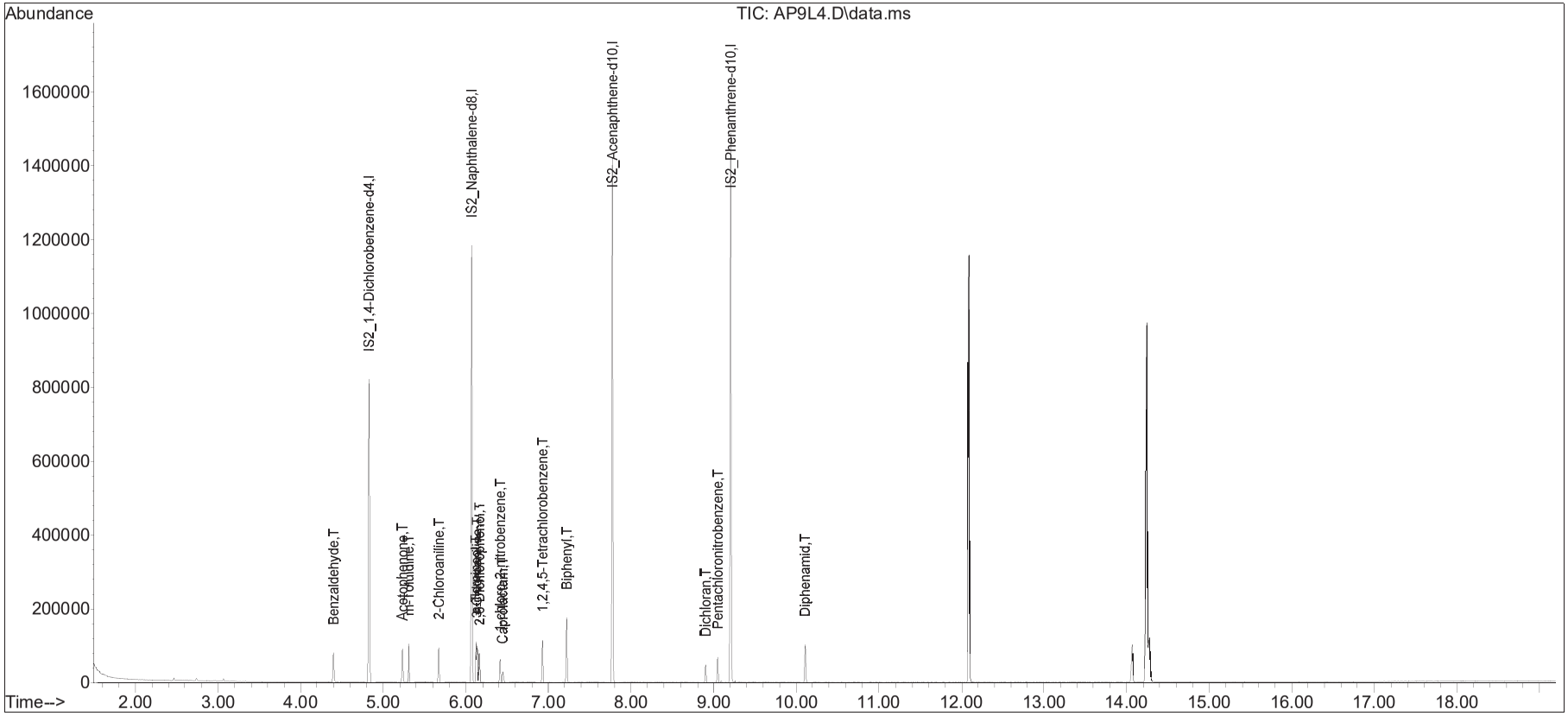
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : AP9L4.D
Acq On : 11 Sep 2020 11:03 pm
Operator : sv109:dw
Sample : IL17,32,,AP9L5 Lot# 8913
Misc : WG1409654,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 14 08:14:29 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L7.D•



Manual Integration Report

Data Path	: I:\8270\SV109\200911ical\	QMethod	: FS200911SV109.m
Data File	: AP9L4.D	Operator	: sv109:dw
Date Inj'd	: 9/11/2020 11:03 pm	Instrument	: SV109
Sample	: IL17,32,,AP9L5 Lot# 8913	Quant Date	: 9/13/2020 12:05 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : AP9L3.D
Acq On : 11 Sep 2020 11:28 pm
Operator : sv109:dw
Sample : IL18,32,,AP9L3 Lot# 8912
Misc : WG1409654,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 14 13:31:08 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 13:30:43 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\AP9L7.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.828	152	115487	40.000	ug/ml	0.00
Standard Area 1 = 113730			Recovery	= 101.54%		
55) IS2_Naphthalene-d8	6.065	136	488528	40.000	ug/ml	0.00
Standard Area 1 = 468362			Recovery	= 104.31%		
83) IS2_Acenaphthene-d10	7.775	164	274723	40.000	ug/ml	0.00
Standard Area 1 = 250985			Recovery	= 109.46%		
98) IS2_Phenanthrene-d10	9.210	188	543964	40.000	ug/ml	0.00
Standard Area 1 = 483687			Recovery	= 112.46%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.396	105	8552	2.941	ug/ml	97
29) Acetophenone	5.229	105	14432	2.933	ug/ml	99
30) m-Toluidine	5.307	106	15253	2.983	ug/ml	98
31) 2-Chloroaniline	5.670	127	13894	2.975	ug/ml	97
56) a-Terpineol	6.118	59	8526	2.890	ug/ml#	86
57) 3-Chloroaniline	6.133	65	4586	2.986	ug/ml	99
58) 2,6-Dichlorophenol	6.161	162	8008	2.757	ug/ml	95
59) 1-chloro-2-nitrobenzene	6.416	111	4401	2.990	ug/ml	88
60) Caprolactam	6.450	55	2969	2.053	ug/ml#	34
61) 1,2,4,5-Tetrachloroben...	6.932	216	11409	3.204	ug/ml	99
62) Biphenyl	7.224	154	30192	3.194	ug/ml	99
84) Dichloran	8.903	206	1649M2	3.873	ug/ml	
85) Pentachloronitrobenzene	9.052	237	2103	2.271	ug/ml#	13
99) Diphenamid	10.109	167	12428	2.390	ug/ml	93

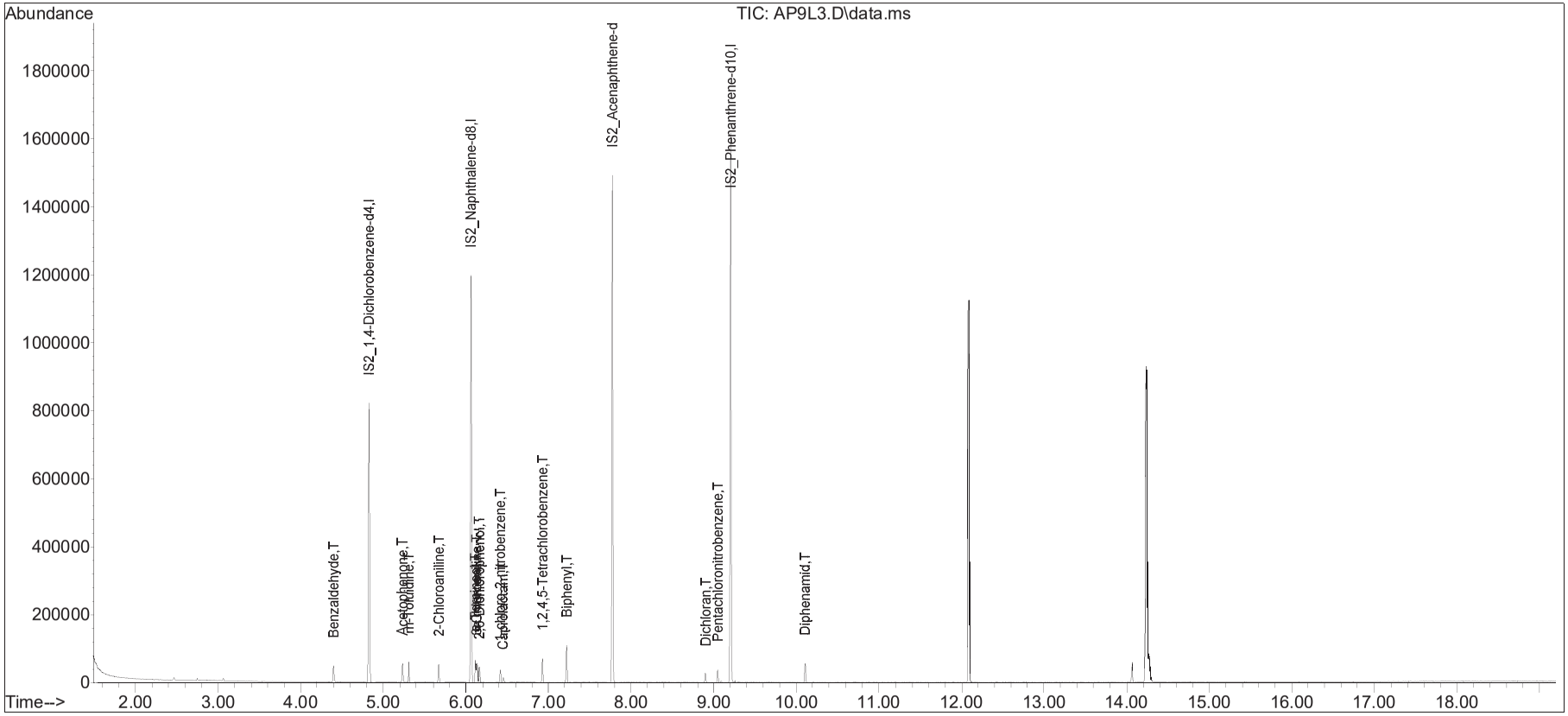
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : AP9L3.D
Acq On : 11 Sep 2020 11:28 pm
Operator : sv109:dw
Sample : IL18,32,,AP9L3 Lot# 8912
Misc : WG1409654,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 14 13:31:08 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 13:30:43 2020
Response via : Initial Calibration

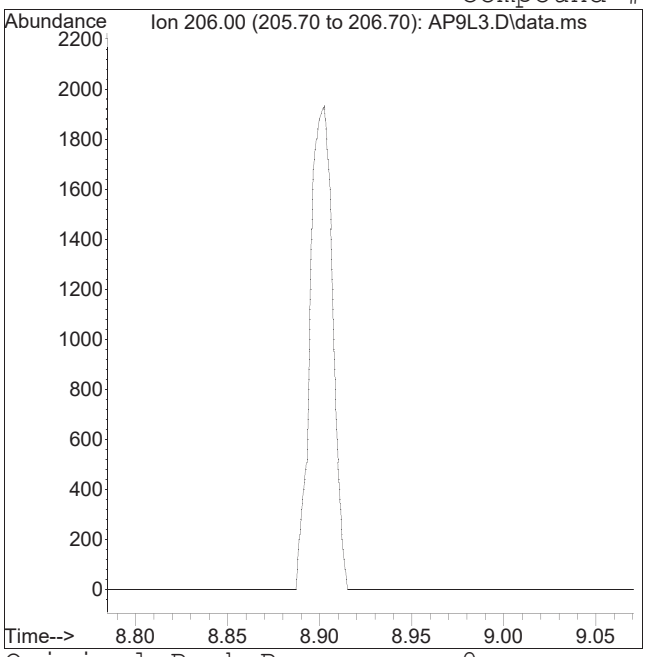
Sub List : AP9ical - AP9 ical sublistal\AP9L7.D•



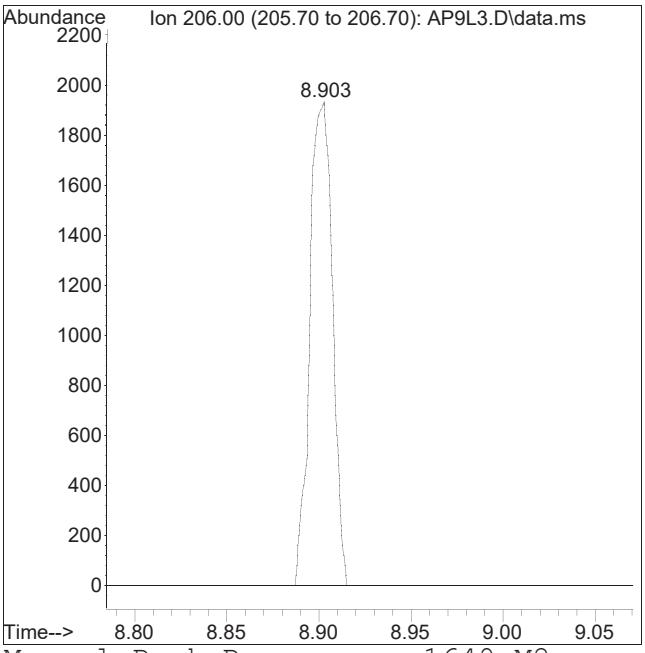
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : AP9L3.D Operator : sv109:dw
Date Inj'd : 9/11/2020 11:28 pm Instrument : SV109
Sample : IL18,32,,AP9L3 Lot# 8912 Quant Date : 9/14/2020 1:30 pm

Compound #84: Dichloran



Original Peak Response = 0



Manual Peak Response = 1649 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : AP9L2.D
Acq On : 11 Sep 2020 11:52 pm
Operator : sv109:dw
Sample : IL19,32,,AP9L2 Lot# 8911
Misc : WG1409654,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 14 13:26:19 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 13:25:50 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\AP9L7.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.828	152	106831	40.000	ug/ml	0.00
Standard Area 1 = 113730			Recovery =	93.93%		
55) IS2_Naphthalene-d8	6.065	136	443310	40.000	ug/ml	0.00
Standard Area 1 = 468362			Recovery =	94.65%		
83) IS2_Acenaphthene-d10	7.774	164	241114	40.000	ug/ml	0.00
Standard Area 1 = 250985			Recovery =	96.07%		
98) IS2_Phenanthrene-d10	9.210	188	471383	40.000	ug/ml	0.00
Standard Area 1 = 483687			Recovery =	97.46%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.399	105	5473	2.035	ug/ml	98
29) Acetophenone	5.229	105	9156	2.011	ug/ml#	81
30) m-Toluidine	5.310	106	9358	1.978	ug/ml#	93
31) 2-Chloroaniline	5.670	127	8613	1.993	ug/ml#	78
56) a-Terpineol	6.118	59	5144	1.921	ug/ml#	83
57) 3-Chloroaniline	6.133	65	2853	2.047	ug/ml	97
58) 2,6-Dichlorophenol	6.158	162	4571	1.734	ug/ml	98
59) 1-chloro-2-nitrobenzene	6.416	111	2594	1.942	ug/ml#	61
60) Caprolactam	6.454	55	1431M2	1.090	ug/ml	
61) 1,2,4,5-Tetrachloroben...	6.932	216	6950	2.151	ug/ml#	88
62) Biphenyl	7.224	154	18183	2.120	ug/ml	99
84) Dichloran	8.903	206	1005M2	2.800	ug/ml	
85) Pentachloronitrobenzene	9.052	237	1219M2	1.500	ug/ml	
99) Diphenamid	10.109	167	7388	1.640	ug/ml	92

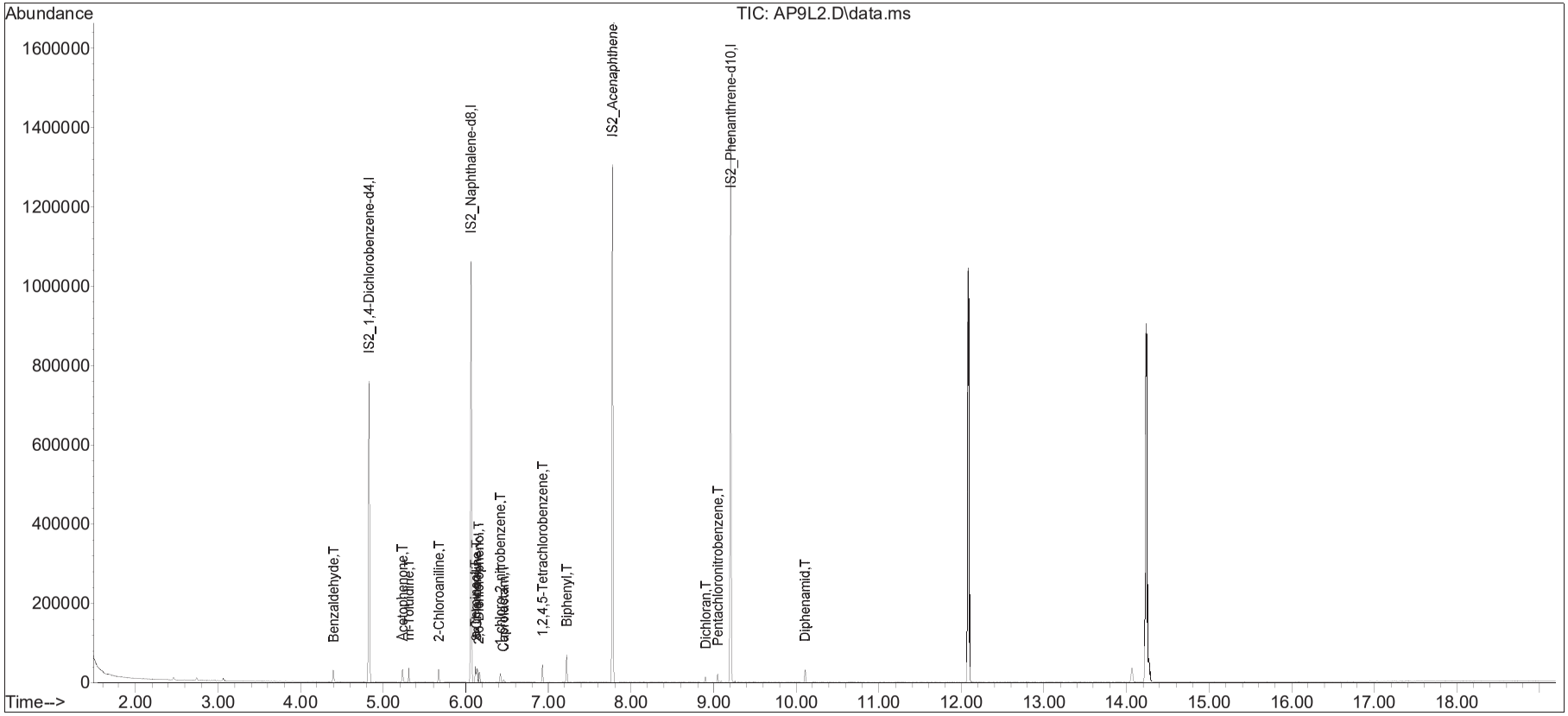
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : AP9L2.D
Acq On : 11 Sep 2020 11:52 pm
Operator : sv109:dw
Sample : IL19,32,,AP9L2 Lot# 8911
Misc : WG1409654,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 14 13:26:19 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 13:25:50 2020
Response via : Initial Calibration

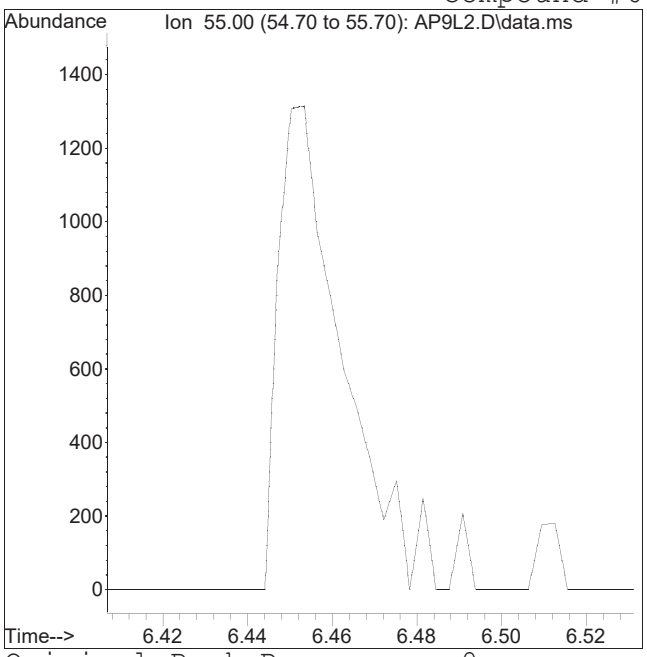
Sub List : AP9ical - AP9 ical sublistal\AP9L7.D•



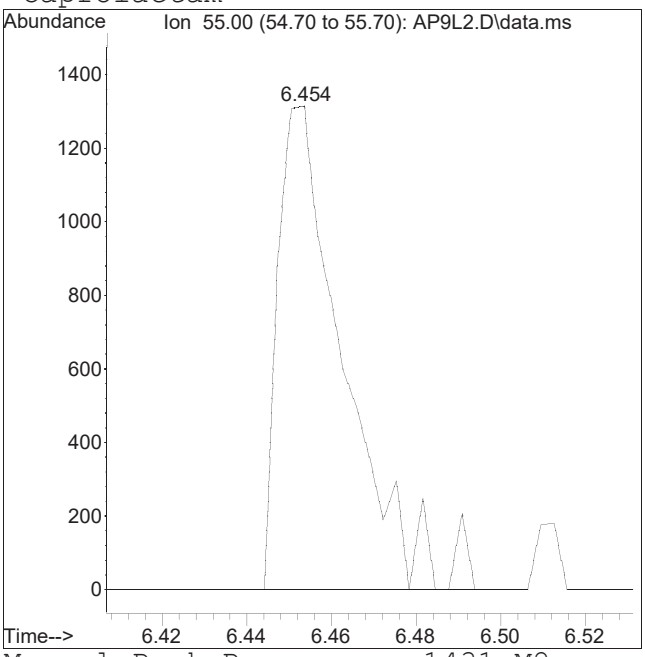
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : AP9L2.D Operator : sv109:dw
Date Inj'd : 9/11/2020 11:52 pm Instrument : SV109
Sample : IL19,32,,AP9L2 Lot# 8911 Quant Date : 9/14/2020 1:26 pm

Compound #60: Caprolactam



Original Peak Response = 0



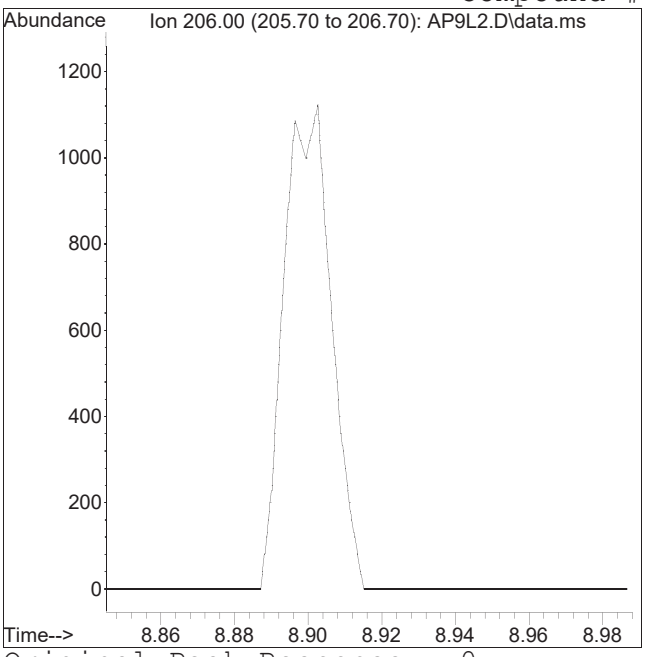
Manual Peak Response = 1431 M2

M2 = Peak not found by automatic integration algorithm.

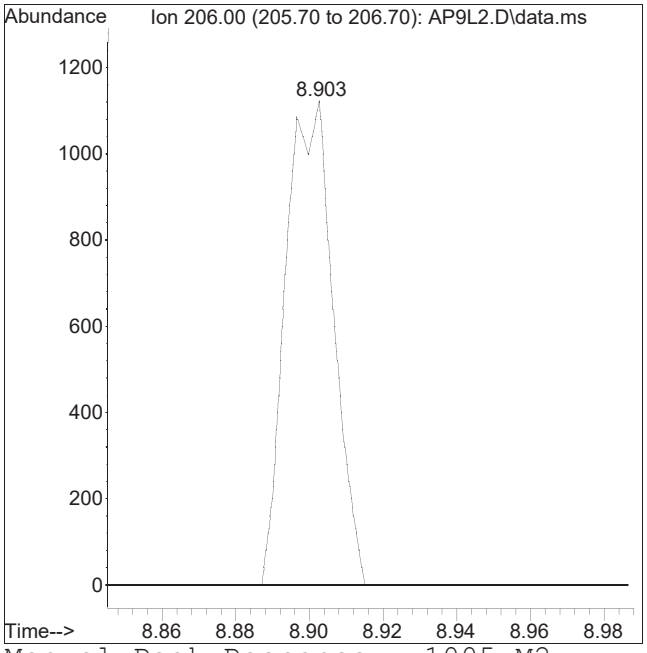
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : AP9L2.D Operator : sv109:dw
Date Inj'd : 9/11/2020 11:52 pm Instrument : SV109
Sample : IL19,32,,AP9L2 Lot# 8911 Quant Date : 9/14/2020 1:26 pm

Compound #84: Dichloran



Original Peak Response = 0



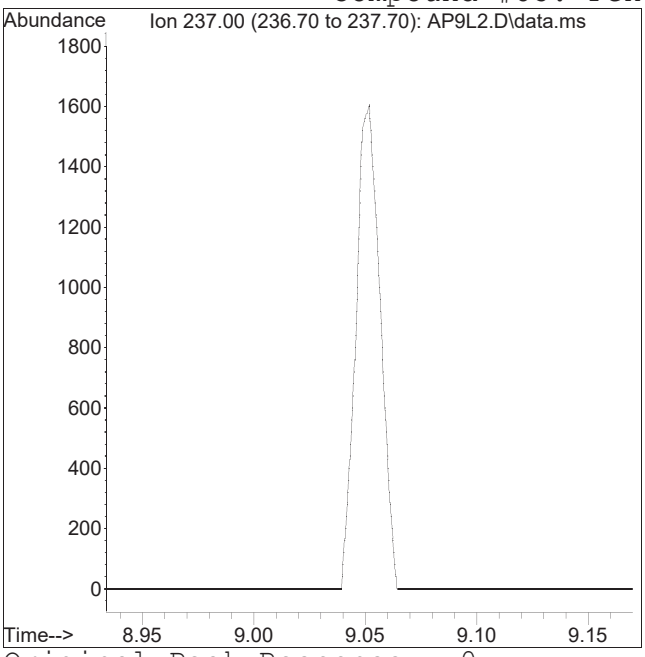
Manual Peak Response = 1005 M2

M2 = Peak not found by automatic integration algorithm.

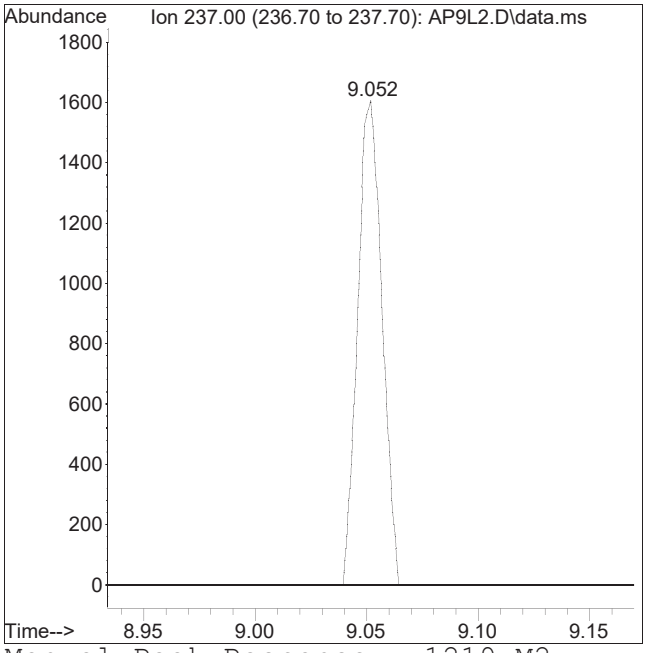
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : AP9L2.D Operator : sv109:dw
Date Inj'd : 9/11/2020 11:52 pm Instrument : SV109
Sample : IL19,32,,AP9L2 Lot# 8911 Quant Date : 9/14/2020 1:26 pm

Compound #85: Pentachloronitrobenzene



Original Peak Response = 0



Manual Peak Response = 1219 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : AP9L1.D
Acq On : 12 Sep 2020 12:16 am
Operator : sv109:dw
Sample : IL20,32,,AP9L1 Lot# 8910
Misc : WG1409654,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 14 08:10:33 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\AP9L7.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.828	152	105344	40.000	ug/ml	0.00
Standard Area 1 = 113730			Recovery =	92.63%		
55) IS2_Naphthalene-d8	6.068	136	430730	40.000	ug/ml	0.00
Standard Area 1 = 468362			Recovery =	91.97%		
83) IS2_Acenaphthene-d10	7.772	164	232830	40.000	ug/ml	0.00
Standard Area 1 = 250985			Recovery =	92.77%		
98) IS2_Phenanthrene-d10	9.211	188	455316	40.000	ug/ml	0.00
Standard Area 1 = 483687			Recovery =	94.13%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.399	105	3234	1.211	ug/ml	94
29) Acetophenone	5.229	105	5151	1.119	ug/ml#	48
30) m-Toluidine	5.310	106	5198	1.093	ug/ml#	91
31) 2-Chloroaniline	5.670	127	4824	1.120	ug/ml#	46
56) a-Terpineol	6.118	59	2803	1.028	ug/ml#	29
57) 3-Chloroaniline	6.134	65	1632M2	1.205	ug/ml	
58) 2,6-Dichlorophenol	6.158	162	2781	1.012	ug/ml#	19
59) 1-chloro-2-nitrobenzene	6.419	111	1419M2	1.061	ug/ml	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	6.932	216	4129	1.351	ug/ml#	88
62) Biphenyl	7.224	154	10719	1.314	ug/ml	96
84) Dichloran	0.000		0	N.D.		
85) Pentachloronitrobenzene	0.000		0	N.D.		
99) Diphenamid	10.109	167	3717	0.775	ug/ml#	74

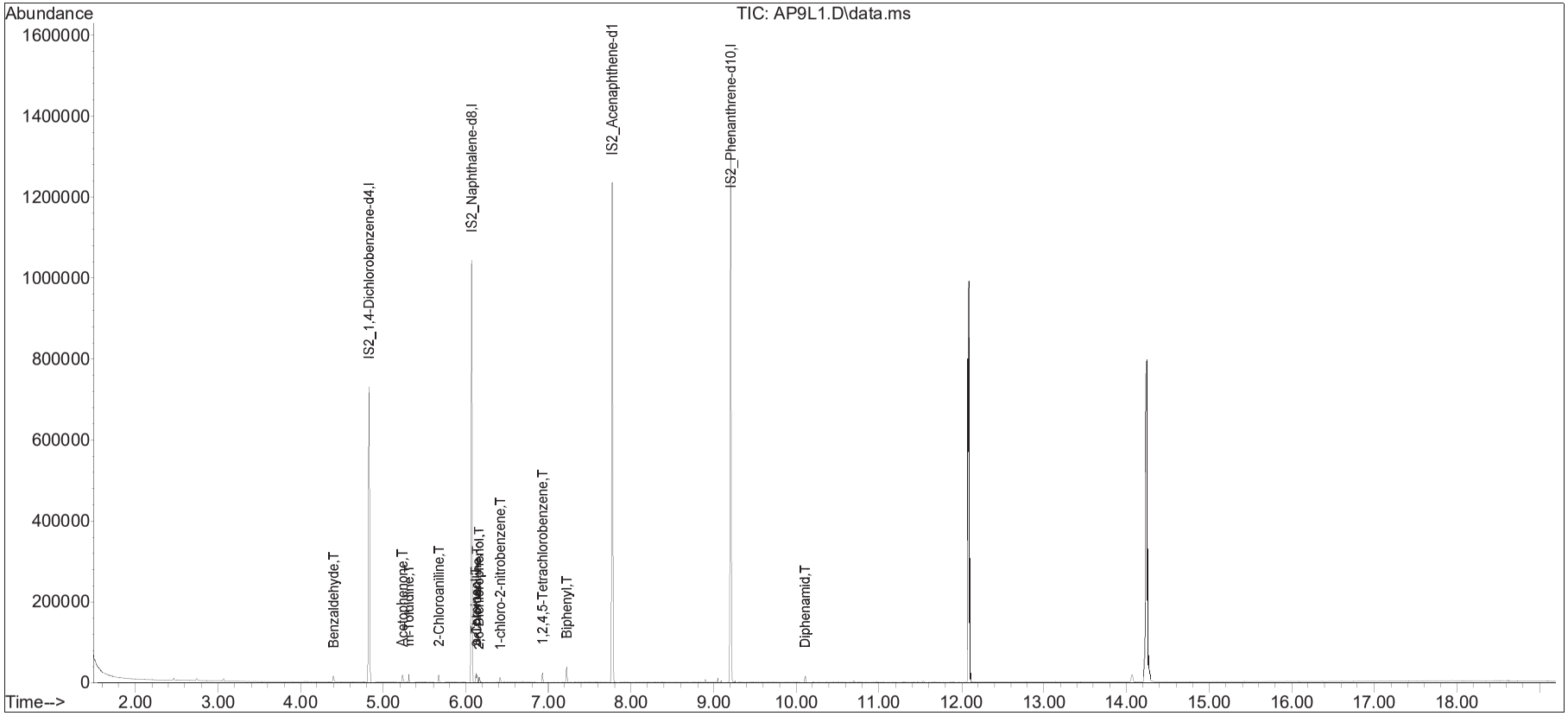
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : AP9L1.D
Acq On : 12 Sep 2020 12:16 am
Operator : sv109:dw
Sample : IL20,32,,AP9L1 Lot# 8910
Misc : WG1409654,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 14 08:10:33 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

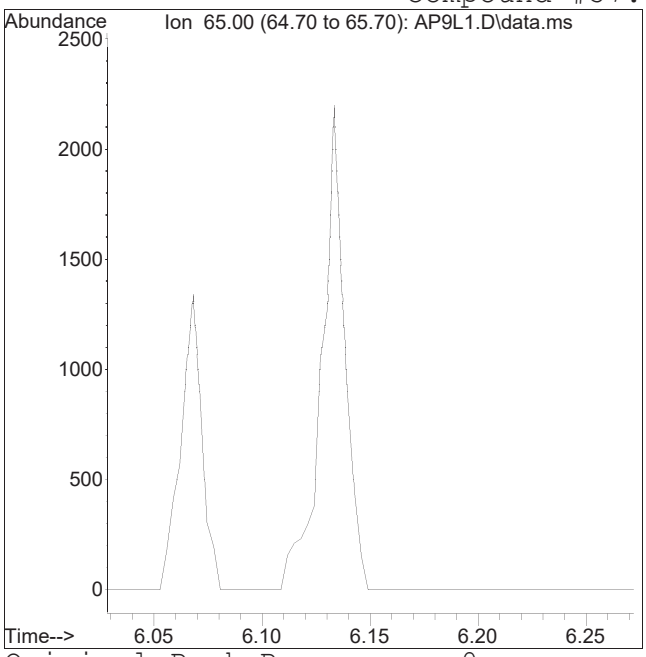
Sub List : AP9ical - AP9 ical sublistal\AP9L7.D•



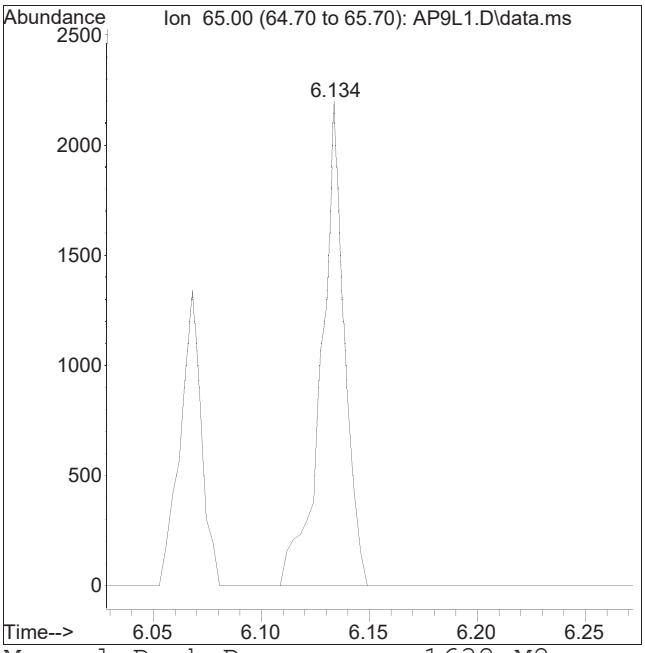
Manual Integration Report

Data Path	: I:\8270\SV109\200911ical\	QMethod	: FS200911SV109.m
Data File	: AP9L1.D	Operator	: sv109:dw
Date Inj'd	: 9/12/2020 12:16 am	Instrument	: SV109
Sample	: IL20,32,,AP9L1 Lot# 8910	Quant Date	: 9/13/2020 12:04 pm

Compound #57: 3-Chloroaniline



Original Peak Response = 0



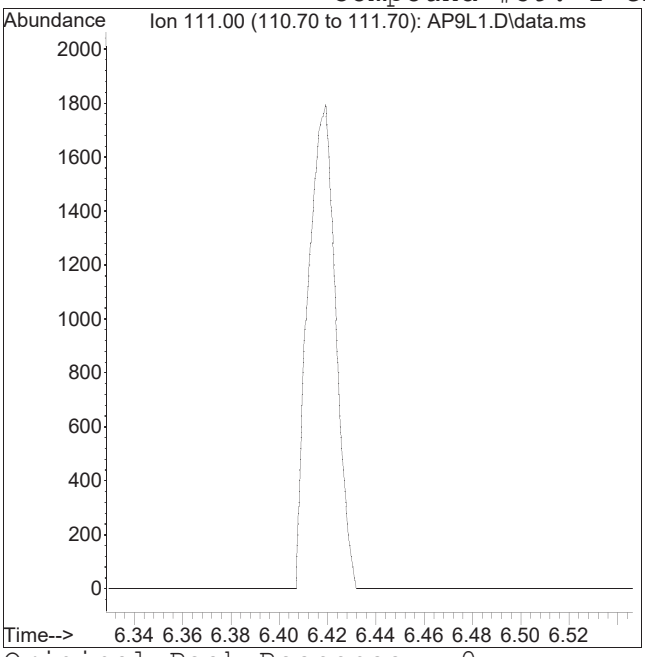
Manual Peak Response = 1632 M2

M2 = Peak not found by automatic integration algorithm.

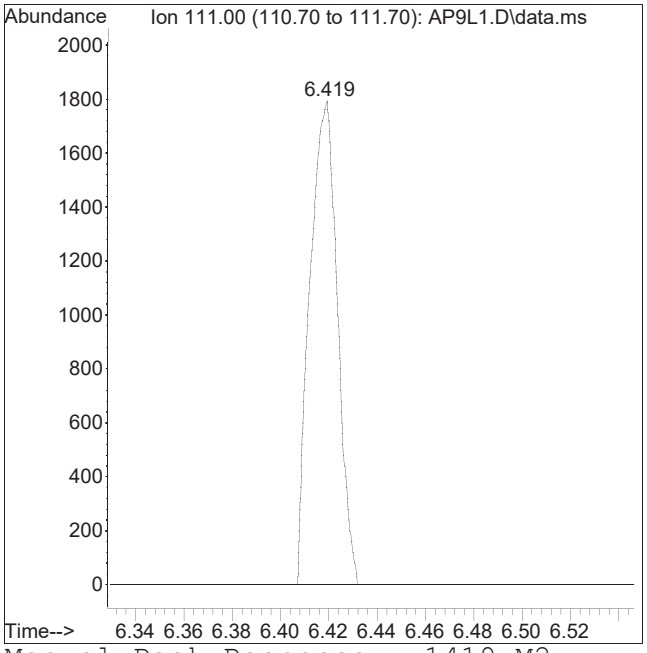
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : AP9L1.D Operator : sv109:dw
Date Inj'd : 9/12/2020 12:16 am Instrument : SV109
Sample : IL20,32,,AP9L1 Lot# 8910 Quant Date : 9/13/2020 12:04 pm

Compound #59: 1-chloro-2-nitrobenzene



Original Peak Response = 0



Manual Peak Response = 1419 M2

M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV109\200911ical\
Data File : ABNICV.D
Acq On : 12 Sep 2020 12:40 am
Operator : sv109:dw
Sample : CQICV1,32,,ABNICV Lot# 8896
Misc : WG1409654,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 14 13:21:53 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 13:20:39 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
2	t	n-Nitrosodimethylamine	0.756	0.715	5.4	93	0.00
3	t	Pyridine	1.321	1.231	6.8	92	0.00
4	S	2-Fluorophenol	1.195	1.158	3.1	94	0.00
5	T	Aniline	1.998	1.921	3.9	95	0.00
6	t	2-Chlorophenol	1.354	1.301	3.9	93	0.00
7	S	Phenol-d6	1.484	1.387	6.5	92	0.00
8	T	Phenol	1.756	1.716	2.3	95	0.00
9	T	Bis(2-chloroethyl)ether	1.237	1.187	4.0	97	0.00
10	T	1,3-Dichlorobenzene	1.569	1.431	8.8	94	0.00
11	T	1,4-Dichlorobenzene	1.603	1.471	8.2	95	0.00
12	T	1,2-Dichlorobenzene	1.513	1.410	6.8	95	0.00
13	t	Benzyl alcohol	0.989	0.982	0.7	95	0.00
14	T	Bis(2-chloroisopropyl)ether	1.647	1.607	2.4	101	0.00
15	T	2-Methylphenol	1.211	1.176	2.9	96	0.00
16	T	Hexachloroethane	0.578	0.557	3.6	97	0.00
17	T	n-Nitrosodi-n-propylamine	0.840	0.840	0.0	96	0.00
18	T	3-Methylphenol/4-Methylphen	1.290	1.253	2.9	96	0.00
19	S	Nitrobenzene-d5	1.323	1.259	4.8	93	0.00
20	T	Nitrobenzene	1.297	1.285	0.9	97	0.00
21	T	Isophorone	2.344	2.391	-2.0	96	0.00
22	T	2-Nitrophenol	0.665	0.662	0.5	90	0.00
23	T	2,4-Dimethylphenol	1.322	1.330	-0.6	97	0.00
24	T	Bis(2-chloroethoxy)methane	1.612	1.533	4.9	96	0.00
25	T	2,4-Dichlorophenol	1.134	1.121	1.1	94	0.00
26	T	1,2,4-Trichlorobenzene	1.329	1.225	7.8	95	0.00
35	I	IS1_Naphthalene-d8	1.000	1.000	0.0	101	0.00
36	T	Naphthalene	1.041	0.954	8.4	96	0.00
37	T	Benzoic Acid	* 50.000	41.939	16.1	84	0.00
38	T	4-Chloroaniline	0.119	0.119	0.0	100	0.00
39	T	Hexachlorobutadiene	0.182	0.165	9.3	94	0.00
40	T	p-Chloro-m-cresol	0.280	0.272	2.9	96	0.00
41	T	2-Methylnaphthalene	0.692	0.649	6.2	97	0.00
42	T	1-Methylnaphthalene	0.220	0.206	6.4	97	0.00
43	T	Hexachlorocyclopentadiene	0.233	0.219	6.0	93	0.00
44	T	2,4,6-Trichlorophenol	0.200	0.197	1.5	94	0.00
45	T	2,4,5-Trichlorophenol	0.220	0.215	2.3	94	0.00
46	S	2-Fluorobiphenyl	0.771	0.694	10.0	93	0.00

Data Path : I:\8270\SV109\200911ical\
Data File : ABNICV.D
Acq On : 12 Sep 2020 12:40 am
Operator : sv109:dw
Sample : CQICV1,32,,ABNICV Lot# 8896
Misc : WG1409654,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 14 13:21:53 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 13:20:39 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene	0.659	0.604	8.3	96	0.00
48	T	2-Nitroaniline	0.188	0.193	-2.7	92	0.00
49	T	1,4-Dinitrobenzene	0.089	0.091	-2.2	91	0.00
50	T	1,3-Dinitrobenzene	0.103	0.106	-2.9	94	0.00
51	T	Dimethyl phthalate	0.737	0.716	2.8	97	0.00
52	T	Acenaphthylene	1.079	1.047	3.0	96	0.00
53	T	2,6-Dinitrotoluene	0.145	0.151	-4.1	94	0.00
54	T	1,2-Dinitrobenzene	0.068	0.069	-1.5	95	0.00
63	I	IS1_Acenaphthene-d10	1.000	1.000	0.0	102	0.00
64	T	3-Nitroaniline	0.323	0.333	-3.1	96	0.00
65	T	Acenaphthene	1.159	1.061	8.5	97	0.00
66	T	2,4-Dinitrophenol	* 50.000	42.496	15.0	89	0.00
67	T	Dibenzofuran	1.783	1.628	8.7	96	0.00
68	T	2,4-Dinitrotoluene	0.367	0.380	-3.5	95	0.00
69	T	4-Nitrophenol	0.237	0.254	-7.2	99	0.00
70	T	2,3,5,6-Tetrachlorophenol	0.329	0.324	1.5	95	0.00
71	T	2,3,4,6-Tetrachlorophenol	0.322	0.315	2.2	94	0.00
72	T	Diethyl phthalate	1.368	1.347	1.5	98	0.00
73	T	Fluorene	1.375	1.283	6.7	98	0.00
74	T	4-Chlorophenyl phenyl ether	0.665	0.606	8.9	96	0.00
75	T	4-Nitroaniline	0.312	0.327	-4.8	97	0.00
76	T	4,6-Dinitro-o-cresol	* 50.000	46.071	7.9	94	0.00
77	T	NDPA/DPA	1.137	1.091	4.0	97	0.00
78	T	Azobenzene	1.207	1.220	-1.1	100	0.00
79	S	2,4,6-Tribromophenol	0.203	0.201	1.0	92	0.00
80	T	4-Bromophenyl phenyl ether	0.371	0.339	8.6	94	0.00
81	T	Hexachlorobenzene	0.457	0.406	11.2	95	0.00
82	T	Pentachlorophenol	* 50.000	44.743	10.5	92	0.00
88	I	IS1_Phenanthrene-d10	1.000	1.000	0.0	103	0.00
89	T	Phenanthrene	1.089	0.983	9.7	98	0.00
90	T	Anthracene	1.070	1.015	5.1	97	0.00
91	T	Carbazole	0.983	0.964	1.9	98	0.00
92	T	Di-n-butylphthalate	1.065	1.125	-5.6	99	0.00
93	T	Fluoranthene	1.140	1.110	2.6	98	0.00
94	T	Benzidine	* 50.000	45.425	9.2	96	0.00
95	T	Pyrene	1.215	1.193	1.8	100	0.00
96	S	4-Terphenyl-d14	0.885	0.870	1.7	99	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV109\200911ical\
Data File : ABNICV.D
Acq On : 12 Sep 2020 12:40 am
Operator : sv109:dw
Sample : CQICV1,32,,ABNICV Lot# 8896
Misc : WG1409654,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 14 13:21:53 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 13:20:39 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	*	50.000	45.991	8.0	100	0.00
104	I	IS1_Chrysene-d12		1.000	1.000	0.0	104	0.00
105	T	Benzo(a)anthracene		1.232	1.154	6.3	97	0.00
106	T	3,3'-Dichlorobenzidine	*	50.000	45.748	8.5	95	0.00
107	T	Chrysene		1.238	1.137	8.2	101	0.00
108	T	Bis(2-ethylhexyl)phthalate	*	50.000	47.509	5.0	101	0.00
109	T	Di-n-octylphthalate	*	50.000	45.131	9.7	99	0.00
110	T	Benzo(b)fluoranthene		1.181	1.159	1.9	96	0.00
111	T	Benzo(k)fluoranthene		1.139	1.148	-0.8	100	0.00
112	T	Benzo(a)pyrene		0.990	1.028	-3.8	97	0.00
113	I	IS1_Perylene-d12		1.000	1.000	0.0	104	0.00
114	T	Indeno(1,2,3-cd)pyrene		1.017	1.010	0.7	94	0.00
115	T	Dibenzo(a,h)anthracene		1.107	1.073	3.1	96	0.00
116	T	Benzo(ghi)perylene		1.130	1.074	5.0	94	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNICV.D
Acq On : 12 Sep 2020 12:40 am
Operator : sv109:dw
Sample : CQICV1,32,,ABNICV Lot# 8896
Misc : WG1409654,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 14 13:21:53 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 13:20:39 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.828	152	109454	40.000	ug/ml	0.00
Standard Area 1 = 108868			Recovery = 100.54%			
35) IS1_Naphthalene-d8	6.068	136	456541	40.000	ug/ml	0.00
Standard Area 1 = 452978			Recovery = 100.79%			
63) IS1_Acenaphthene-d10	7.775	164	253702	40.000	ug/ml	0.00
Standard Area 1 = 249022			Recovery = 101.88%			
88) IS1_Phenanthrene-d10	9.211	188	492553	40.000	ug/ml	0.00
Standard Area 1 = 478336			Recovery = 102.97%			
104) IS1_Chrysene-d12	12.092	240	491123	40.000	ug/ml	0.00
Standard Area 1 = 472032			Recovery = 104.04%			
113) IS1_Perylene-d12	14.243	264	508218	40.000	ug/ml	0.00
Standard Area 1 = 489564			Recovery = 103.81%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.551	112	158490	48.449	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 96.90%			
7) Phenol-d6	4.496	99	189829	46.732	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 93.46%			
19) Nitrobenzene-d5	5.369	82	172263	47.569	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 190.28%#			
46) 2-Fluorobiphenyl	7.134	172	395935	44.973	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 179.89%#			
79) 2,4,6-Tribromophenol	8.539	330	63846	49.479	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 98.96%			
96) 4-Terphenyl-d14	10.817	244	535622	49.124	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 196.50%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.180	74	97802	47.269	ug/ml#	84
3) Pyridine	2.211	79	168440	46.598	ug/ml	84
5) Aniline	4.505	93	262771	48.072	ug/ml	98
6) 2-Chlorophenol	4.620	128	177993	48.034	ug/ml	98
8) Phenol	4.508	94	234818	48.869	ug/ml	97
9) Bis(2-chloroethyl)ether	4.586	93	162363	47.982	ug/ml	94
10) 1,3-Dichlorobenzene	4.769	146	195807	45.610	ug/ml	99
11) 1,4-Dichlorobenzene	4.844	146	201231	45.866	ug/ml	99
12) 1,2-Dichlorobenzene	4.990	146	192885	46.594	ug/ml	99
13) Benzyl alcohol	4.974	79	134304	49.606	ug/ml	98
14) Bis(2-chloroisopropyl)...	5.120	45	219802	48.775	ug/ml#	71

Data Path : I:\8270\SV109\200911ical\
Data File : ABNICV.D
Acq On : 12 Sep 2020 12:40 am
Operator : sv109:dw
Sample : CQICV1,32,,ABNICV Lot# 8896
Misc : WG1409654,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 14 13:21:53 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 13:20:39 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.099	108	160859	48.556	ug/ml	100
16) Hexachloroethane	5.319	117	76166	48.158	ug/ml	98
17) n-Nitrosodi-n-propylamine	5.245	70	114889	50.008	ug/ml	99
18) 3-Methylphenol/4-Methy...	5.257	108	171414	48.579	ug/ml	100
20) Nitrobenzene	5.388	77	175830M3	49.556	ug/ml	
21) Isophorone	5.627	82	327126	50.997	ug/ml	98
22) 2-Nitrophenol	5.705	139	90522	49.721	ug/ml	99
23) 2,4-Dimethylphenol	5.770	107	181948	50.290	ug/ml	98
24) Bis(2-chloroethoxy)met...	5.860	93	209806	47.558	ug/ml	100
25) 2,4-Dichlorophenol	5.941	162	153411	49.456	ug/ml	99
26) 1,2,4-Trichlorobenzene	6.022	180	167616	46.082	ug/ml	98
36) Naphthalene	6.087	128	544239M3	45.789	ug/ml	
37) Benzoic Acid	5.869	105	112599	41.939	ug/ml	99
38) 4-Chloroaniline	6.152	65	67627	49.634	ug/ml	100
39) Hexachlorobutadiene	6.233	225	93927	45.147	ug/ml	99
40) p-Chloro-m-cresol	6.643	107	155264	48.540	ug/ml	99
41) 2-Methylnaphthalene	6.764	142	370569	46.939	ug/ml	99
42) 1-Methylnaphthalene	6.861	115	117578	46.785	ug/ml	97
43) Hexachlorocyclopentadiene	6.932	237	124699	46.972	ug/ml	100
44) 2,4,6-Trichlorophenol	7.050	196	112510	49.170	ug/ml	99
45) 2,4,5-Trichlorophenol	7.078	196	122777	48.907	ug/ml	99
47) 2-Chloronaphthalene	7.234	162	344593	45.816	ug/ml	100
48) 2-Nitroaniline	7.343	138	110061	51.163	ug/ml	97
49) 1,4-Dinitrobenzene	7.476	168	51684	50.966	ug/ml	89
50) 1,3-Dinitrobenzene	7.551	168	60501	51.259	ug/ml	89
51) Dimethyl phthalate	7.542	163	408498	48.557	ug/ml	100
52) Acenaphthylene	7.635	152	597241	48.509	ug/ml	99
53) 2,6-Dinitrotoluene	7.588	165	86215	51.939	ug/ml	98
54) 1,2-Dinitrobenzene	7.632	168	39612	51.171	ug/ml	84
64) 3-Nitroaniline	7.744	138	105572	51.535	ug/ml	96
65) Acenaphthene	7.806	154	336624	45.783	ug/ml	99
66) 2,4-Dinitrophenol	7.843	184	52083	42.496	ug/ml	92
67) Dibenzofuran	7.974	168	516137	45.643	ug/ml	99
68) 2,4-Dinitrotoluene	7.974	165	120652	51.792	ug/ml	92
69) 4-Nitrophenol	7.921	65	80647	53.759	ug/ml	96
70) 2,3,5,6-Tetrachlorophenol	8.061	232	102776	49.272	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	8.101	232	99899	48.960	ug/ml	99
72) Diethyl phthalate	8.232	149	427313	49.265	ug/ml	99
73) Fluorene	8.306	166	406783	46.630	ug/ml	99
74) 4-Chlorophenyl phenyl ...	8.322	204	192276	45.593	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNICV.D
Acq On : 12 Sep 2020 12:40 am
Operator : sv109:dw
Sample : CQICV1,32,,ABNICV Lot# 8896
Misc : WG1409654,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 14 13:21:53 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 13:20:39 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ABNL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 4-Nitroaniline	8.334	138	103651	52.320	ug/ml	96
76) 4,6-Dinitro-o-cresol	8.365	198	65091	46.071	ug/ml#	89
77) NDPA/DPA	8.437	169	345892	47.981	ug/ml	98
78) Azobenzene	8.471	77	386999	50.532	ug/ml	98
80) 4-Bromophenyl phenyl e...	8.791	248	107426	45.713	ug/ml	97
81) Hexachlorobenzene	8.844	284	128730	44.457	ug/ml	100
82) Pentachlorophenol	9.037	266	80149	44.743	ug/ml	100
89) Phenanthrene	9.232	178	605490	45.160	ug/ml	100
90) Anthracene	9.282	178	624683	47.407	ug/ml	100
91) Carbazole	9.447	167	593812	49.061	ug/ml	99
92) Di-n-butylphthalate	9.826	149	692870	52.821	ug/ml	99
93) Fluoranthene	10.395	202	683165	48.660	ug/ml	98
94) Benzidine	10.547	184	487240	45.425	ug/ml	99
95) Pyrene	10.622	202	734311	49.097	ug/ml	99
97) Butyl benzyl phthalate	11.417	149	297815	45.991	ug/ml	98
105) Benzo(a)anthracene	12.079	228	708202	46.822	ug/ml	100
106) 3,3'-Dichlorobenzidine	12.076	252	275364	45.748	ug/ml	99
107) Chrysene	12.126	228	697880	45.921	ug/ml	99
108) Bis(2-ethylhexyl)phtha...	12.235	149	462361	47.509	ug/ml	99
109) Di-n-octylphthalate	13.223	149	745362	45.131	ug/ml#	93
110) Benzo(b)fluoranthene	13.658	252	711315	49.046	ug/ml	98
111) Benzo(k)fluoranthene	13.702	252	704752	50.388	ug/ml	99
112) Benzo(a)pyrene	14.149	252	631233	51.949	ug/ml	98
114) Indeno(1,2,3-cd)pyrene	15.856	276	641525	49.653	ug/ml	98
115) Dibenzo(a,h)anthracene	15.905	278	681545	48.466	ug/ml	99
116) Benzo(ghi)perylene	16.235	276	682231	47.519	ug/ml	99

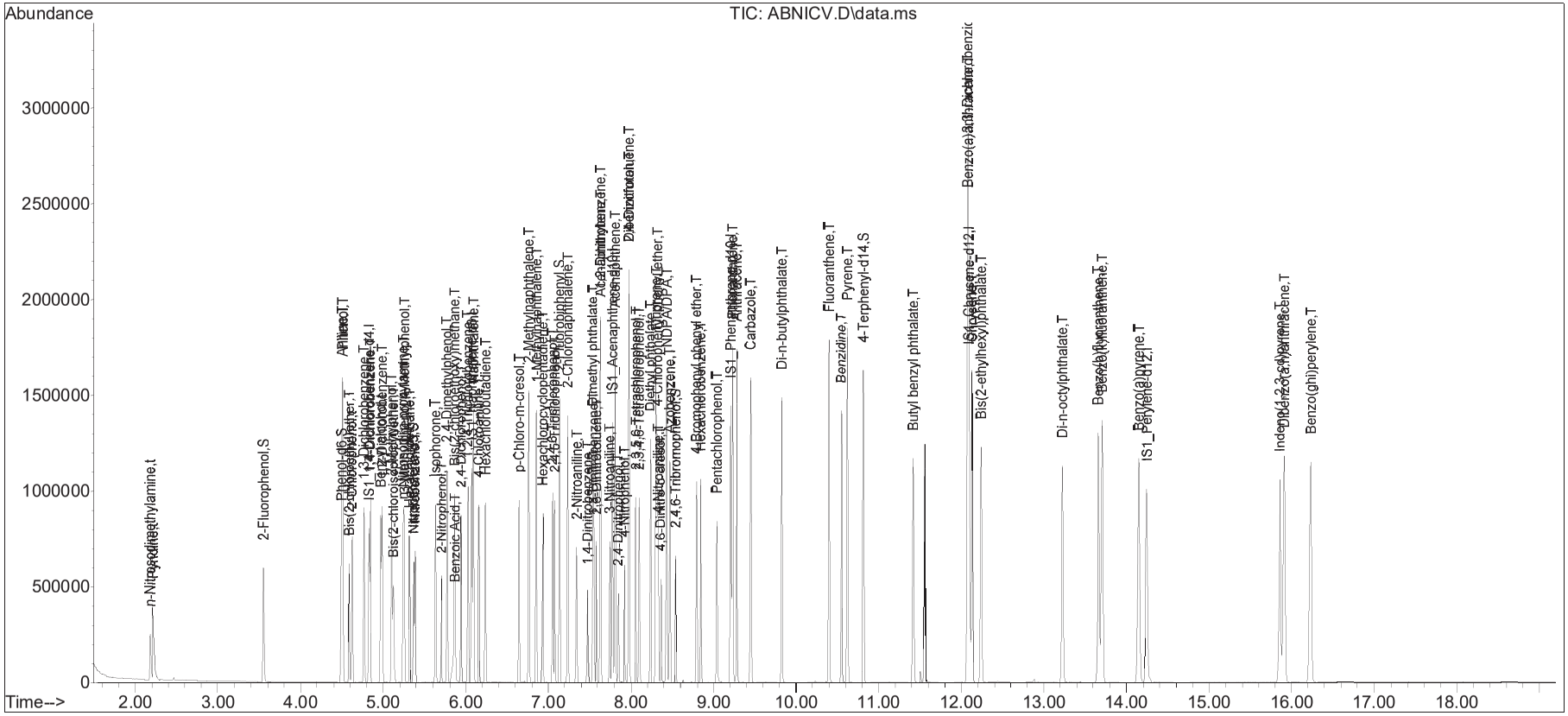
(#) = qualifier out of range (m) = manual integration (+) = signals summed

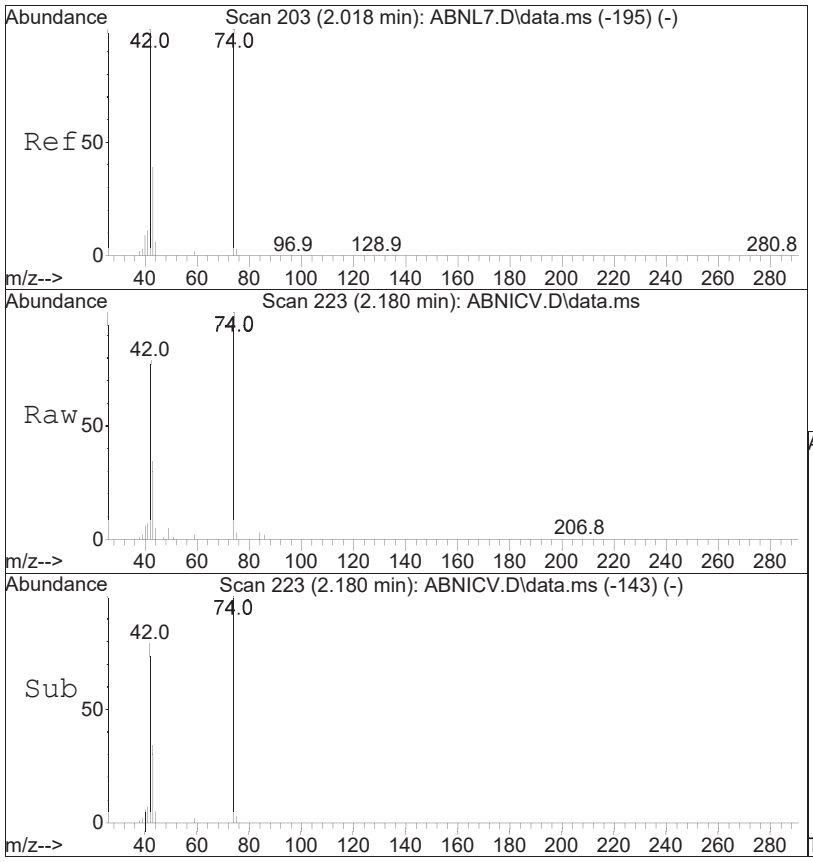
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ABNICV.D
Acq On : 12 Sep 2020 12:40 am
Operator : sv109:dw
Sample : CQICV1,32,,ABNICV Lot# 8896
Misc : WG1409654,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 14 13:21:53 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 13:20:39 2020
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistal\ABNL7.D•

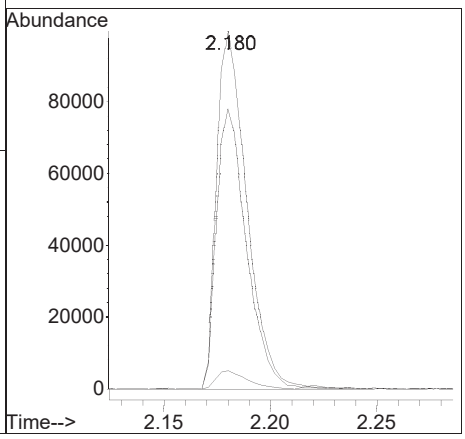


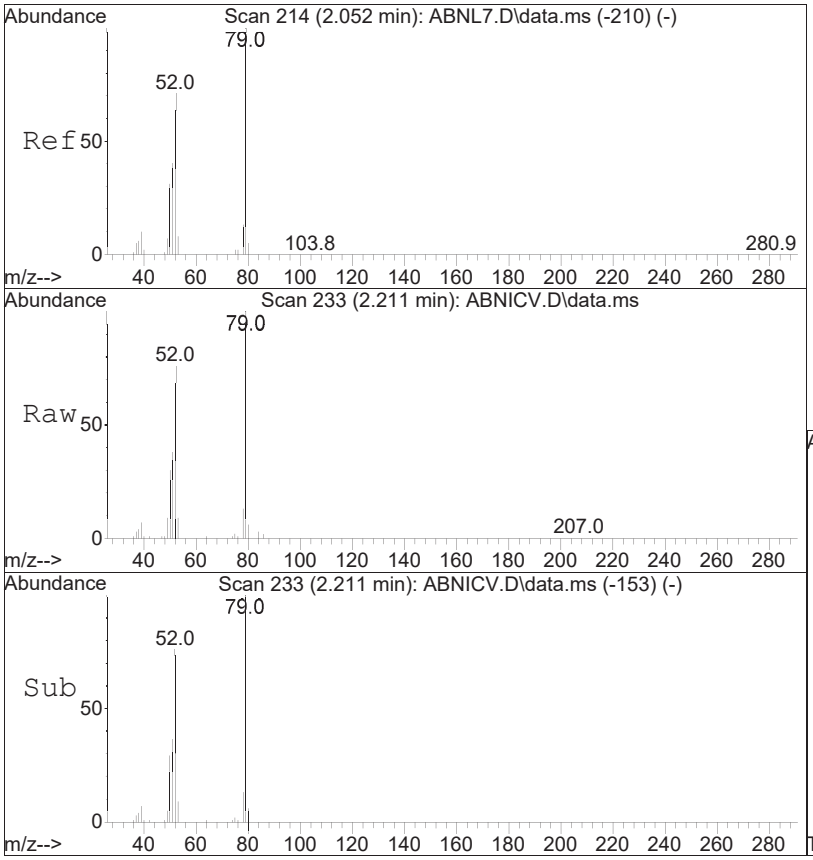


#2
n-Nitrosodimethylamine
Concen: 47.27 ug/ml
RT: 2.180 min Scan# 223
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion: 74 Resp: 97802

Ion	Ratio	Lower	Upper
74	100		
42	77.9	75.7	113.5
44	5.2	5.7	8.5#

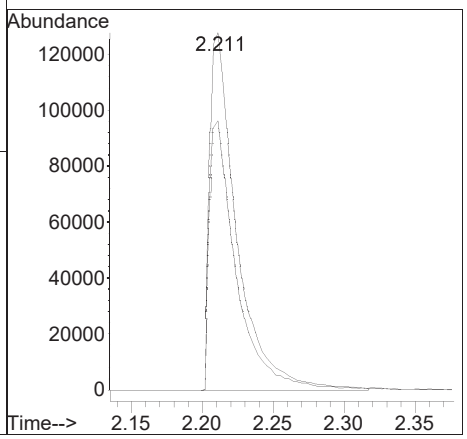


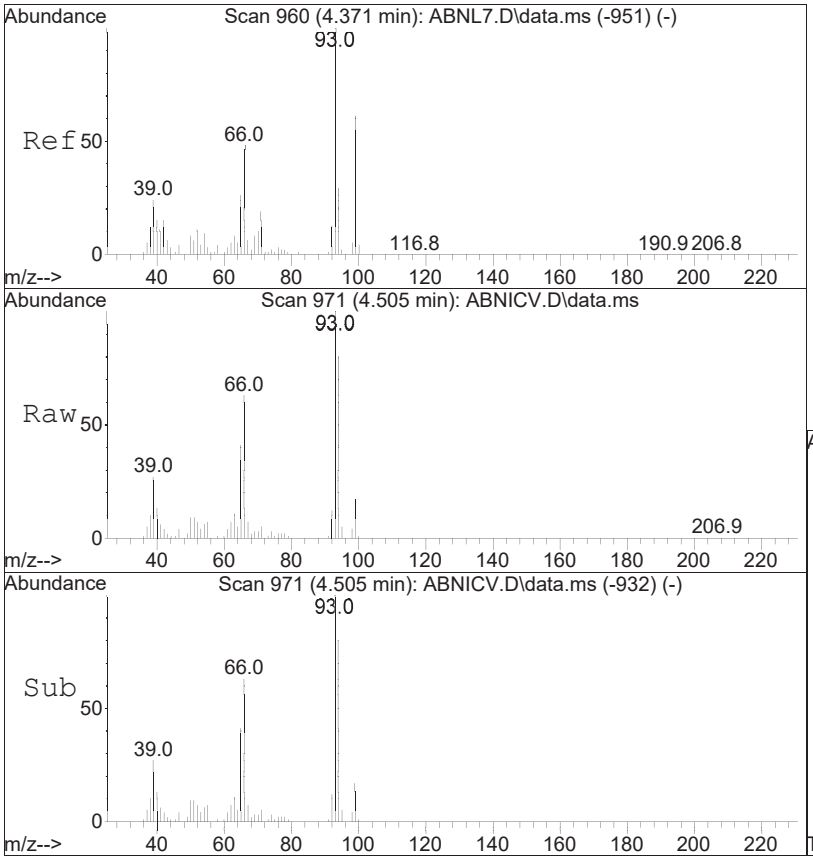


#3
Pyridine
Concen: 46.60 ug/ml
RT: 2.211 min Scan# 233
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion: 79 Resp: 168440

Ion	Ratio	Lower	Upper
79	100		
52	74.4	71.8	107.8

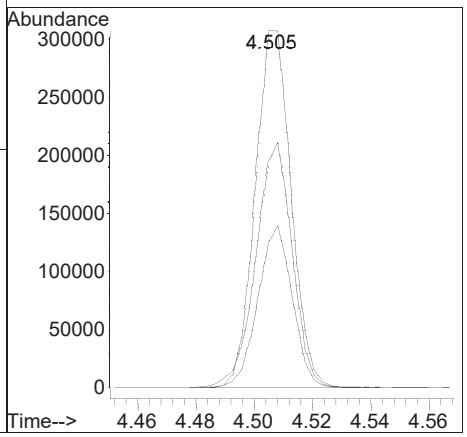


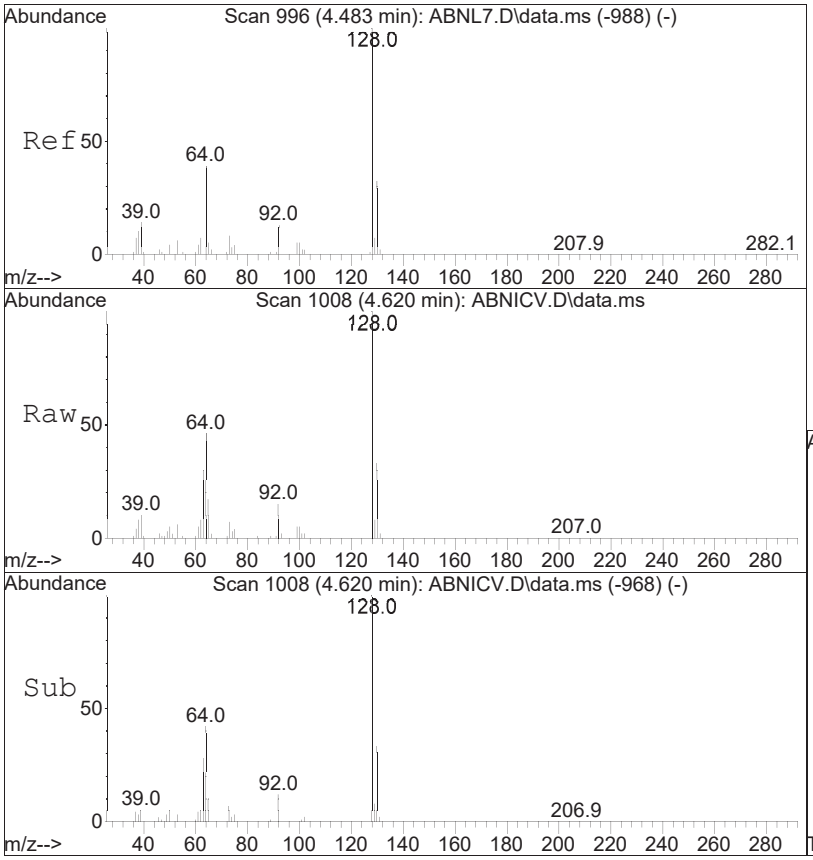


#5
Aniline
Concen: 48.07 ug/ml
RT: 4.505 min Scan# 971
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion: 93 Resp: 262771

Ion	Ratio	Lower	Upper
93	100		
66	69.8	57.0	85.4
65	43.7	36.2	54.2

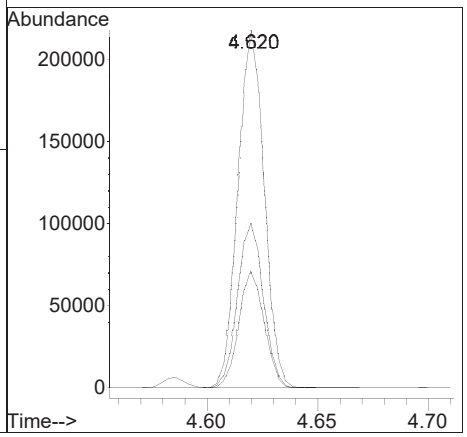


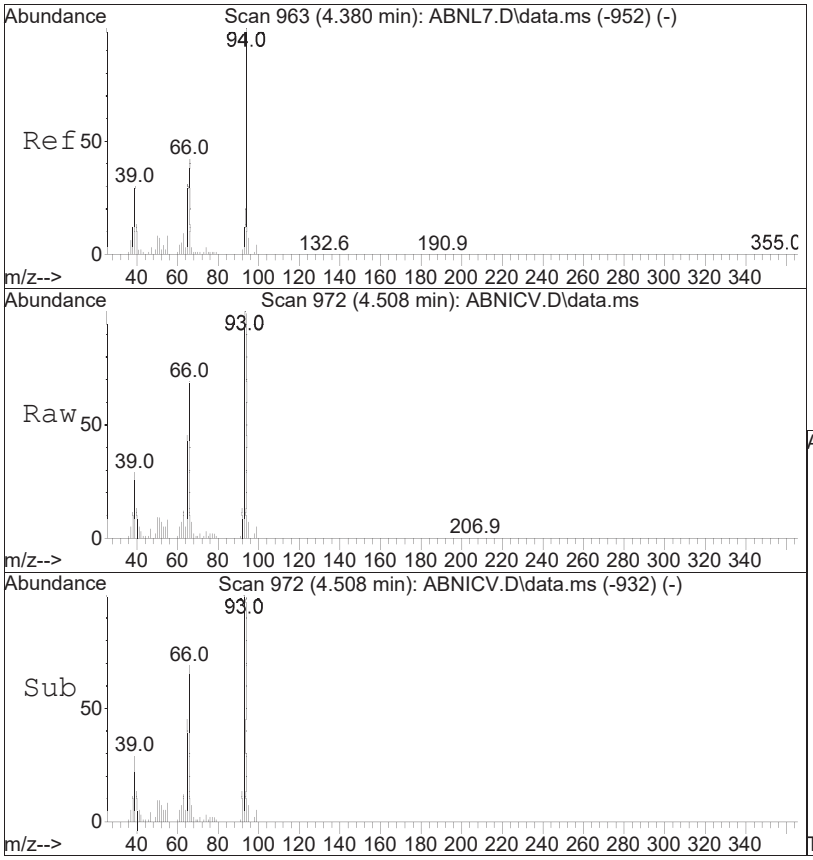


#6
2-Chlorophenol
Concen: 48.03 ug/ml
RT: 4.620 min Scan# 1008
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:128 Resp: 177993

Ion	Ratio	Lower	Upper
128	100		
64	45.8	38.1	57.1
130	32.0	25.7	38.5

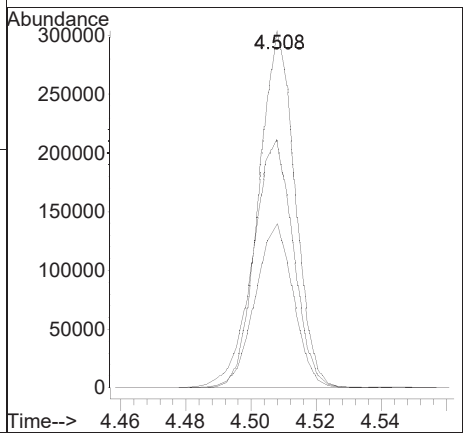


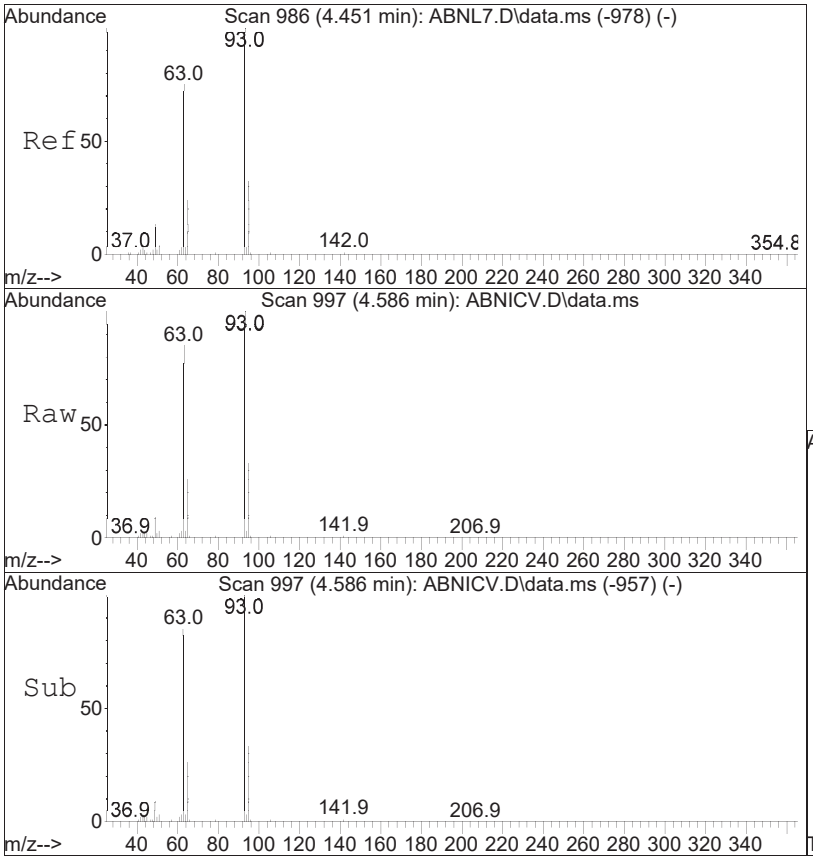


#8
Phenol
Concen: 48.87 ug/ml
RT: 4.508 min Scan# 972
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion: 94 Resp: 234818

Ion	Ratio	Lower	Upper
94	100		
65	48.9	40.7	61.1
66	78.1	64.1	96.1

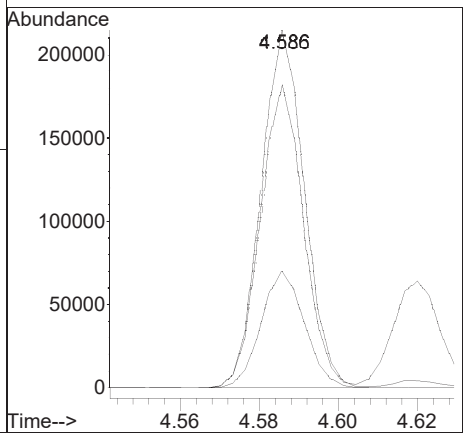


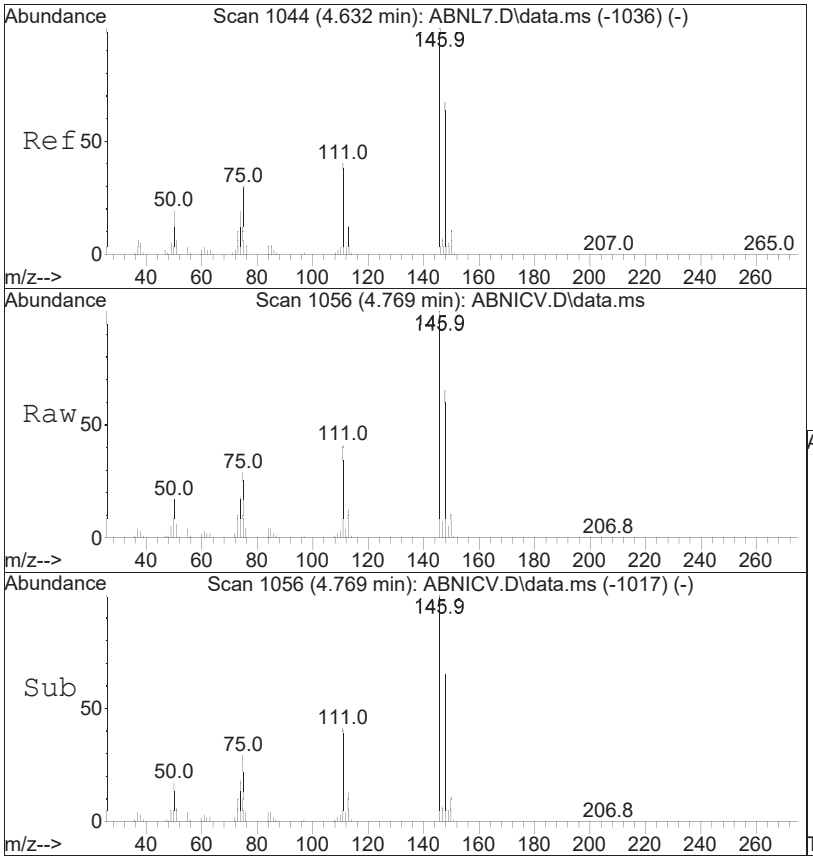


#9
Bis(2-chloroethyl)ether
Concen: 47.98 ug/ml
RT: 4.586 min Scan# 997
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion: 93 Resp: 162363

Ion	Ratio	Lower	Upper
93	100		
63	84.7	73.7	110.5
95	32.9	26.9	40.3

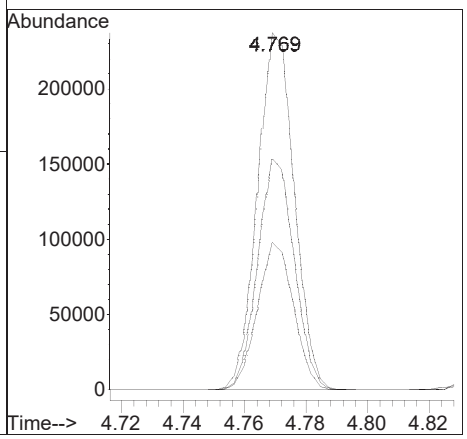


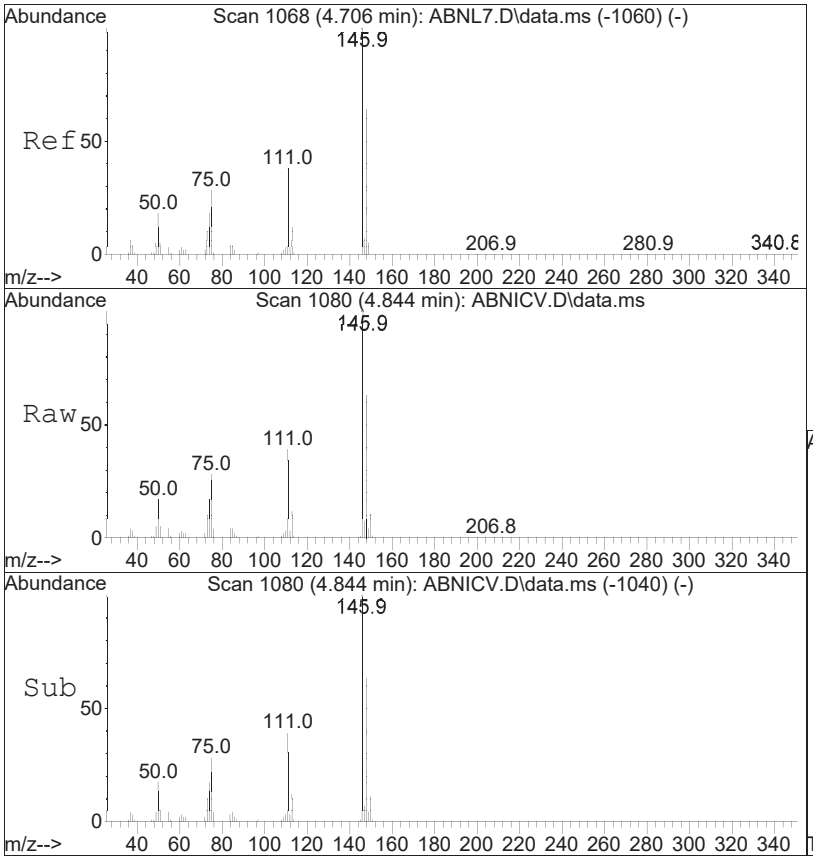


#10
1,3-Dichlorobenzene
Concen: 45.61 ug/ml
RT: 4.769 min Scan# 1056
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:146 Resp: 195807

Ion	Ratio	Lower	Upper
146	100		
111	40.7	33.0	49.4
148	64.2	51.0	76.6

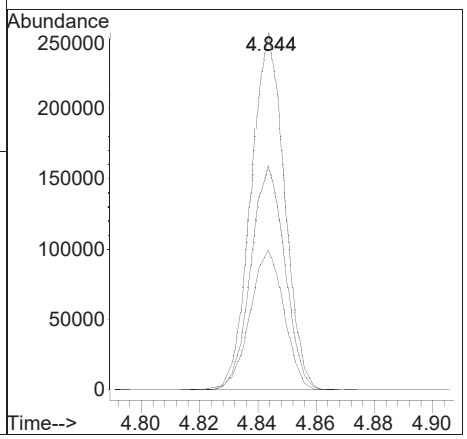


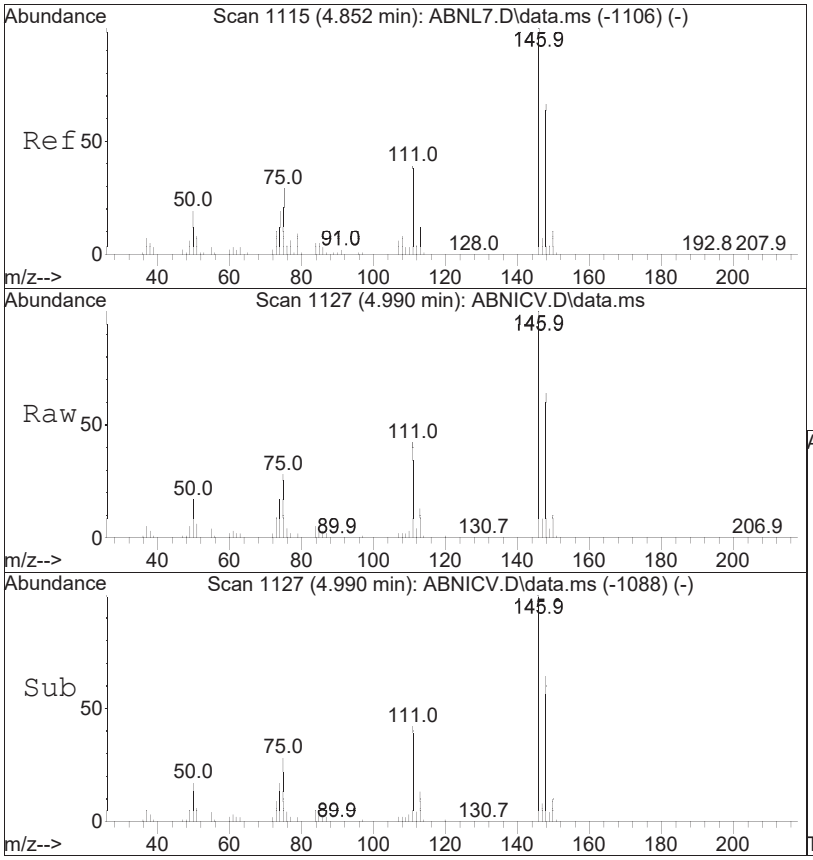


#11
1,4-Dichlorobenzene
Concen: 45.87 ug/ml
RT: 4.844 min Scan# 1080
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:146 Resp: 201231

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.4	77.0
111	40.4	31.8	47.8

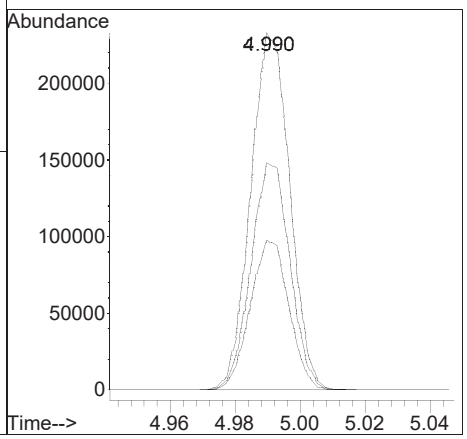


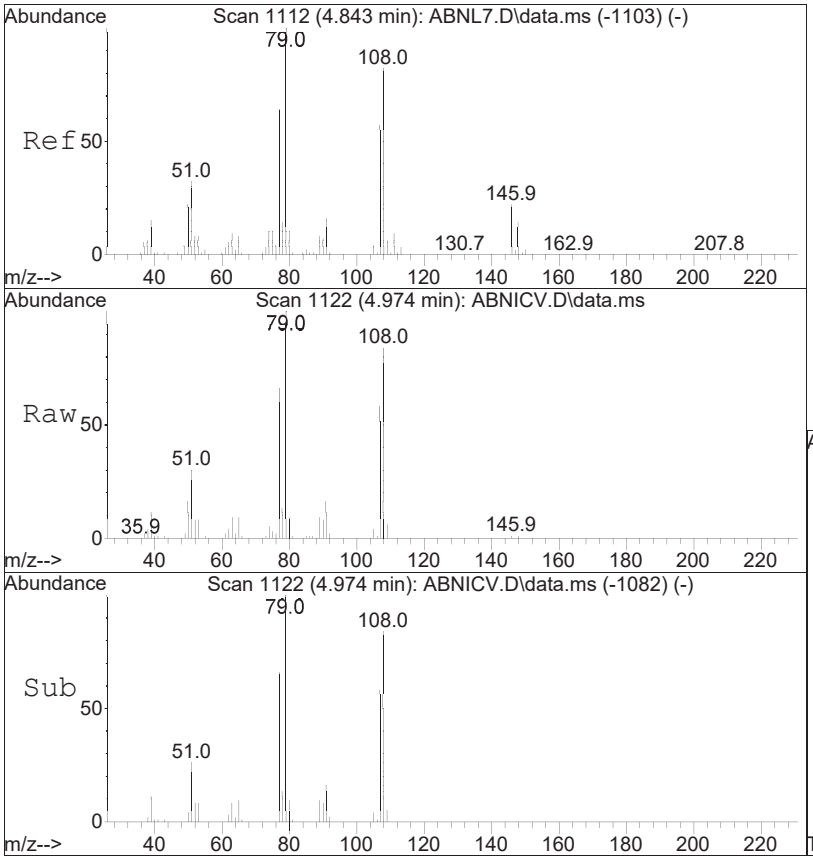


#12
1,2-Dichlorobenzene
Concen: 46.59 ug/ml
RT: 4.990 min Scan# 1127
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:146 Resp: 192885

Ion	Ratio	Lower	Upper
146	100		
111	41.7	32.8	49.2
148	63.5	51.4	77.2

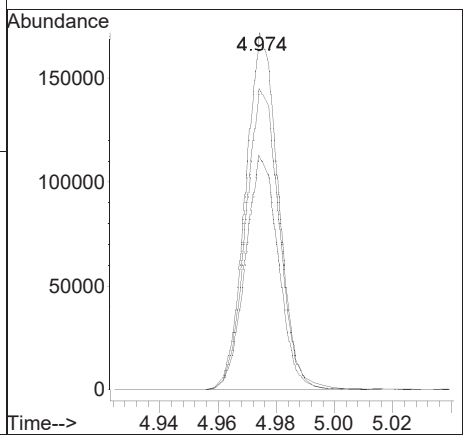


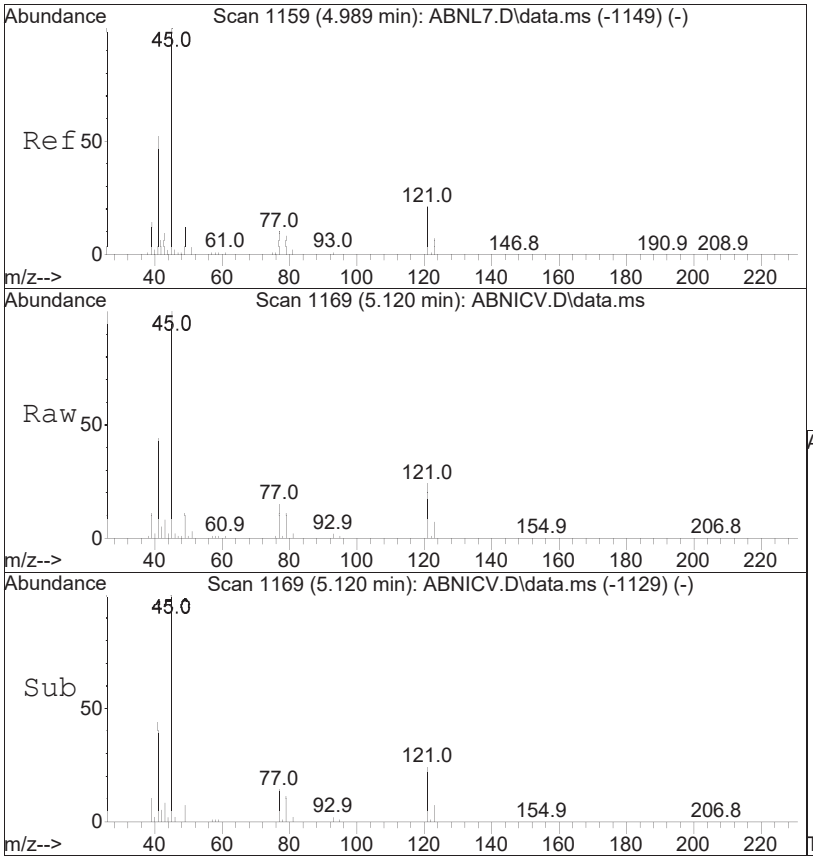


#13
Benzyl alcohol
Concen: 49.61 ug/ml
RT: 4.974 min Scan# 1122
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion: 79 Resp: 134304

Ion	Ratio	Lower	Upper
79	100		
77	66.3	52.4	78.6
108	86.2	66.7	100.1

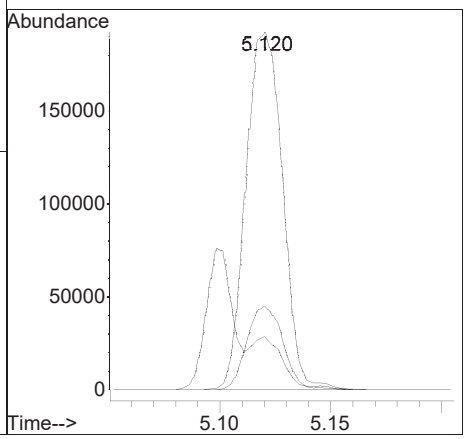


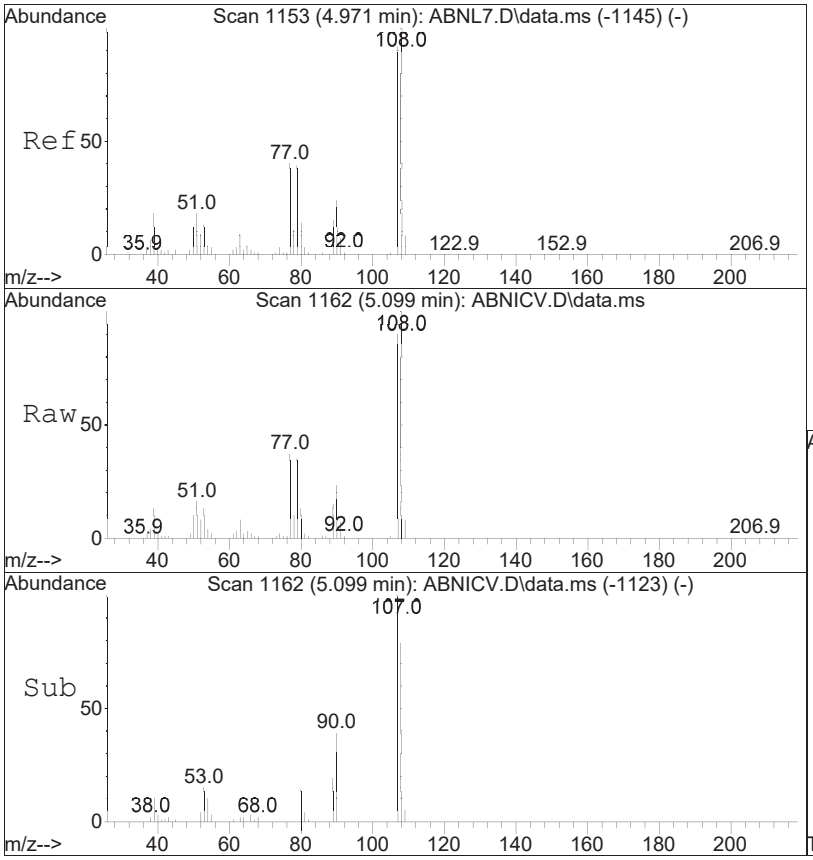


#14
Bis(2-chloroisopropyl)ether
Concen: 48.77 ug/ml
RT: 5.120 min Scan# 1169
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion: 45 Resp: 219802

Ion	Ratio	Lower	Upper
45	100		
121	22.9	12.6	19.0#
77	11.2	24.6	37.0#

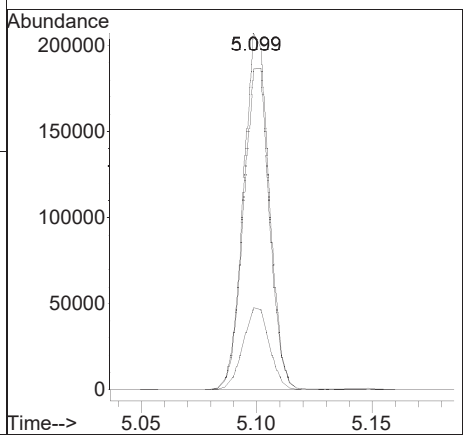


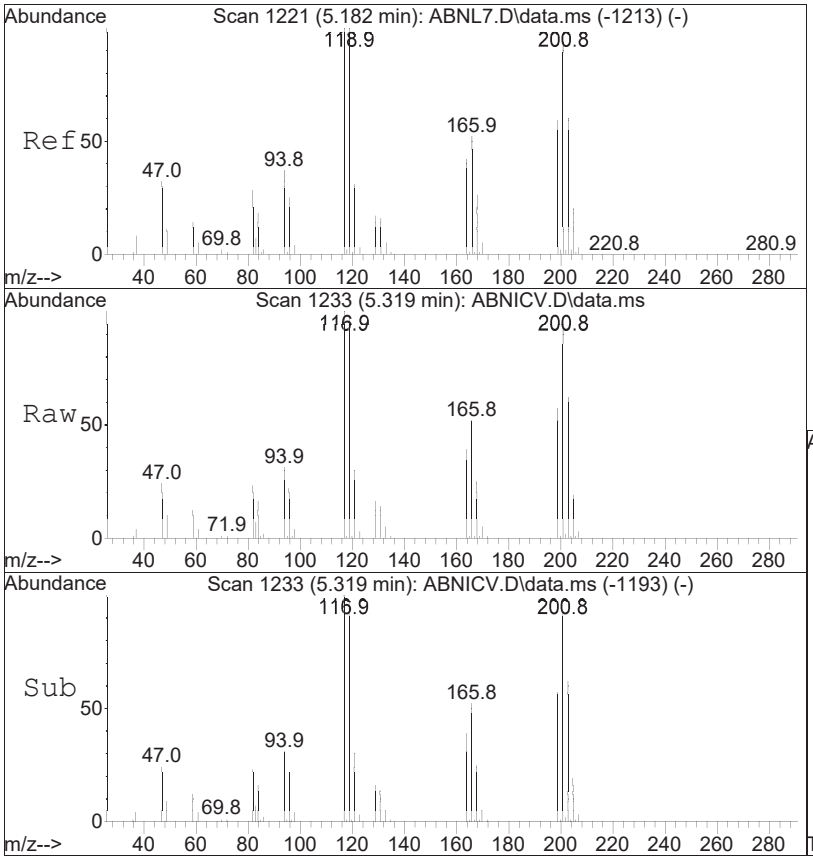


#15
2-Methylphenol
Concen: 48.56 ug/ml
RT: 5.099 min Scan# 1162
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:108 Resp: 160859

Ion	Ratio	Lower	Upper
108	100		
107	90.5	72.6	108.8
90	23.5	19.2	28.8

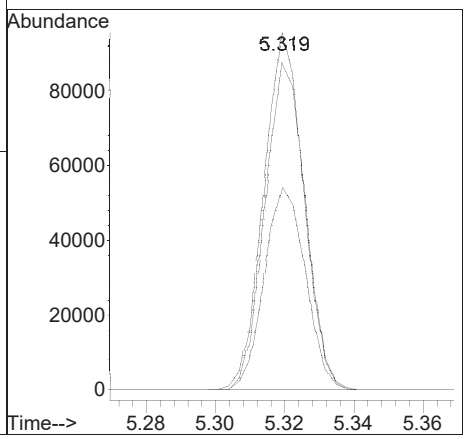


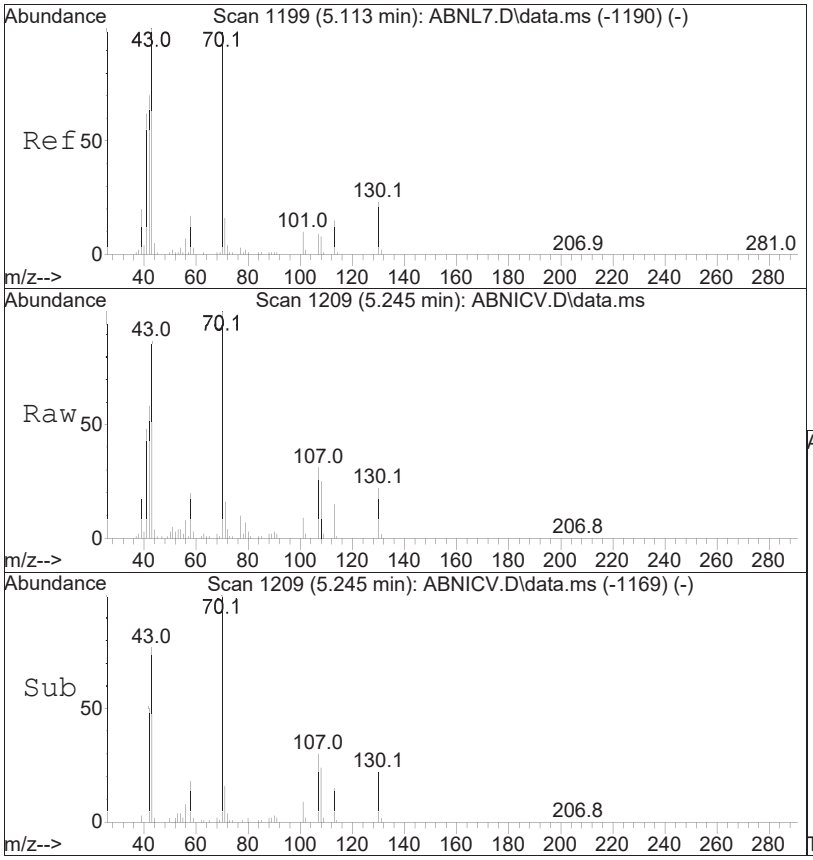


#16
Hexachloroethane
Concen: 48.16 ug/ml
RT: 5.319 min Scan# 1233
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:117 Resp: 76166

Ion	Ratio	Lower	Upper
117	100		
201	93.1	72.7	109.1
199	58.7	46.2	69.2

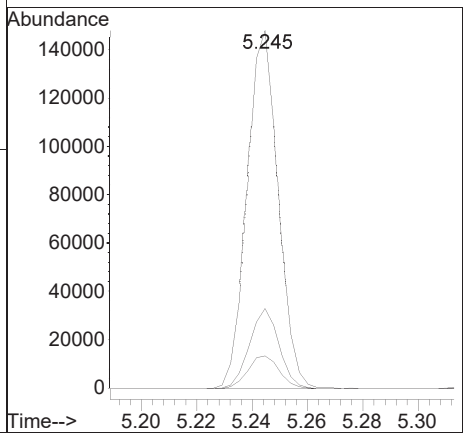


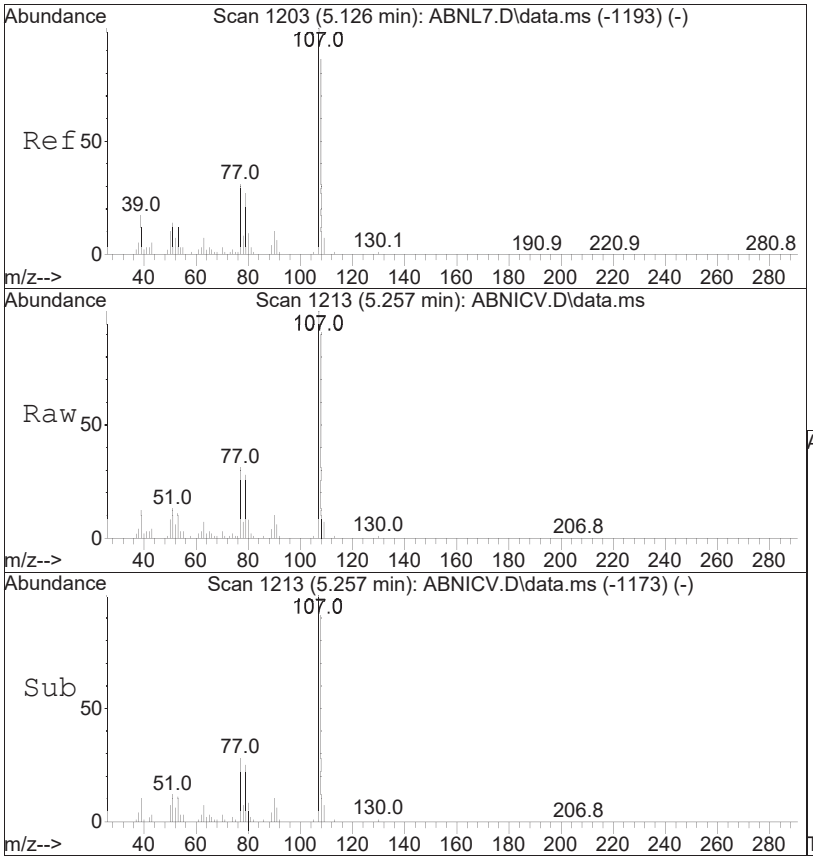


#17
n-Nitrosodi-n-propylamine
Concen: 50.01 ug/ml
RT: 5.245 min Scan# 1209
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion: 70 Resp: 114889

Ion	Ratio	Lower	Upper
70	100		
130	21.1	16.6	24.8
101	9.3	7.4	11.0

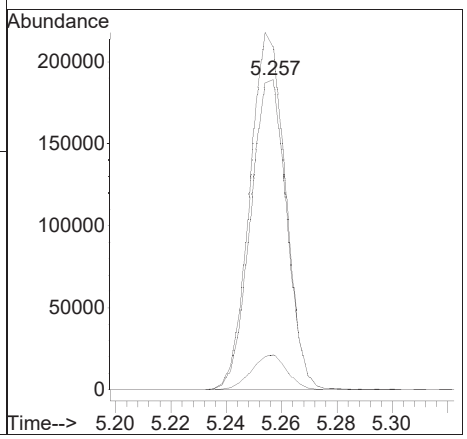


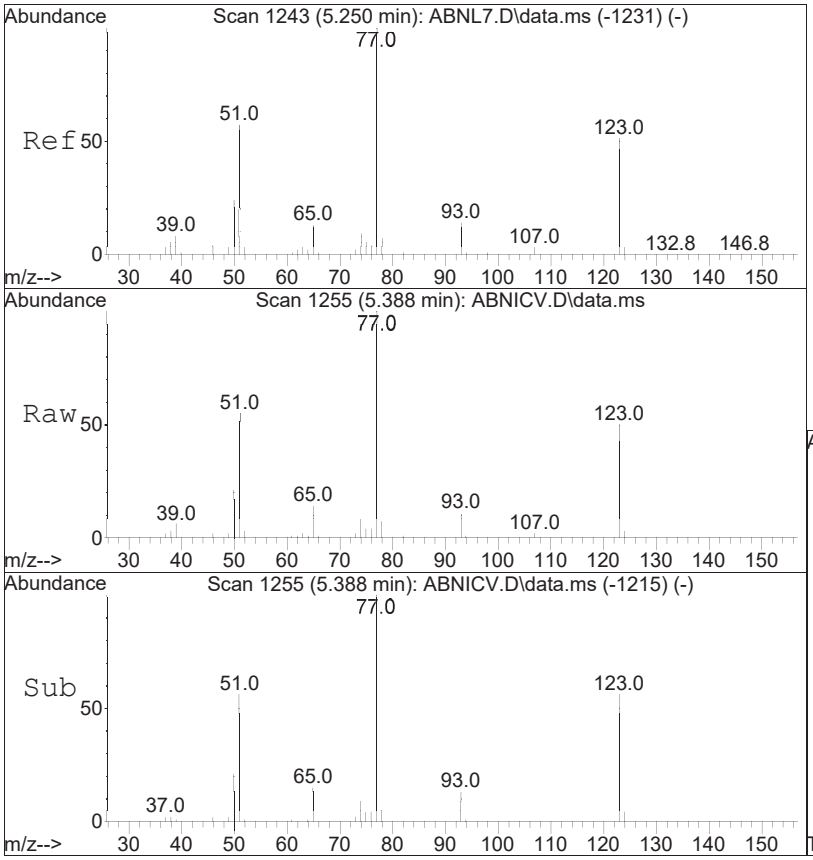


#18
3-Methylphenol/4-Methylphenol
Concen: 48.58 ug/ml
RT: 5.257 min Scan# 1213
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:108 Resp: 171414

Ion	Ratio	Lower	Upper
108	100		
107	113.5	91.0	136.6
90	10.9	8.7	13.1

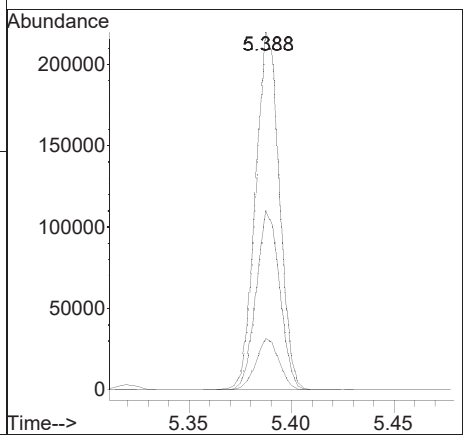


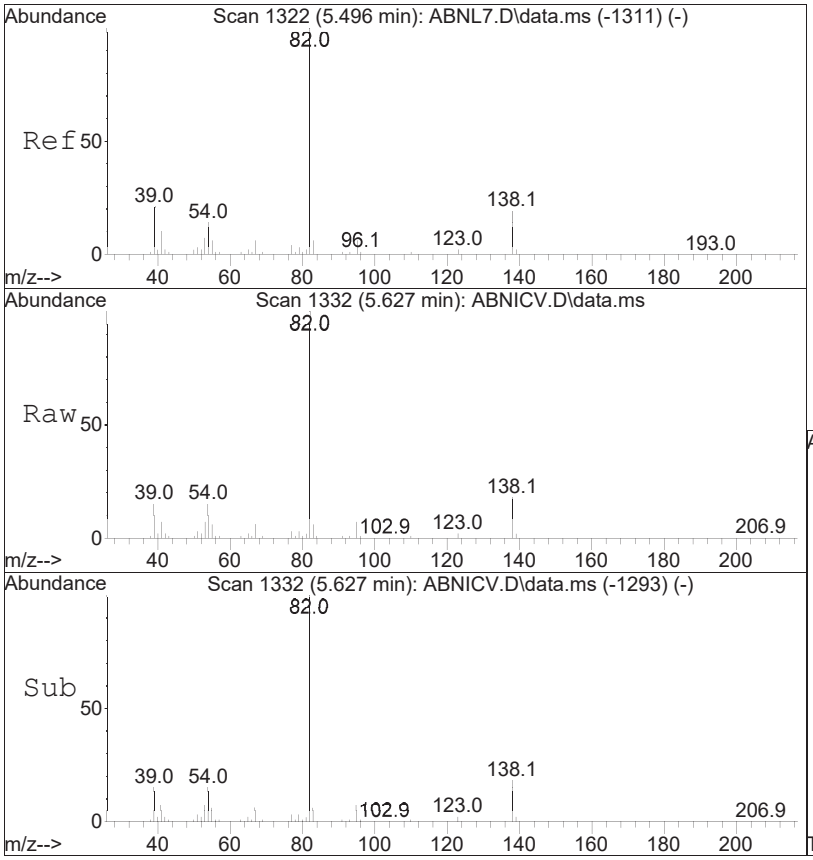


#20
Nitrobenzene
Concen: 49.56 ug/ml M3
RT: 5.388 min Scan# 1255
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion: 77 Resp: 175830

Ion	Ratio	Lower	Upper
77	100		
123	49.7	38.5	57.7
65	14.2	11.4	17.0

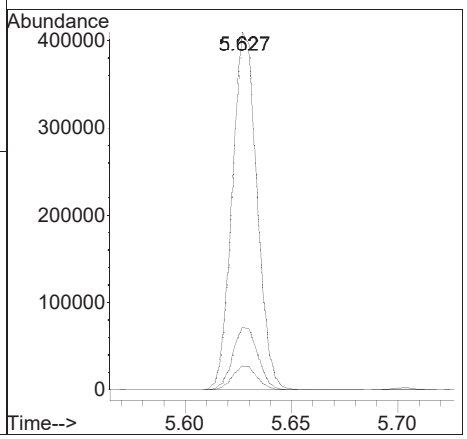


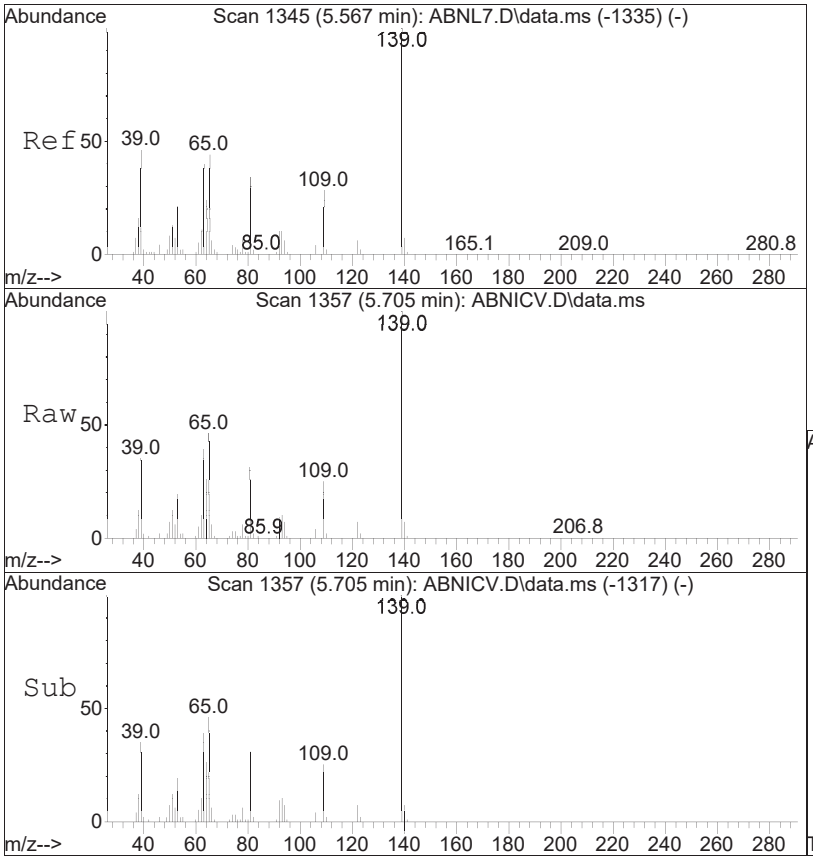


#21
Isophorone
Concen: 51.00 ug/ml
RT: 5.627 min Scan# 1332
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion: 82 Resp: 327126

Ion	Ratio	Lower	Upper
82	100		
138	17.8	13.6	20.4
95	6.7	5.1	7.7

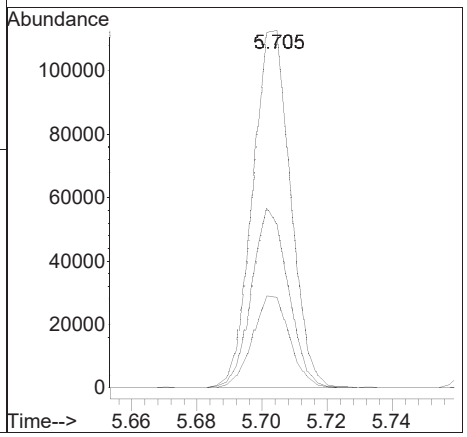


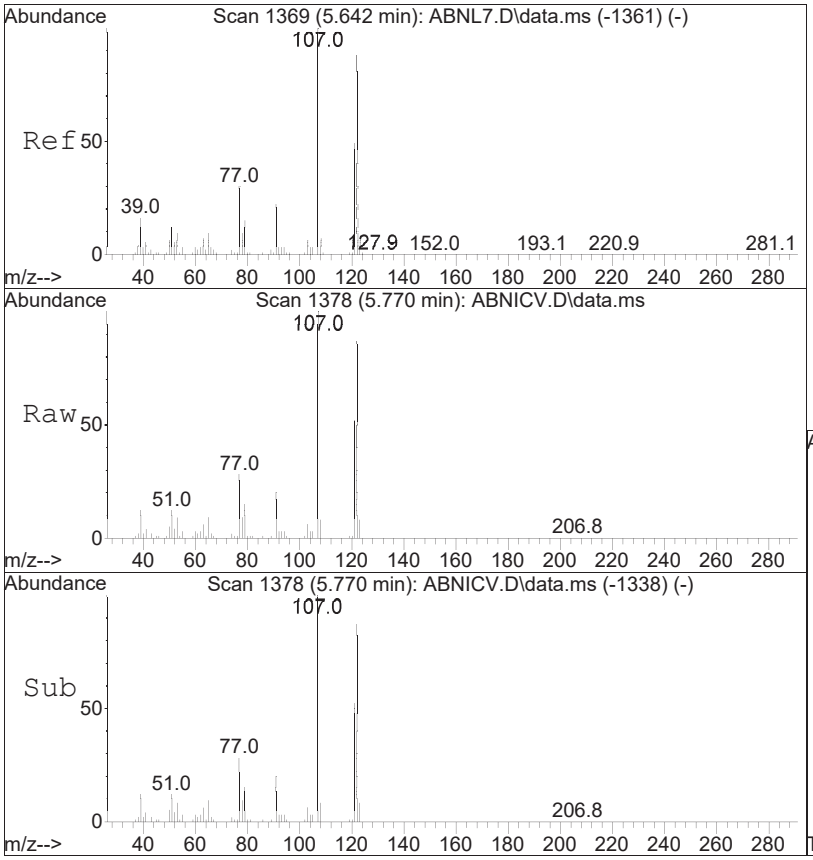


#22
2-Nitrophenol
Concen: 49.72 ug/ml
RT: 5.705 min Scan# 1357
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:139 Resp: 90522

Ion	Ratio	Lower	Upper
139	100		
109	25.3	19.8	29.6
65	48.8	39.6	59.4

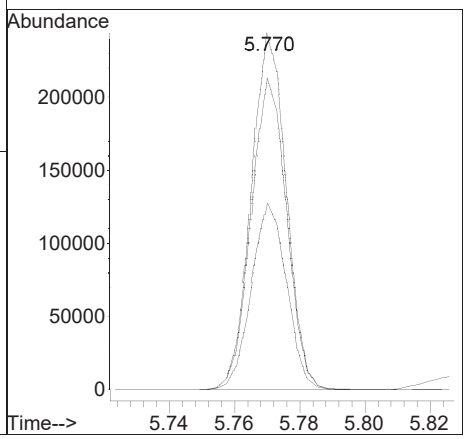


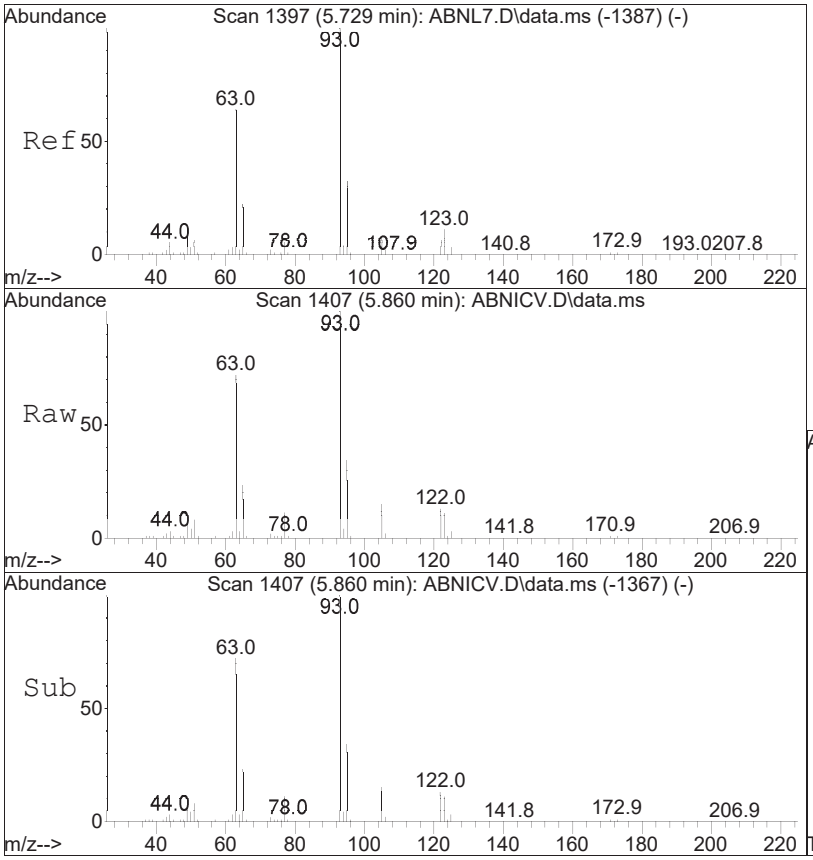


#23
2,4-Dimethylphenol
Concen: 50.29 ug/ml
RT: 5.770 min Scan# 1378
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:107 Resp: 181948

Ion	Ratio	Lower	Upper
107	100		
121	52.6	43.0	64.4
122	88.3	71.8	107.8

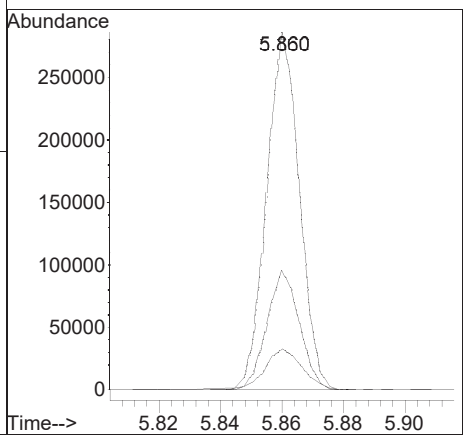


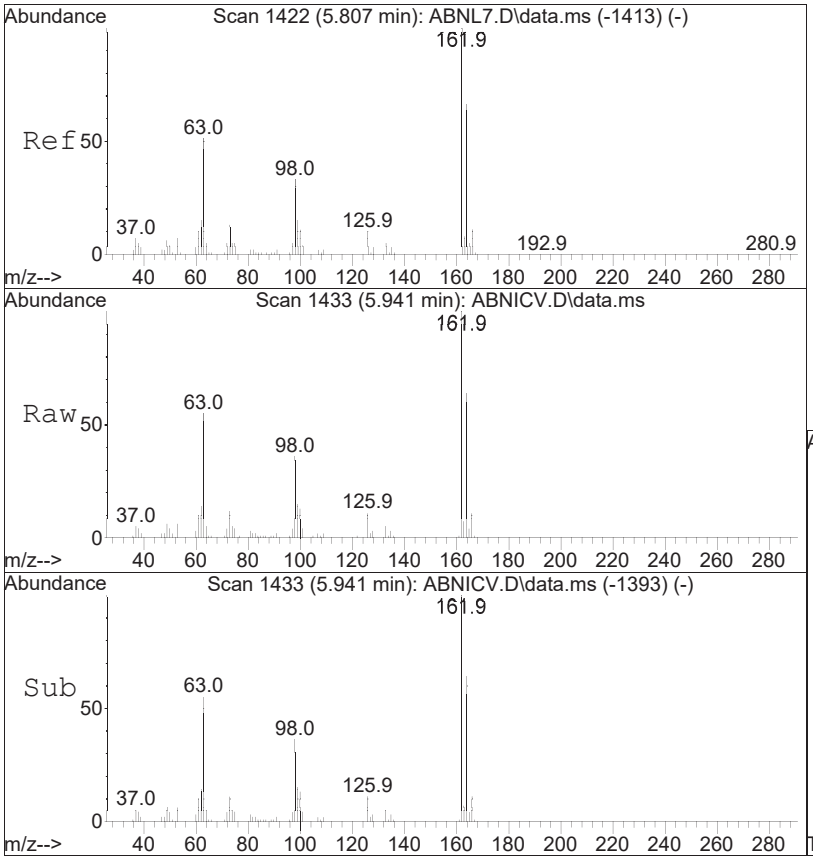


#24
Bis(2-chloroethoxy)methane
Concen: 47.56 ug/ml
RT: 5.860 min Scan# 1407
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion: 93 Resp: 209806

Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.6	40.0
123	14.0	11.0	16.4

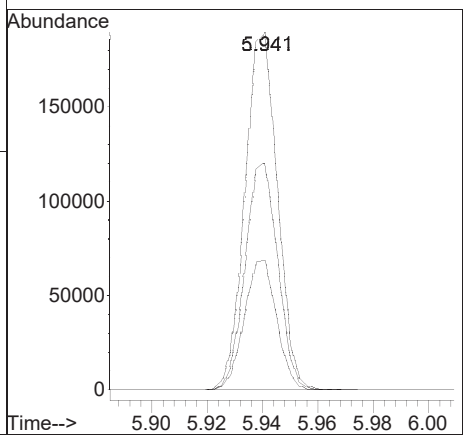


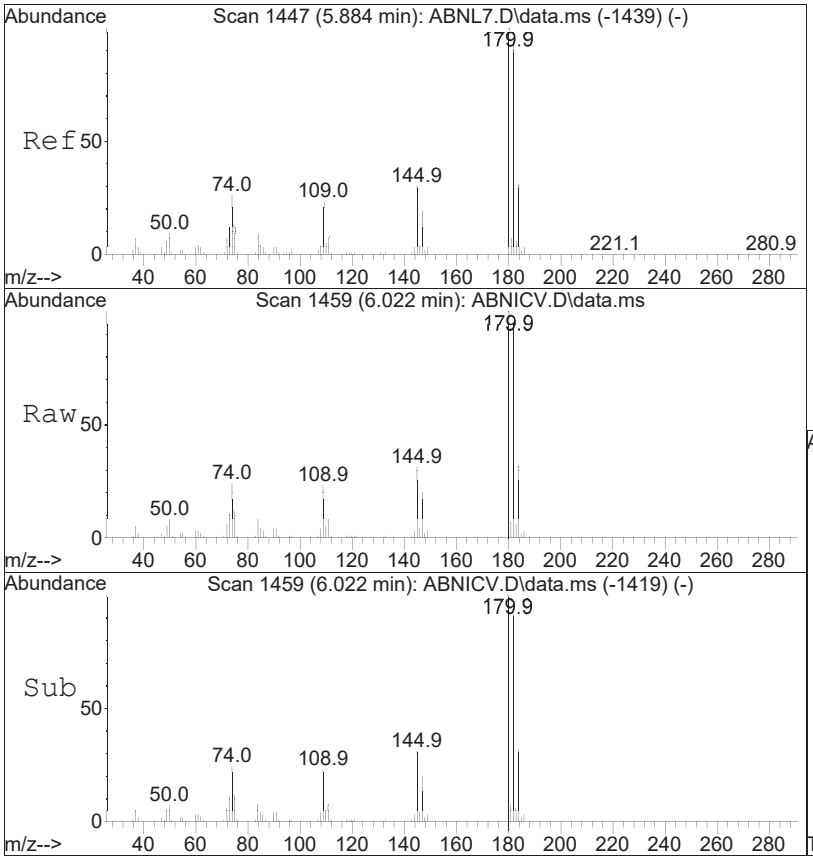


#25
2,4-Dichlorophenol
Concen: 49.46 ug/ml
RT: 5.941 min Scan# 1433
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:162 Resp: 153411

Ion	Ratio	Lower	Upper
162	100		
164	63.9	51.6	77.4
98	36.2	29.4	44.2

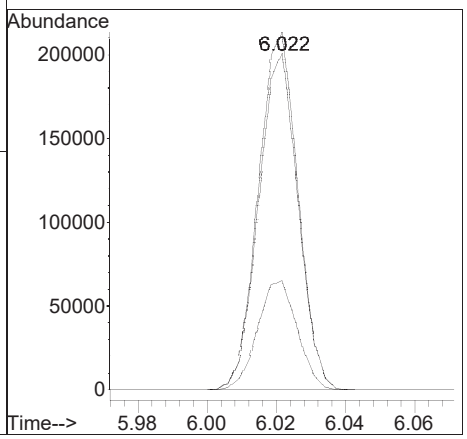


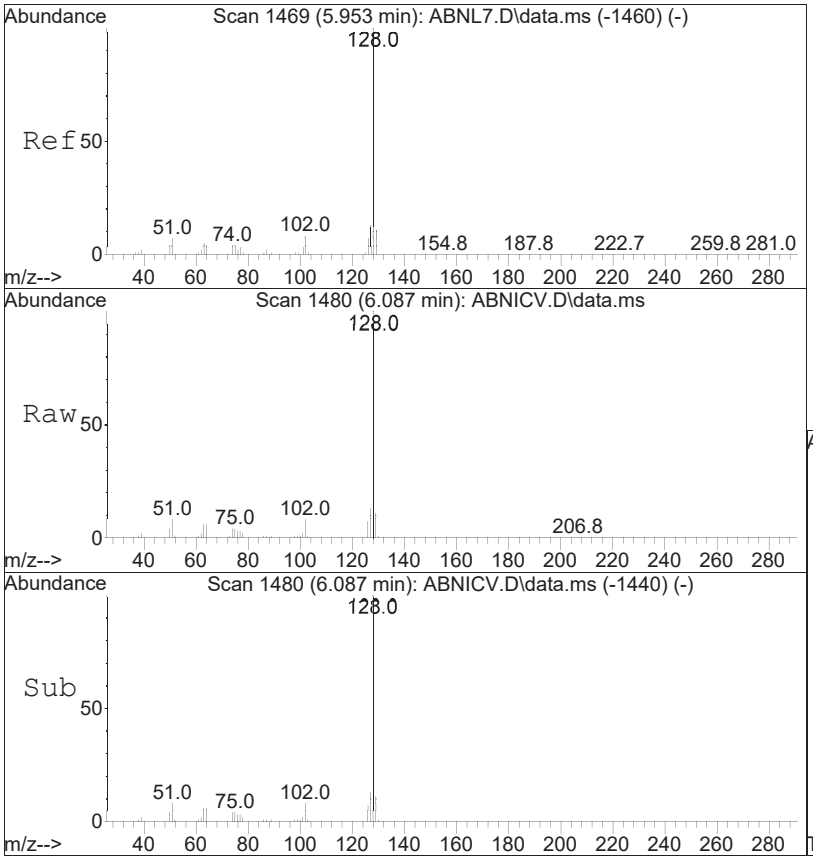


#26
1,2,4-Trichlorobenzene
Concen: 46.08 ug/ml
RT: 6.022 min Scan# 1459
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:180 Resp: 167616

Ion	Ratio	Lower	Upper
180	100		
182	93.9	77.0	115.6
145	31.0	25.2	37.8

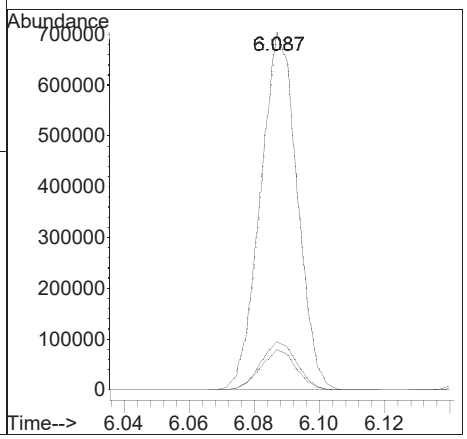


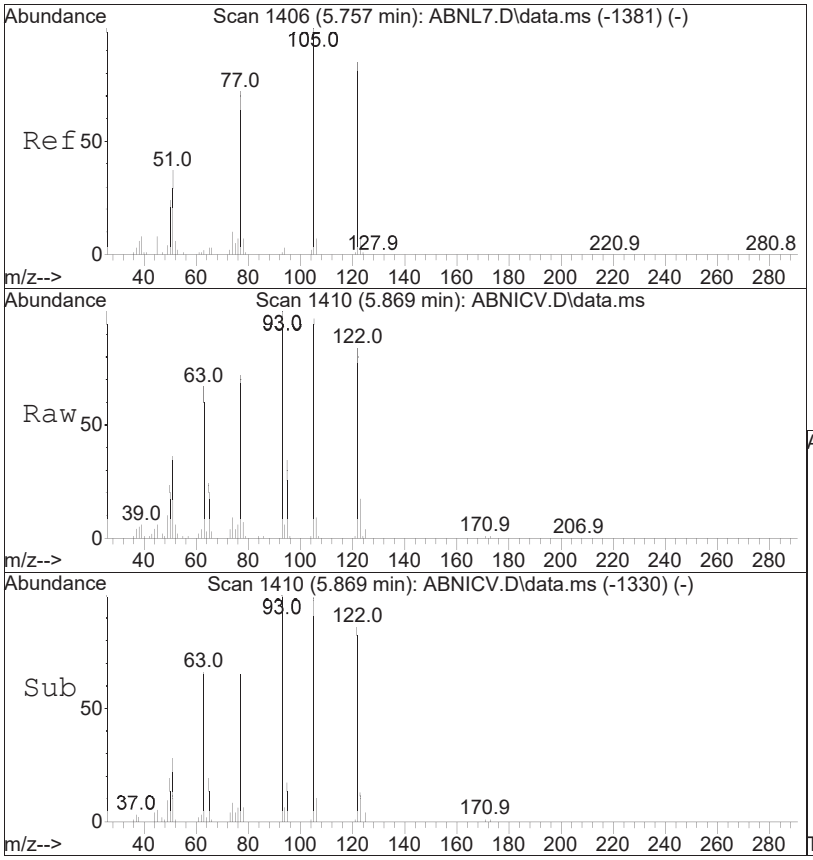


#36
Naphthalene
Concen: 45.79 ug/ml M3
RT: 6.087 min Scan# 1480
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:128 Resp: 544239

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.4	10.9	16.3

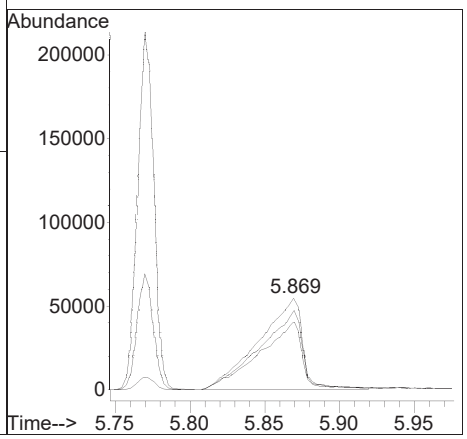


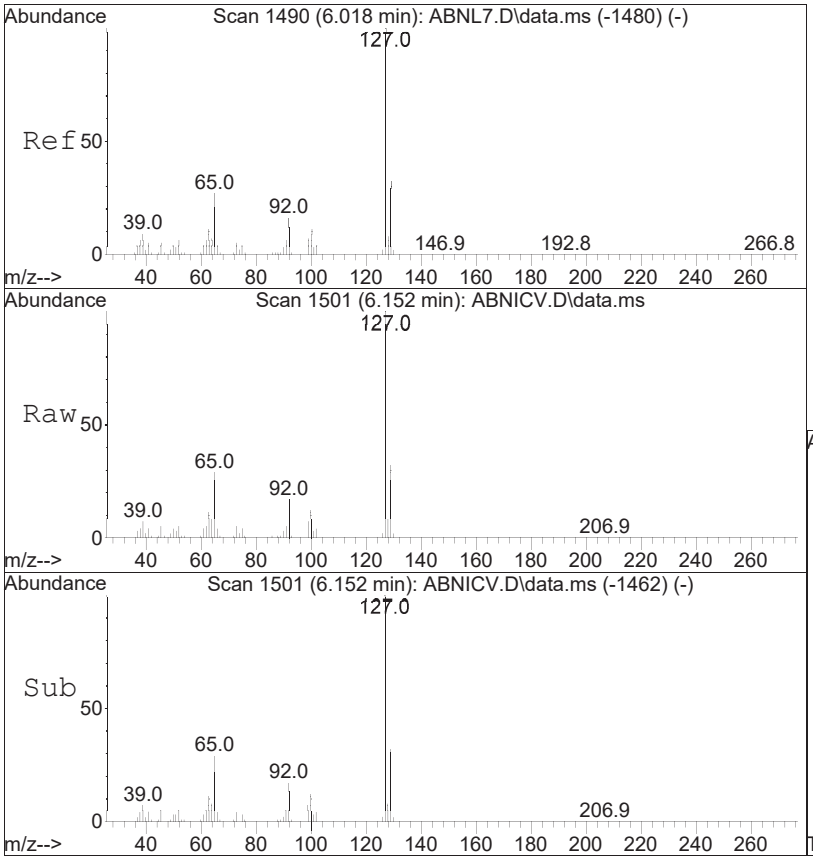


#37
Benzoic Acid
Concen: 41.94 ug/ml
RT: 5.869 min Scan# 1410
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:105 Resp: 112599

Ion	Ratio	Lower	Upper
105	100		
122	82.9	67.0	100.4
77	72.6	58.8	88.2

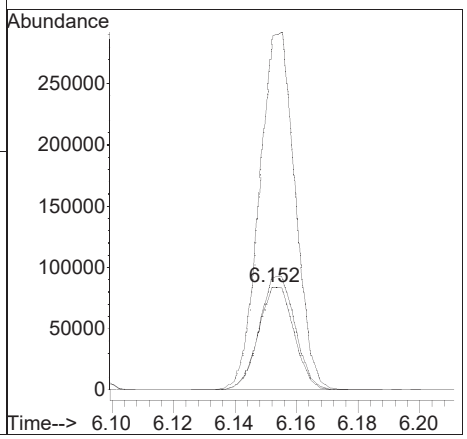


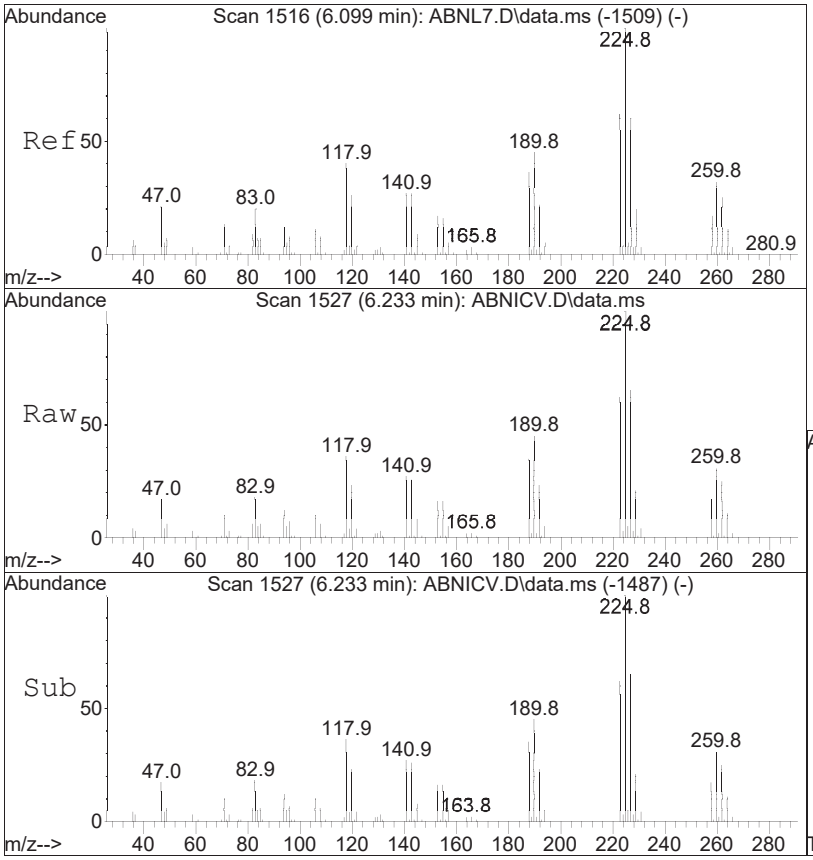


#38
4-Chloroaniline
Concen: 49.63 ug/ml
RT: 6.152 min Scan# 1501
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion: 65 Resp: 67627

Ion	Ratio	Lower	Upper
65	100		
127	344.3	274.4	411.6
129	110.1	88.2	132.4

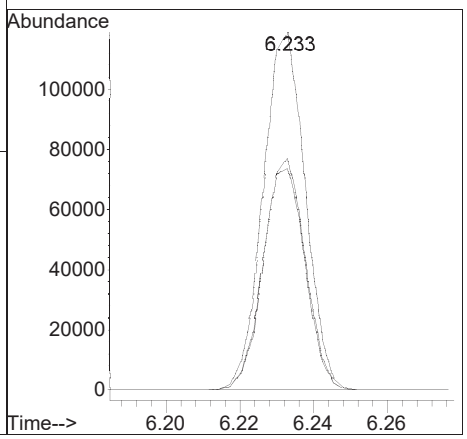


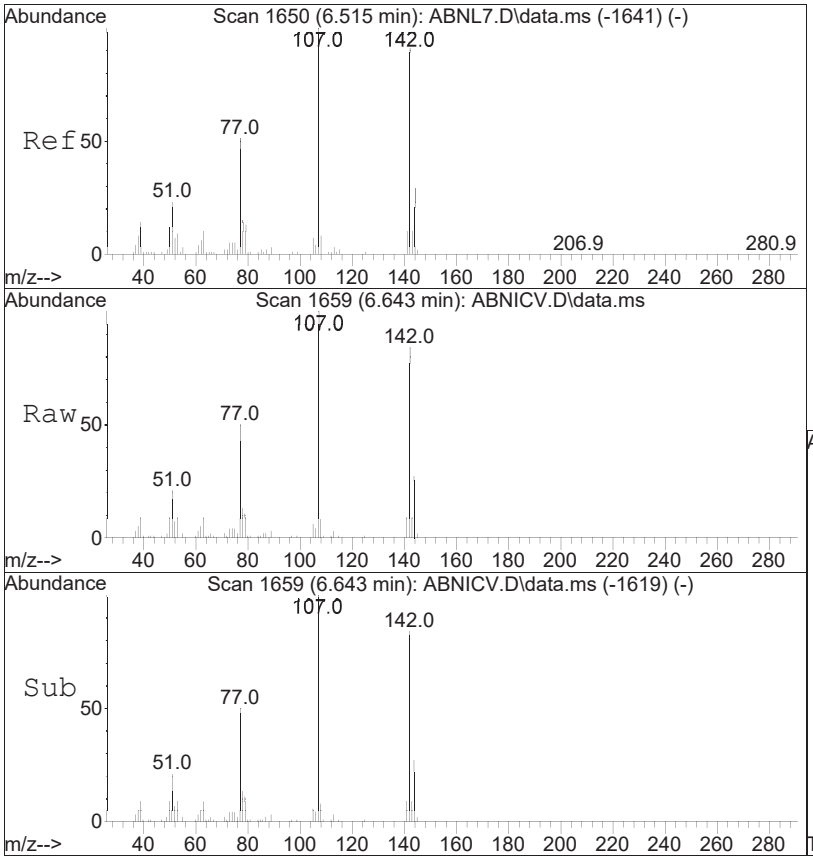


#39
Hexachlorobutadiene
Concen: 45.15 ug/ml
RT: 6.233 min Scan# 1527
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:225 Resp: 93927

Ion	Ratio	Lower	Upper
225	100		
223	62.4	49.3	73.9
227	64.7	51.1	76.7

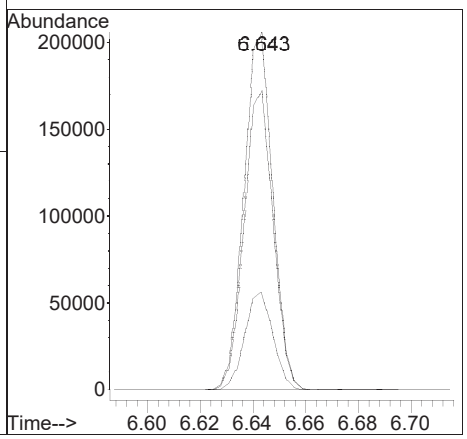


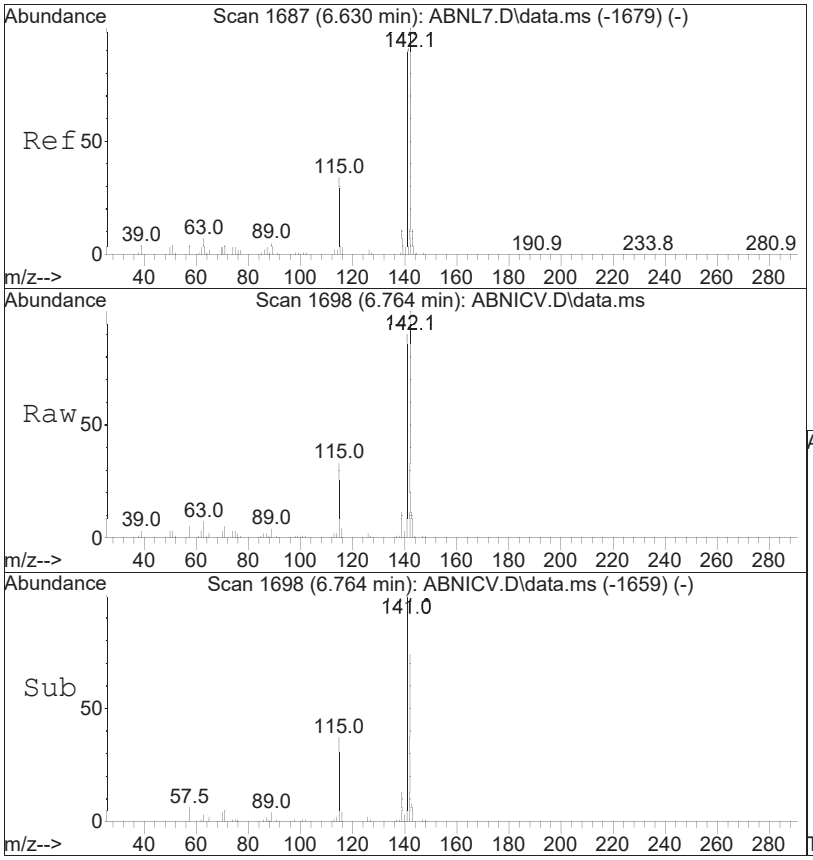


#40
p-Chloro-m-cresol
Concen: 48.54 ug/ml
RT: 6.643 min Scan# 1659
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:107 Resp: 155264

Ion	Ratio	Lower	Upper
107	100		
144	27.0	21.5	32.3
142	84.5	66.8	100.2

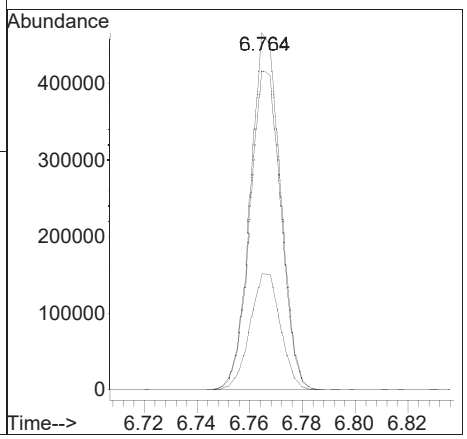


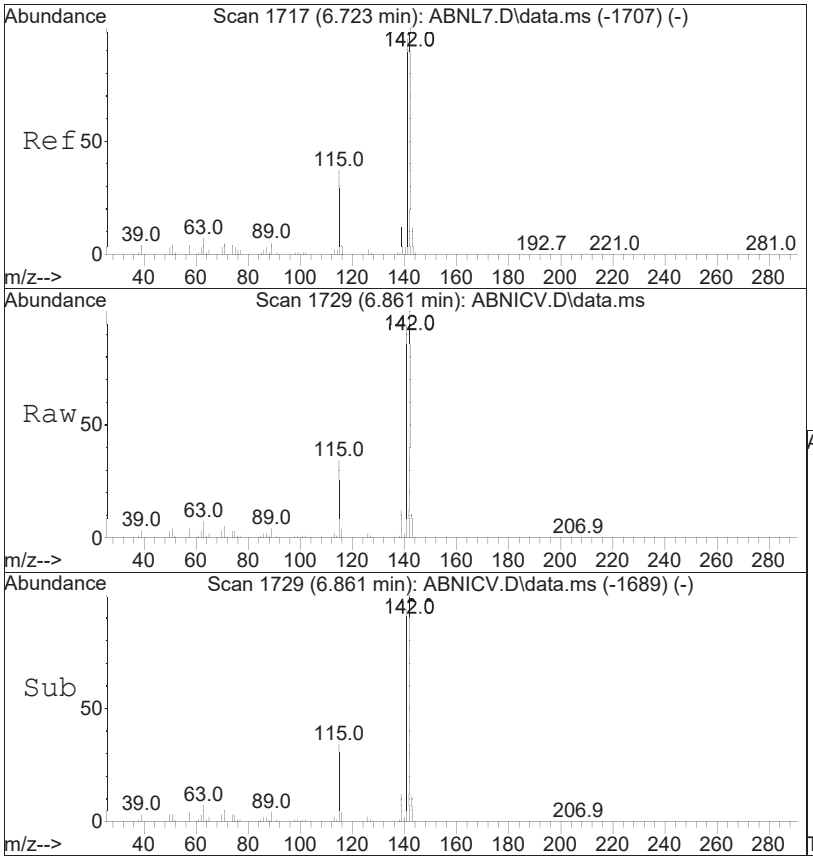


#41
2-Methylnaphthalene
Concen: 46.94 ug/ml
RT: 6.764 min Scan# 1698
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:142 Resp: 370569

Ion	Ratio	Lower	Upper
142	100		
141	91.0	73.0	109.6
115	32.9	25.4	38.2

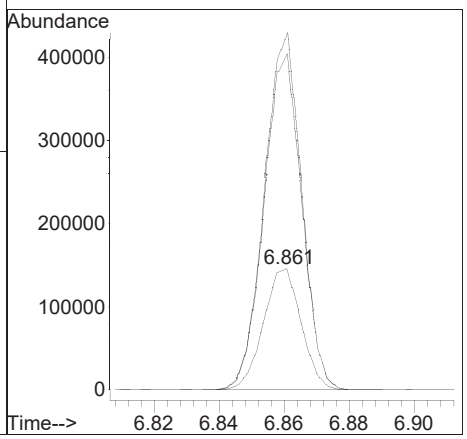


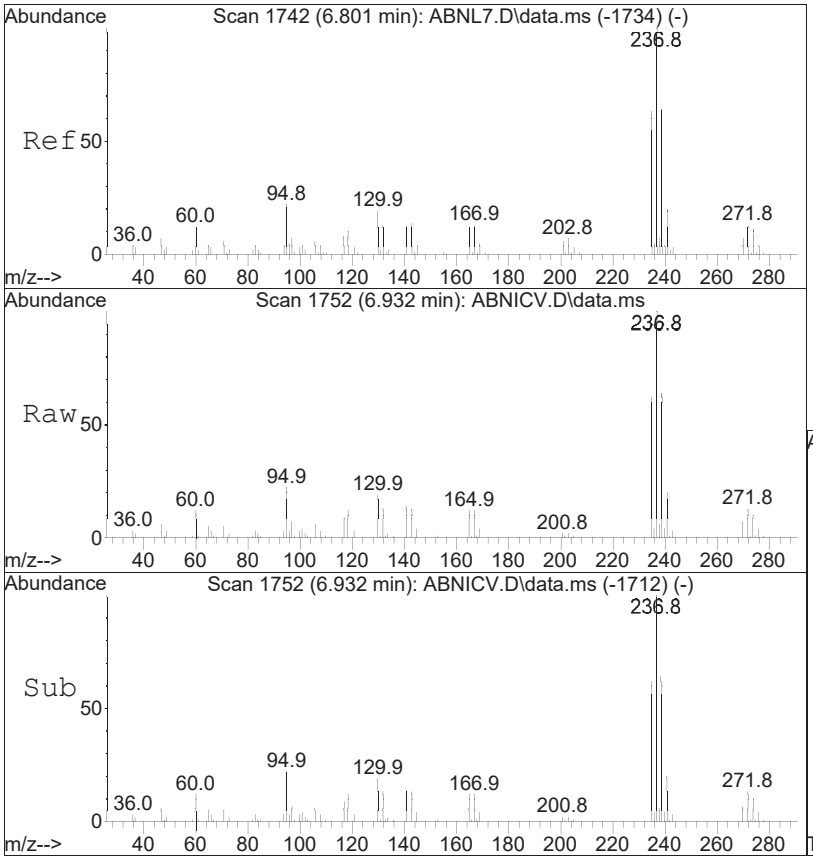


#42
1-Methylnaphthalene
Concen: 46.78 ug/ml
RT: 6.861 min Scan# 1729
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:115 Resp: 117578

Ion	Ratio	Lower	Upper
115	100		
141	276.0	226.0	339.0
142	290.5	237.6	356.4

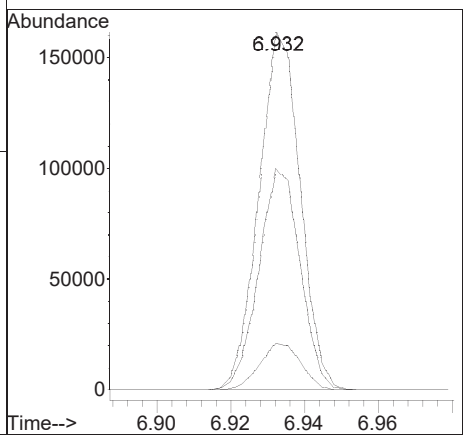


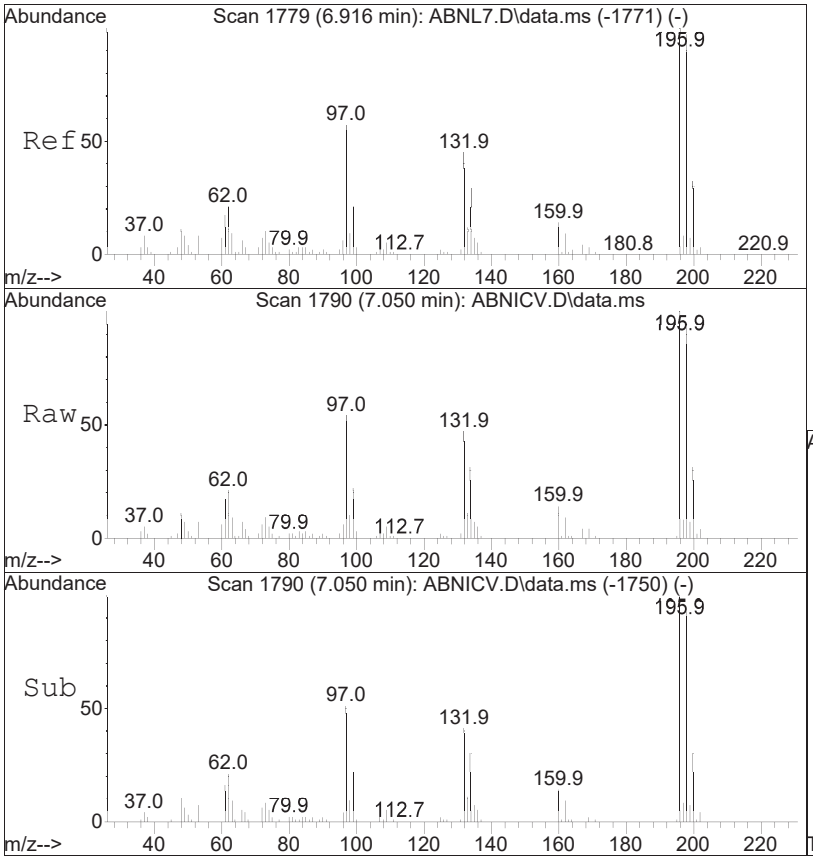


#43
Hexachlorocyclopentadiene
Concen: 46.97 ug/ml
RT: 6.932 min Scan# 1752
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:237 Resp: 124699

Ion	Ratio	Lower	Upper
237	100		
235	62.0	49.5	74.3
272	13.1	10.2	15.4

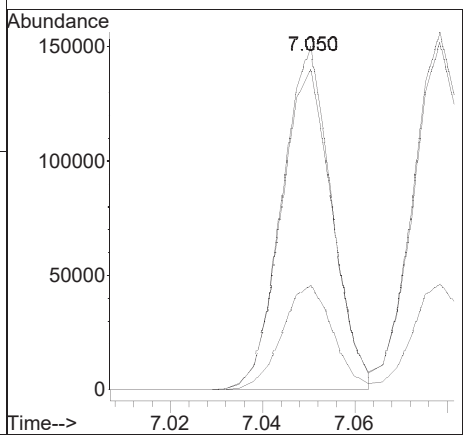


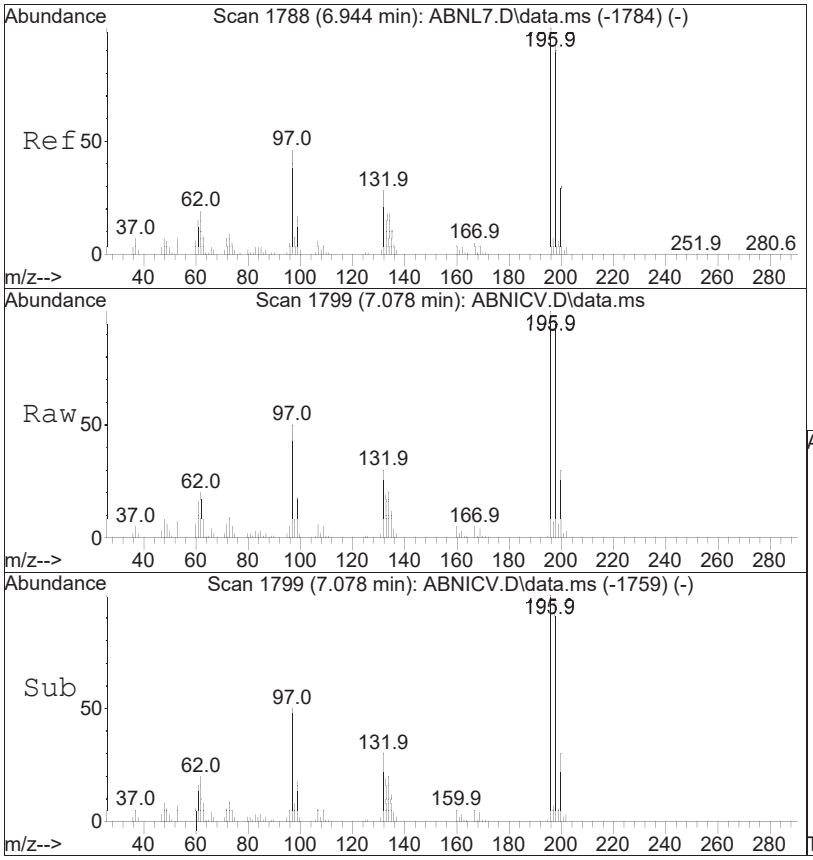


#44
2,4,6-Trichlorophenol
Concen: 49.17 ug/ml
RT: 7.050 min Scan# 1790
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:196 Resp: 112510

Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.4	114.6
200	31.1	24.4	36.6

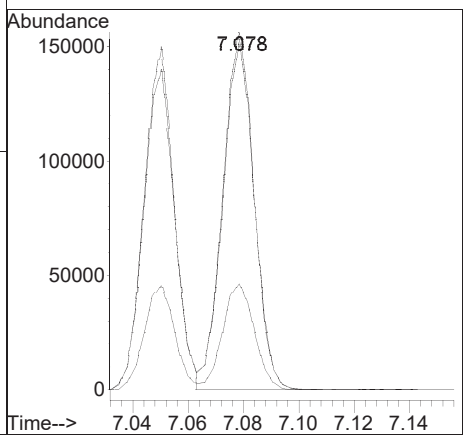


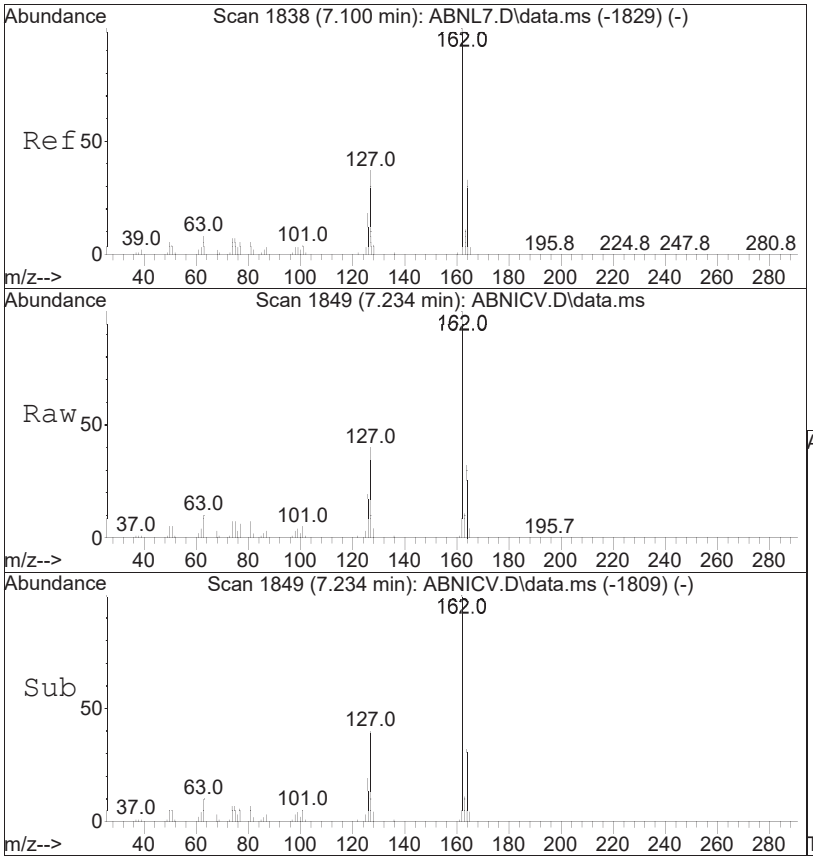


#45
2,4,5-Trichlorophenol
Concen: 48.91 ug/ml
RT: 7.078 min Scan# 1799
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:196 Resp: 122777

Ion	Ratio	Lower	Upper
196	100		
200	30.2	25.2	37.8
198	97.0	77.7	116.5

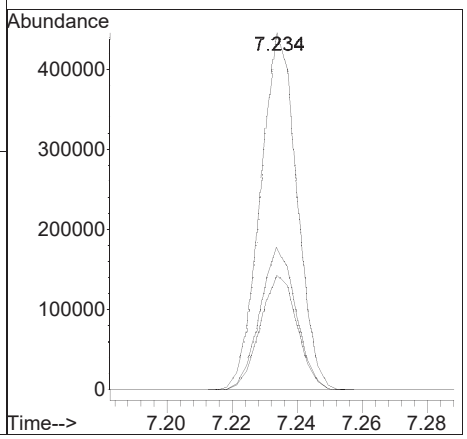


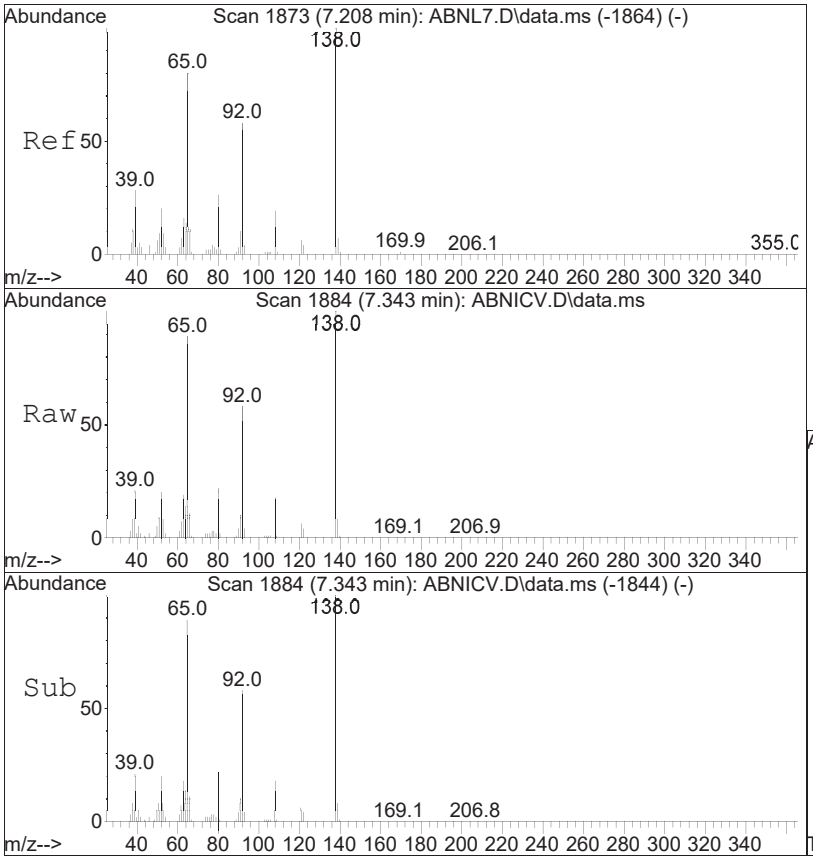


#47
2-Chloronaphthalene
Concen: 45.82 ug/ml
RT: 7.234 min Scan# 1849
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:162 Resp: 344593

Ion	Ratio	Lower	Upper
162	100		
127	39.3	31.7	47.5
164	32.7	26.2	39.4

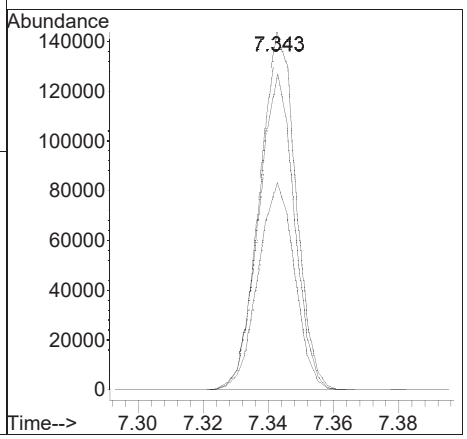


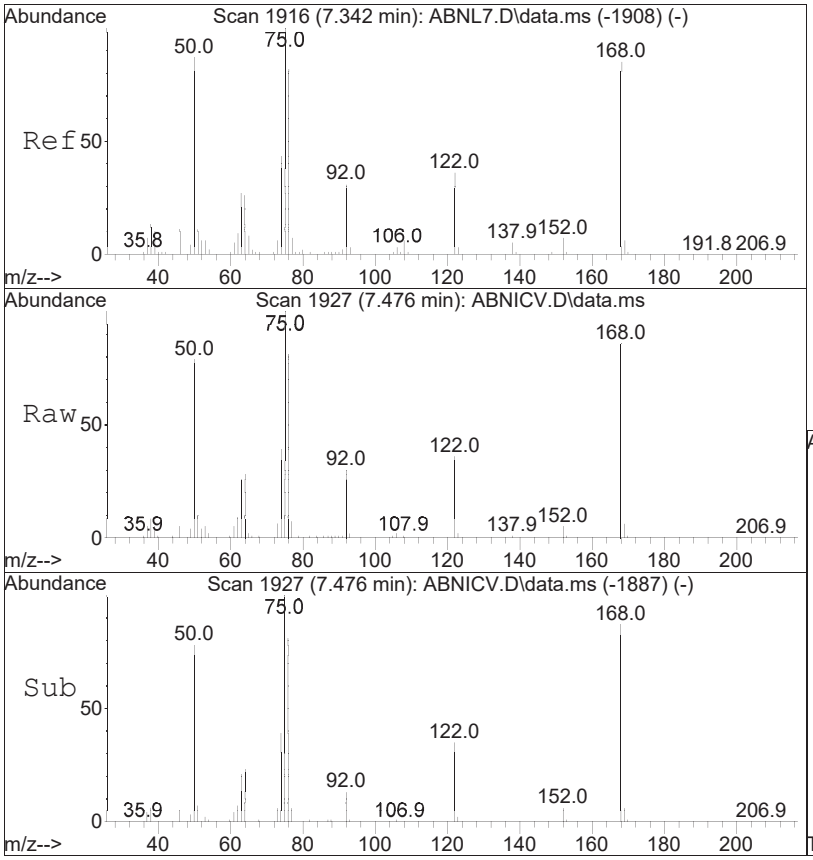


#48
2-Nitroaniline
Concen: 51.16 ug/ml
RT: 7.343 min Scan# 1884
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:138 Resp: 110061

Ion	Ratio	Lower	Upper
138	100		
92	58.6	48.0	72.0
65	87.3	72.8	109.2

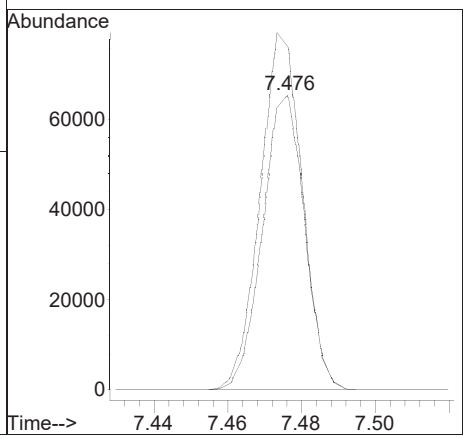


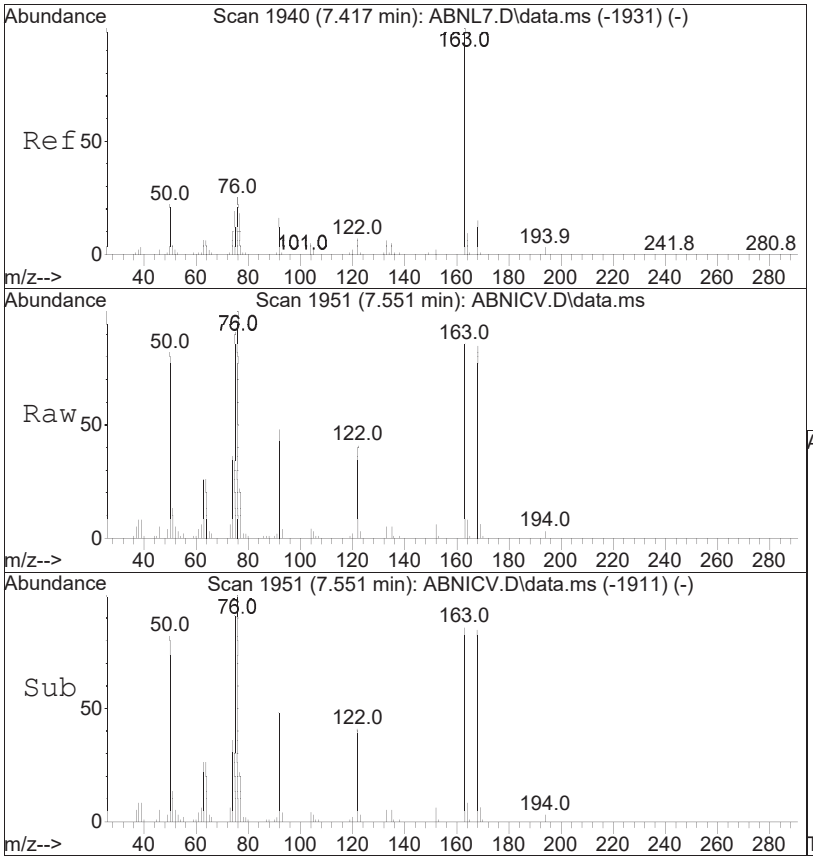


#49
1,4-Dinitrobenzene
Concen: 50.97 ug/ml
RT: 7.476 min Scan# 1927
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:168 Resp: 51684

Ion	Ratio	Lower	Upper
168	100		
75	121.4	107.2	160.8

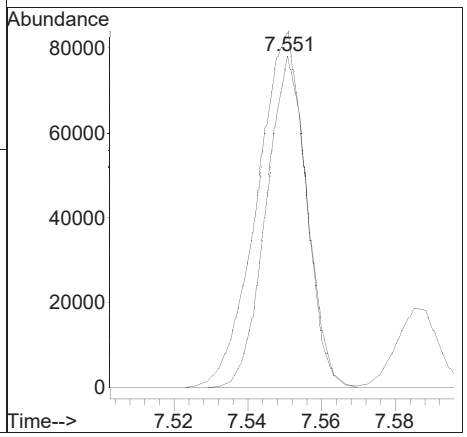


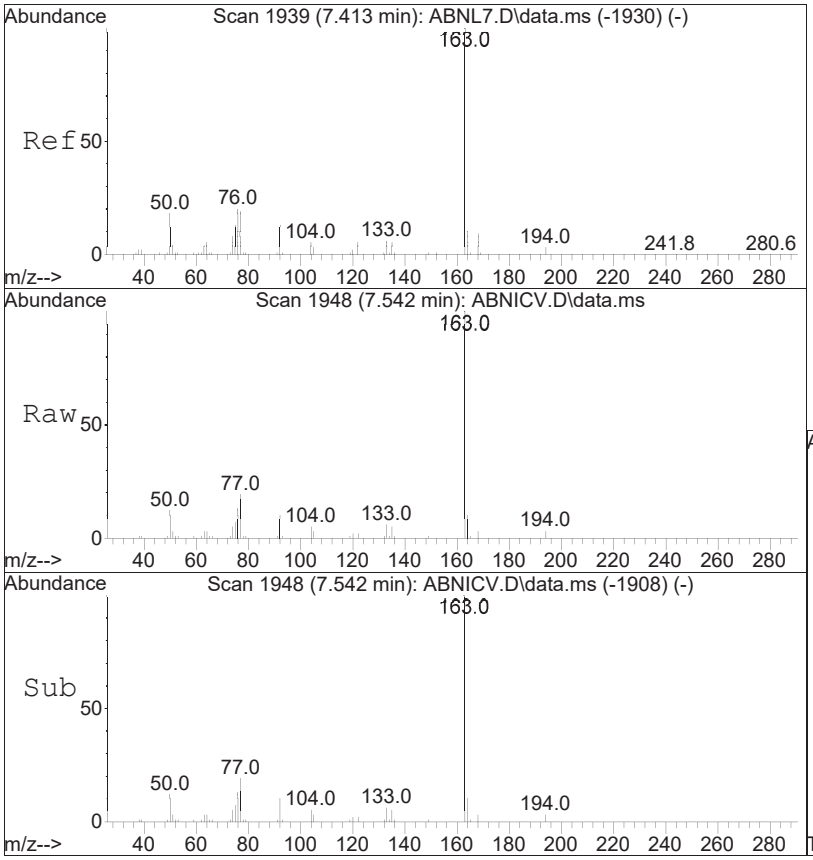


#50
1,3-Dinitrobenzene
Concen: 51.26 ug/ml
RT: 7.551 min Scan# 1951
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:168 Resp: 60501

Ion	Ratio	Lower	Upper
168	100		
75	126.3	112.2	168.2

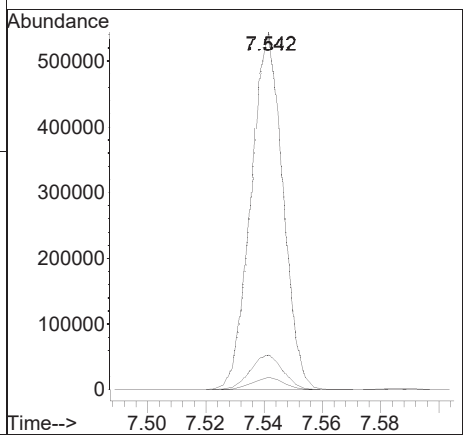


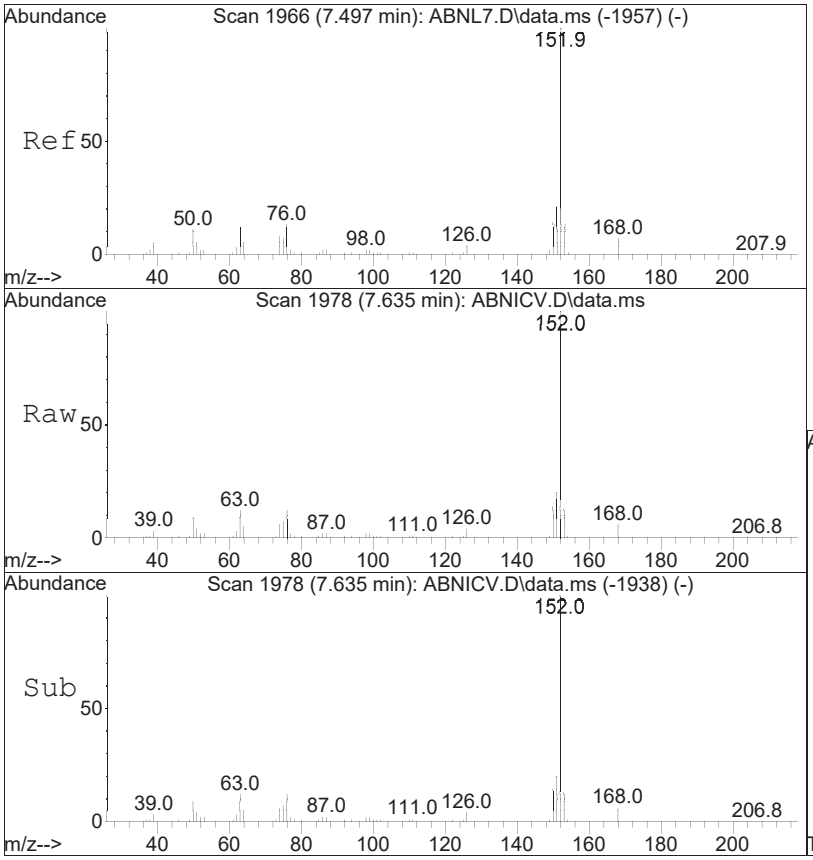


#51
Dimethyl phthalate
Concen: 48.56 ug/ml
RT: 7.542 min Scan# 1948
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:163 Resp: 408498

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.4	3.6
164	10.0	8.1	12.1

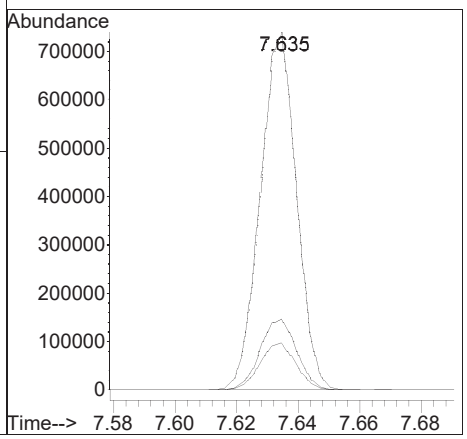


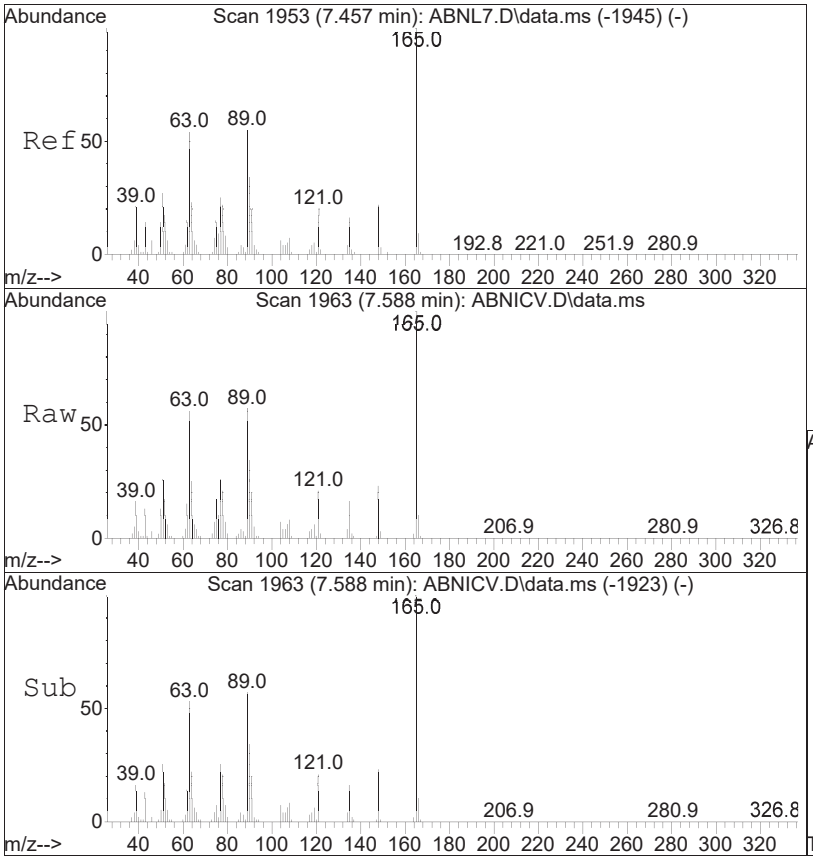


#52
Acenaphthylene
Concen: 48.51 ug/ml
RT: 7.635 min Scan# 1978
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:152 Resp: 597241

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.6	24.8
153	13.2	10.5	15.7

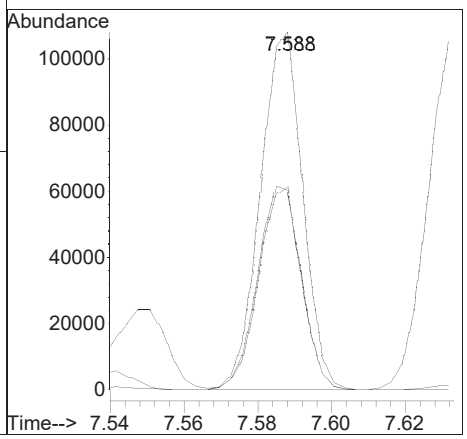


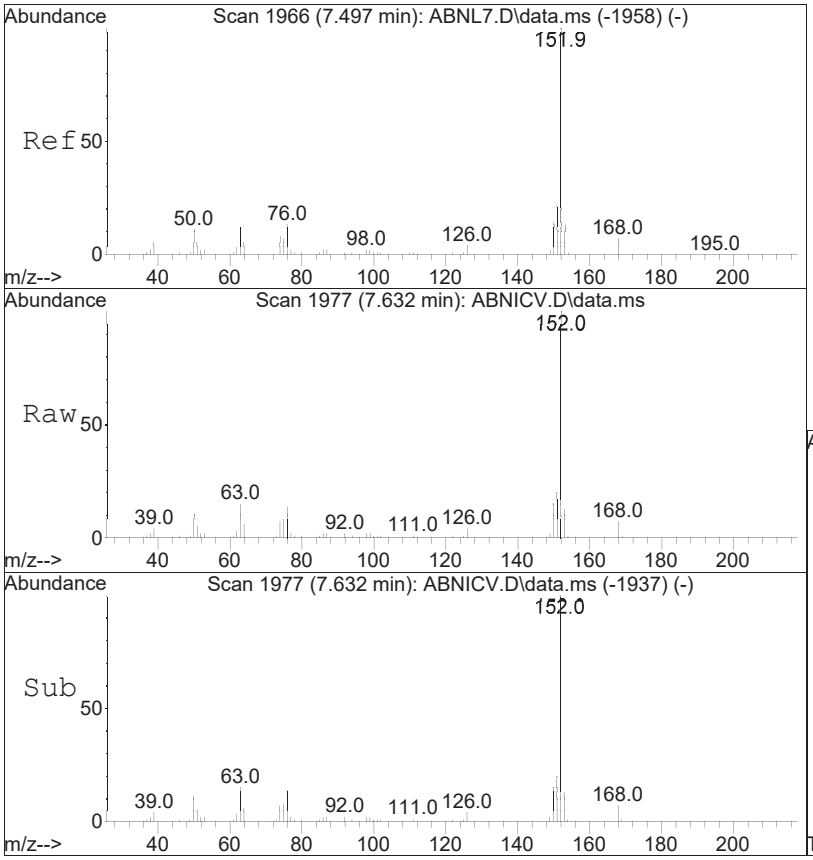


#53
2,6-Dinitrotoluene
Concen: 51.94 ug/ml
RT: 7.588 min Scan# 1963
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:165 Resp: 86215

Ion	Ratio	Lower	Upper
165	100		
89	56.8	44.7	67.1
63	58.7	48.2	72.4

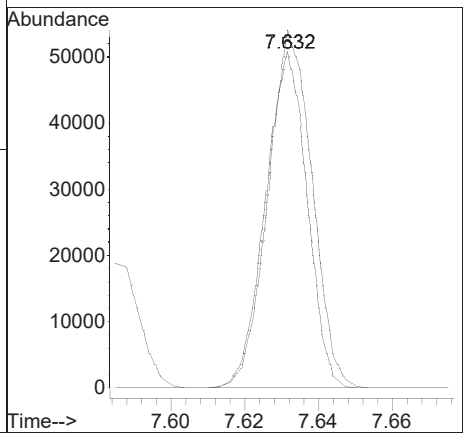


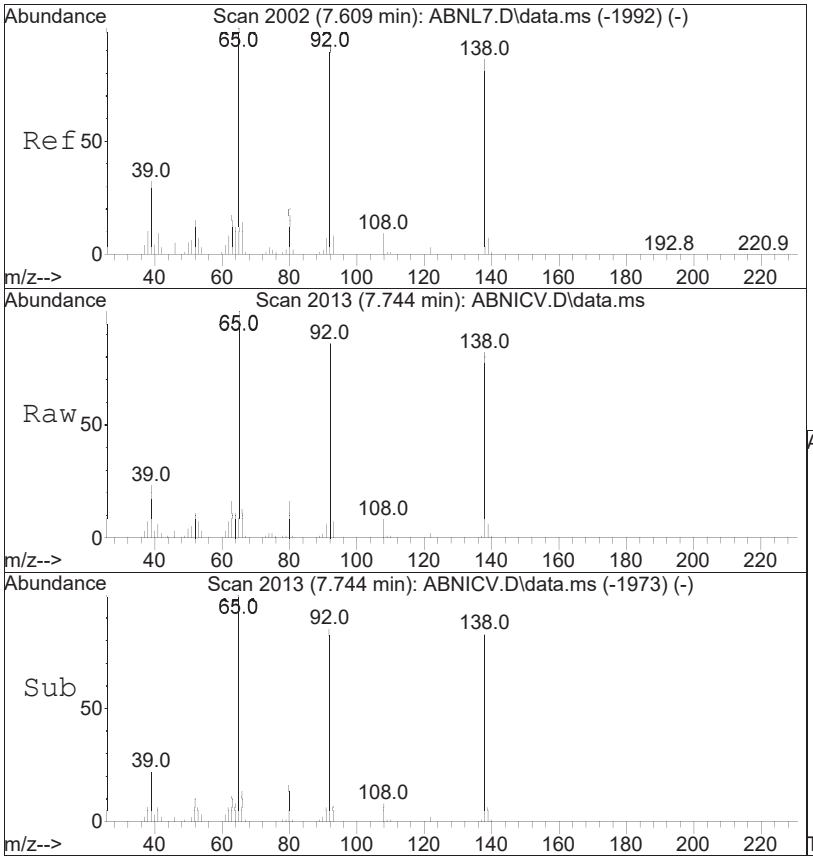


#54
1,2-Dinitrobenzene
Concen: 51.17 ug/ml
RT: 7.632 min Scan# 1977
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:168 Resp: 39612

Ion	Ratio	Lower	Upper
168	100		
75	112.3	104.8	157.2

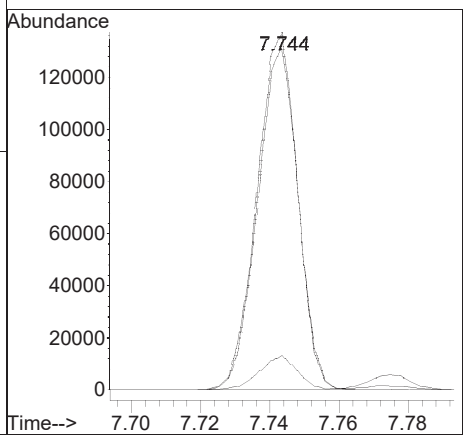


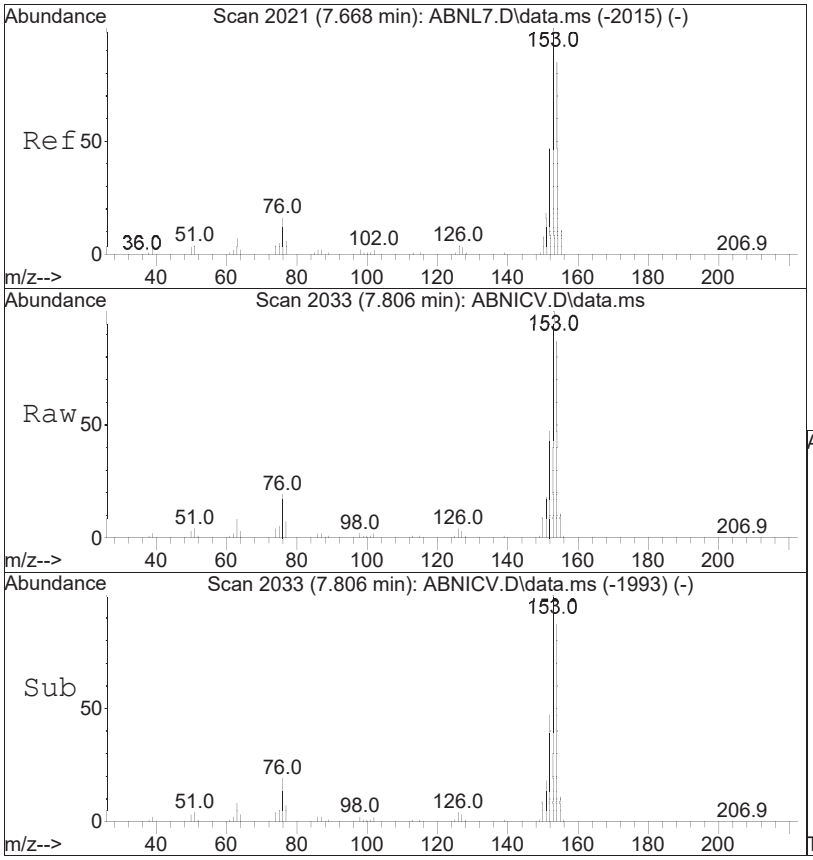


#64
3-Nitroaniline
Concen: 51.53 ug/ml
RT: 7.744 min Scan# 2013
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:138 Resp: 105572

Ion	Ratio	Lower	Upper
138	100		
92	104.3	86.4	129.6
108	9.5	9.4	14.0

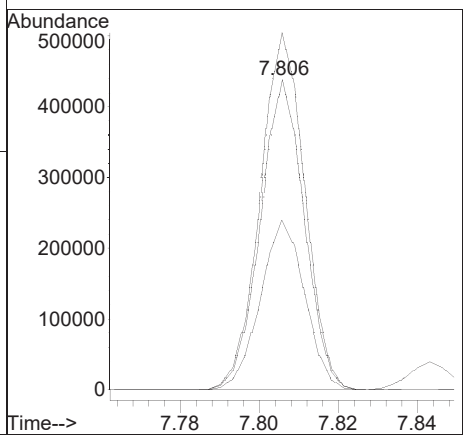


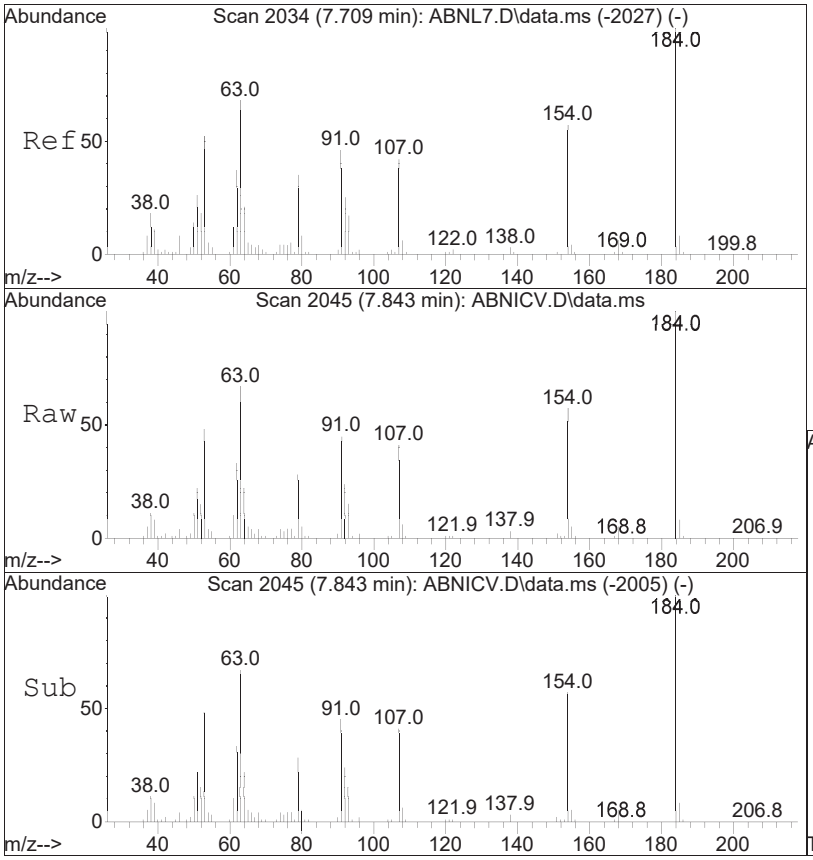


#65
Acenaphthene
Concen: 45.78 ug/ml
RT: 7.806 min Scan# 2033
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:154 Resp: 336624

Ion	Ratio	Lower	Upper
154	100		
153	117.2	94.2	141.2
152	55.7	44.1	66.1

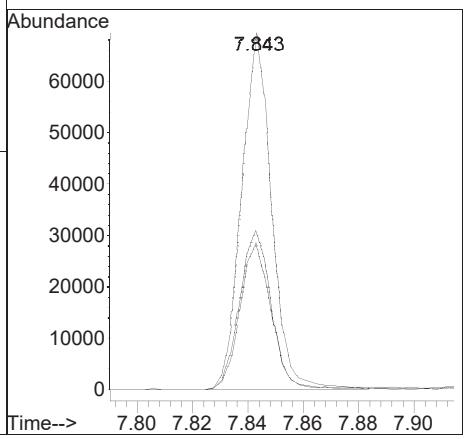


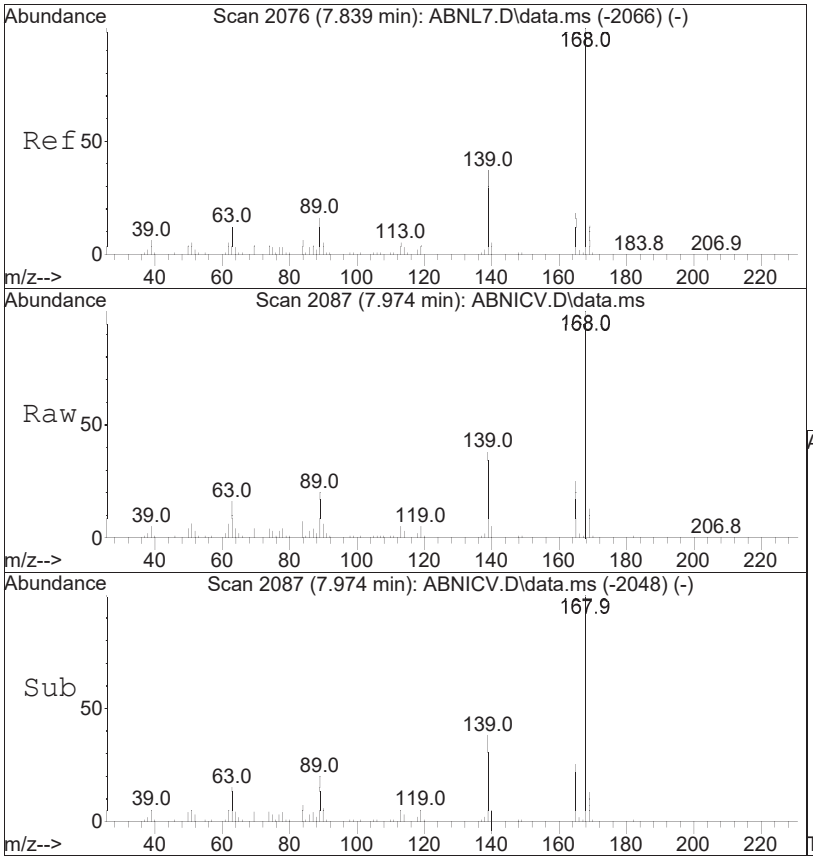


#66
2,4-Dinitrophenol
Concen: 42.50 ug/ml
RT: 7.843 min Scan# 2045
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:184 Resp: 52083

Ion	Ratio	Lower	Upper
184	100		
107	42.9	37.3	55.9
91	47.3	43.8	65.6

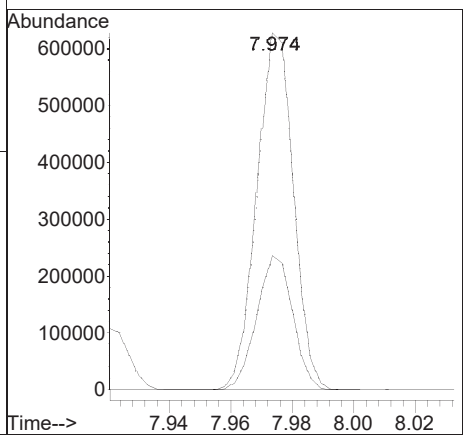


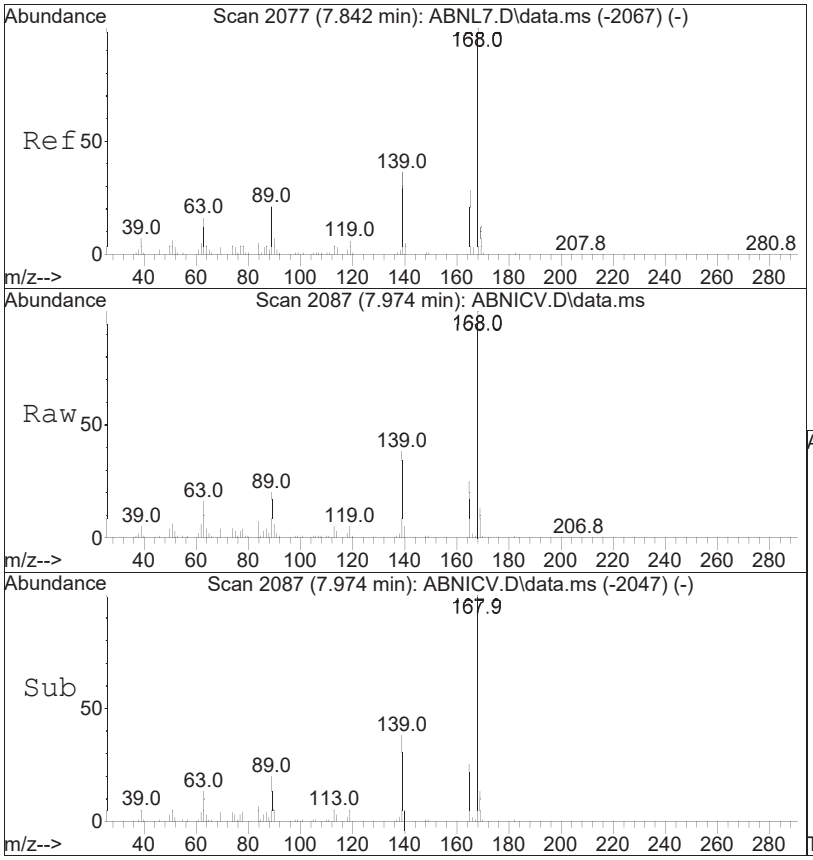


#67
Dibenzofuran
Concen: 45.64 ug/ml
RT: 7.974 min Scan# 2087
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:168 Resp: 516137

Ion	Ratio	Lower	Upper
168	100		
139	37.2	30.4	45.6

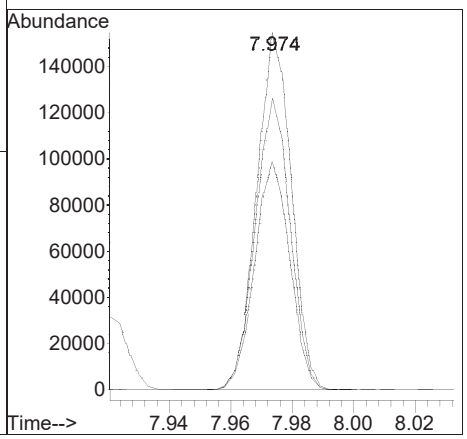


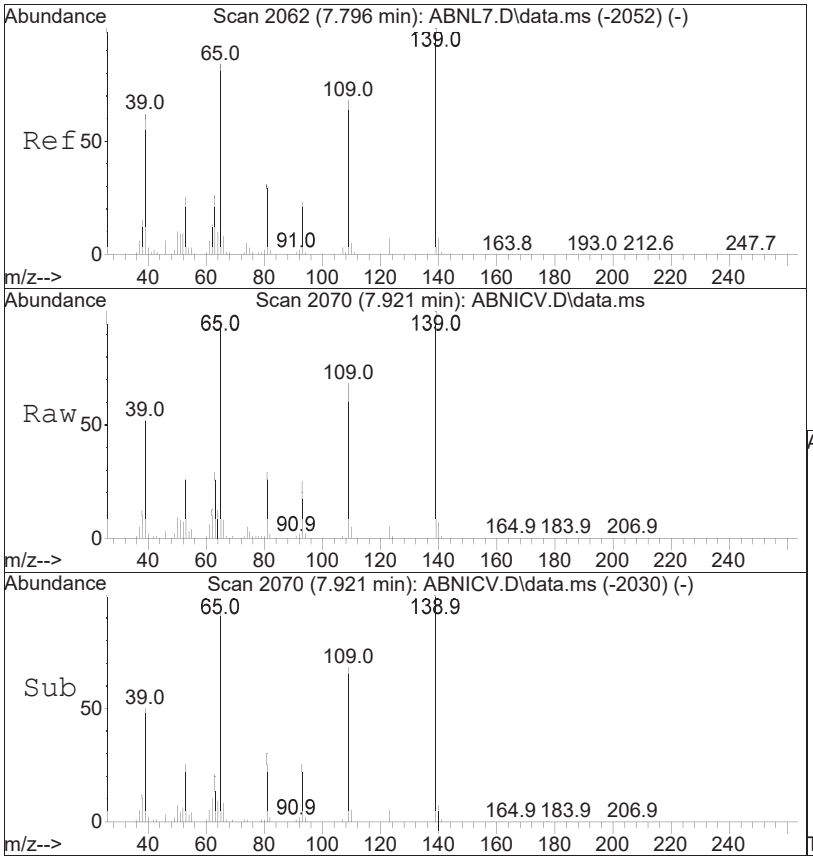


#68
2,4-Dinitrotoluene
Concen: 51.79 ug/ml
RT: 7.974 min Scan# 2087
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:165 Resp: 120652

Ion	Ratio	Lower	Upper
165	100		
89	82.0	69.8	104.8
63	65.2	59.2	88.8

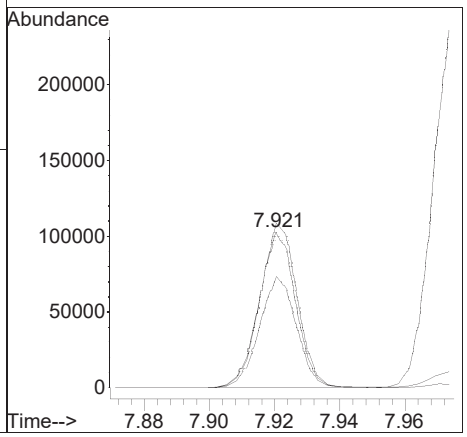


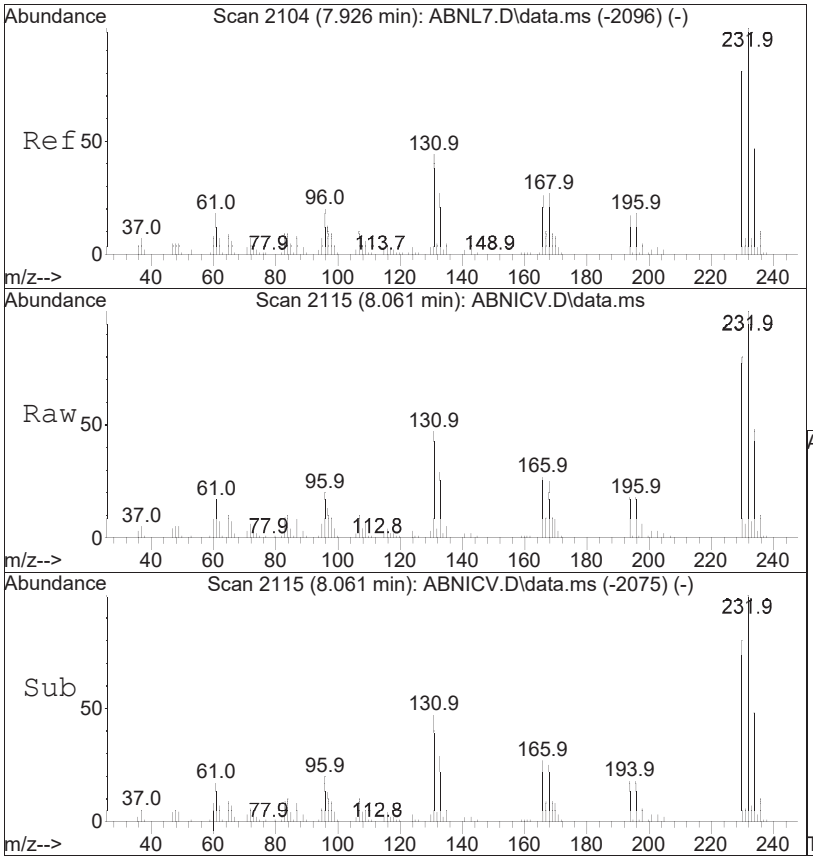


#69
4-Nitrophenol
Concen: 53.76 ug/ml
RT: 7.921 min Scan# 2070
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion: 65 Resp: 80647

Ion	Ratio	Lower	Upper
65	100		
109	71.7	52.8	79.2
139	106.3	84.1	126.1

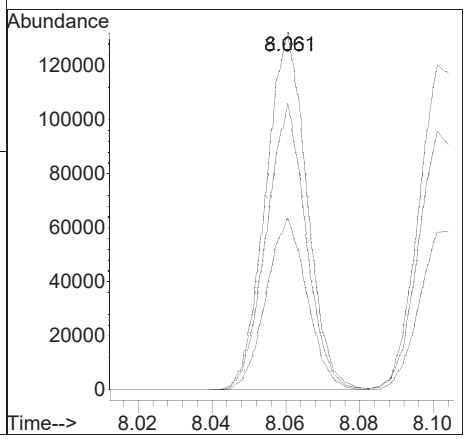


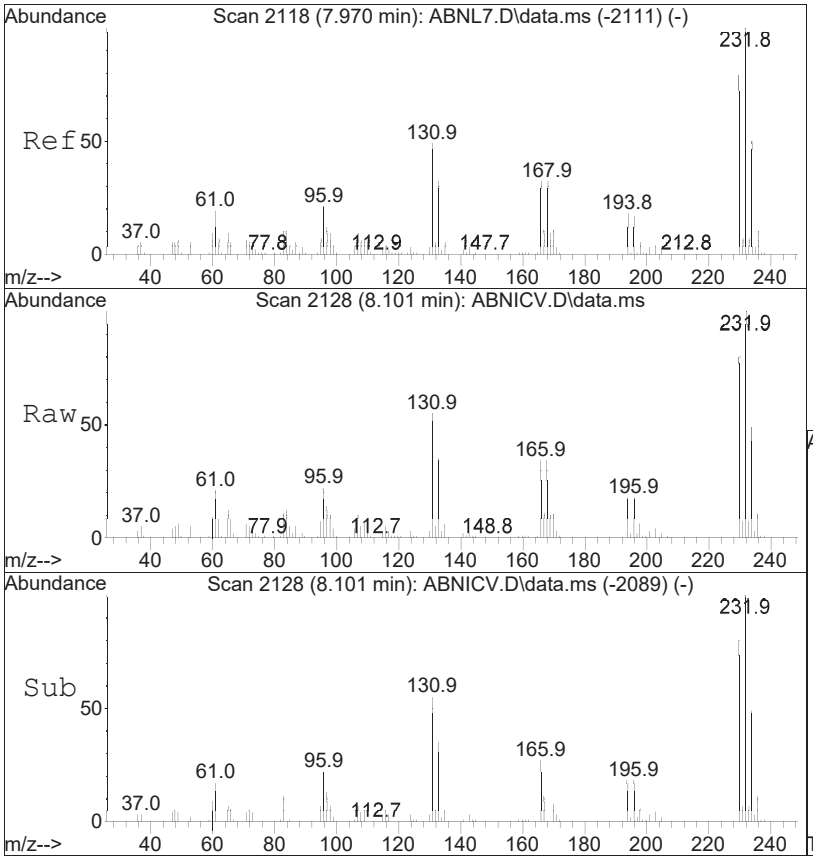


#70
2,3,5,6-Tetrachlorophenol
Concen: 49.27 ug/ml
RT: 8.061 min Scan# 2115
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:232 Resp: 102776

Ion	Ratio	Lower	Upper
232	100		
230	77.5	63.4	95.0
234	47.8	38.0	57.0

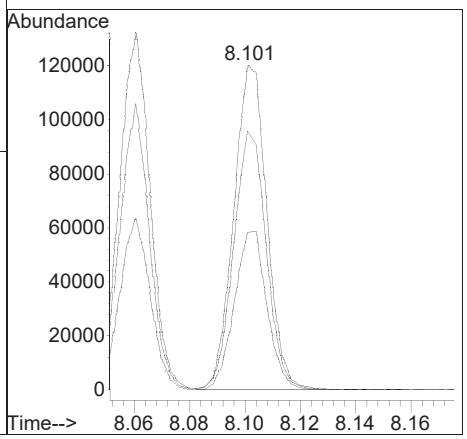


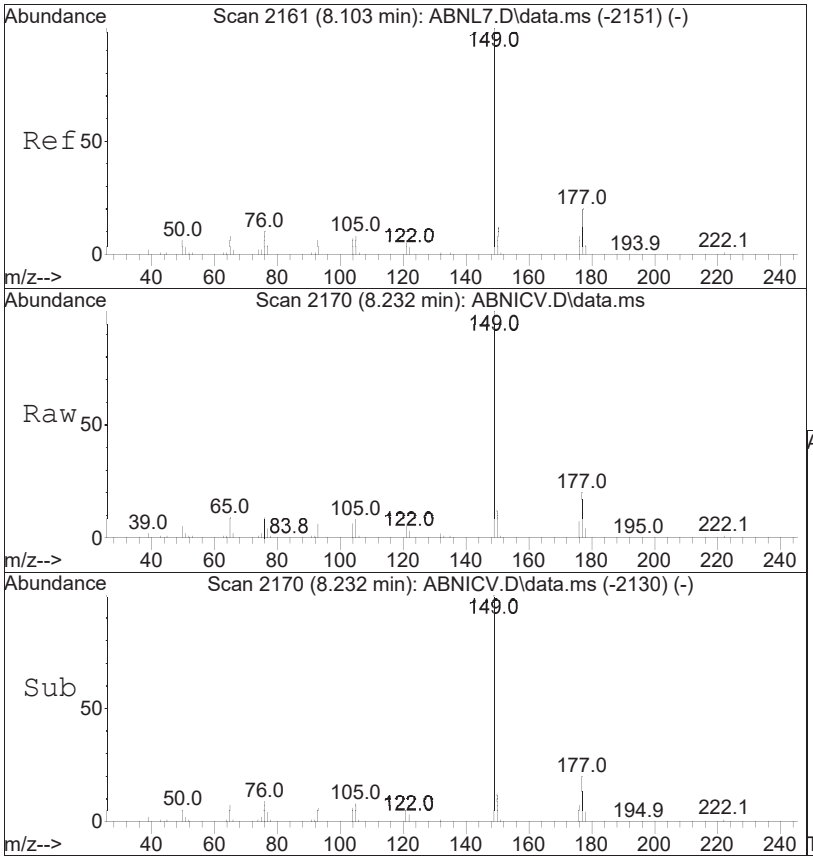


#71
2,3,4,6-Tetrachlorophenol
Concen: 48.96 ug/ml
RT: 8.101 min Scan# 2128
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:232 Resp: 99899

Ion	Ratio	Lower	Upper
232	100		
230	79.3	62.8	94.2
234	48.7	38.3	57.5

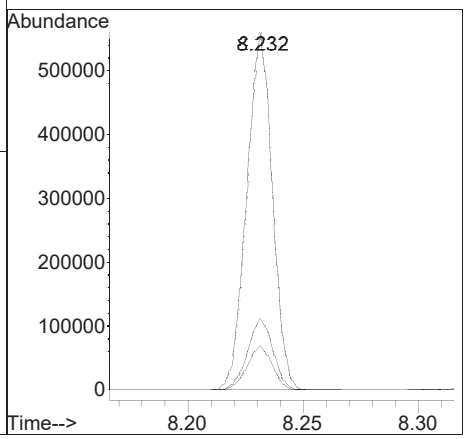


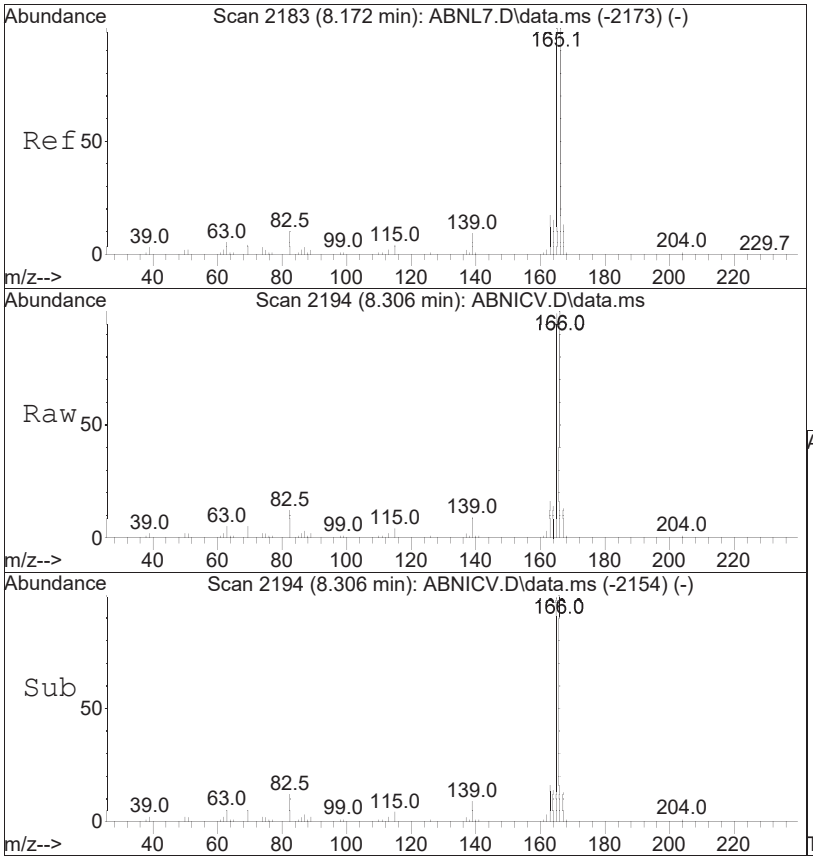


#72
Diethyl phthalate
Concen: 49.26 ug/ml
RT: 8.232 min Scan# 2170
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:149 Resp: 427313

Ion	Ratio	Lower	Upper
149	100		
177	19.9	15.6	23.4
150	12.2	9.6	14.4

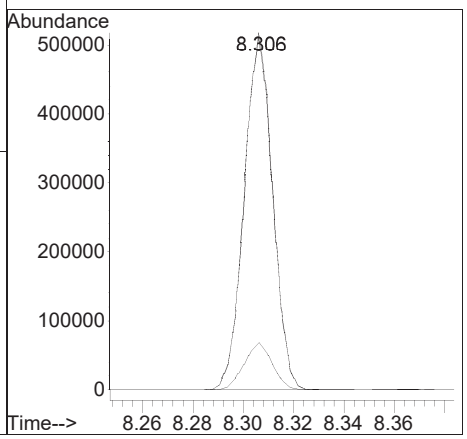


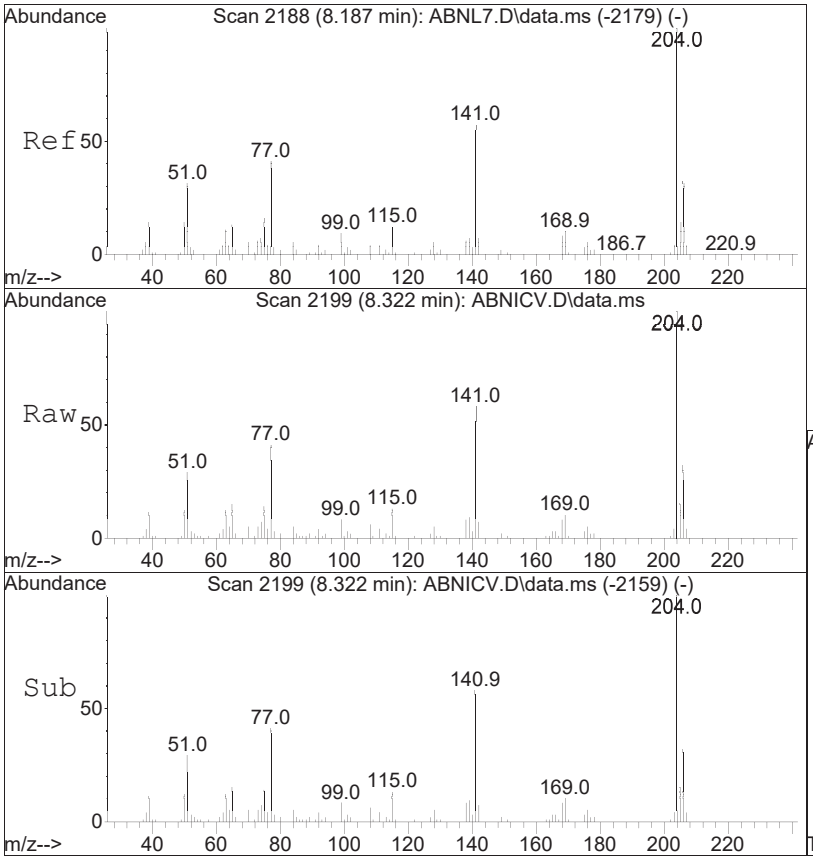


#73
Fluorene
Concen: 46.63 ug/ml
RT: 8.306 min Scan# 2194
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:166 Resp: 406783

Ion	Ratio	Lower	Upper
166	100		
165	98.9	80.4	120.6
167	13.4	10.7	16.1

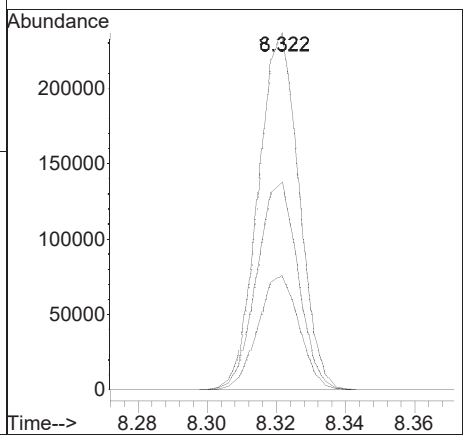


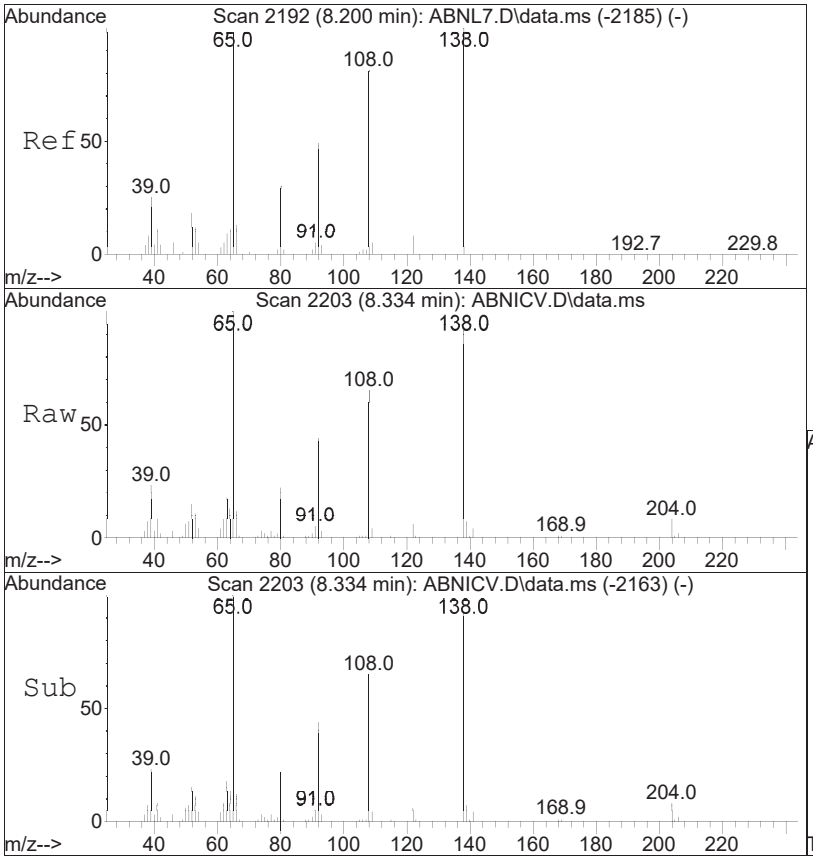


#74
4-Chlorophenyl phenyl ether
Concen: 45.59 ug/ml
RT: 8.322 min Scan# 2199
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:204 Resp: 192276

Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.0	39.0
141	58.8	48.5	72.7

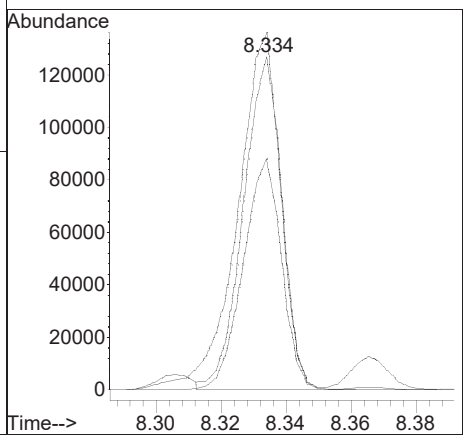


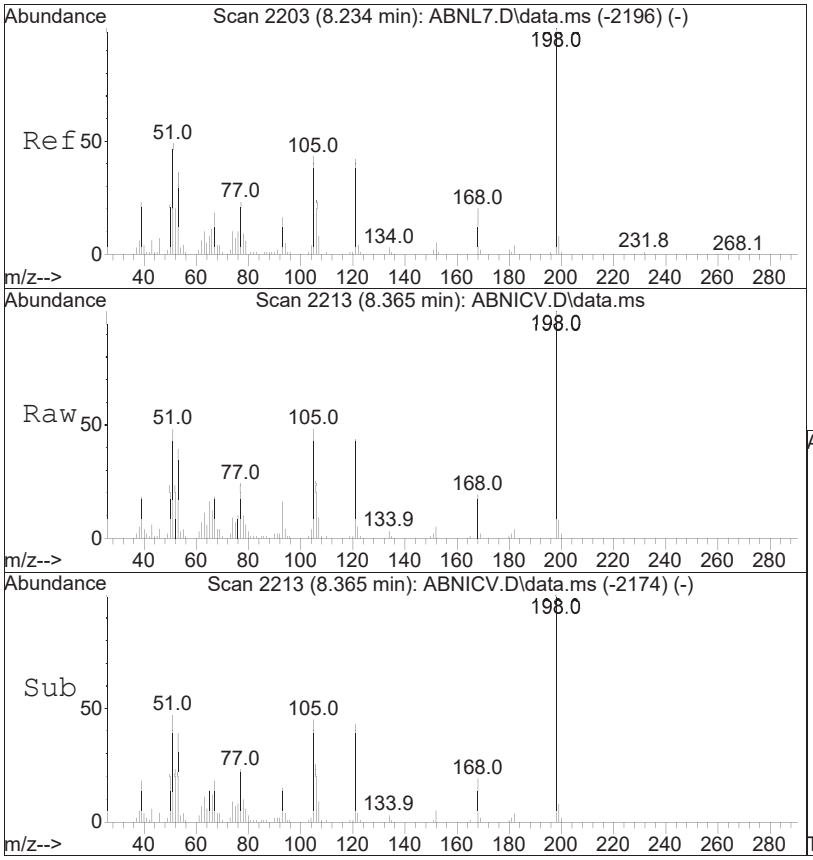


#75
4-Nitroaniline
Concen: 52.32 ug/ml
RT: 8.334 min Scan# 2203
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:138 Resp: 103651

Ion	Ratio	Lower	Upper
138	100		
108	69.2	54.4	81.6
65	119.6	100.1	150.1

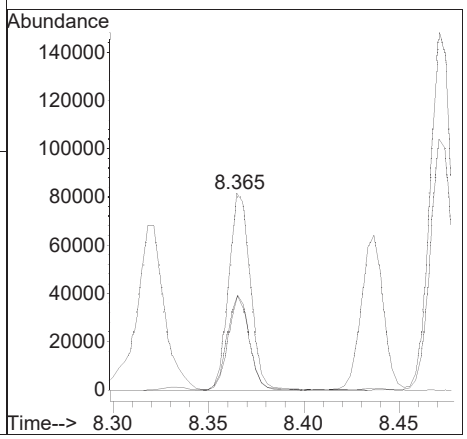


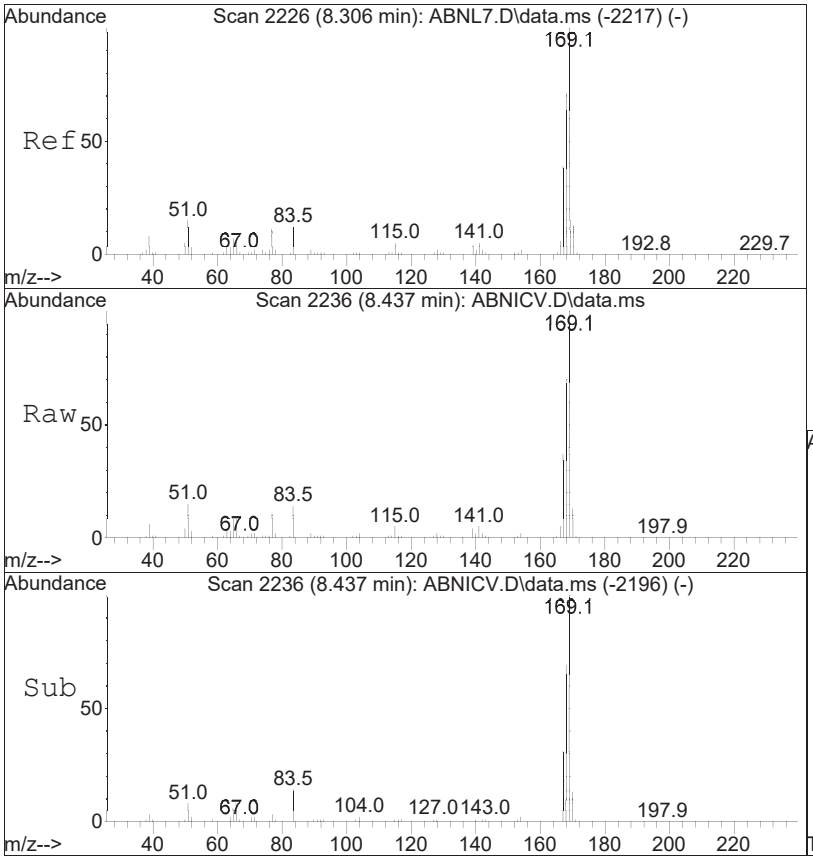


#76
4,6-Dinitro-o-cresol
Concen: 46.07 ug/ml
RT: 8.365 min Scan# 2213
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:198 Resp: 65091

Ion	Ratio	Lower	Upper
198	100		
51	47.8	48.3	72.5#
105	45.9	38.4	57.6

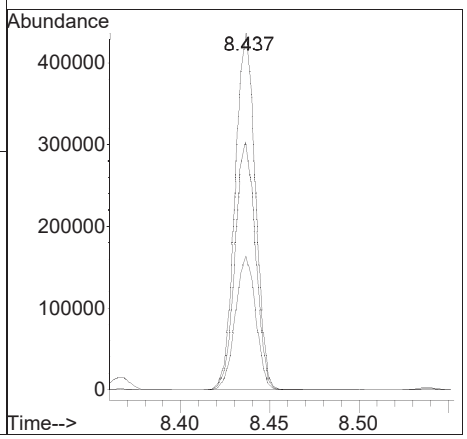


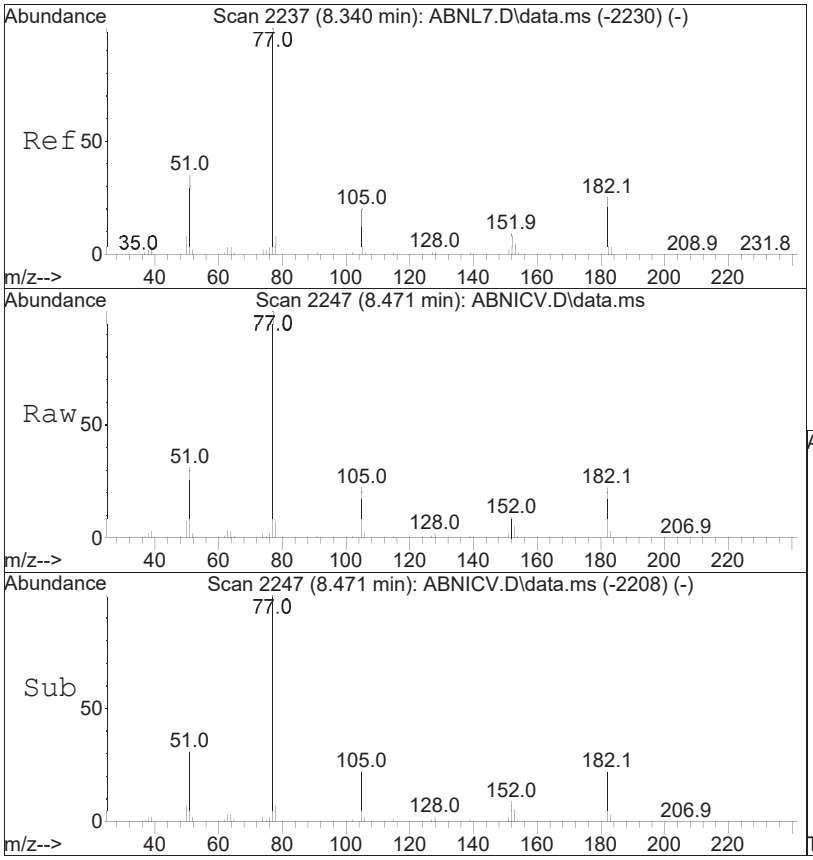


#77
NDPA/DPA
Concen: 47.98 ug/ml
RT: 8.437 min Scan# 2236
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:169 Resp: 345892

Ion	Ratio	Lower	Upper
169	100		
168	69.7	57.2	85.8
167	37.8	31.0	46.4

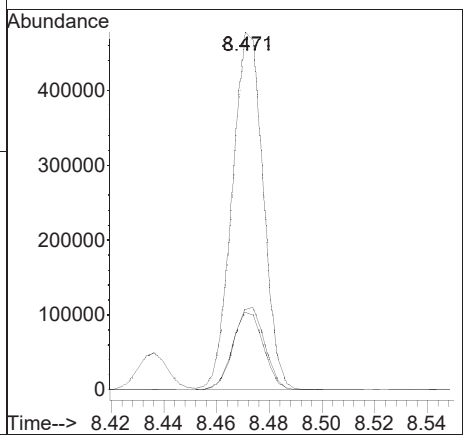


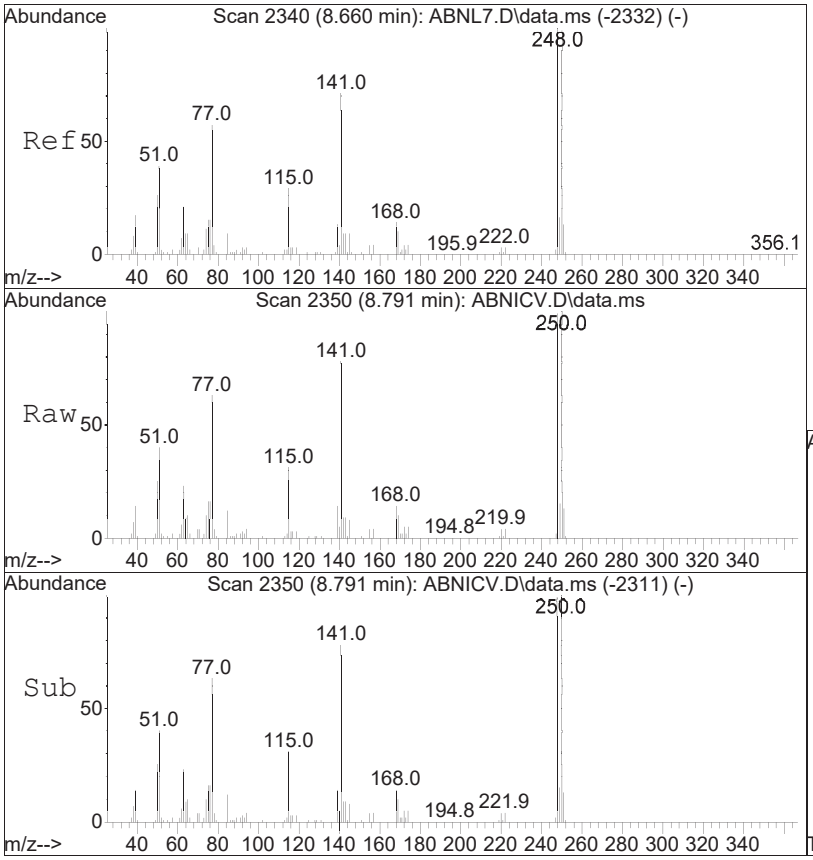


#78
Azobenzene
Concen: 50.53 ug/ml
RT: 8.471 min Scan# 2247
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion: 77 Resp: 386999

Ion	Ratio	Lower	Upper
77	100		
182	23.2	17.2	25.8
105	21.9	17.1	25.7

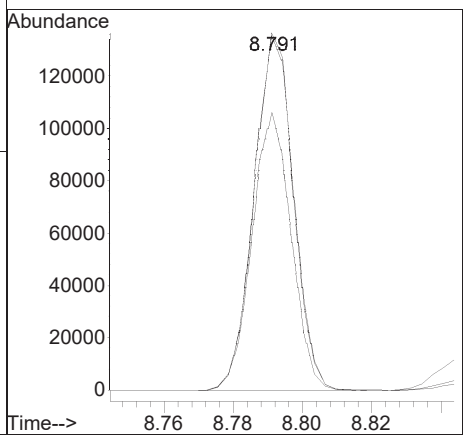


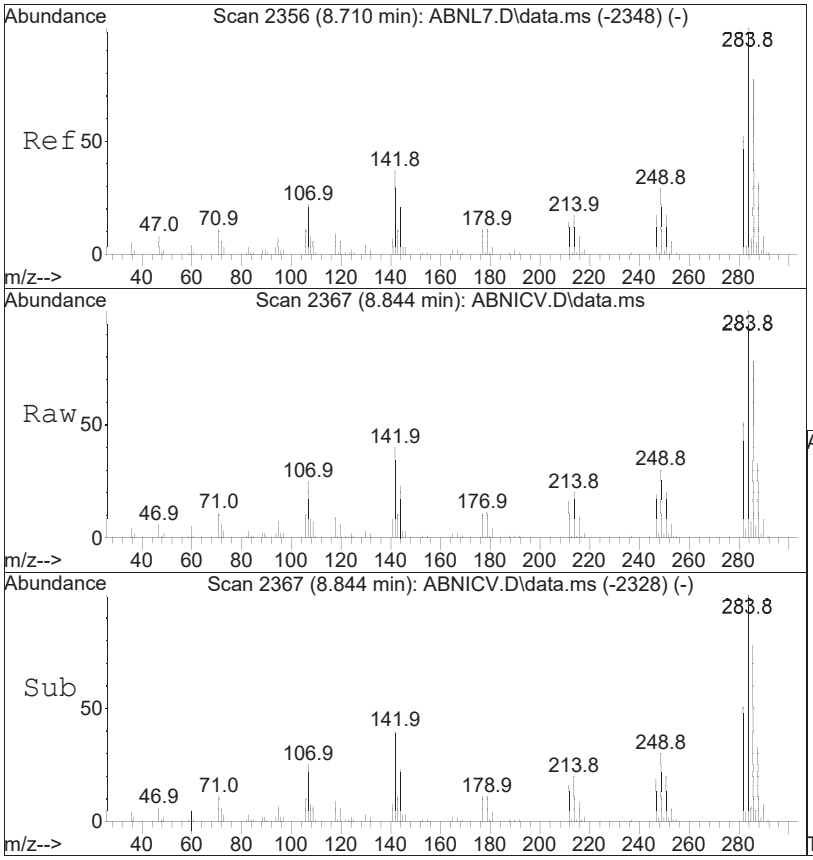


#80
4-Bromophenyl phenyl ether
Concen: 45.71 ug/ml
RT: 8.791 min Scan# 2350
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:248 Resp: 107426

Ion	Ratio	Lower	Upper
248	100		
141	77.6	59.9	89.9
250	99.8	78.0	117.0

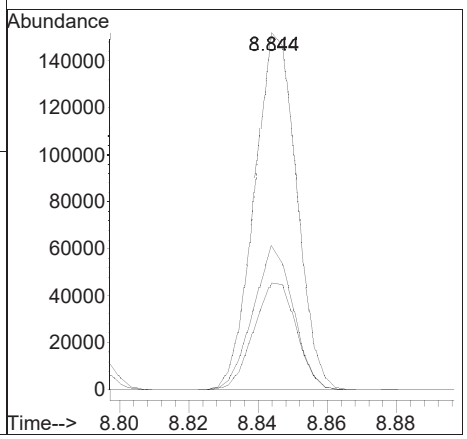


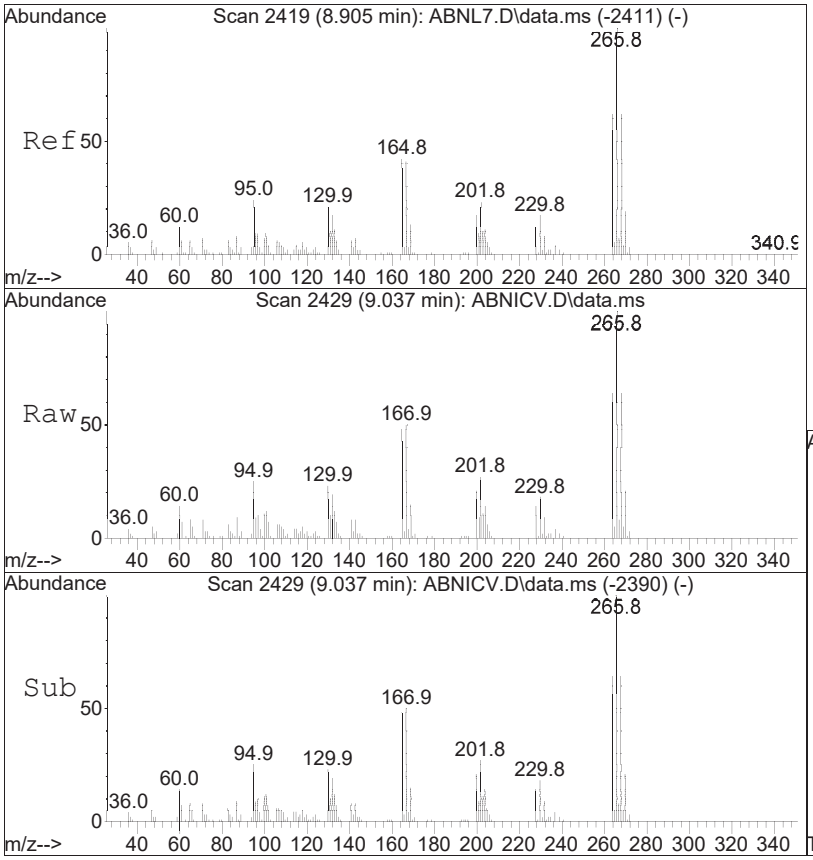


#81
Hexachlorobenzene
Concen: 44.46 ug/ml
RT: 8.844 min Scan# 2367
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:284 Resp: 128730

Ion	Ratio	Lower	Upper
284	100		
142	38.6	30.6	46.0
249	30.4	24.2	36.2

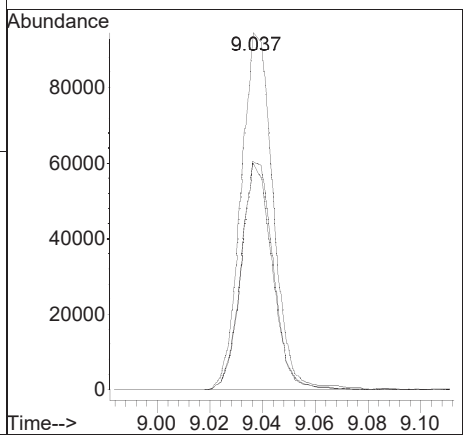


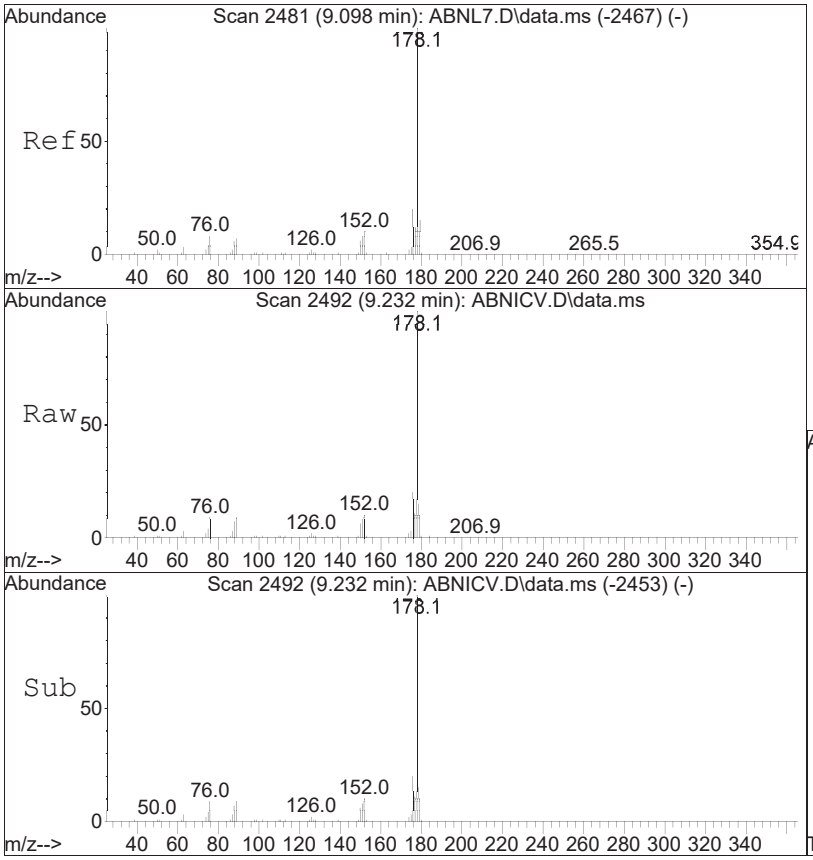


#82
Pentachlorophenol
Concen: 44.74 ug/ml
RT: 9.037 min Scan# 2429
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:266 Resp: 80149

Ion	Ratio	Lower	Upper
266	100		
264	62.4	50.2	75.4
268	63.6	50.7	76.1

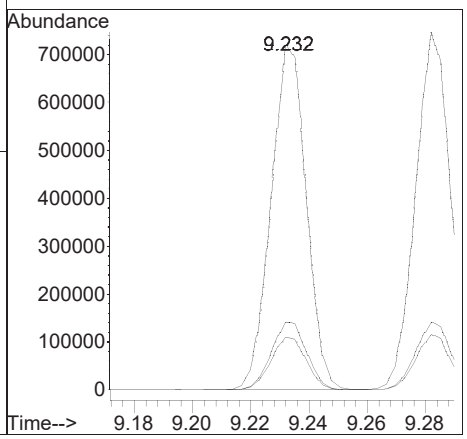


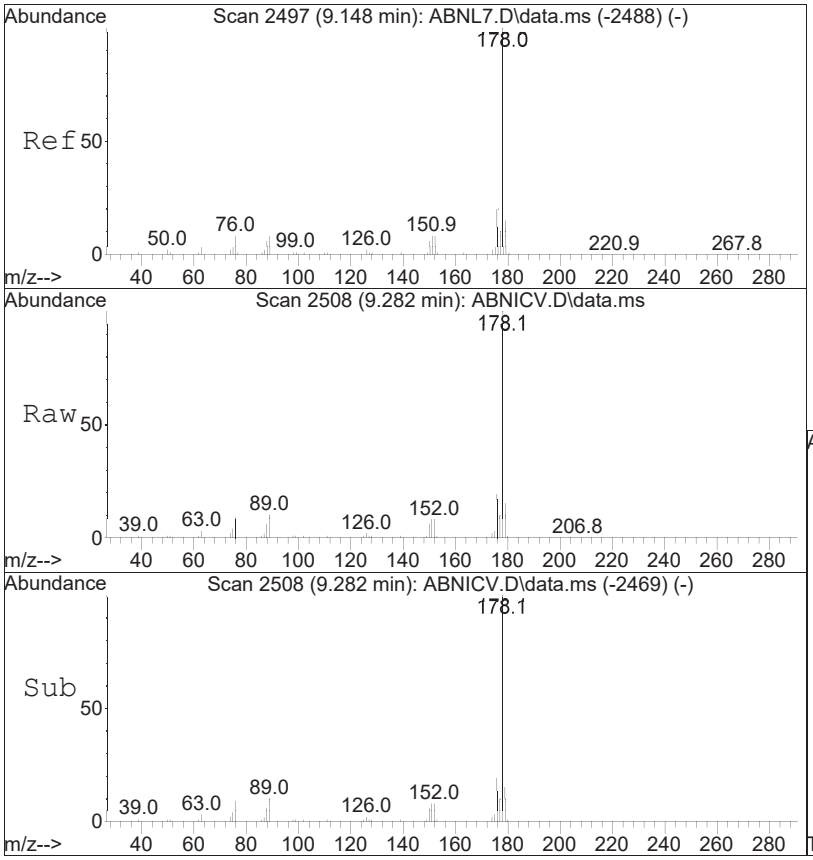


#89
Phenanthrene
Concen: 45.16 ug/ml
RT: 9.232 min Scan# 2492
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:178 Resp: 605490

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.4
176	19.6	15.5	23.3

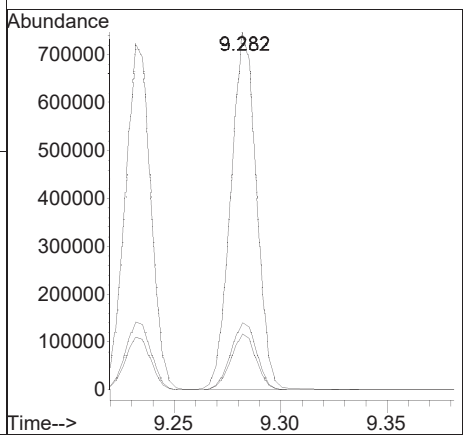


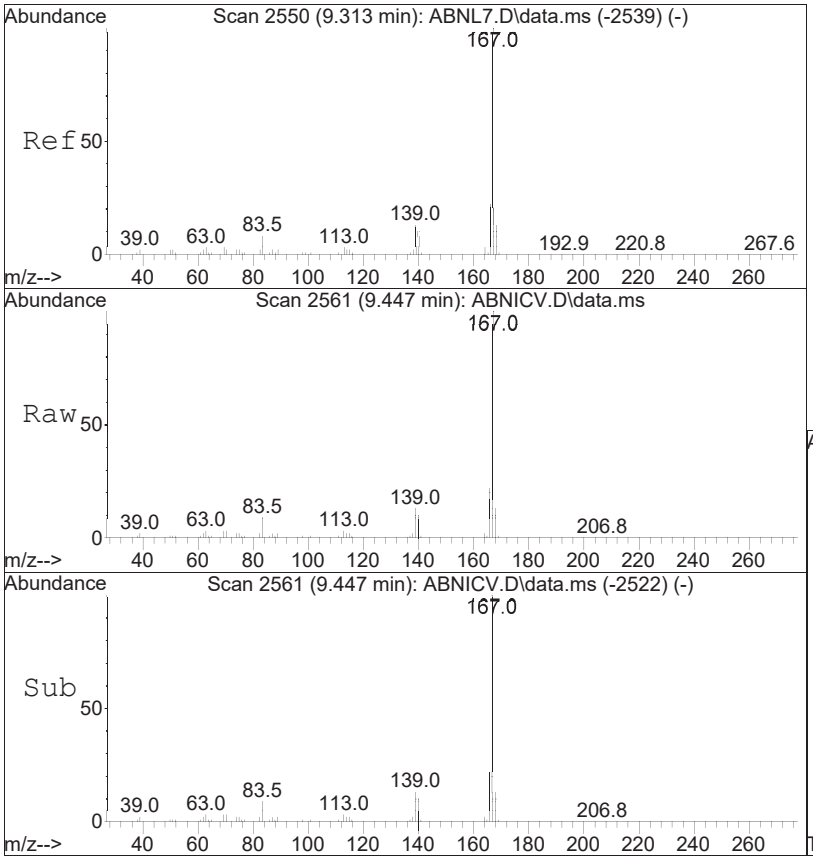


#90
Anthracene
Concen: 47.41 ug/ml
RT: 9.282 min Scan# 2508
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:178 Resp: 624683

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5
176	18.9	15.0	22.6

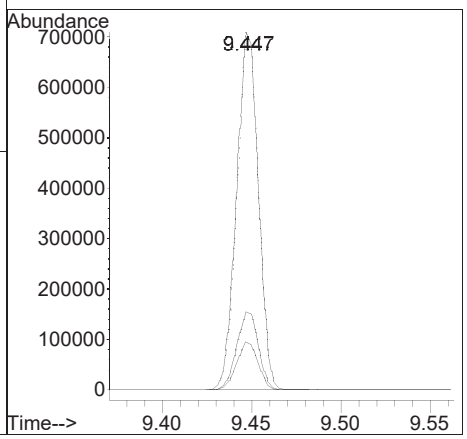


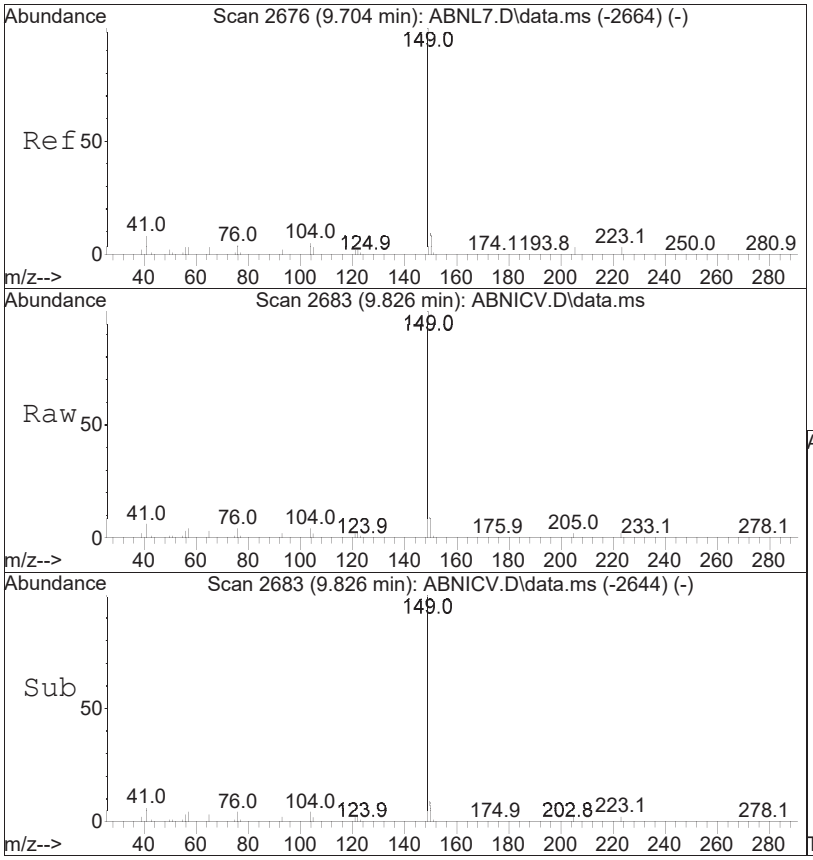


#91
Carbazole
Concen: 49.06 ug/ml
RT: 9.447 min Scan# 2561
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:167 Resp: 593812

Ion	Ratio	Lower	Upper
167	100		
168	13.4	10.6	16.0
166	22.0	18.0	27.0

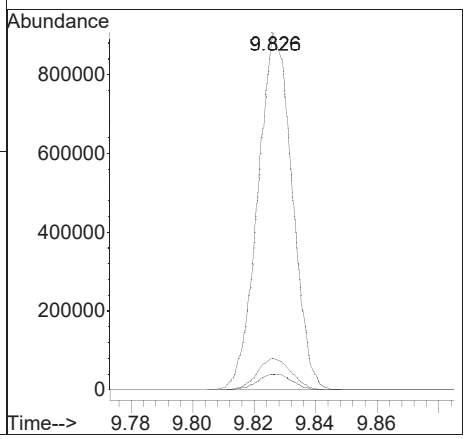


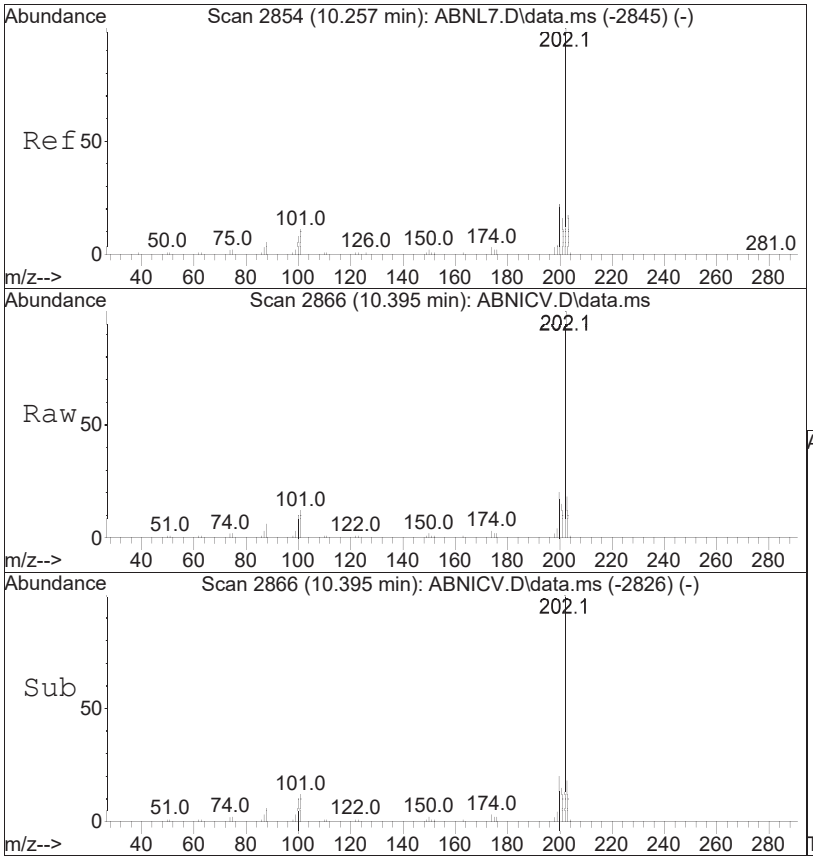


#92
Di-n-butylphthalate
Concen: 52.82 ug/ml
RT: 9.826 min Scan# 2683
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:149 Resp: 692870

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.3	10.9
104	4.6	3.6	5.4

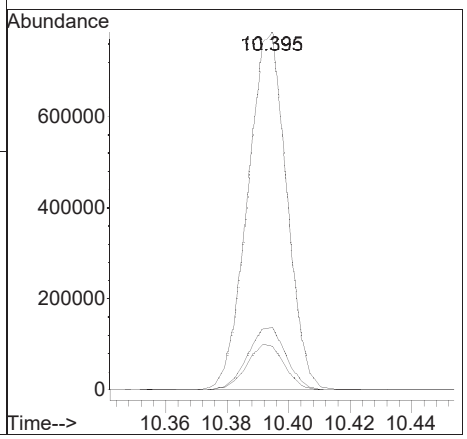


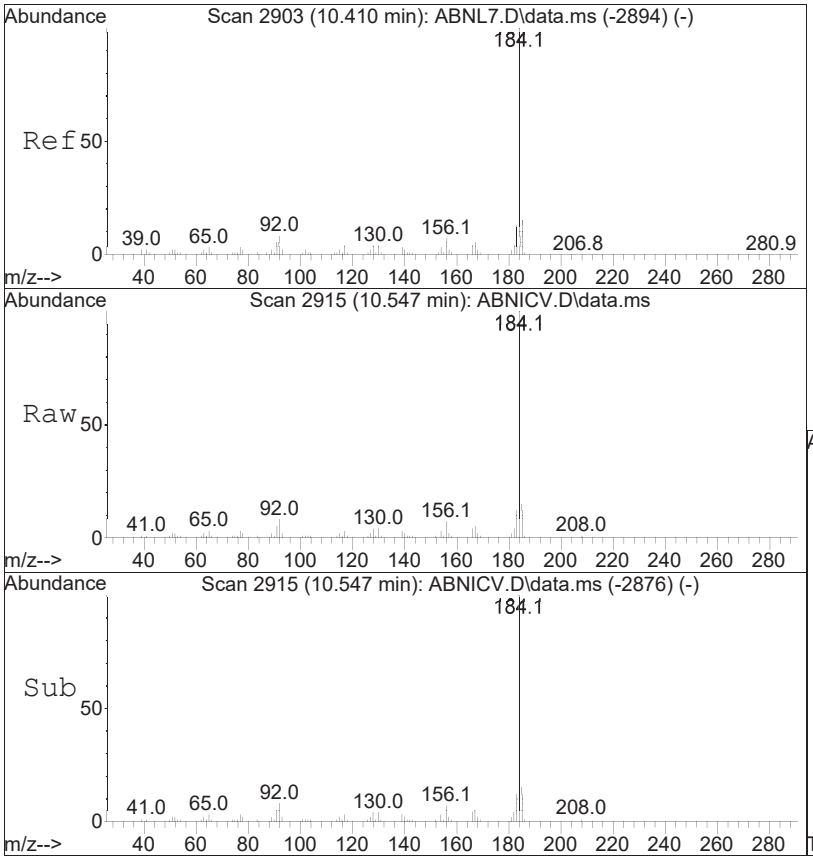


#93
Fluoranthene
Concen: 48.66 ug/ml
RT: 10.395 min Scan# 2866
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:202 Resp: 683165

Ion	Ratio	Lower	Upper
202	100		
101	12.6	11.2	16.8
203	17.5	13.8	20.6

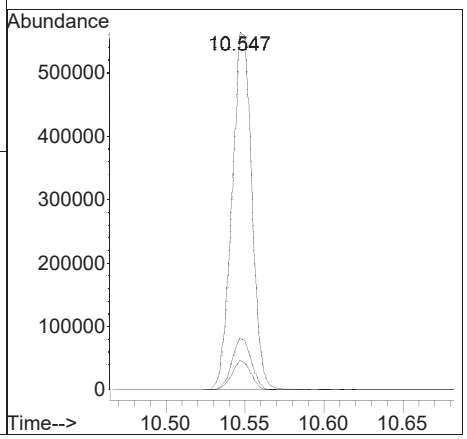


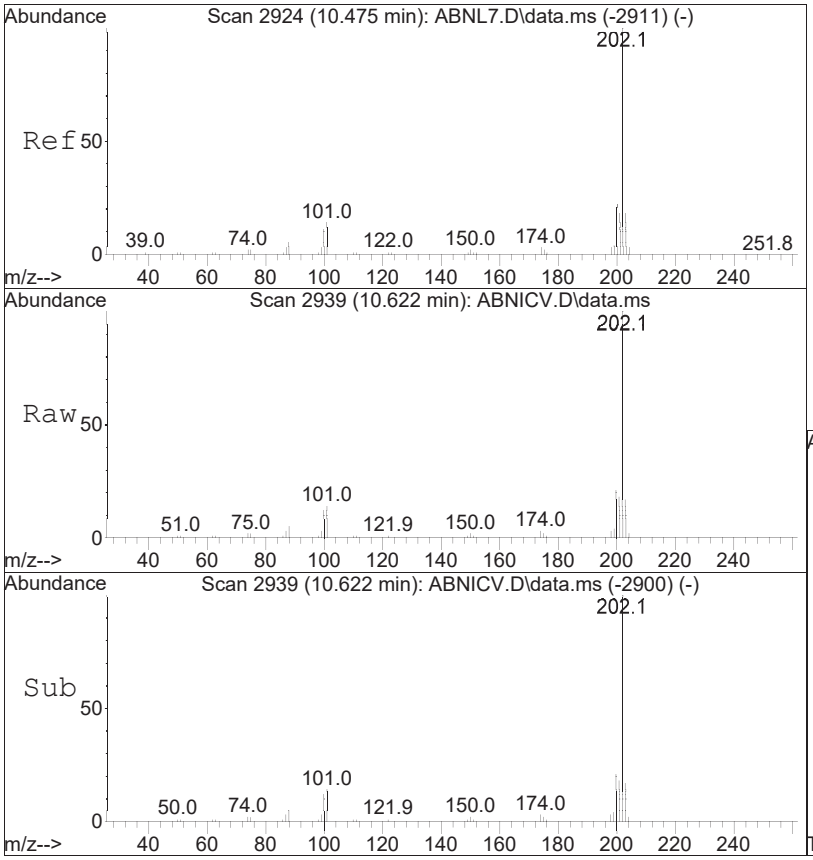


#94
Benzidine
Concen: 45.42 ug/ml
RT: 10.547 min Scan# 2915
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:184 Resp: 487240

Ion	Ratio	Lower	Upper
184	100		
92	8.1	7.2	10.8
185	14.3	11.3	16.9

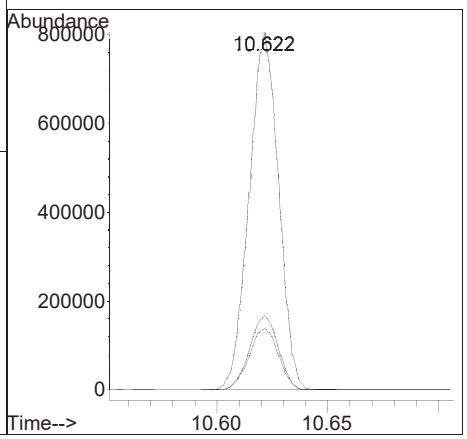


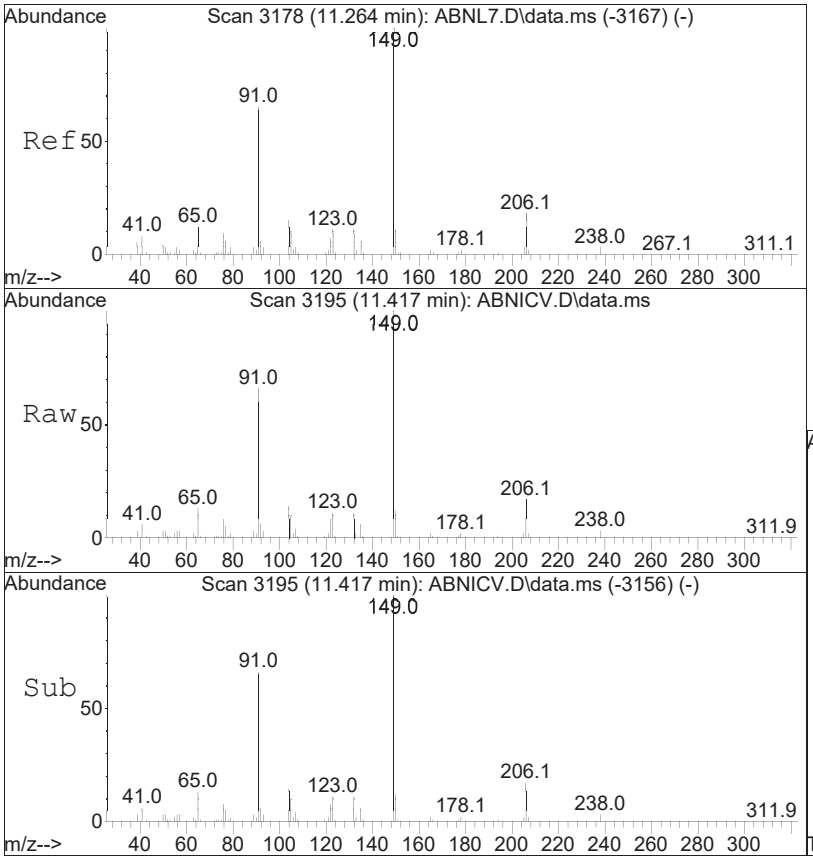


#95
Pyrene
Concen: 49.10 ug/ml
RT: 10.622 min Scan# 2939
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:202 Resp: 734311

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.4
203	17.5	14.2	21.4

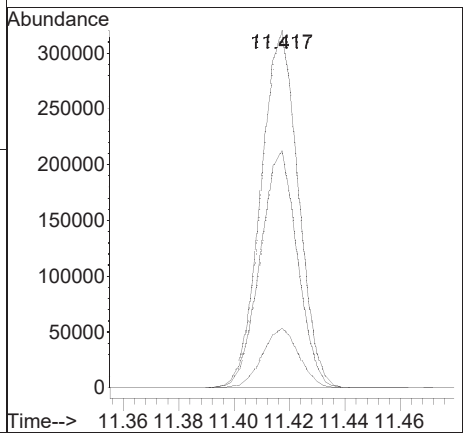


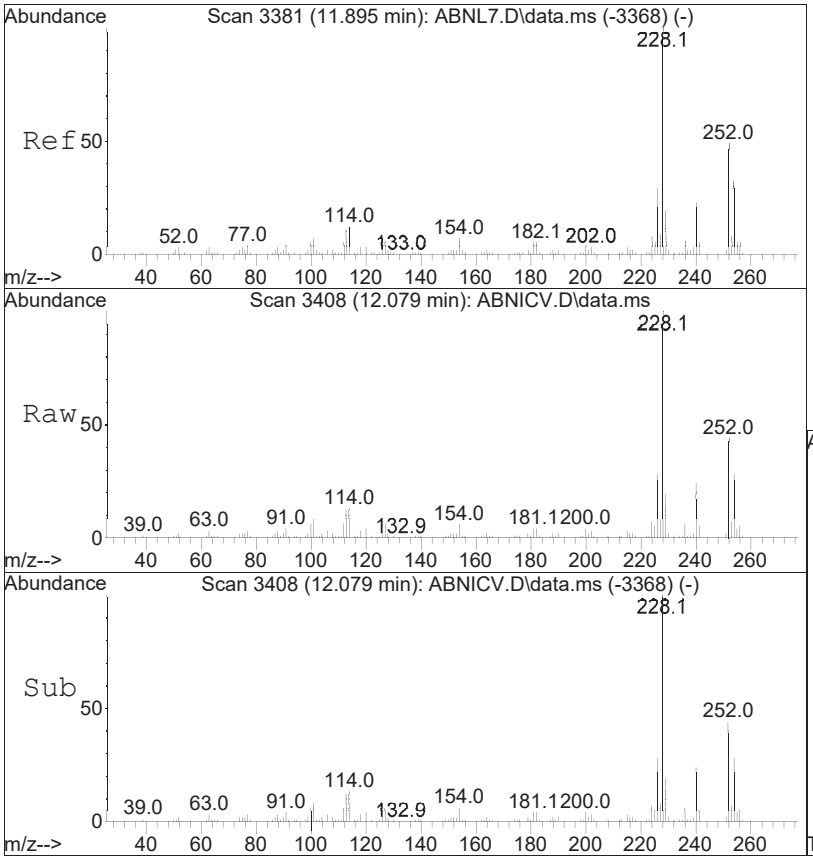


#97
Butyl benzyl phthalate
Concen: 45.99 ug/ml
RT: 11.417 min Scan# 3195
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:149 Resp: 297815

Ion	Ratio	Lower	Upper
149	100		
91	66.4	54.6	81.8
206	16.5	12.5	18.7

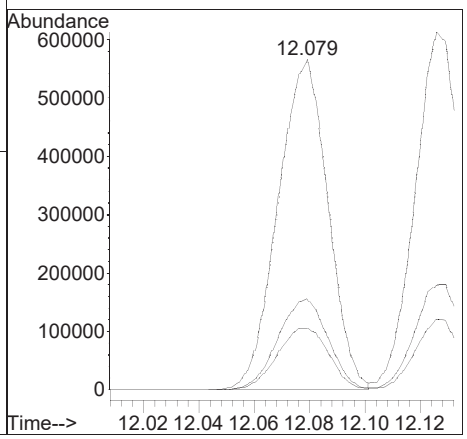


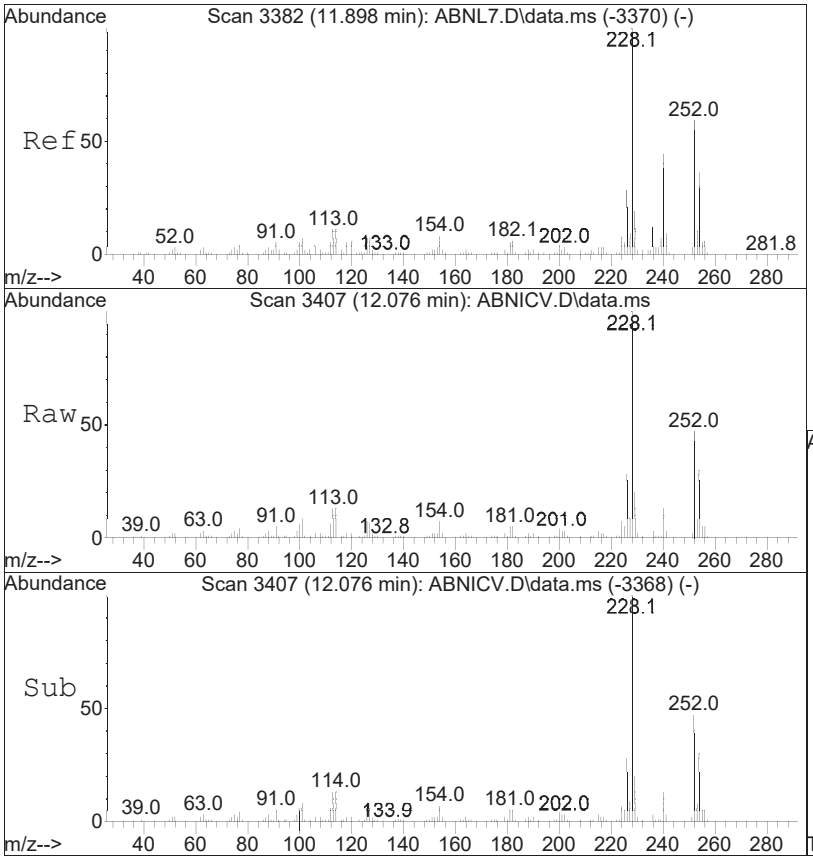


#105
Benzo(a)anthracene
Concen: 46.82 ug/ml
RT: 12.079 min Scan# 3408
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:228 Resp: 708202

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.2	33.4
229	19.4	15.6	23.4

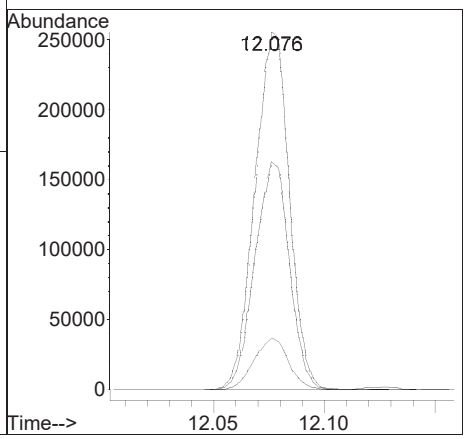


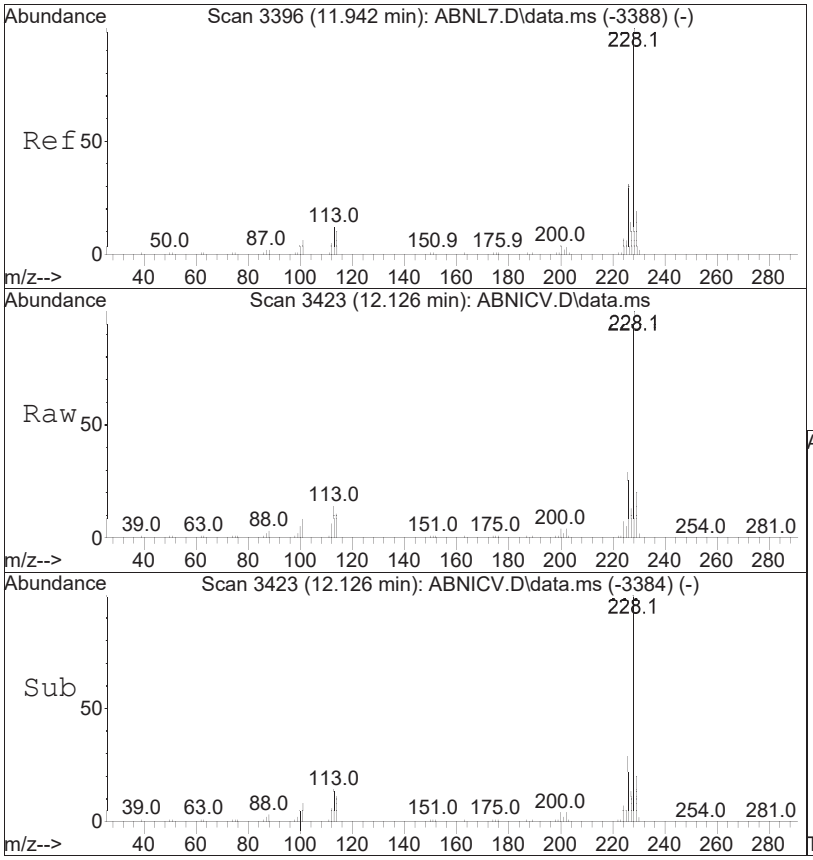


#106
3,3'-Dichlorobenzidine
Concen: 45.75 ug/ml
RT: 12.076 min Scan# 3407
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:252 Resp: 275364

Ion	Ratio	Lower	Upper
252	100		
126	14.8	12.4	18.6
254	64.0	51.8	77.6

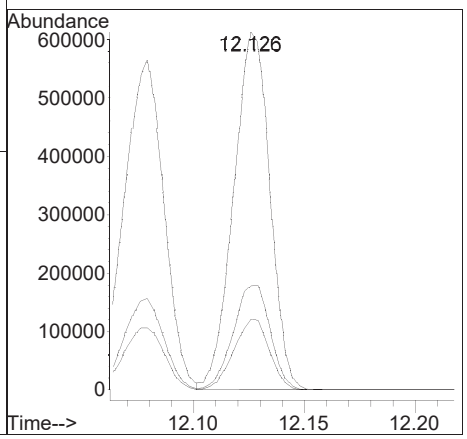


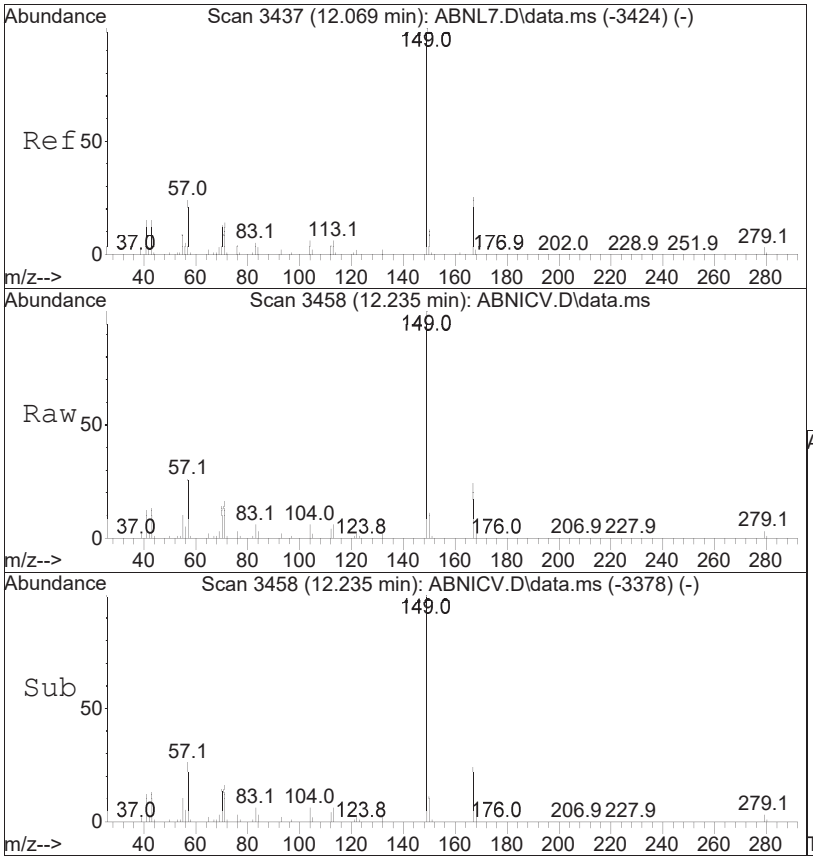


#107
Chrysene
Concen: 45.92 ug/ml
RT: 12.126 min Scan# 3423
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:228 Resp: 697880

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.3	36.5
229	19.4	15.5	23.3

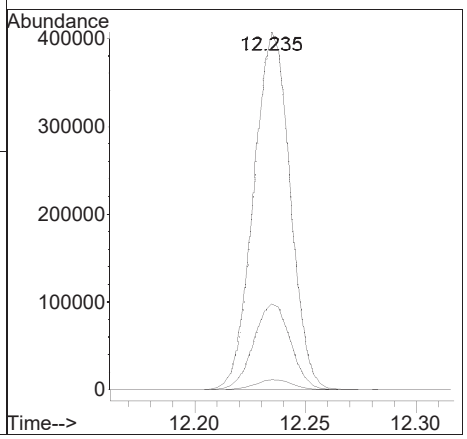


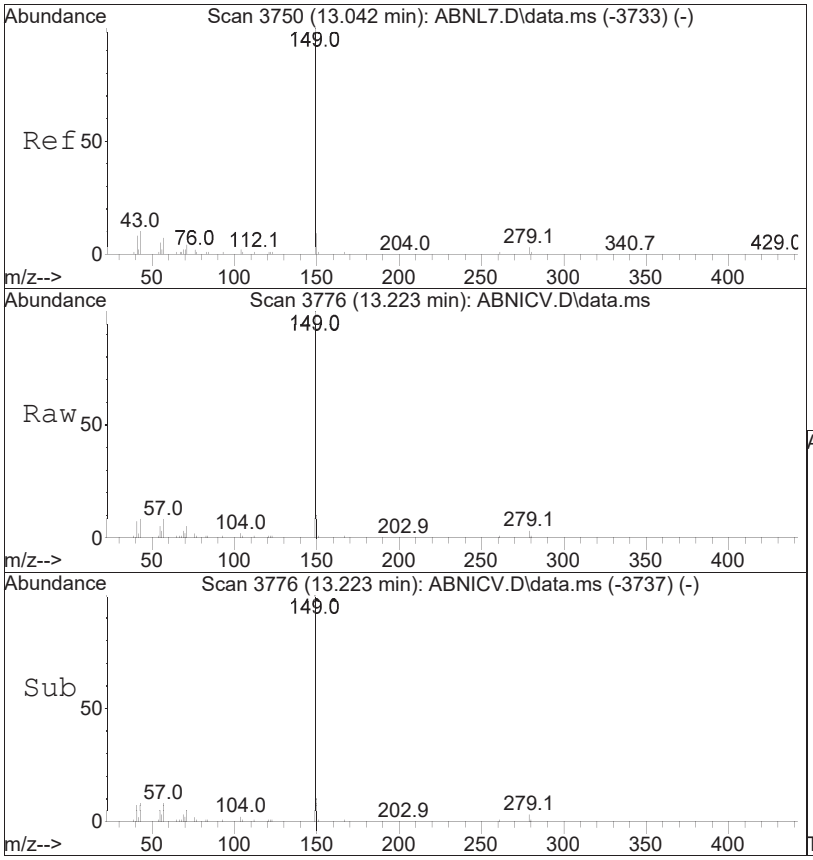


#108
Bis(2-ethylhexyl)phthalate
Concen: 47.51 ug/ml
RT: 12.235 min Scan# 3458
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:149 Resp: 462361

Ion	Ratio	Lower	Upper
149	100		
167	24.3	19.0	28.6
279	2.7	2.0	3.0

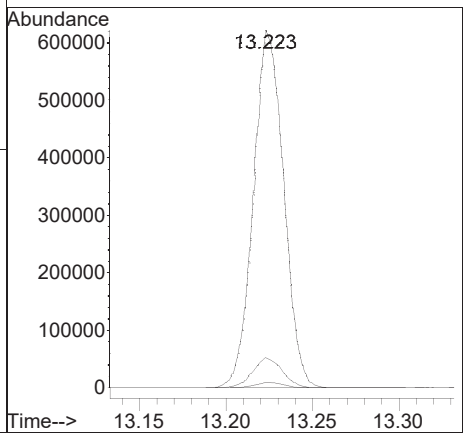


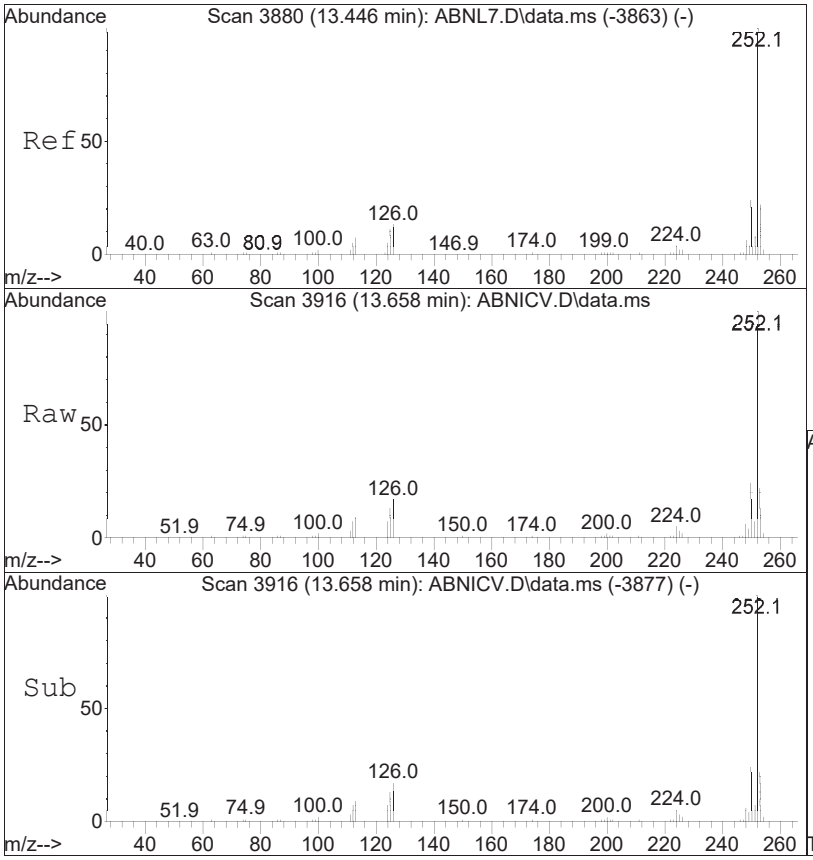


#109
Di-n-octylphthalate
Concen: 45.13 ug/ml
RT: 13.223 min Scan# 3776
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:149 Resp: 745362

Ion	Ratio	Lower	Upper
149	100		
43	8.3	9.0	13.4#
167	1.4	1.1	1.7

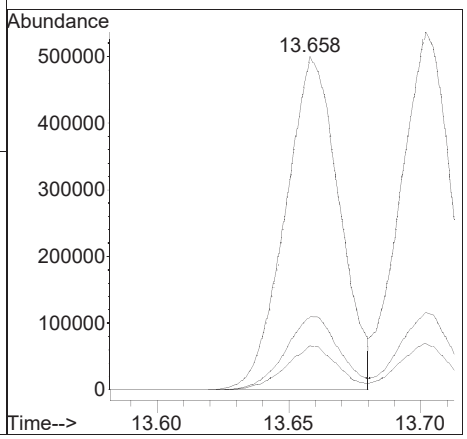


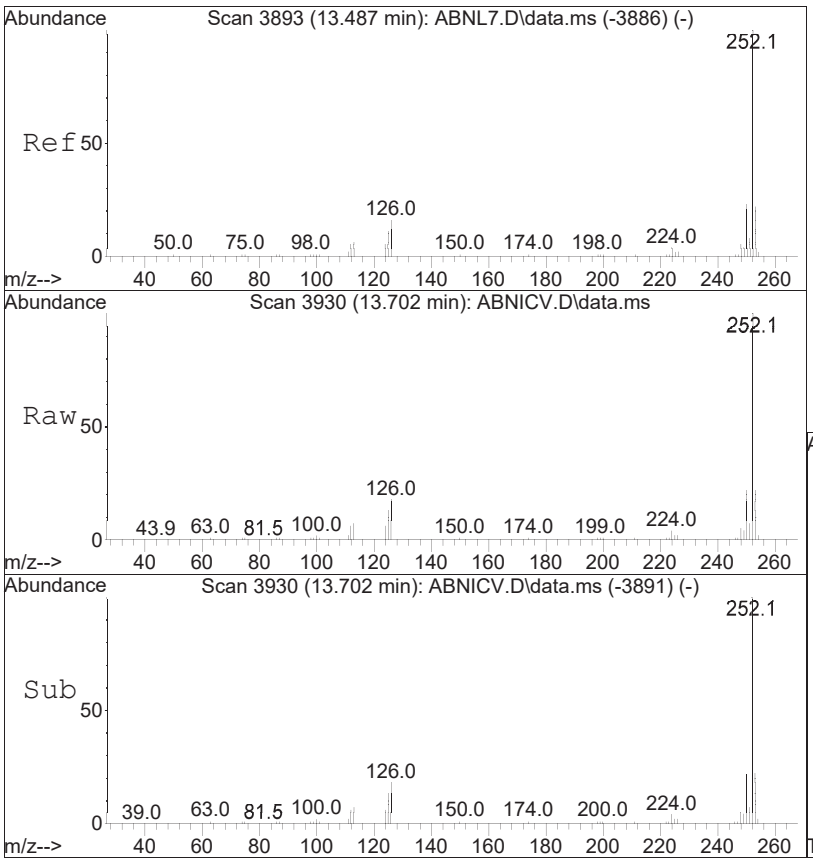


#110
Benzo(b)fluoranthene
Concen: 49.05 ug/ml
RT: 13.658 min Scan# 3916
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:252 Resp: 711315

Ion	Ratio	Lower	Upper
252	100		
125	12.9	11.4	17.0
253	22.2	17.5	26.3

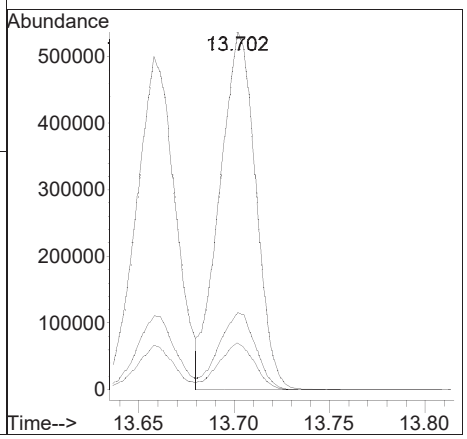


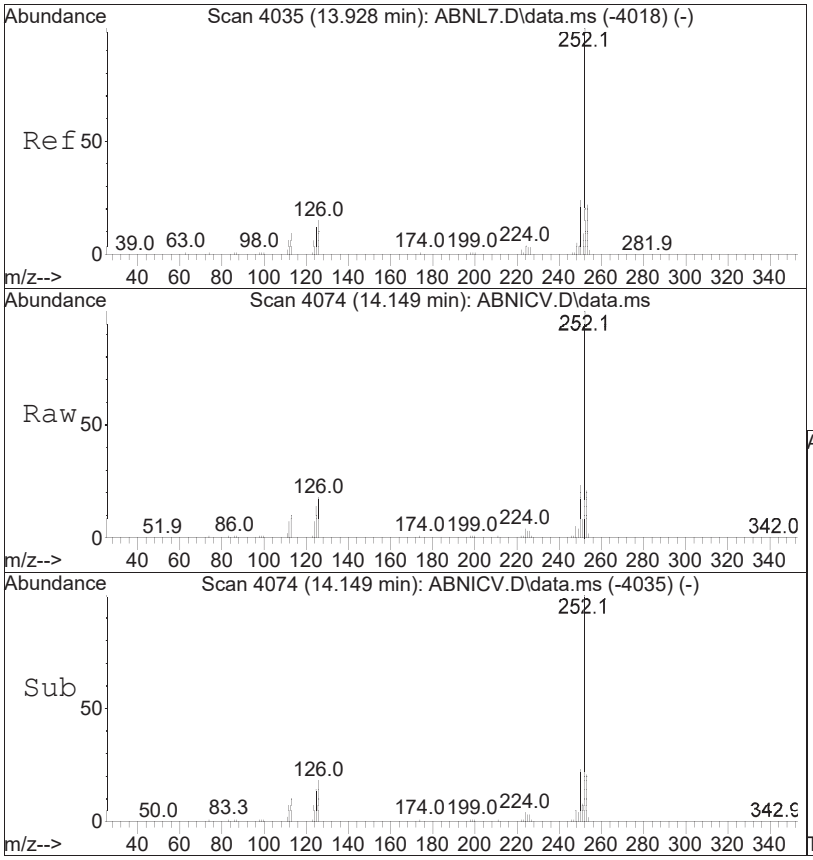


#111
Benzo(k)fluoranthene
Concen: 50.39 ug/ml
RT: 13.702 min Scan# 3930
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:252 Resp: 704752

Ion	Ratio	Lower	Upper
252	100		
125	13.0	11.0	16.6
253	21.8	17.4	26.0

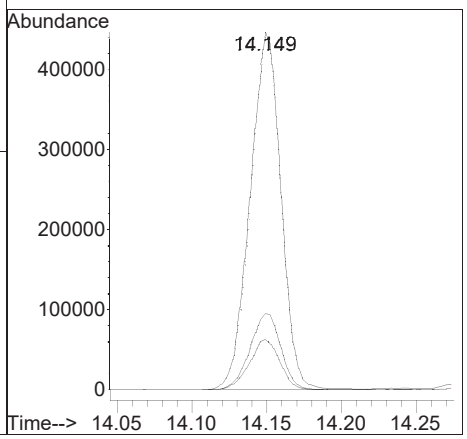


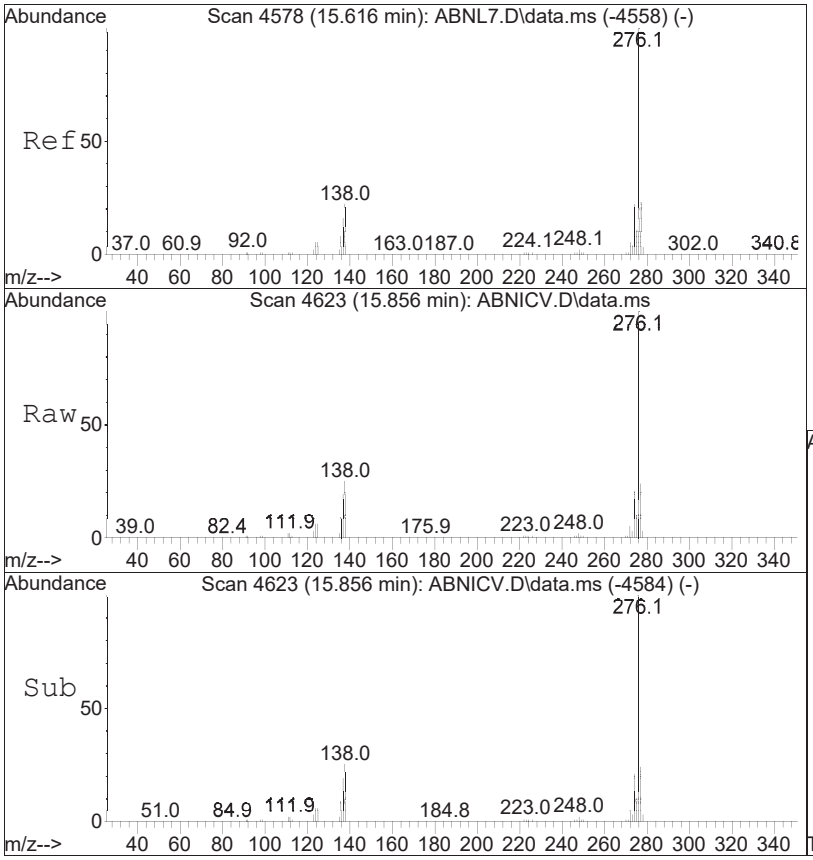


#112
Benzo(a)pyrene
Concen: 51.95 ug/ml
RT: 14.149 min Scan# 4074
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:252 Resp: 631233

Ion	Ratio	Lower	Upper
252	100		
125	14.1	12.4	18.6
253	21.6	17.6	26.4

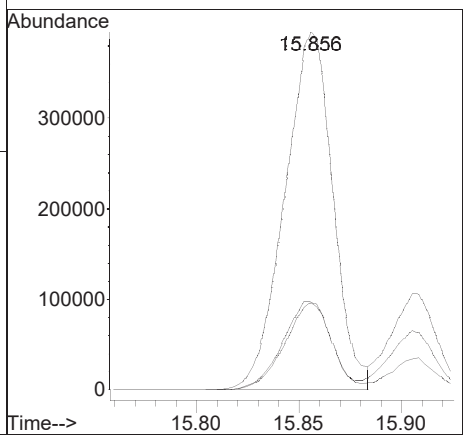


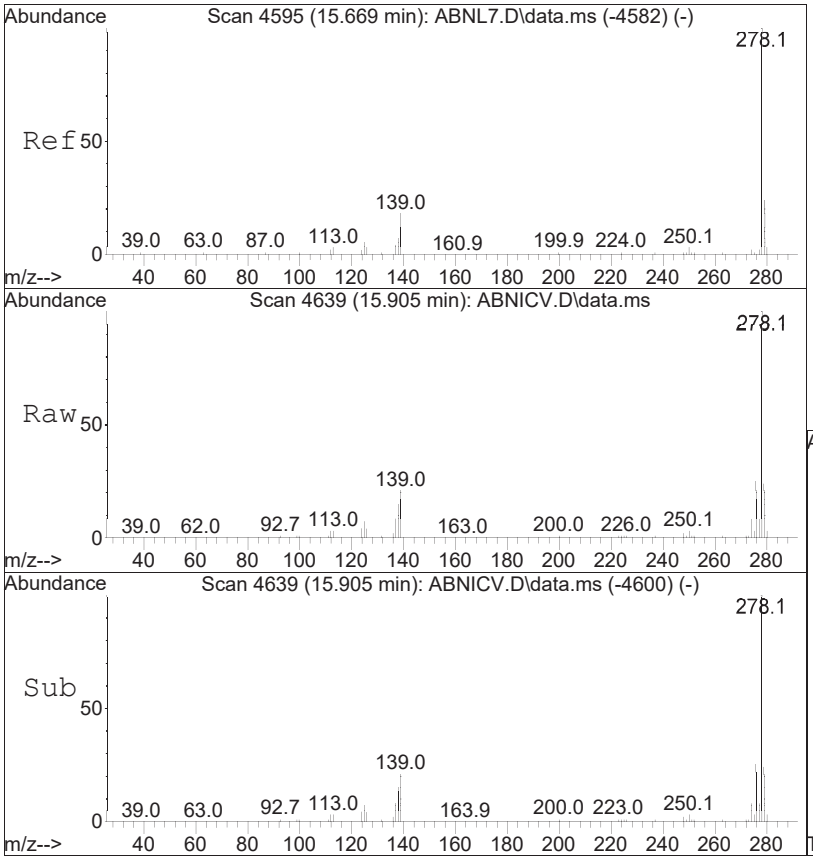


#114
Indeno(1,2,3-cd)pyrene
Concen: 49.65 ug/ml
RT: 15.856 min Scan# 4623
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:276 Resp: 641525

Ion	Ratio	Lower	Upper
276	100		
138	24.9	21.0	31.6
277	23.8	19.1	28.7

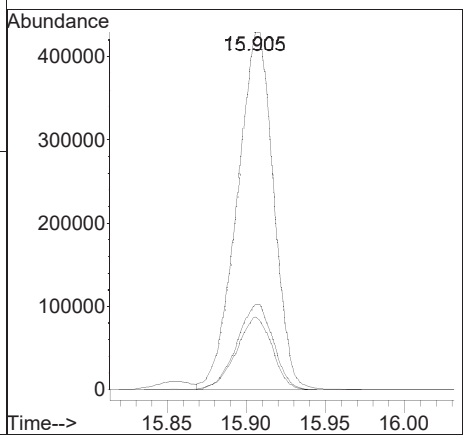


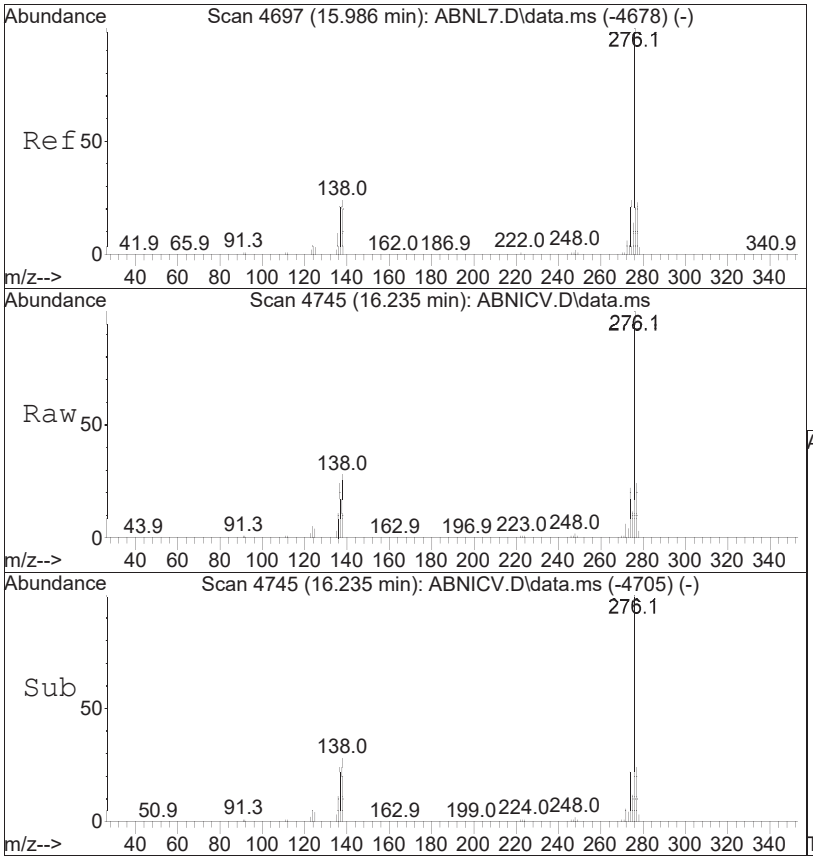


#115
Dibenzo(a,h)anthracene
Concen: 48.47 ug/ml
RT: 15.905 min Scan# 4639
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:278 Resp: 681545

Ion	Ratio	Lower	Upper
278	100		
139	20.2	16.9	25.3
279	24.2	19.2	28.8

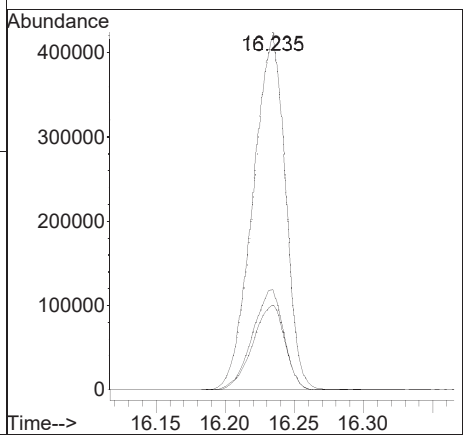




#116
Benzo(ghi)perylene
Concen: 47.52 ug/ml
RT: 16.235 min Scan# 4745
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 12 Sep 2020 12:40 am

Tgt Ion:276 Resp: 682231

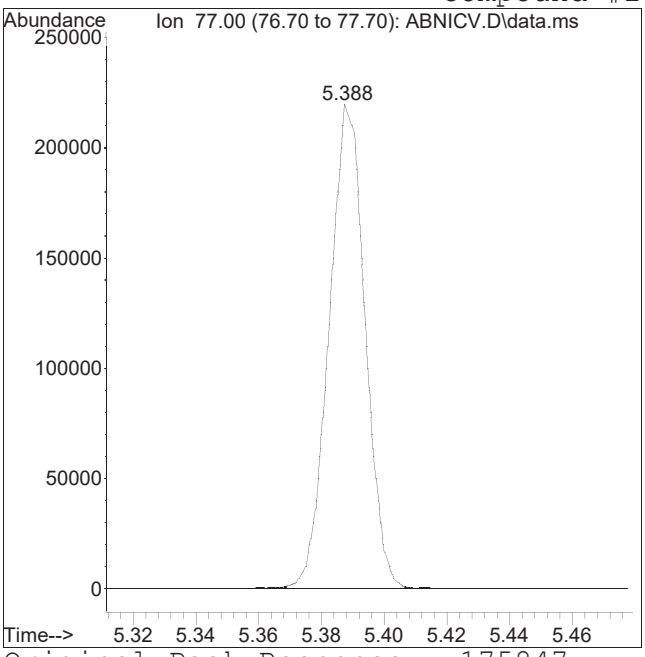
Ion	Ratio	Lower	Upper
276	100		
138	27.6	22.9	34.3
277	24.0	18.9	28.3



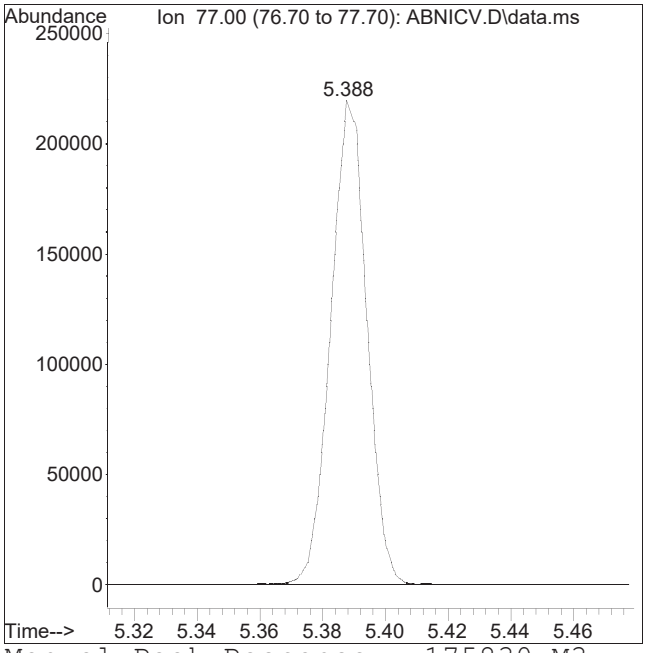
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : ABNICV.D Operator : sv109:dw
Date Inj'd : 9/12/2020 12:40 am Instrument : SV109
Sample : CQICV1,32,,ABNICV Lot# 889 Quant Date : 9/14/2020 1:21 pm

Compound #20: Nitrobenzene



Original Peak Response = 175847



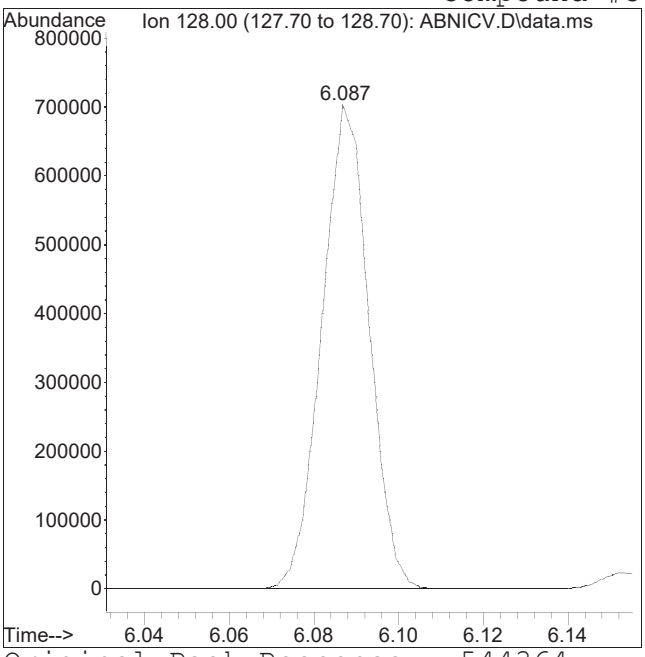
Manual Peak Response = 175830 M3

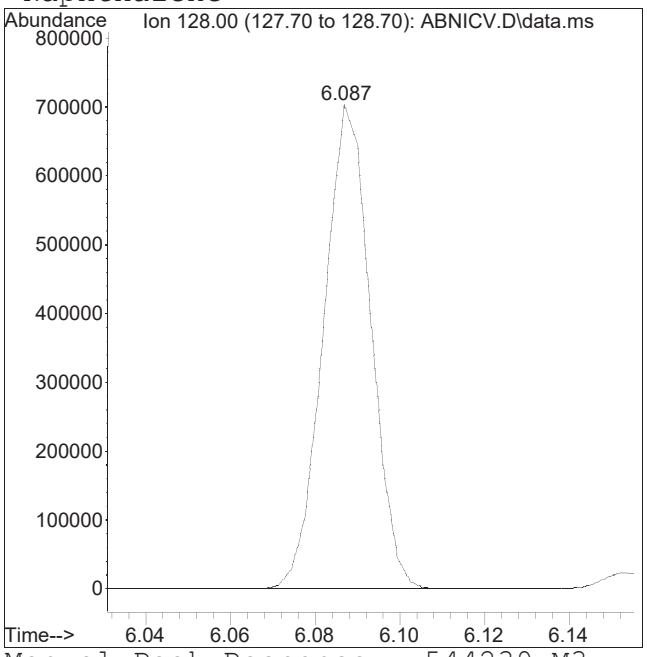
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : ABNICV.D Operator : sv109:dw
Date Inj'd : 9/12/2020 12:40 am Instrument : SV109
Sample : CQICV1,32,,ABNICV Lot# 889 Quant Date : 9/14/2020 1:21 pm

Compound #36: Naphthalene





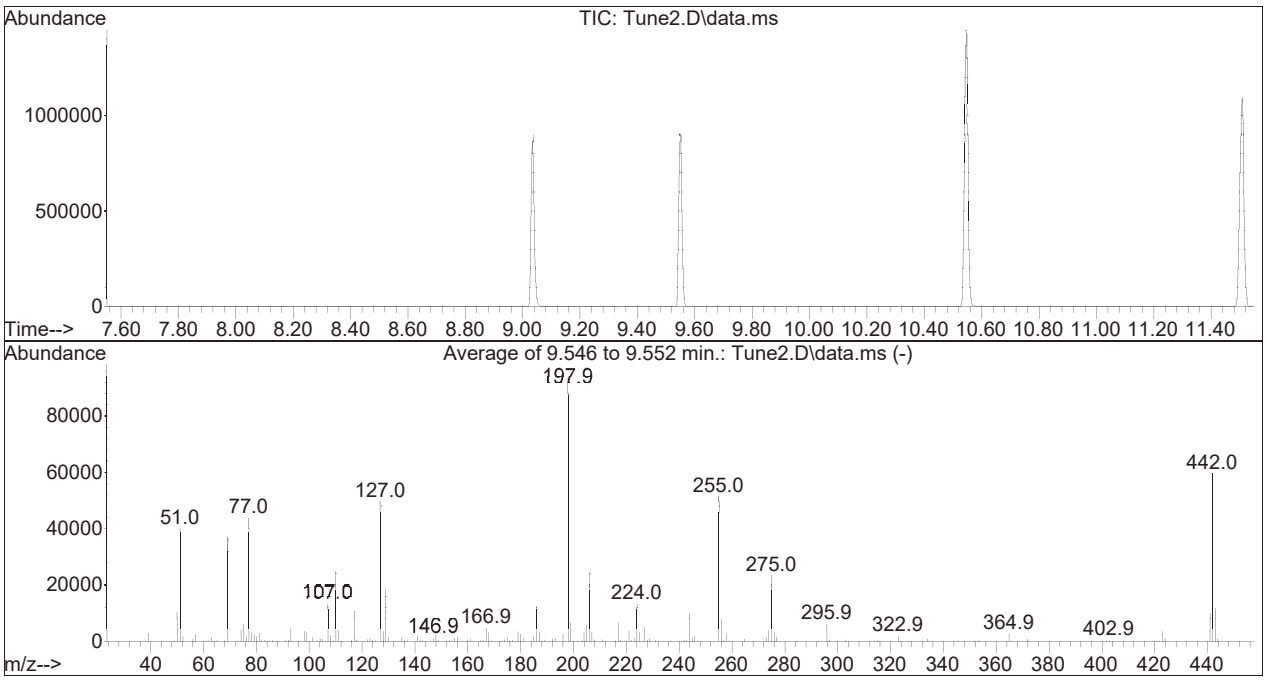
Original Peak Response = 544364 Manual Peak Response = 544239 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Data Path : I:\8270\SV109\200911ical\
Data File : Tune2.D
Acq On : 12 Sep 2020 1:29 am
Operator : sv109:dw
Sample : Tune2
Misc : WG1409654,,
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV109\200911ical\FS200911SV109.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Sep 14 13:39:11 2020



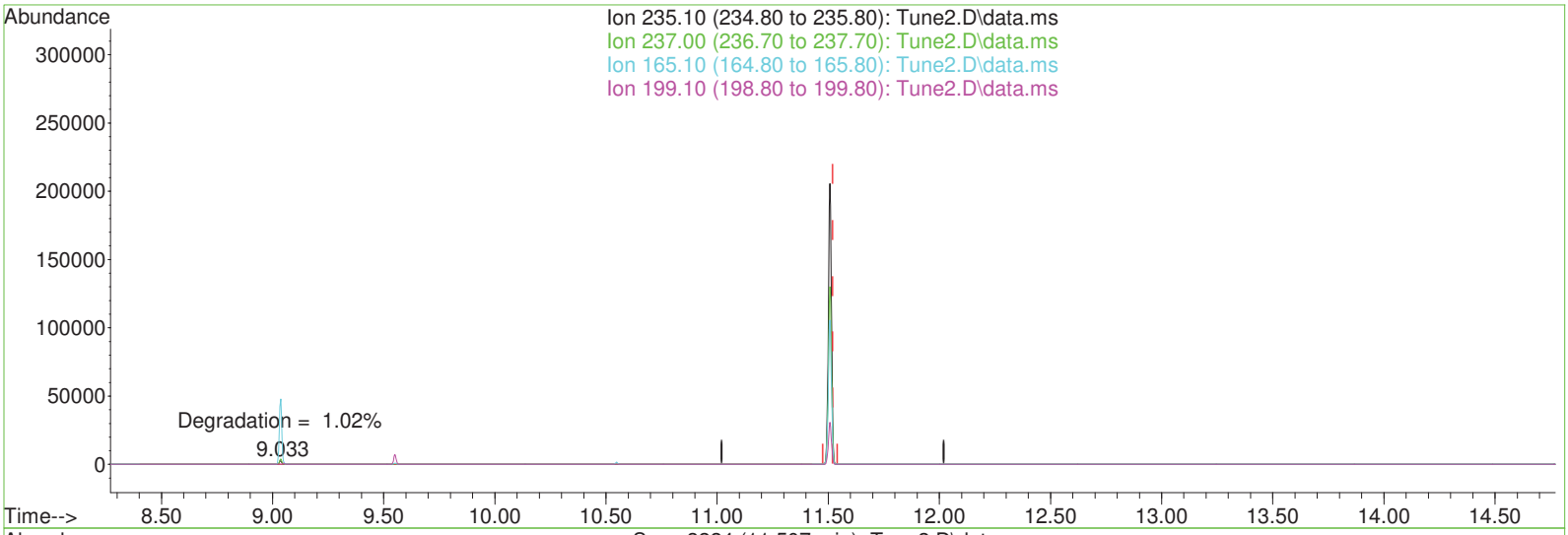
Spectrum Information: Average of 9.546 to 9.552 min.

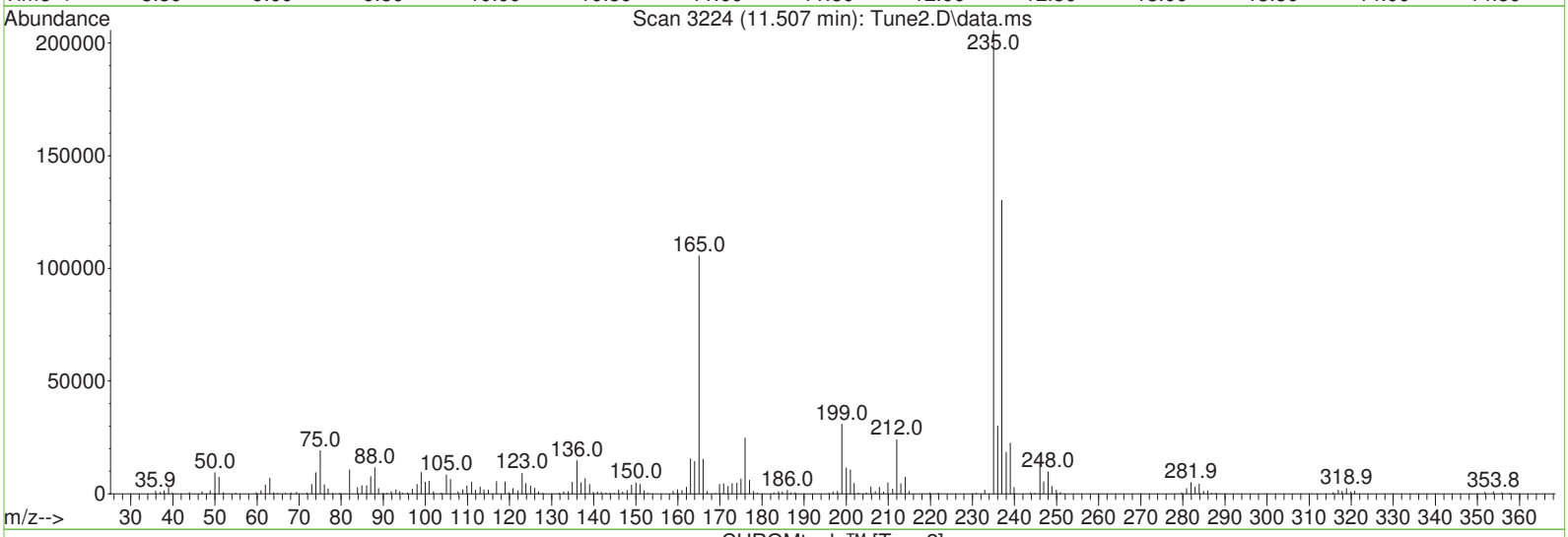
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	42.6	39888	PASS
68	69	0.00	2	1.8	660	PASS
69	69	100	100	100.0	36675	PASS
70	69	0.00	2	0.3	111	PASS
127	198	10	80	53.0	49587	PASS
197	198	0.00	2	0.2	213	PASS
198	198	100	100	100.0	93581	PASS
199	198	5	9	7.0	6571	PASS
275	198	10	60	25.0	23384	PASS
365	198	1	100	2.9	2697	PASS
441	442	0.01	24	16.6	9886	PASS
442	198	50	100	63.7	59584	PASS
443	442	15	24	19.5	11628	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV109\200911ical\
Data File : Tune2.D
Acq On : 12 Sep 2020 1:29 am
Operator : sv109:
Sample : Tune2
Misc :
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 14 14:32:46 2020
Quant Method : I:\8270\SV109\200911ical\dftppsv109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 14:28:08 2020
Response via : Initial Calibration





CHROMtools™ [Tune2]

(6) DDT (T)

11.507min (-0.013) 33.70 Lin

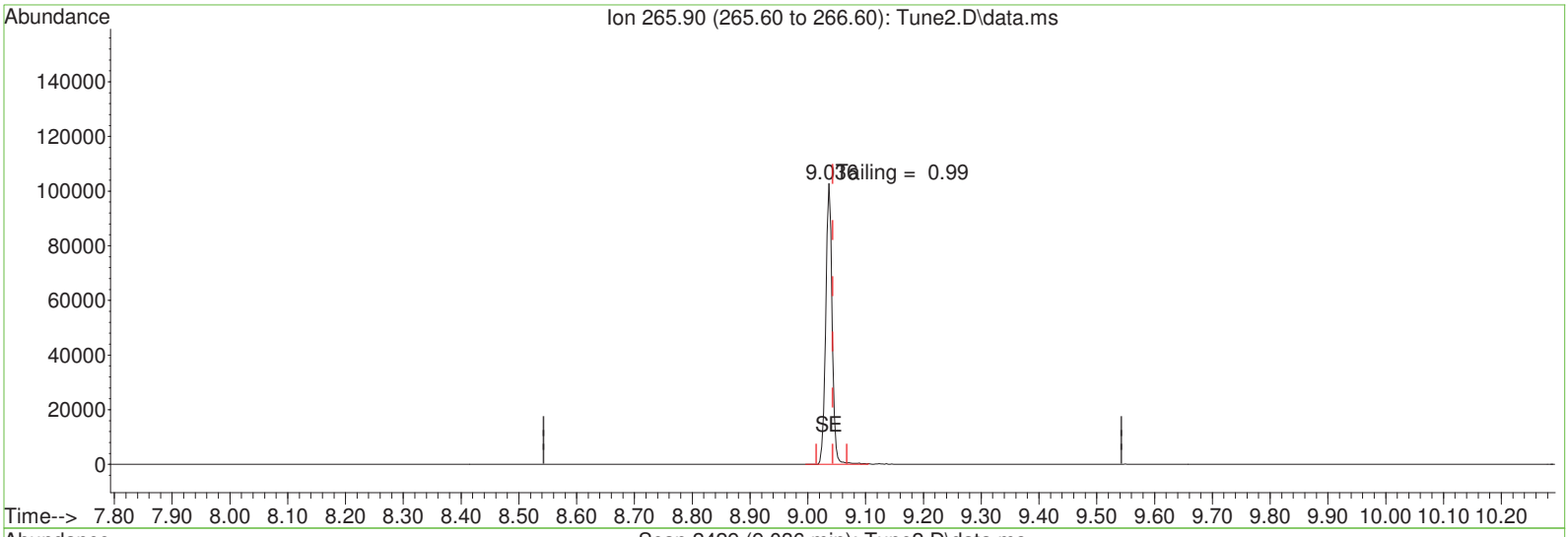
response 205412

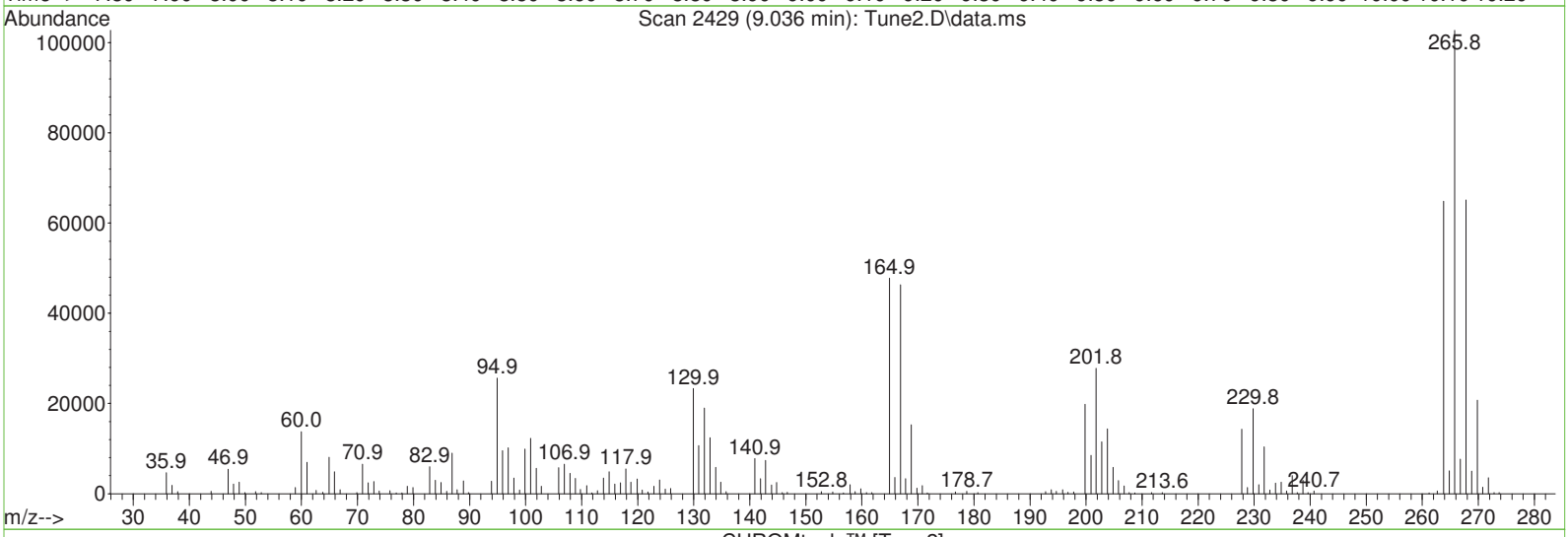
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.10	64.02
165.10	49.00	51.49
199.10	12.10	14.80

Quantitation Report (Qedit)

Data Path : I:\8270\SV109\200911ical\
Data File : Tune2.D
Acq On : 12 Sep 2020 1:29 am
Operator : sv109:
Sample : Tune2
Misc :
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 14 14:32:46 2020
Quant Method : I:\8270\SV109\200911ical\dftppsv109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 14:28:08 2020
Response via : Initial Calibration





CHROMtools™ [Tune2]

(1) Pentachlorophenol (T)

9.036min (-0.007) 37.56 Lin

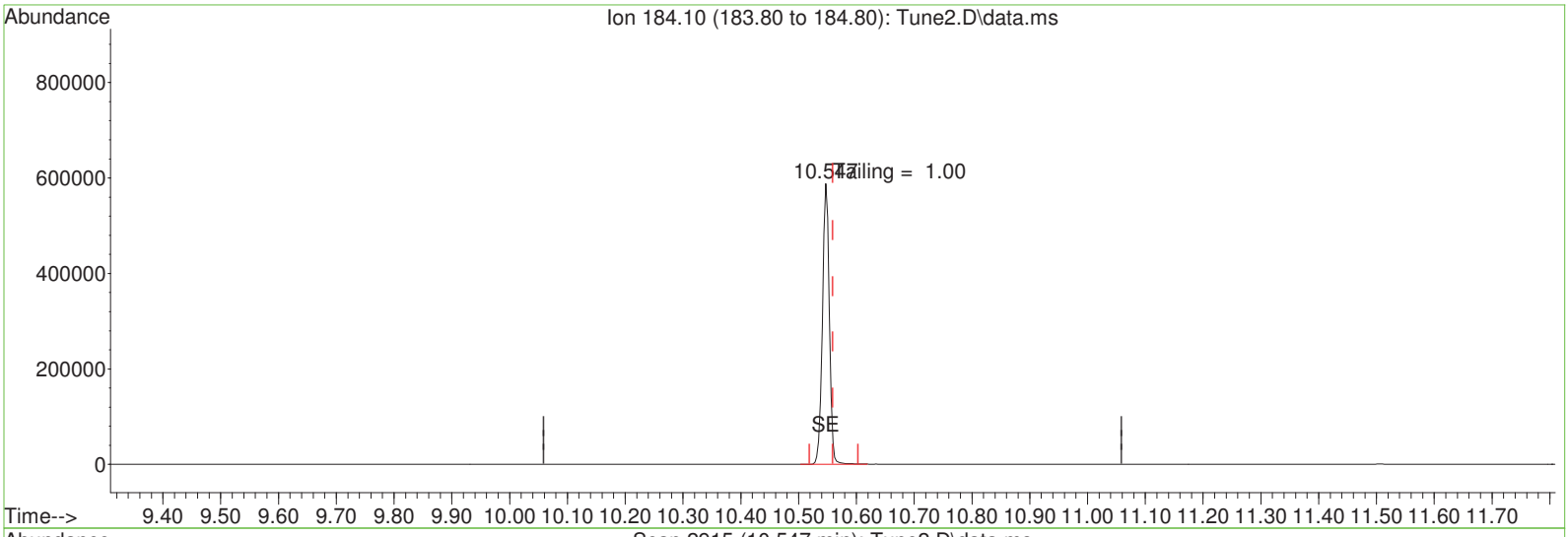
response 78890

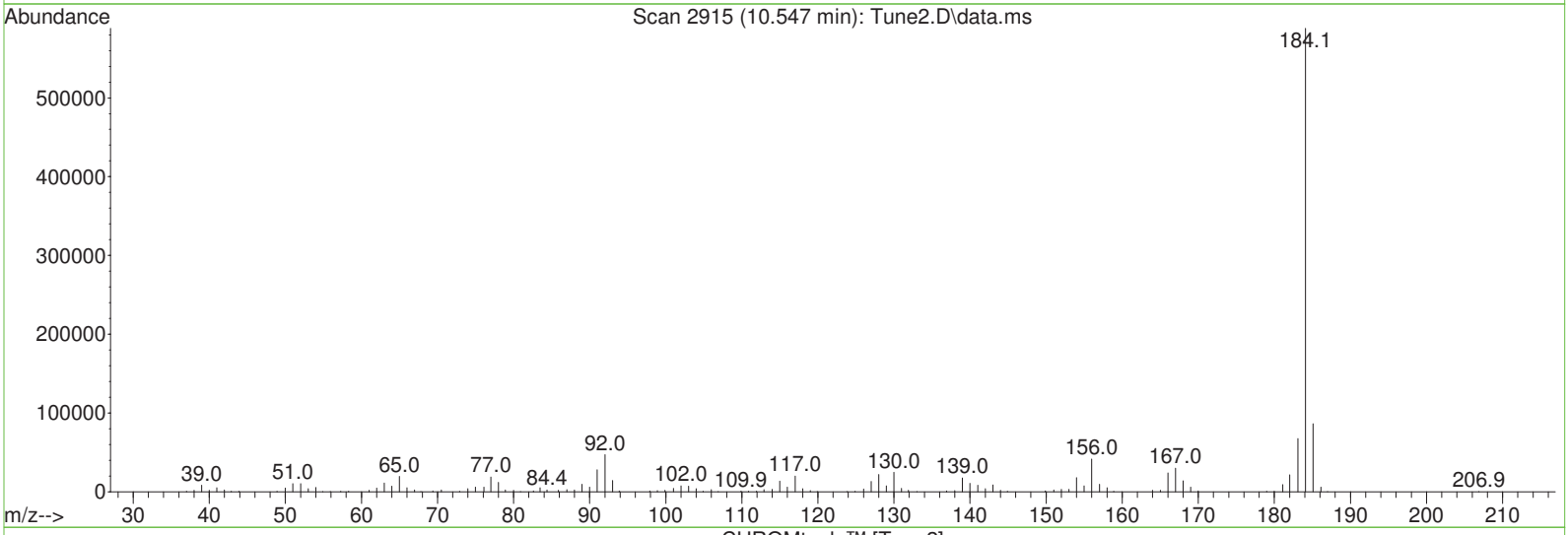
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV109\200911ical\
Data File : Tune2.D
Acq On : 12 Sep 2020 1:29 am
Operator : sv109:
Sample : Tune2
Misc :
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 14 14:32:46 2020
Quant Method : I:\8270\SV109\200911ical\dftppsv109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 14:28:08 2020
Response via : Initial Calibration





CHROMtools™ [Tune2]

(3) Benzidine (T)

10.547min (-0.012) 48.25 Lin

response 491181

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ADPL10.D
Acq On : 12 Sep 2020 1:53 am
Operator : sv109:dw
Sample : IL21,32,,ADPL200 Lot# 8899
Misc : WG1409654,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 13 12:49:04 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ADPL7.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.828	152	105046	40.000	ug/ml	0.00
Standard Area 1 = 107790			Recovery =	97.45%		
86) IS3_Acenaphthene-d10	7.774	164	221425	40.000	ug/ml	0.00
Standard Area 1 = 239521			Recovery =	92.44%		
100) IS3_Phenanthrene-d10	9.210	188	442645	40.000	ug/ml	0.00
Standard Area 1 = 476673			Recovery =	92.86%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.903	88	261573	230.823	ug/ml#	79
34) n-Decane	4.710	57	801341	233.679	ug/ml	86
87) Atrazine	8.980	200	422928	285.918	ug/ml	99
101) n-Octadecane	9.170	57	1087992	257.665	ug/ml	89
102) Parathion	9.991	109	294590	355.192	ug/ml	94
103) 3,3'-Dimethylbenzidine	11.383	212	1843892	308.984	ug/ml	99

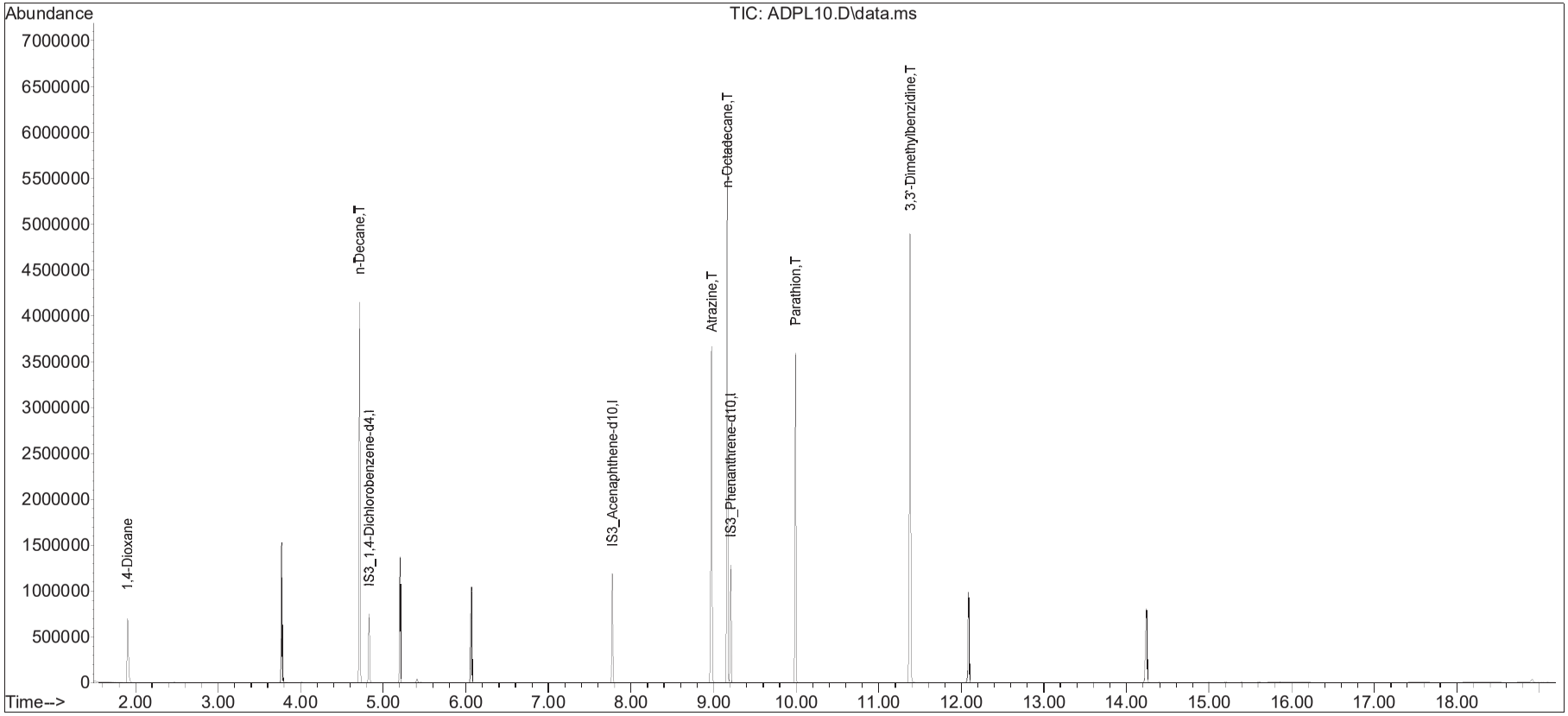
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ADPL10.D
Acq On : 12 Sep 2020 1:53 am
Operator : sv109:dw
Sample : IL21,32,,ADPL200 Lot# 8899
Misc : WG1409654,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 13 12:49:04 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistal\ADPL7.D•



Manual Integration Report

Data Path	: I:\8270\SV109\200911ical\	QMethod	: FS200911SV109.m
Data File	: ADPL10.D	Operator	: sv109:dw
Date Inj'd	: 9/12/2020 1:53 am	Instrument	: SV109
Sample	: IL21,32,,ADPL200 Lot# 8899	Quant Date	: 9/13/2020 12:02 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ADPL9.D
Acq On : 12 Sep 2020 2:18 am
Operator : sv109:dw
Sample : IL22,32,,ADPL150 Lot# 8927
Misc : WG1409654,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 13 12:52:05 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ADPL7.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.828	152	106833	40.000	ug/ml	0.00
Standard Area 1 = 107790			Recovery =	99.11%		
86) IS3_Acenaphthene-d10	7.774	164	225764	40.000	ug/ml	0.00
Standard Area 1 = 239521			Recovery =	94.26%		
100) IS3_Phenanthrene-d10	9.210	188	446799	40.000	ug/ml	0.00
Standard Area 1 = 476673			Recovery =	93.73%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.906	88	202359	175.583	ug/ml#	79
34) n-Decane	4.710	57	623253	178.707	ug/ml	86
87) Atrazine	8.977	200	315896	209.455	ug/ml	99
101) n-Octadecane	9.170	57	837357	196.465	ug/ml	89
102) Parathion	9.991	109	217236	259.490	ug/ml	94
103) 3,3'-Dimethylbenzidine	11.380	212	1342398	222.856	ug/ml	99

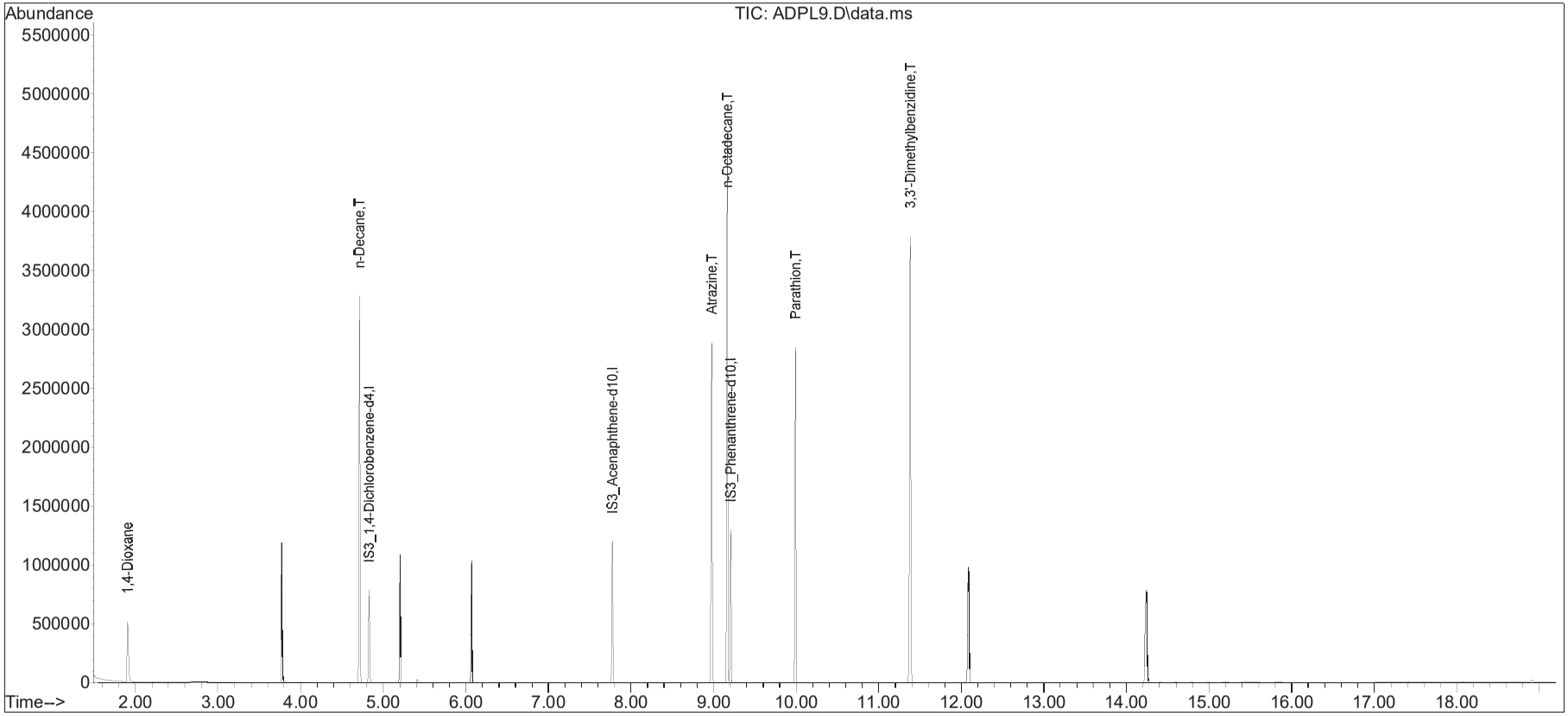
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ADPL9.D
Acq On : 12 Sep 2020 2:18 am
Operator : sv109:dw
Sample : IL22,32,,ADPL150 Lot# 8927
Misc : WG1409654,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 13 12:52:05 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistal\ADPL7.D•



Manual Integration Report

Data Path	: I:\8270\SV109\200911ical\	QMethod	: FS200911SV109.m
Data File	: ADPL9.D	Operator	: sv109:dw
Date Inj'd	: 9/12/2020 2:18 am	Instrument	: SV109
Sample	: IL22,32,,ADPL150 Lot# 8927	Quant Date	: 9/13/2020 12:04 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ADPL8.D
Acq On : 12 Sep 2020 2:43 am
Operator : sv109:dw
Sample : IL23,32,,ADPL100 Lot# 8926
Misc : WG1409654,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 13 12:51:44 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ADPL7.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.828	152	106857	40.000	ug/ml	0.00
Standard Area 1 = 107790			Recovery =	99.13%		
86) IS3_Acenaphthene-d10	7.771	164	221360	40.000	ug/ml	0.00
Standard Area 1 = 239521			Recovery =	92.42%		
100) IS3_Phenanthrene-d10	9.211	188	431959	40.000	ug/ml	0.00
Standard Area 1 = 476673			Recovery =	90.62%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.906	88	131363	113.956	ug/ml#	79
34) n-Decane	4.710	57	401650	115.140	ug/ml	87
87) Atrazine	8.974	200	195683	132.329	ug/ml	99
101) n-Octadecane	9.170	57	534718	129.768	ug/ml	90
102) Parathion	9.991	109	124779	154.170	ug/ml	94
103) 3,3'-Dimethylbenzidine	11.377	212	792322	136.055	ug/ml	99

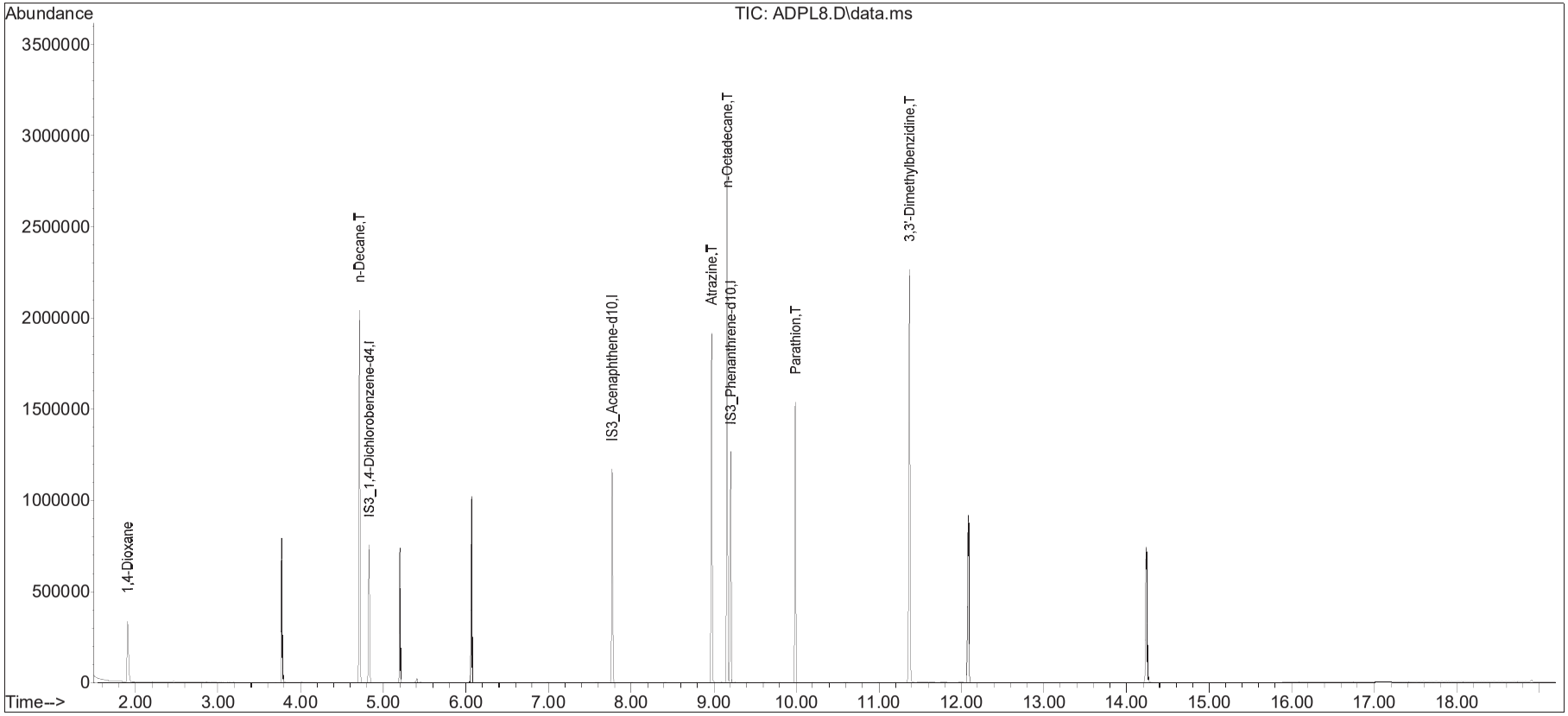
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ADPL8.D
Acq On : 12 Sep 2020 2:43 am
Operator : sv109:dw
Sample : IL23,32,,ADPL100 Lot# 8926
Misc : WG1409654,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 13 12:51:44 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistal\ADPL7.D•



Manual Integration Report

Data Path	: I:\8270\SV109\200911ical\	QMethod	: FS200911SV109.m
Data File	: ADPL8.D	Operator	: sv109:dw
Date Inj'd	: 9/12/2020 2:43 am	Instrument	: SV109
Sample	: IL23,32,,ADPL100 Lot# 8926	Quant Date	: 9/13/2020 12:04 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ADPL7.D
Acq On : 12 Sep 2020 3:07 am
Operator : sv109:dw
Sample : IL24,32,,ADPL50 Lot# 8925
Misc : WG1409654,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 13 12:51:08 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ADPL7.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.828	152	107790	40.000	ug/ml	0.00
Standard Area 1 = 107790			Recovery = 100.00%			
86) IS3_Acenaphthene-d10	7.775	164	239521	40.000	ug/ml	0.00
Standard Area 1 = 239521			Recovery = 100.00%			
100) IS3_Phenanthrene-d10	9.210	188	476673	40.000	ug/ml	0.00
Standard Area 1 = 476673			Recovery = 100.00%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.906	88	58143	50.002	ug/ml#	78
34) n-Decane	4.707	57	175941	50.000	ug/ml	88
87) Atrazine	8.971	200	80004	50.000	ug/ml	99
101) n-Octadecane	9.170	57	226885	49.897	ug/ml	91
102) Parathion	9.988	109	44657	50.000	ug/ml	93
103) 3,3'-Dimethylbenzidine	11.374	212	320302	49.842	ug/ml	99

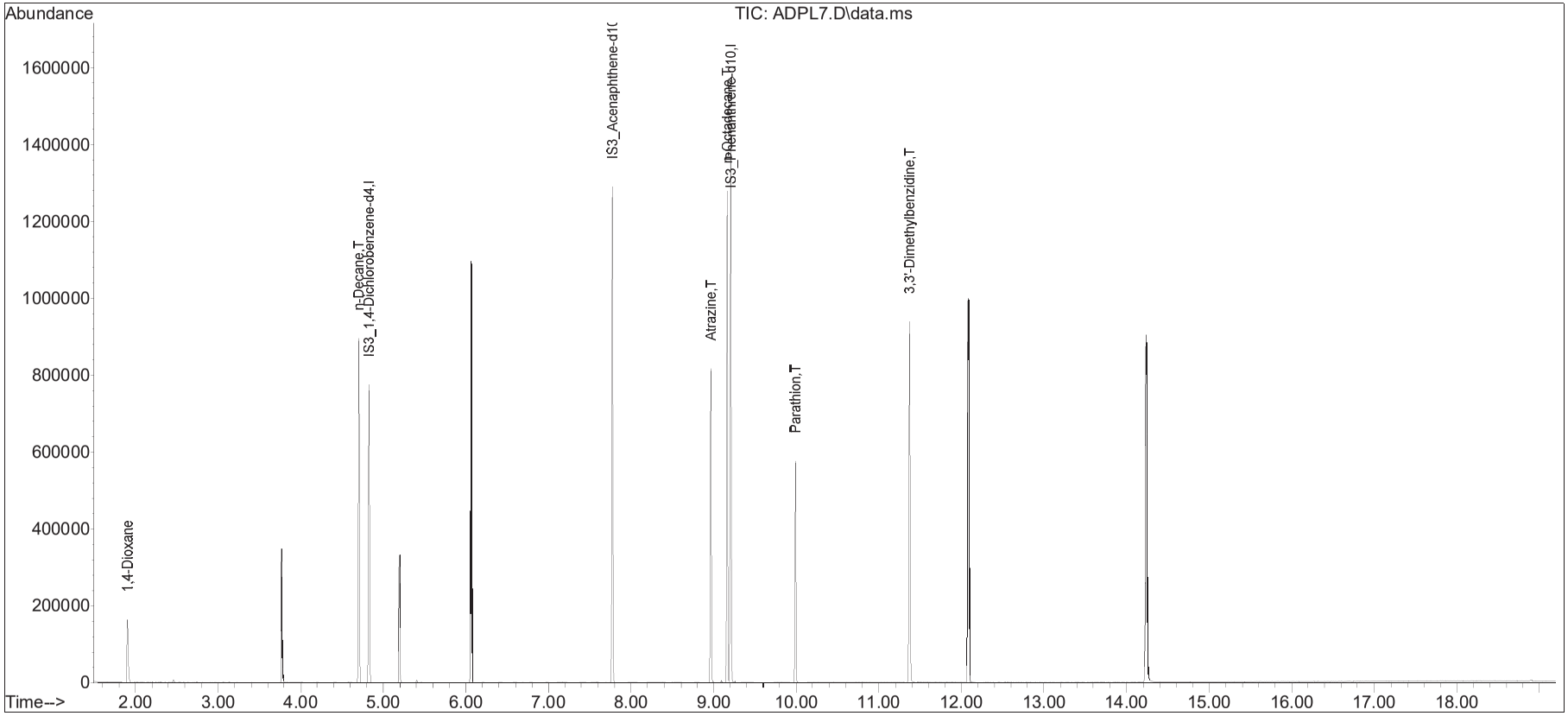
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ADPL7.D
Acq On : 12 Sep 2020 3:07 am
Operator : sv109:dw
Sample : IL24,32,,ADPL50 Lot# 8925
Misc : WG1409654,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 13 12:51:08 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistal\ADPL7.D•



Manual Integration Report

Data Path	: I:\8270\SV109\200911ical\	QMethod	: FS200911SV109.m
Data File	: ADPL7.D	Operator	: sv109:dw
Date Inj'd	: 9/12/2020 3:07 am	Instrument	: SV109
Sample	: IL24,32,,ADPL50 Lot# 8925	Quant Date	: 9/13/2020 12:03 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ADPL6.D
Acq On : 12 Sep 2020 3:32 am
Operator : sv109:dw
Sample : IL25,32,,ADPL20 Lot# 8924
Misc : WG1409654,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 14 13:41:15 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 13:39:13 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ADPL7.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.828	152	122757	40.000	ug/ml	0.00
Standard Area 1 = 107790			Recovery = 113.89%			
86) IS3_Acenaphthene-d10	7.775	164	269548	40.000	ug/ml	0.00
Standard Area 1 = 239521			Recovery = 112.54%			
100) IS3_Phenanthrene-d10	9.210	188	515519	40.000	ug/ml	0.00
Standard Area 1 = 476673			Recovery = 108.15%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.906	88	27522	18.169	ug/ml#	79
34) n-Decane	4.710	57	81366	17.849	ug/ml	88
87) Atrazine	8.968	200	32148	17.982	ug/ml	99
101) n-Octadecane	9.167	57	97091	18.654	ug/ml	92
102) Parathion	9.987	109	14272	18.098	ug/ml	92
103) 3,3'-Dimethylbenzidine	11.374	212	109083	17.185	ug/ml	98

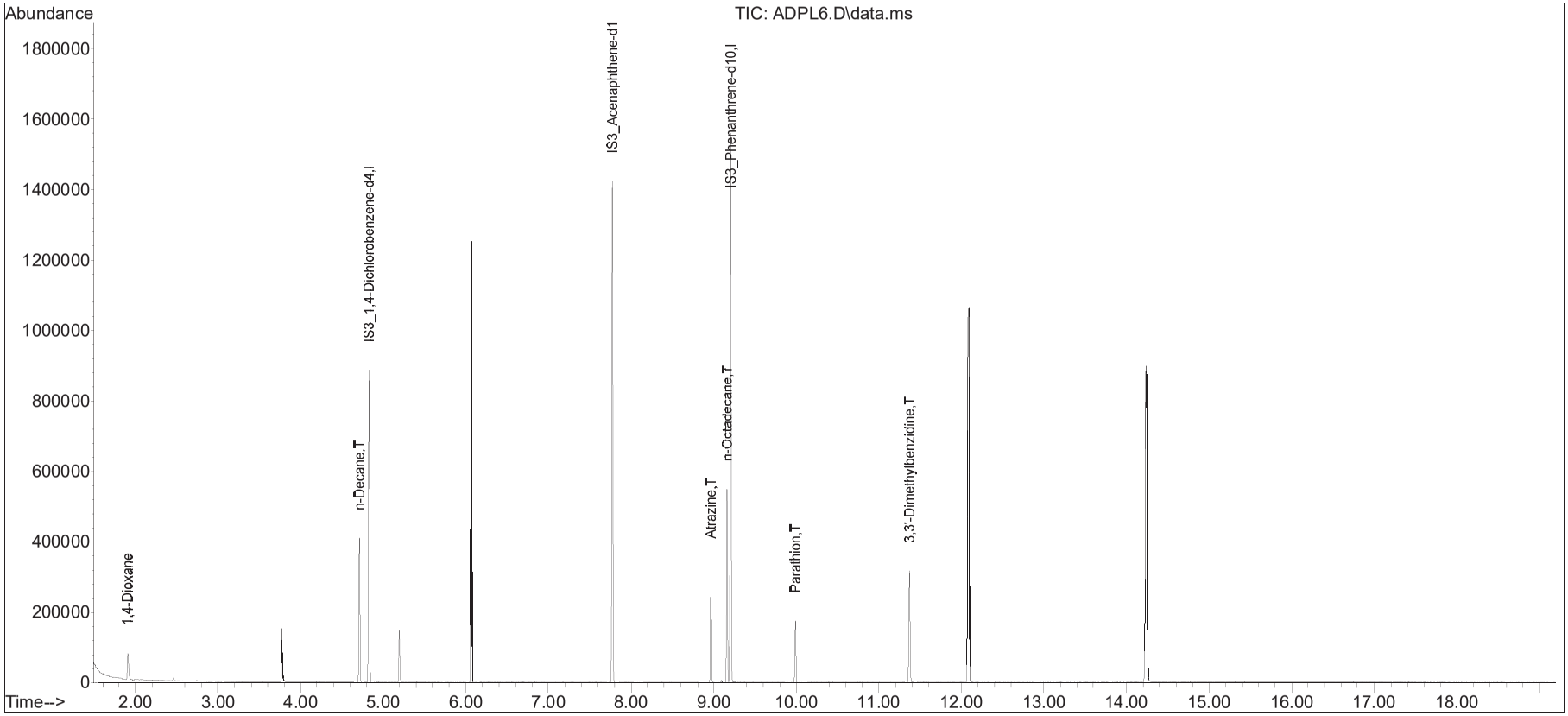
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ADPL6.D
Acq On : 12 Sep 2020 3:32 am
Operator : sv109:dw
Sample : IL25,32,,ADPL20 Lot# 8924
Misc : WG1409654,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 14 13:41:15 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 13:39:13 2020
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistal\ADPL7.D•



Manual Integration Report

Data Path	: I:\8270\SV109\200911ical\	QMethod	: FS200911SV109.m
Data File	: ADPL6.D	Operator	: sv109:dw
Date Inj'd	: 9/12/2020 3:32 am	Instrument	: SV109
Sample	: IL25,32,,ADPL20 Lot# 8924	Quant Date	: 9/14/2020 1:41 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ADPL5.D
Acq On : 12 Sep 2020 3:57 am
Operator : sv109:dw
Sample : IL26,32,,ADPL10 Lot# 8923
Misc : WG1409654,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 13 12:50:32 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ADPL7.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.828	152	121950	40.000	ug/ml	0.00
Standard Area 1 = 107790			Recovery = 113.14%			
86) IS3_Acenaphthene-d10	7.775	164	263945	40.000	ug/ml	0.00
Standard Area 1 = 239521			Recovery = 110.20%			
100) IS3_Phenanthrene-d10	9.210	188	522084	40.000	ug/ml	0.00
Standard Area 1 = 476673			Recovery = 109.53%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.910	88	13527	10.282	ug/ml#	78
34) n-Decane	4.710	57	40554	10.187	ug/ml	87
87) Atrazine	8.968	200	14998	8.506	ug/ml	97
101) n-Octadecane	9.167	57	46336	9.304	ug/ml	92
102) Parathion	9.988	109	6514	6.659	ug/ml	92
103) 3,3'-Dimethylbenzidine	11.374	212	49950	7.097	ug/ml	99

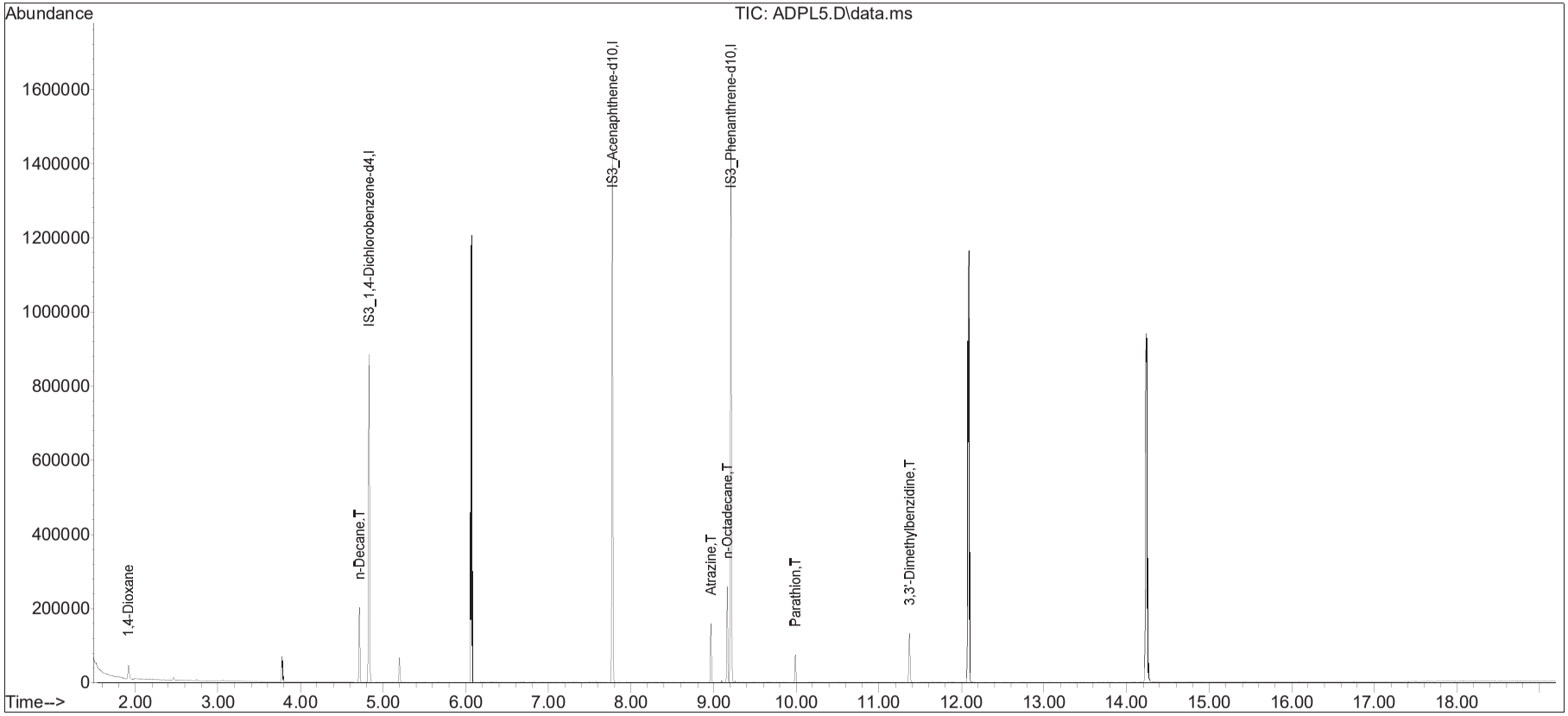
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ADPL5.D
Acq On : 12 Sep 2020 3:57 am
Operator : sv109:dw
Sample : IL26,32,,ADPL10 Lot# 8923
Misc : WG1409654,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 13 12:50:32 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistal\ADPL7.D•



Manual Integration Report

Data Path	: I:\8270\SV109\200911ical\	QMethod	: FS200911SV109.m
Data File	: ADPL5.D	Operator	: sv109:dw
Date Inj'd	: 9/12/2020 3:57 am	Instrument	: SV109
Sample	: IL26,32,,ADPL10 Lot# 8923	Quant Date	: 9/13/2020 12:03 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ADPL4.D
Acq On : 12 Sep 2020 4:22 am
Operator : sv109:dw
Sample : IL27,32,,ADPL5 Lot# 8922
Misc : WG1409654,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 13 12:50:12 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ADPL7.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.828	152	111232	40.000	ug/ml	0.00
Standard Area 1 = 107790			Recovery = 103.19%			
86) IS3_Acenaphthene-d10	7.774	164	245543	40.000	ug/ml	0.00
Standard Area 1 = 239521			Recovery = 102.51%			
100) IS3_Phenanthrene-d10	9.210	188	478469	40.000	ug/ml	0.00
Standard Area 1 = 476673			Recovery = 100.38%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.913	88	6610	5.509	ug/ml#	66
34) n-Decane	4.710	57	19448	5.356	ug/ml	87
87) Atrazine	8.968	200	6645	4.051	ug/ml	97
101) n-Octadecane	9.170	57	20112	4.406	ug/ml	93
102) Parathion	9.987	109	2739	3.055	ug/ml#	79
103) 3,3'-Dimethylbenzidine	11.374	212	18161	2.815	ug/ml	99

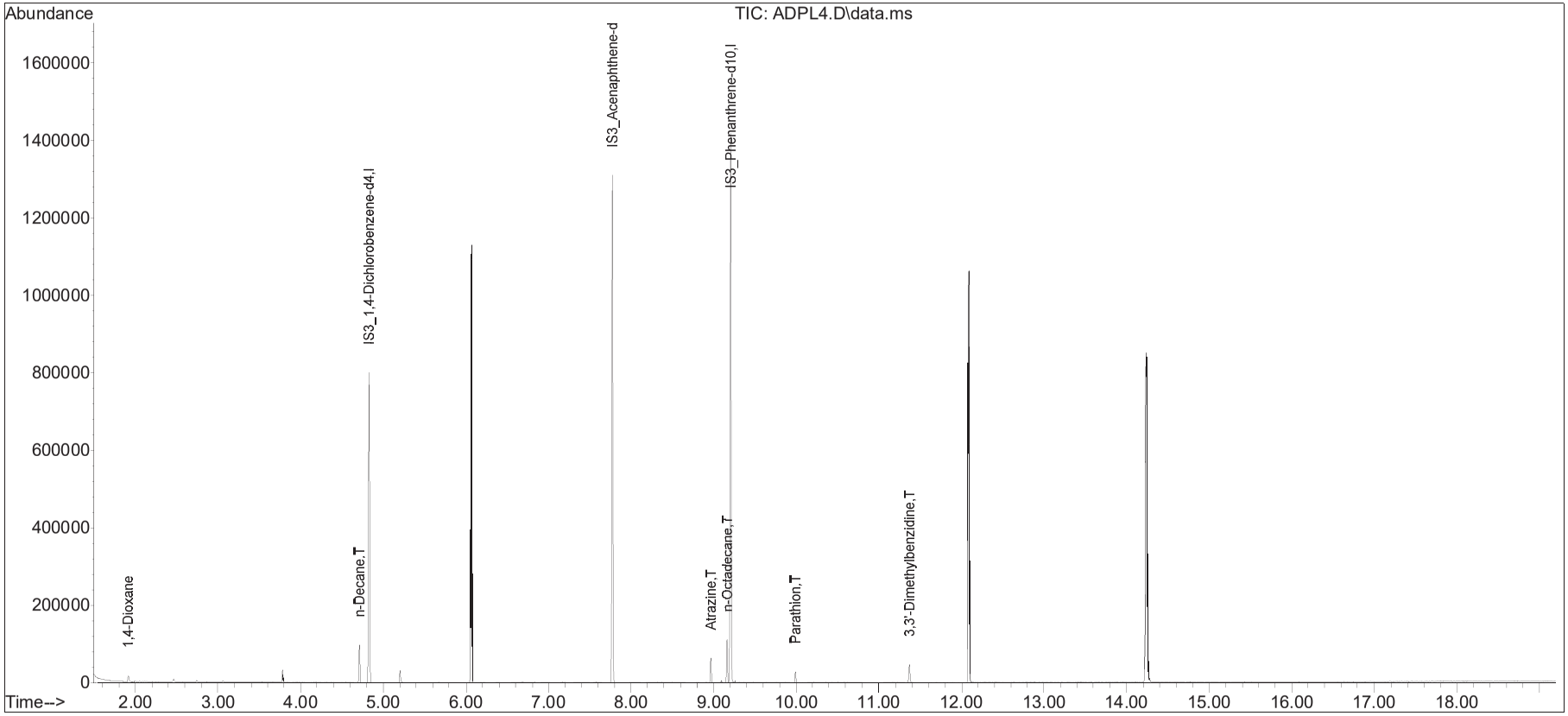
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ADPL4.D
Acq On : 12 Sep 2020 4:22 am
Operator : sv109:dw
Sample : IL27,32,,ADPL5 Lot# 8922
Misc : WG1409654,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 13 12:50:12 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Sep 13 11:59:42 2020
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistal\ADPL7.D•



Manual Integration Report

Data Path	: I:\8270\SV109\200911ical\	QMethod	: FS200911SV109.m
Data File	: ADPL4.D	Operator	: sv109:dw
Date Inj'd	: 9/12/2020 4:22 am	Instrument	: SV109
Sample	: IL27,32,,ADPL5 Lot# 8922	Quant Date	: 9/13/2020 12:03 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ADPL3.D
Acq On : 12 Sep 2020 4:46 am
Operator : sv109:dw
Sample : IL28,32,,ADPL3 Lot# 8921
Misc : WG1409654,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 14 13:36:56 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 13:36:22 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ADPL7.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.828	152	115920	40.000	ug/ml	0.00
Standard Area 1 = 107790			Recovery = 107.54%			
86) IS3_Acenaphthene-d10	7.774	164	256653	40.000	ug/ml	0.00
Standard Area 1 = 239521			Recovery = 107.15%			
100) IS3_Phenanthrene-d10	9.210	188	494569	40.000	ug/ml	0.00
Standard Area 1 = 476673			Recovery = 103.75%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.913	88	5104	3.424	ug/ml#	75
34) n-Decane	4.710	57	12498	2.903	ug/ml	90
87) Atrazine	8.968	200	4191	3.526	ug/ml#	36
101) n-Octadecane	9.167	57	13130	2.630	ug/ml	92
102) Parathion	9.987	109	1807M2	3.577	ug/ml	
103) 3,3'-Dimethylbenzidine	11.374	212	11634	3.813	ug/ml#	62

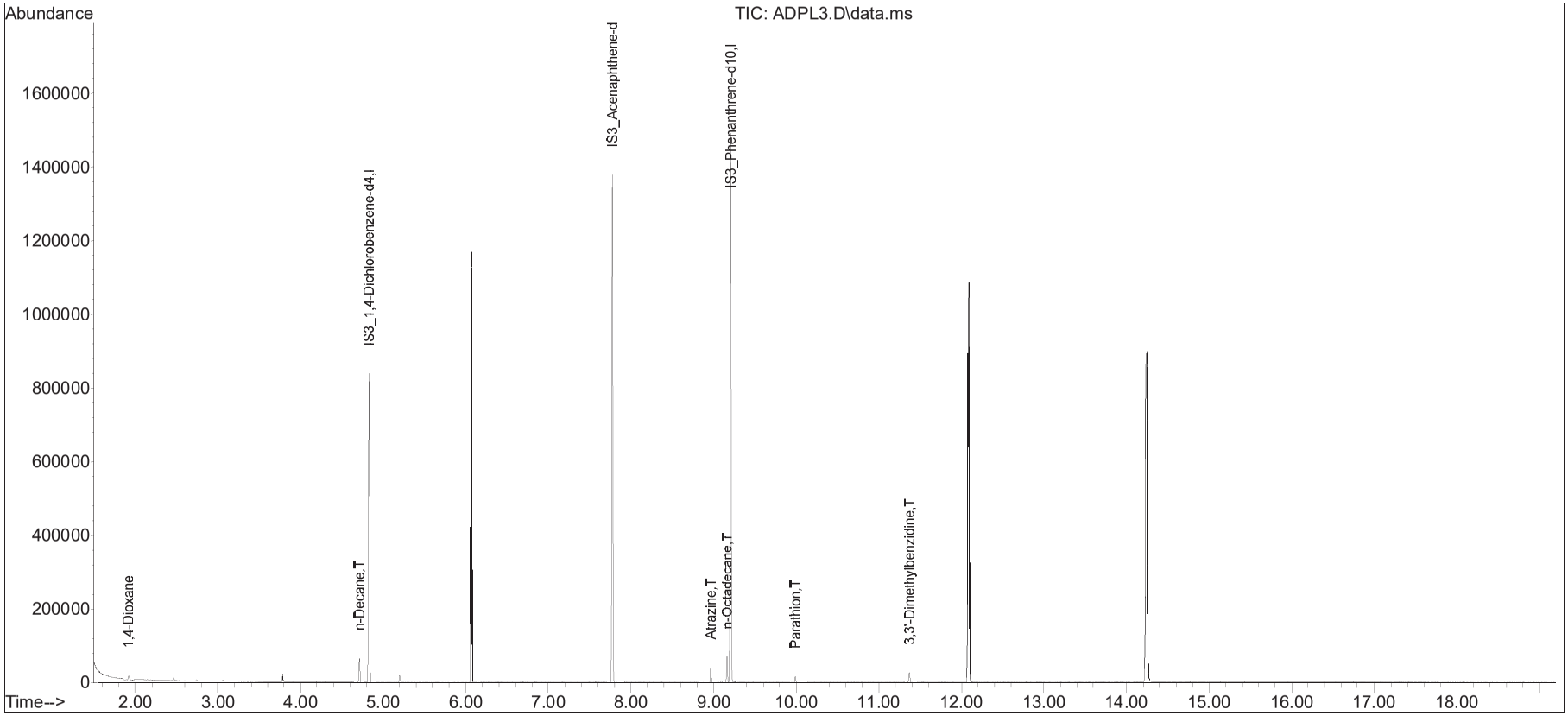
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ADPL3.D
Acq On : 12 Sep 2020 4:46 am
Operator : sv109:dw
Sample : IL28,32,,ADPL3 Lot# 8921
Misc : WG1409654,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 14 13:36:56 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 13:36:22 2020
Response via : Initial Calibration

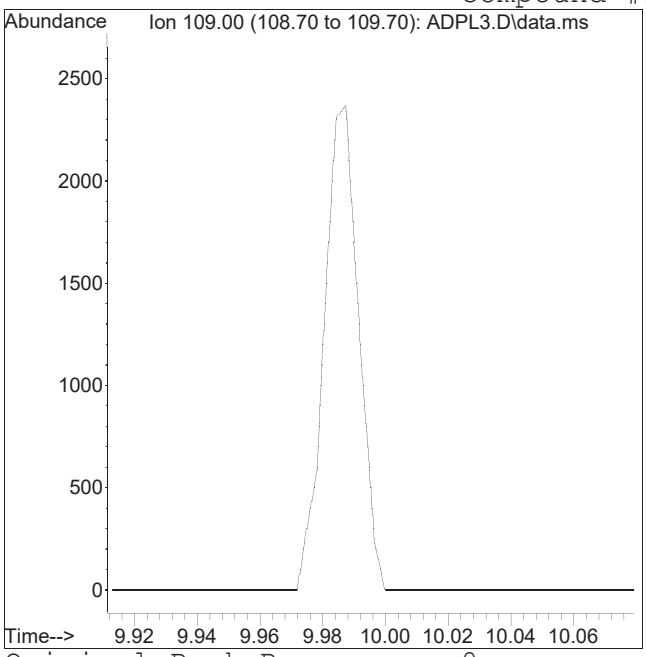
Sub List : ADPical_REV2 - ADP sublistal\ADPL7.D•



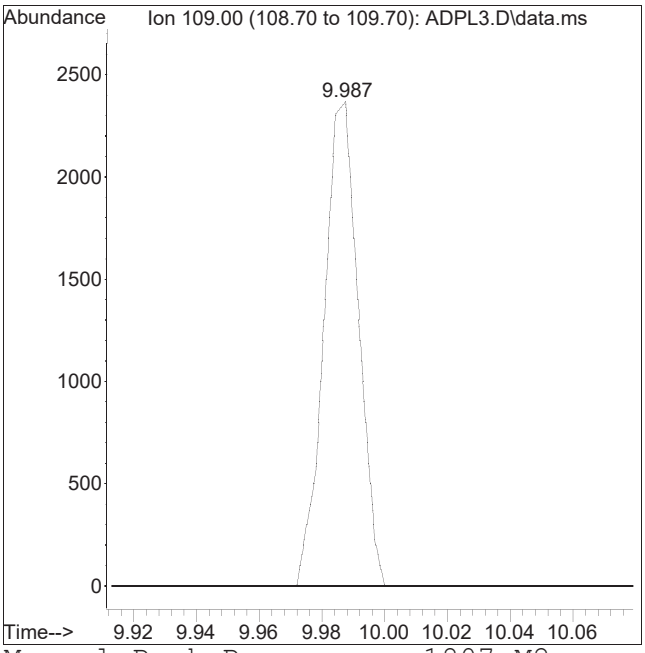
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : ADPL3.D Operator : sv109:dw
Date Inj'd : 9/12/2020 4:46 am Instrument : SV109
Sample : IL28,32,,ADPL3 Lot# 8921 Quant Date : 9/14/2020 1:36 pm

Compound #102: Parathion



Original Peak Response = 0



Manual Peak Response = 1807 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ADPL2.D
Acq On : 12 Sep 2020 5:11 am
Operator : sv109:dw
Sample : IL29,32,,ADPL2 Lot# 8920
Misc : WG1409654,,
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 14 12:18:06 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 10:11:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ADPL7.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.828	152	118762	40.000	ug/ml	0.00
Standard Area 1 = 107790			Recovery = 110.18%			
86) IS3_Acenaphthene-d10	7.774	164	260427	40.000	ug/ml	0.00
Standard Area 1 = 239521			Recovery = 108.73%			
100) IS3_Phenanthrene-d10	9.210	188	501019	40.000	ug/ml	0.00
Standard Area 1 = 476673			Recovery = 105.11%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.913	88	2990	1.882	ug/ml#	65
34) n-Decane	4.710	57	8957	2.031	ug/ml	89
87) Atrazine	8.968	200	2806	2.720	ug/ml#	36
101) n-Octadecane	9.170	57	8654	1.711	ug/ml	94
102) Parathion	9.987	109	1123M2	2.604	ug/ml	
103) 3,3'-Dimethylbenzidine	11.371	212	7449	2.621	ug/ml#	62

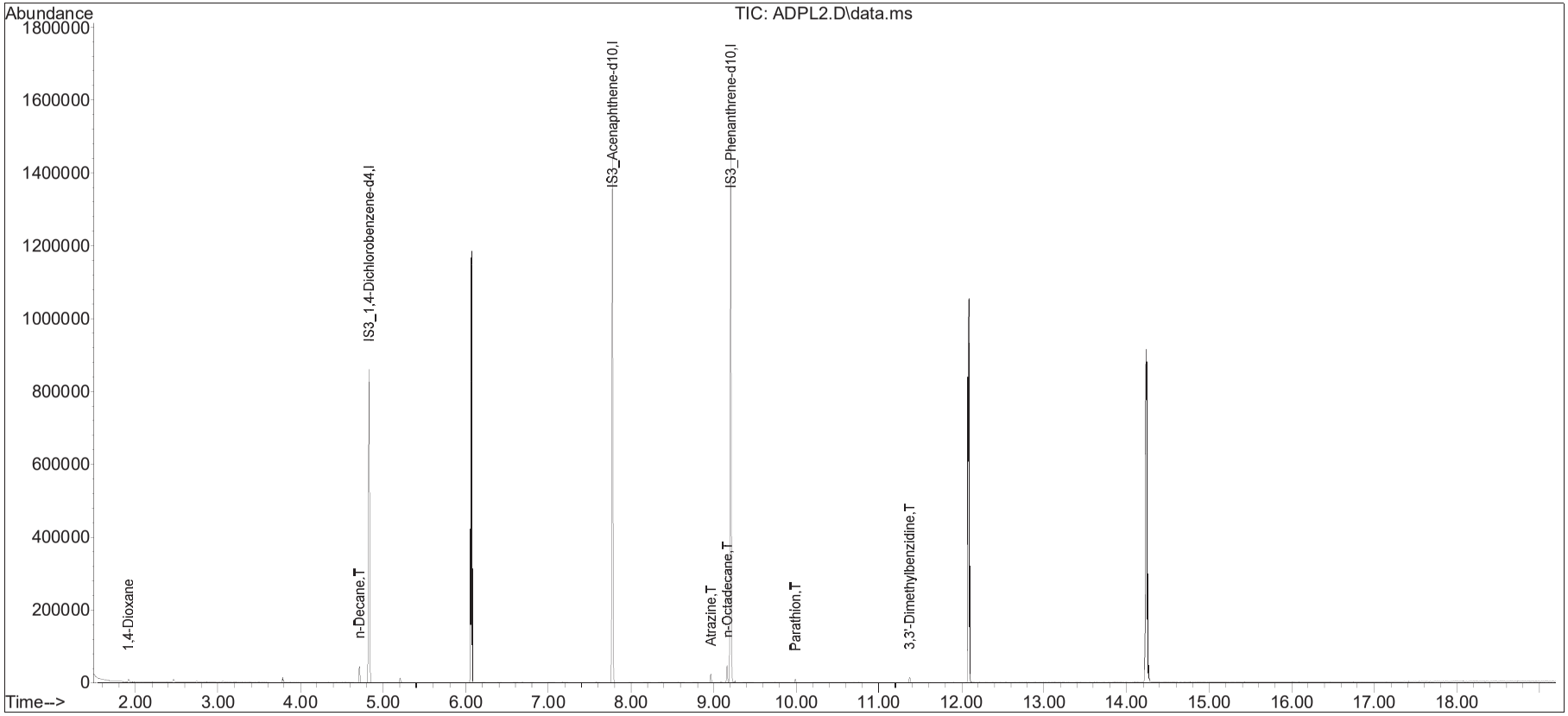
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ADPL2.D
Acq On : 12 Sep 2020 5:11 am
Operator : sv109:dw
Sample : IL29,32,,ADPL2 Lot# 8920
Misc : WG1409654,,
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 14 12:18:06 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 10:11:38 2020
Response via : Initial Calibration

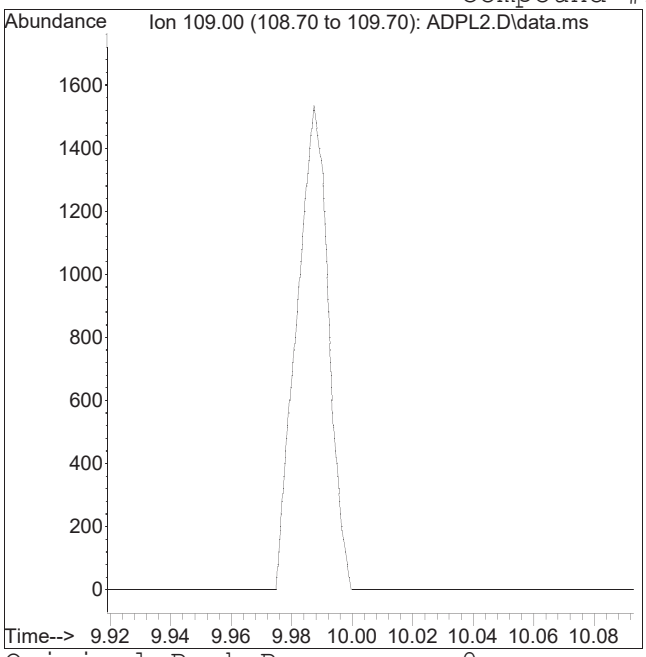
Sub List : ADPical_REV2 - ADP sublistal\ADPL7.D•

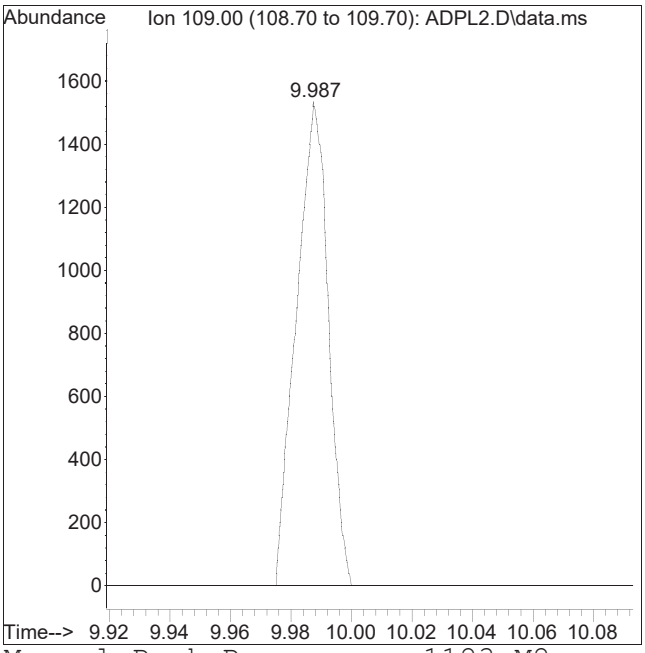


Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : ADPL2.D Operator : sv109:dw
Date Inj'd : 9/12/2020 5:11 am Instrument : SV109
Sample : IL29,32,,ADPL2 Lot# 8920 Quant Date : 9/14/2020 12:17 pm

Compound #102: Parathion



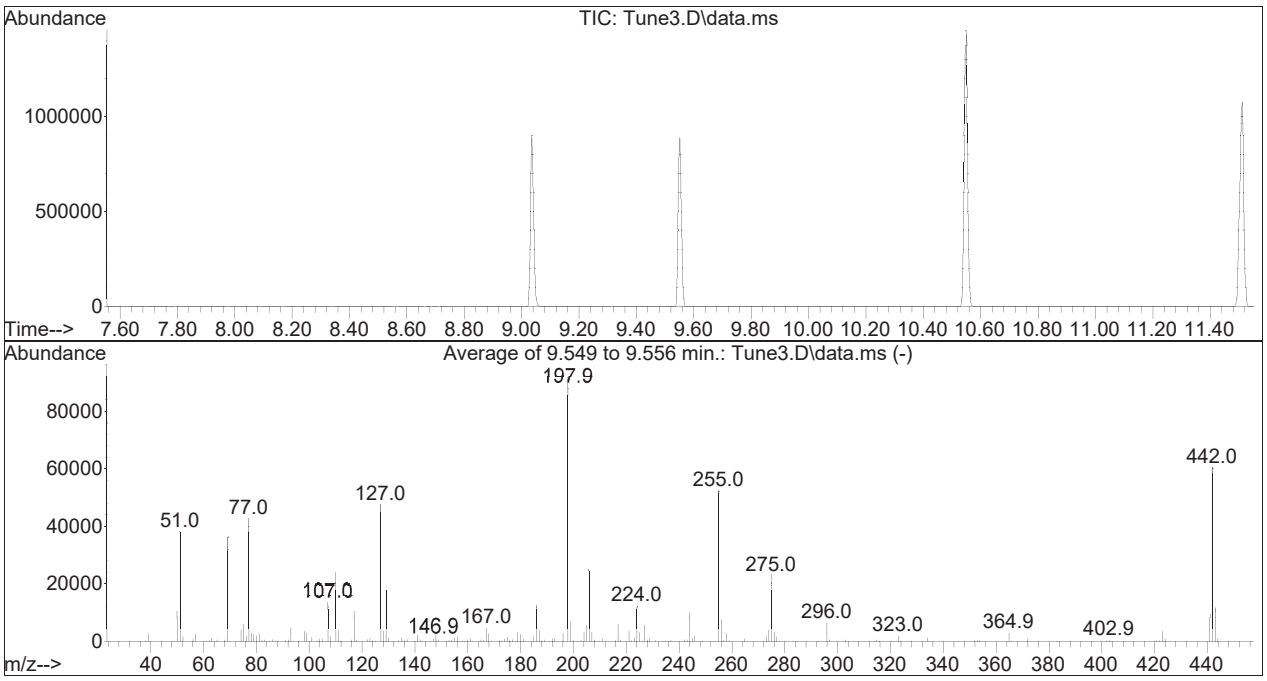


Original Peak Response = 0 Manual Peak Response = 1123 M2
M2 = Peak not found by automatic integration algorithm.

Data Path : I:\8270\SV109\200911ical\
Data File : Tune3.D
Acq On : 14 Sep 2020 8:40 am
Operator : sv109:dw
Sample : Tune3
Misc : WG1409654,,
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV109\200911ical\FS200911SV109.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Sep 14 13:39:11 2020



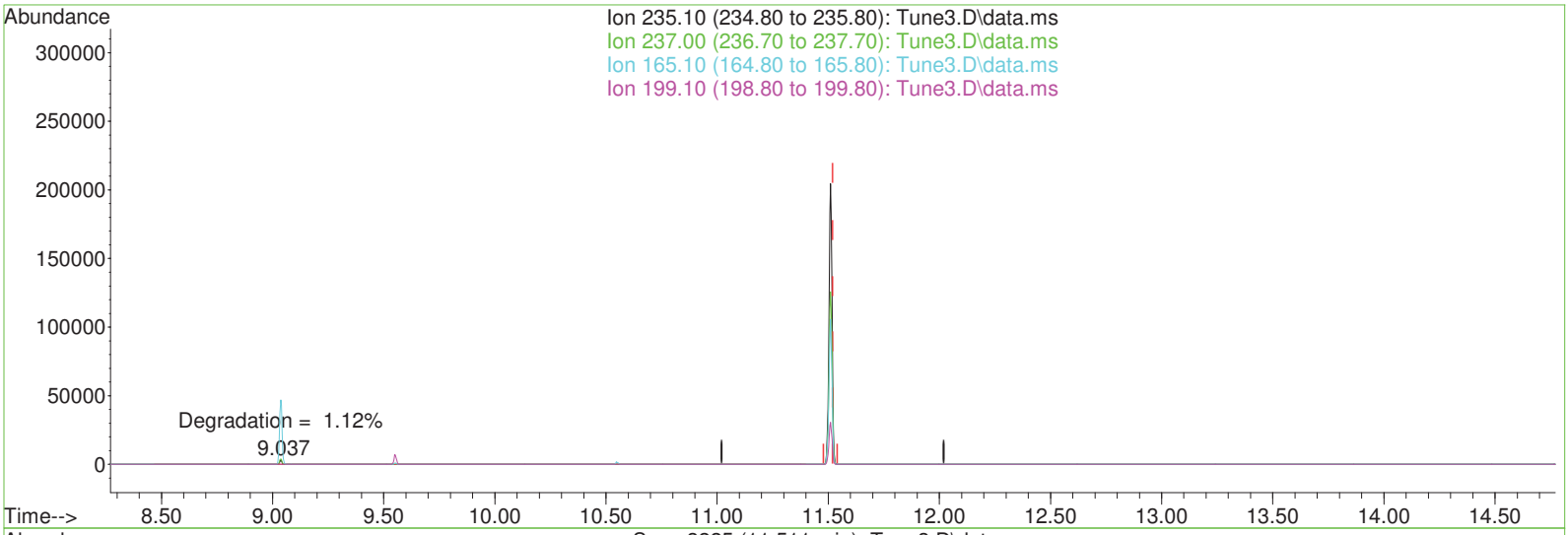
Spectrum Information: Average of 9.549 to 9.556 min.

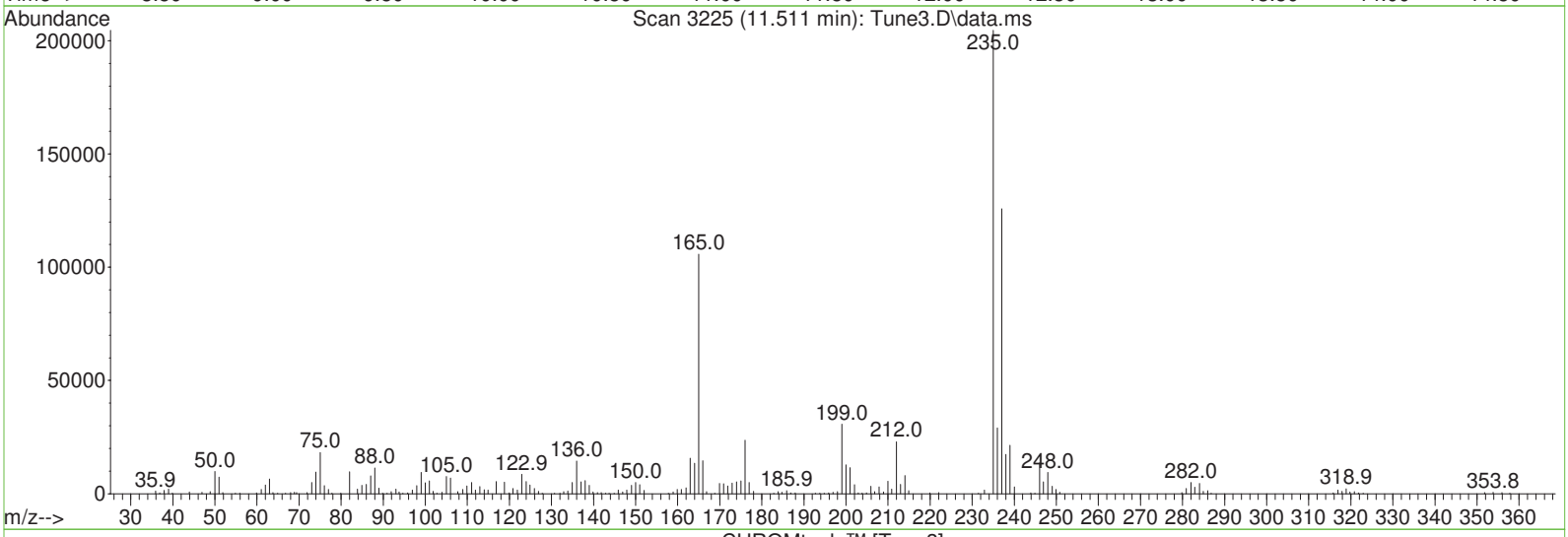
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	41.5	38067	PASS
68	69	0.00	2	2.0	726	PASS
69	69	100	100	100.0	36509	PASS
70	69	0.00	2	0.6	216	PASS
127	198	10	80	51.8	47544	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	91696	PASS
199	198	5	9	6.9	6323	PASS
275	198	10	60	25.0	22928	PASS
365	198	1	100	3.3	3003	PASS
441	442	0.01	24	15.5	9367	PASS
442	198	50	100	65.9	60389	PASS
443	442	15	24	19.6	11815	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV109\200911ical\
Data File : Tune3.D
Acq On : 14 Sep 2020 8:40 am
Operator : sv109:
Sample : Tune3
Misc :
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 14 14:35:58 2020
Quant Method : I:\8270\SV109\200911ical\dftppsv109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 14:28:08 2020
Response via : Initial Calibration





CHROMtools™ [Tune3]

(6) DDT (T)

11.511min (-0.009) 32.67 Lin

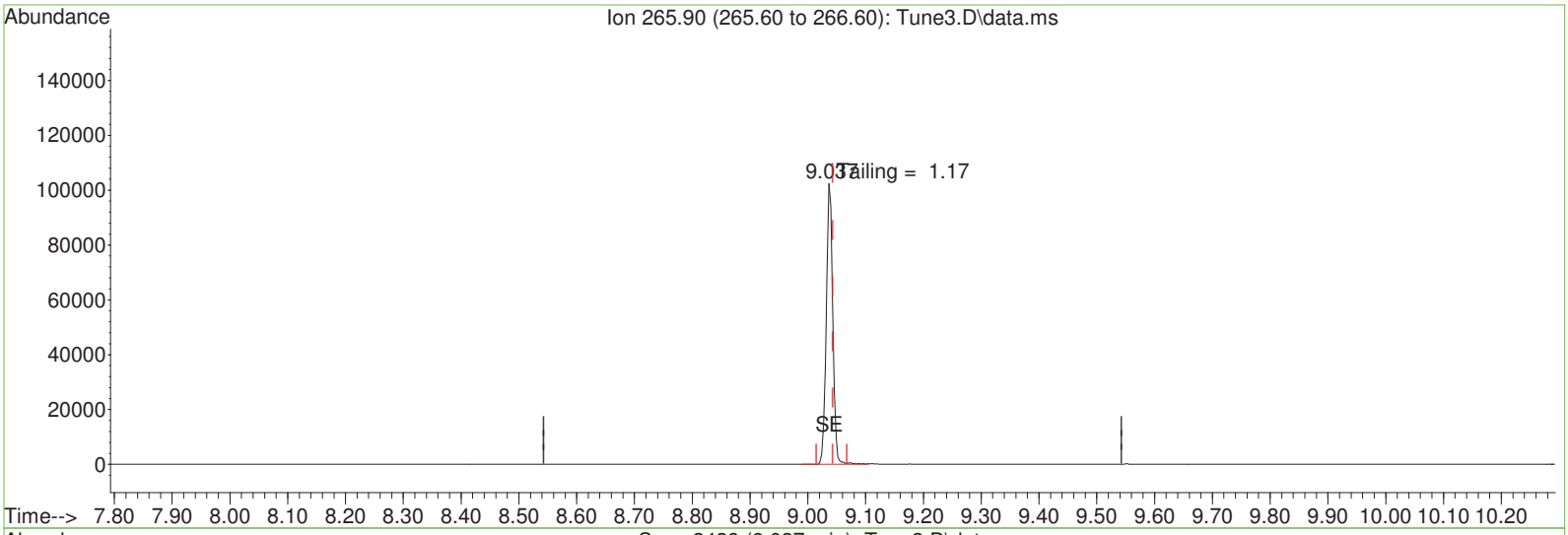
response 199173

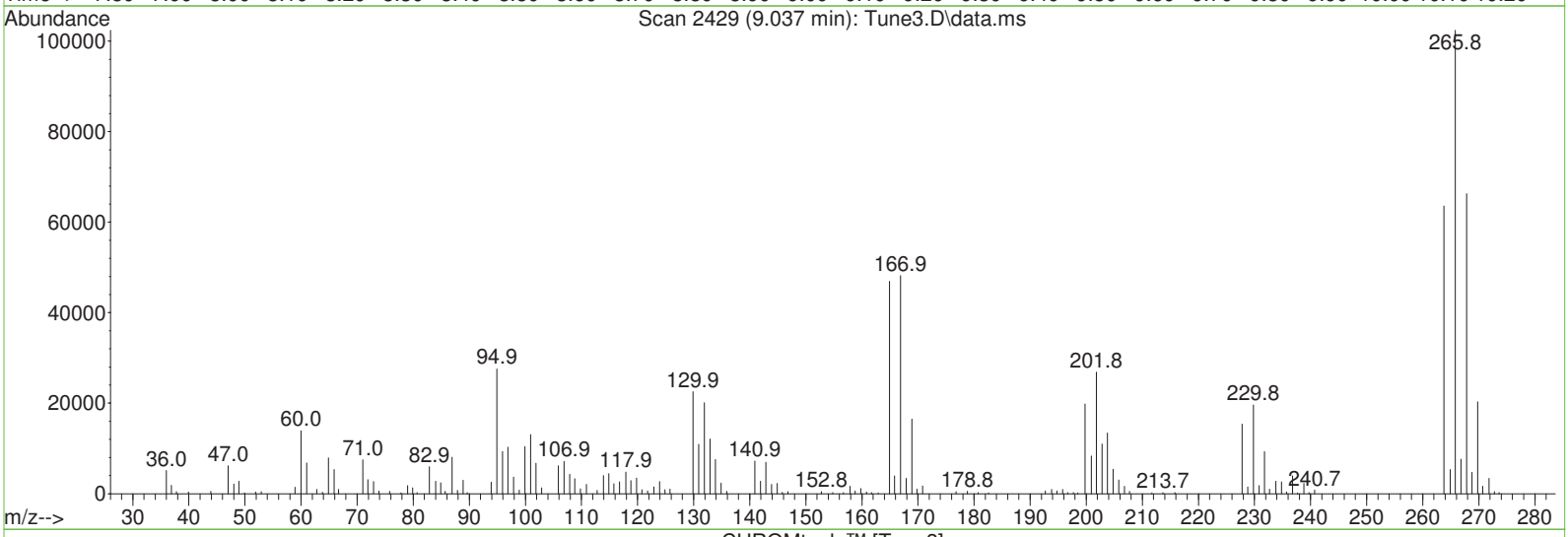
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.10	63.22
165.10	49.00	51.24
199.10	12.10	15.13

Quantitation Report (Qedit)

Data Path : I:\8270\SV109\200911ical\
Data File : Tune3.D
Acq On : 14 Sep 2020 8:40 am
Operator : sv109:
Sample : Tune3
Misc :
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 14 14:35:58 2020
Quant Method : I:\8270\SV109\200911ical\dftppsv109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 14:28:08 2020
Response via : Initial Calibration





CHROMtools™ [Tune3]

(1) Pentachlorophenol (T)

9.037min (-0.006) 38.02 Lin

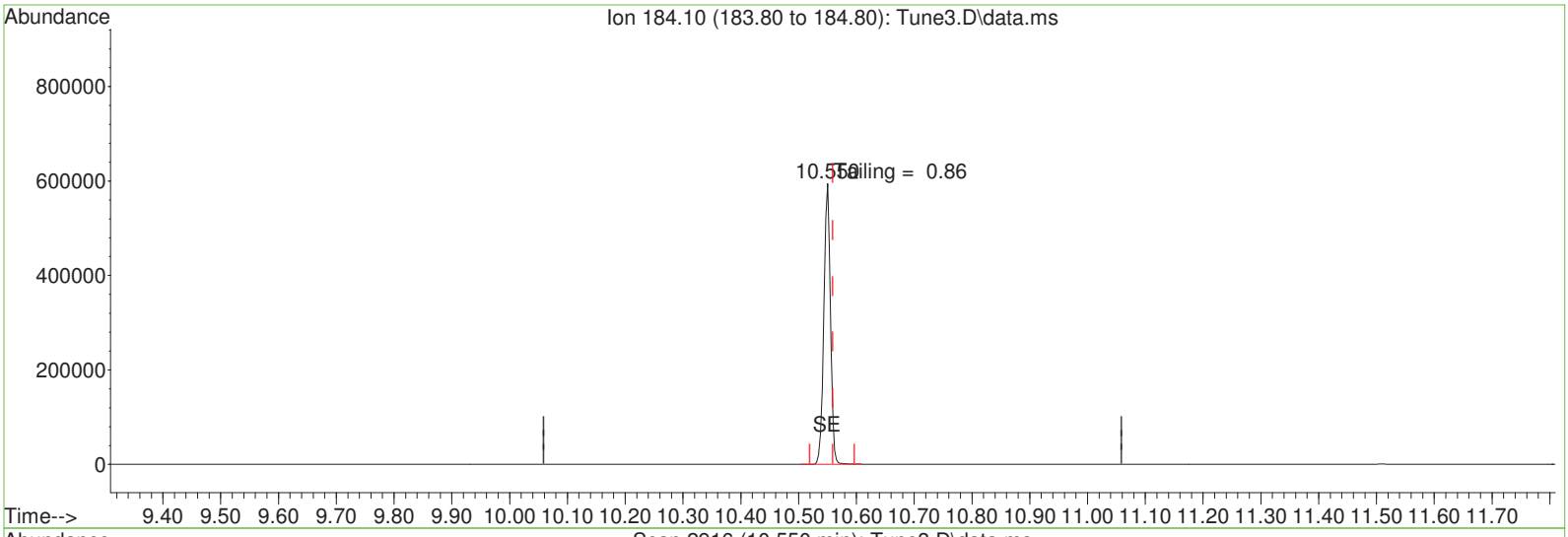
response 79850

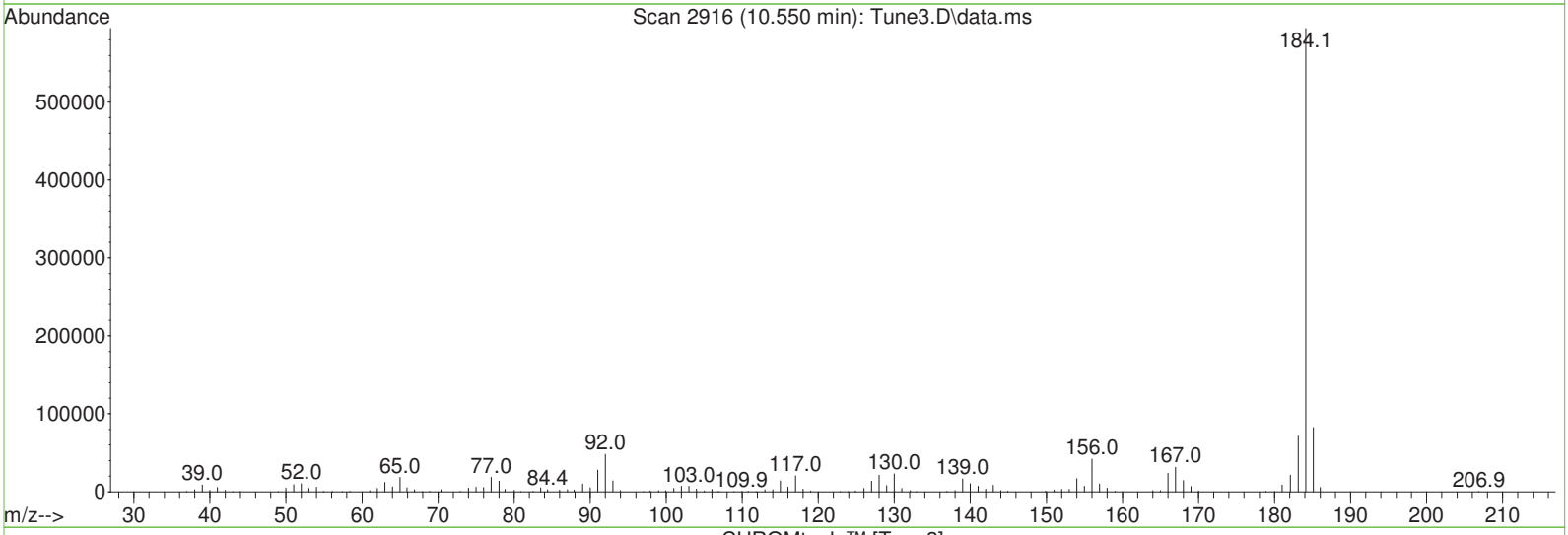
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV109\200911ical\
Data File : Tune3.D
Acq On : 14 Sep 2020 8:40 am
Operator : sv109:
Sample : Tune3
Misc :
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 14 14:35:58 2020
Quant Method : I:\8270\SV109\200911ical\dftppsv109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 14:28:08 2020
Response via : Initial Calibration





CHROMtools™ [Tune3]

(3) Benzidine (T)

10.550min (-0.009) 46.79 Lin

response 476333

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ADPL1a.D
Acq On : 14 Sep 2020 9:04 am
Operator : sv109:dw
Sample : IL29,32,,ADPL0.5 Lot# 8919
Misc : WG1409654,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 12:17:46 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 10:11:38 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ADPL7.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.828	152	105860	40.000	ug/ml	0.00
Standard Area 1 = 107790			Recovery =	98.21%		
86) IS3_Acenaphthene-d10	7.775	164	223338	40.000	ug/ml	0.00
Standard Area 1 = 239521			Recovery =	93.24%		
100) IS3_Phenanthrene-d10	9.210	188	431687	40.000	ug/ml	0.00
Standard Area 1 = 476673			Recovery =	90.56%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.922	88	1039M2	0.624	ug/ml	
34) n-Decane	4.707	57	2597M2	0.661	ug/ml	
87) Atrazine	0.000		0	N.D.		
101) n-Octadecane	0.000		0	N.D.	d	
102) Parathion	0.000		0	N.D.		
103) 3,3'-Dimethylbenzidine	0.000		0	N.D.	d	

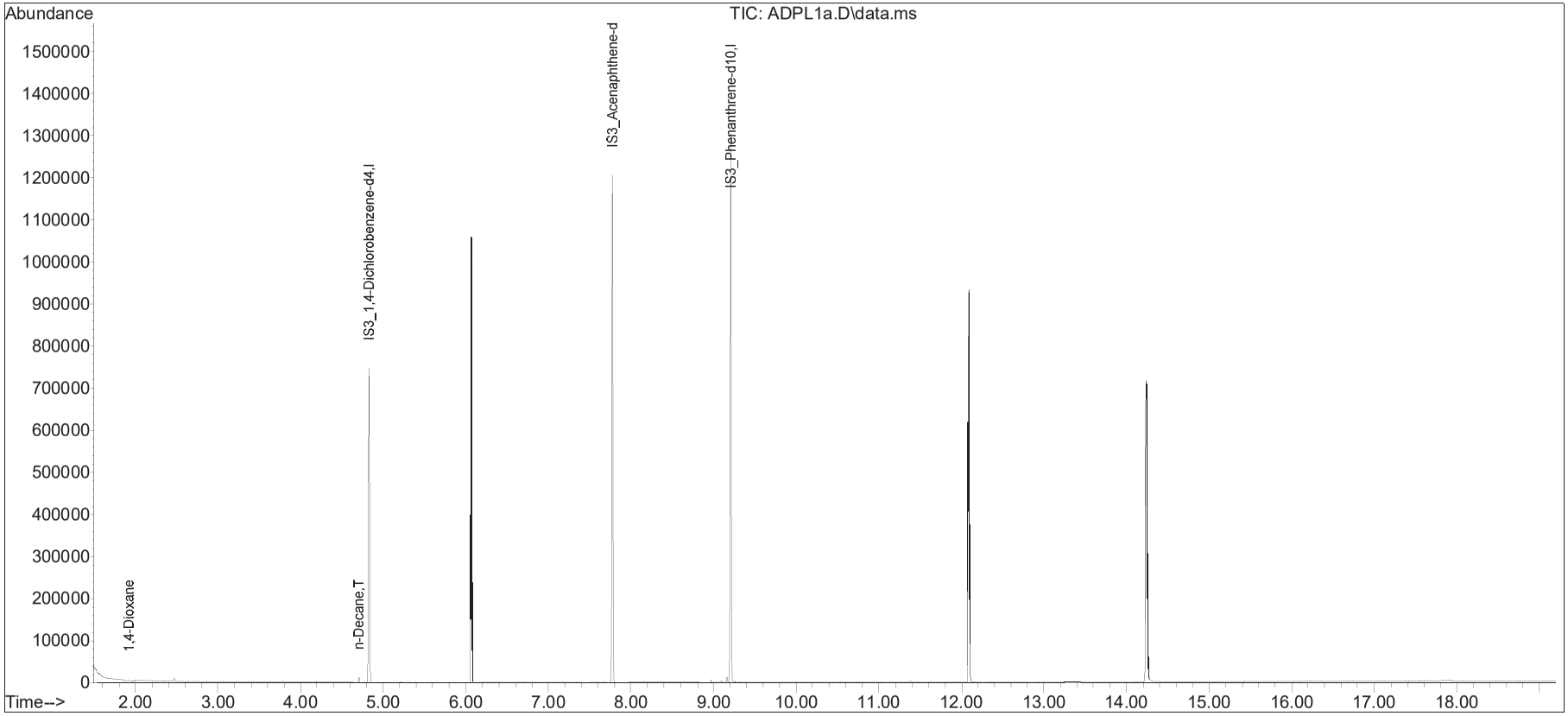
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : ADPL1a.D
Acq On : 14 Sep 2020 9:04 am
Operator : sv109:dw
Sample : IL29,32,,ADPL0.5 Lot# 8919
Misc : WG1409654,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 12:17:46 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 10:11:38 2020
Response via : Initial Calibration

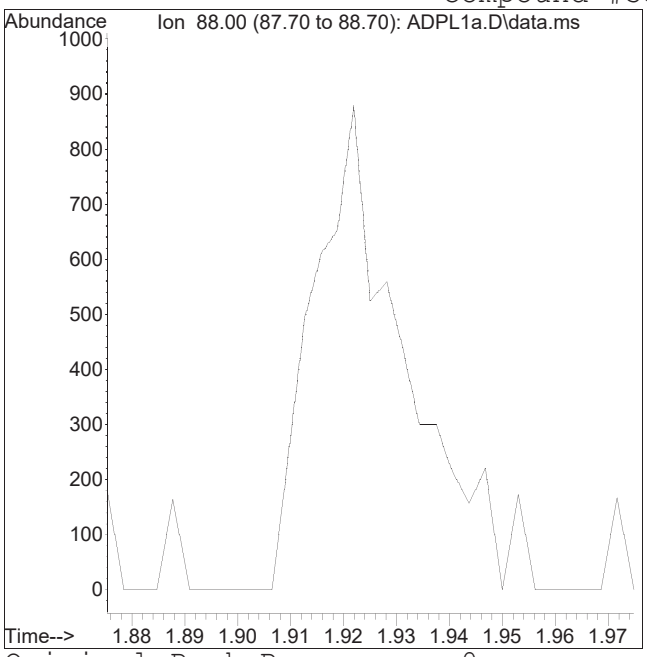
Sub List : ADPical_REV2 - ADP sublistal\ADPL7.D•

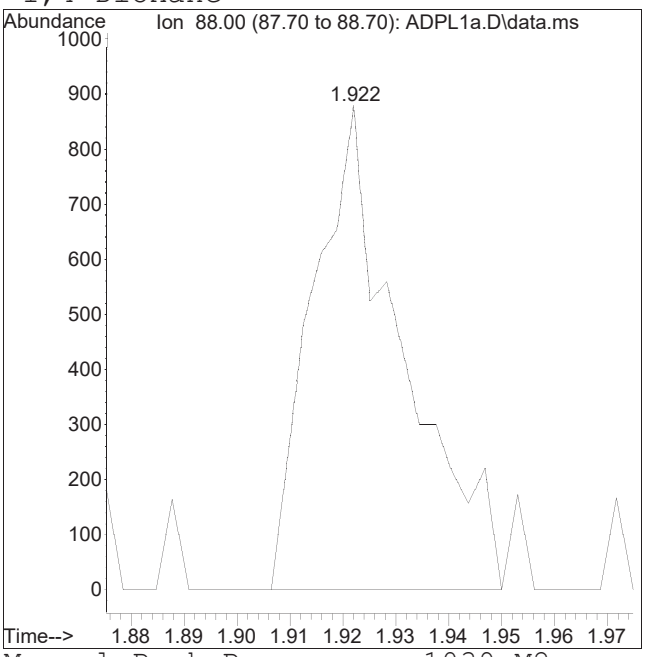


Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : ADPL1a.D Operator : sv109:dw
Date Inj'd : 9/14/2020 9:04 am Instrument : SV109
Sample : IL29,32,,ADPL0.5 Lot# 8919 Quant Date : 9/14/2020 12:17 pm

Compound #33: 1,4-Dioxane



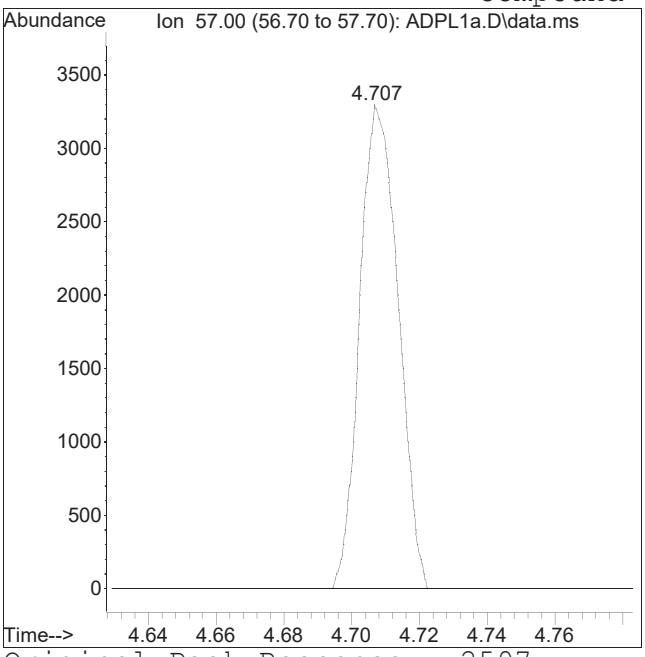


Original Peak Response = 0 Manual Peak Response = 1039 M2
M2 = Peak not found by automatic integration algorithm.

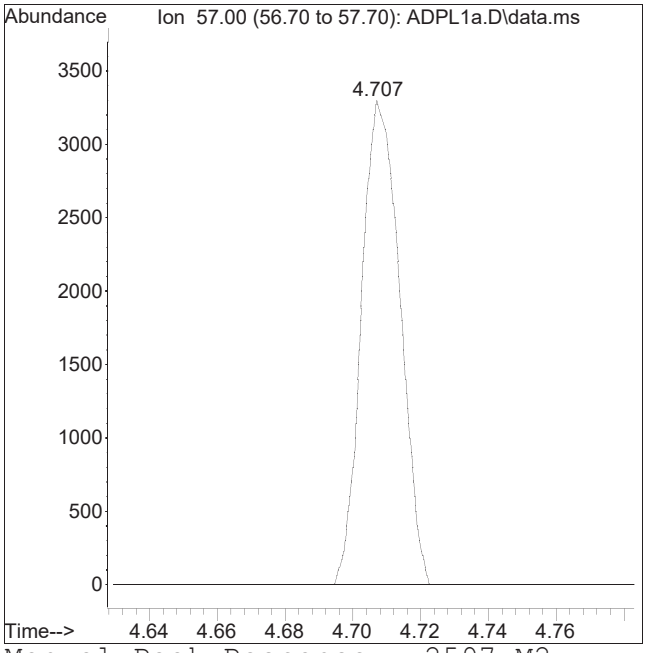
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : ADPL1a.D Operator : sv109:dw
Date Inj'd : 9/14/2020 9:04 am Instrument : SV109
Sample : IL29,32,,ADPL0.5 Lot# 8919 Quant Date : 9/14/2020 12:17 pm

Compound #34: n-Decane



Original Peak Response = 2597



Manual Peak Response = 2597 M2

M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV109\200911ical\
Data File : 1,4ICV.D
Acq On : 14 Sep 2020 9:52 am
Operator : sv109:dw
Sample : CQICV3,32,,1,4DICV LOT# 8928
Misc : WG1409654,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 14 13:42:48 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 13:39:13 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	135	0.00
33		1,4-Dioxane	*	50.000	38.925	22.2#	120	0.00
34	T	n-Decane		1.485	1.180	20.5#	122	0.00
86	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	134	0.00
87	T	Atrazine	*	50.000	41.136	17.7	119	0.00
100	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	137	0.00
101	T	n-Octadecane		0.404	0.364	9.9	131	0.00
102	T	Parathion	*	50.000	44.864	10.3	126	0.00
103	T	3,3'-Dimethylbenzidine	*	50.000	39.995	20.0	116	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : 1,4ICV.D
Acq On : 14 Sep 2020 9:52 am
Operator : sv109:dw
Sample : CQICV3,32,,1,4DICV LOT# 8928
Misc : WG1409654,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 14 13:42:48 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 13:39:13 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\ADPL7.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.828	152	145594	40.000	ug/ml	0.00
Standard Area 1 = 107790			Recovery = 135.07%			
86) IS3_Acenaphthene-d10	7.775	164	320668	40.000	ug/ml	0.00
Standard Area 1 = 239521			Recovery = 133.88%			
100) IS3_Phenanthrene-d10	9.211	188	652475	40.000	ug/ml	0.00
Standard Area 1 = 476673			Recovery = 136.88%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.907	88	69569M1	38.925	ug/ml	
34) n-Decane	4.707	57	214831	39.735	ug/ml	88
87) Atrazine	8.974	200	95387	41.136	ug/ml	99
101) n-Octadecane	9.170	57	297063	45.094	ug/ml	92
102) Parathion	9.991	109	56394	44.864	ug/ml	94
103) 3,3'-Dimethylbenzidine	11.377	212	370001	39.995	ug/ml	99

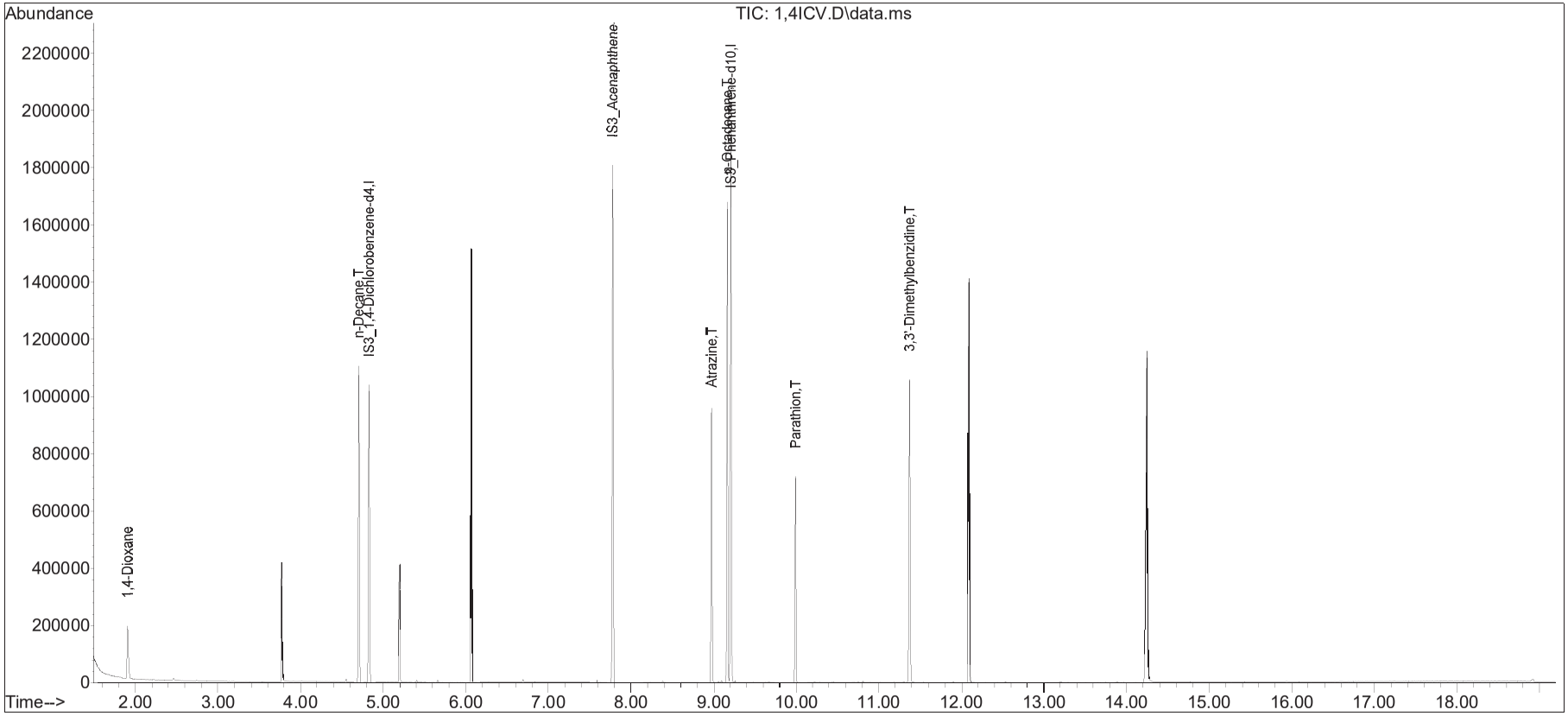
(#) = qualifier out of range (m) = manual integration (+) = signals summed

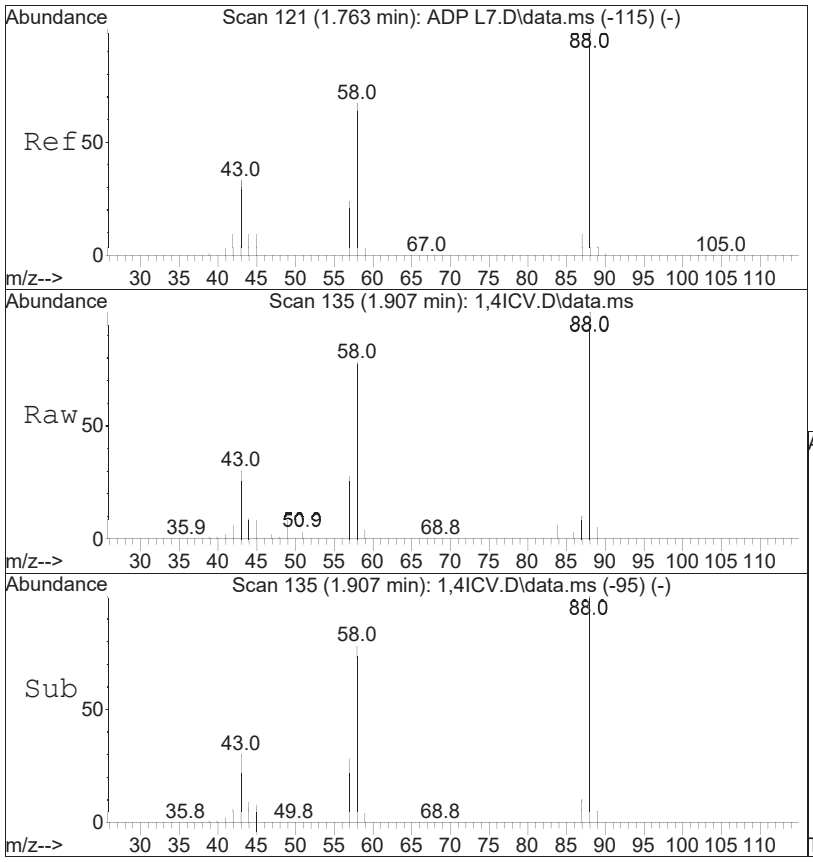
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : 1,4ICV.D
Acq On : 14 Sep 2020 9:52 am
Operator : sv109:dw
Sample : CQICV3,32,,1,4DICV LOT# 8928
Misc : WG1409654,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 14 13:42:48 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 13:39:13 2020
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistal\ADPL7.D•

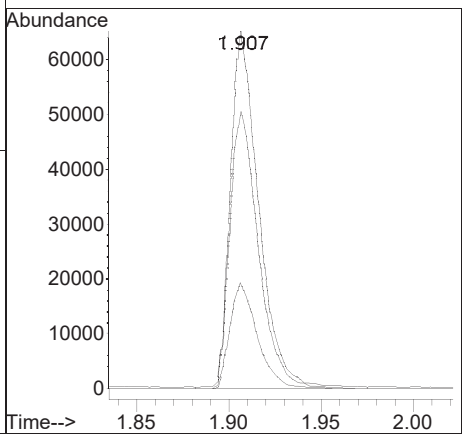


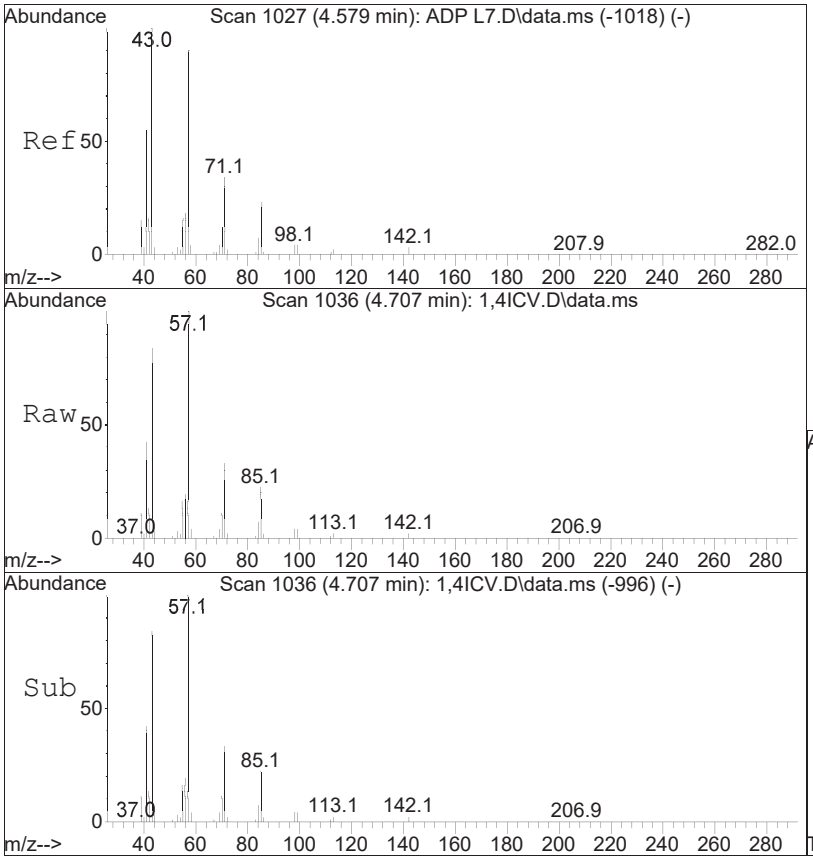


#33
1,4-Dioxane
Concen: 38.92 ug/ml M1
RT: 1.907 min Scan# 135
Delta R.T. 0.000 min
Lab File: 1,4ICV.D
Acq: 14 Sep 2020 9:52 am

Tgt Ion: 88 Resp: 69569

Ion	Ratio	Lower	Upper
88	100		
58	77.6	44.8	67.2#
43	28.6	22.4	33.6

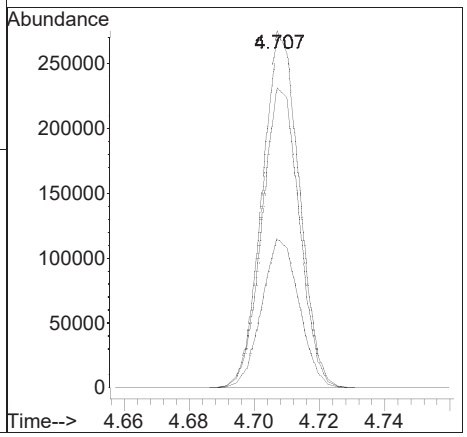


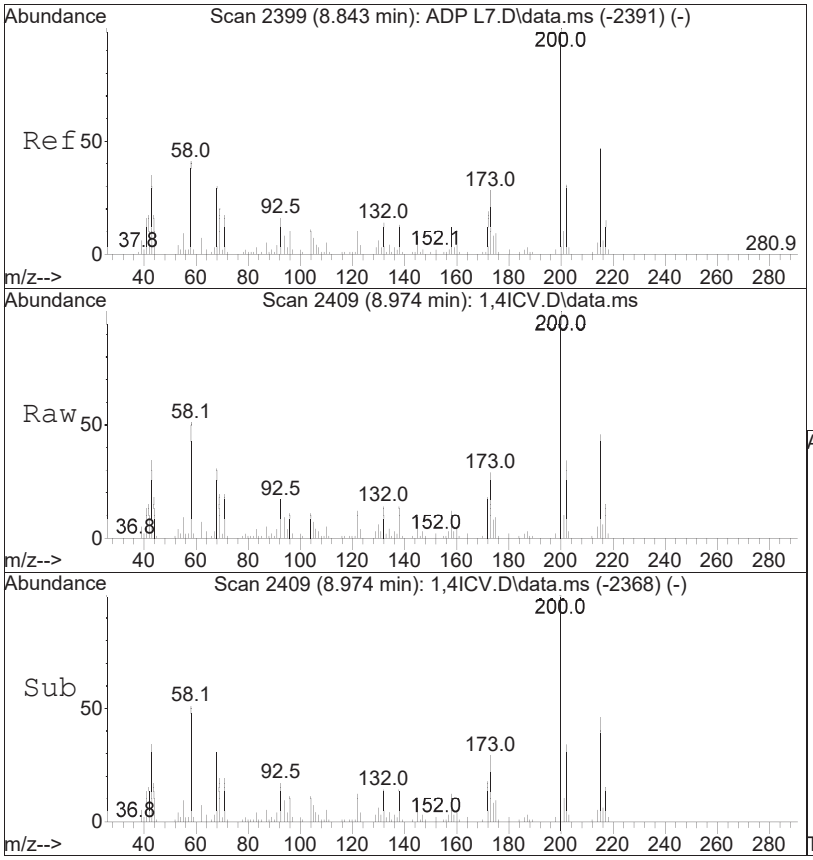


#34
n-Decane
Concen: 39.74 ug/ml
RT: 4.707 min Scan# 1036
Delta R.T. 0.000 min
Lab File: 1,4ICV.D
Acq: 14 Sep 2020 9:52 am

Tgt Ion: 57 Resp: 214831

Ion	Ratio	Lower	Upper
57	100		
43	84.9	80.2	120.4
41	42.4	36.8	55.2

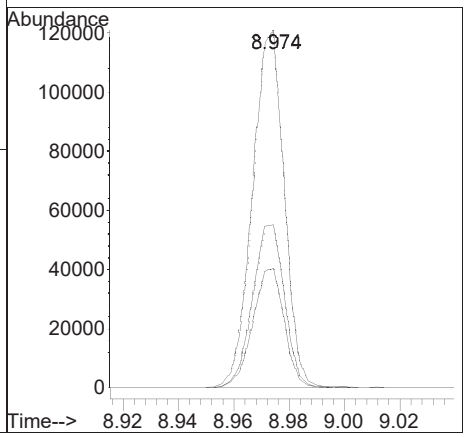


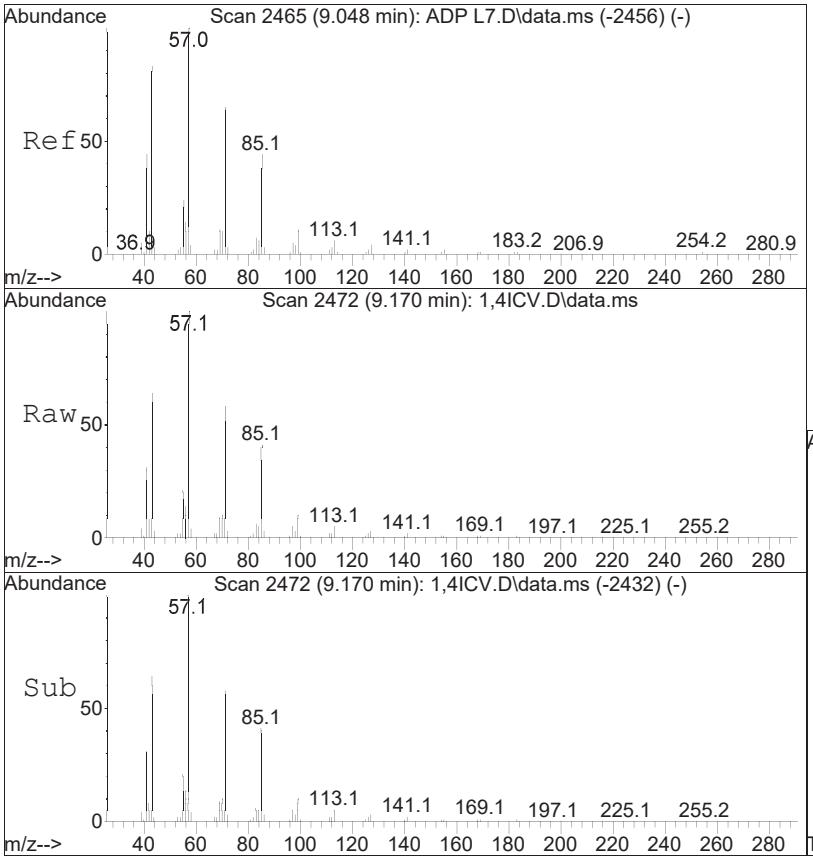


#87
Atrazine
Concen: 41.14 ug/ml
RT: 8.974 min Scan# 2409
Delta R.T. 0.003 min
Lab File: 1,4ICV.D
Acq: 14 Sep 2020 9:52 am

Tgt Ion:200 Resp: 95387

Ion	Ratio	Lower	Upper
200	100		
202	33.3	26.1	39.1
215	46.0	36.2	54.2

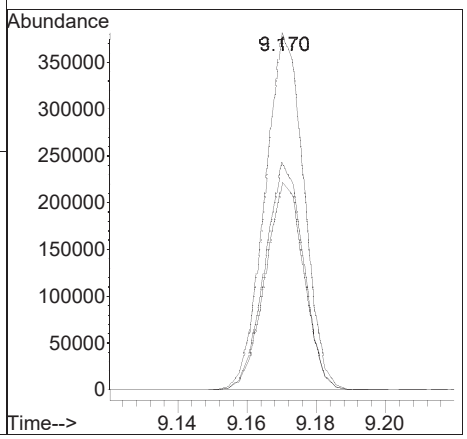


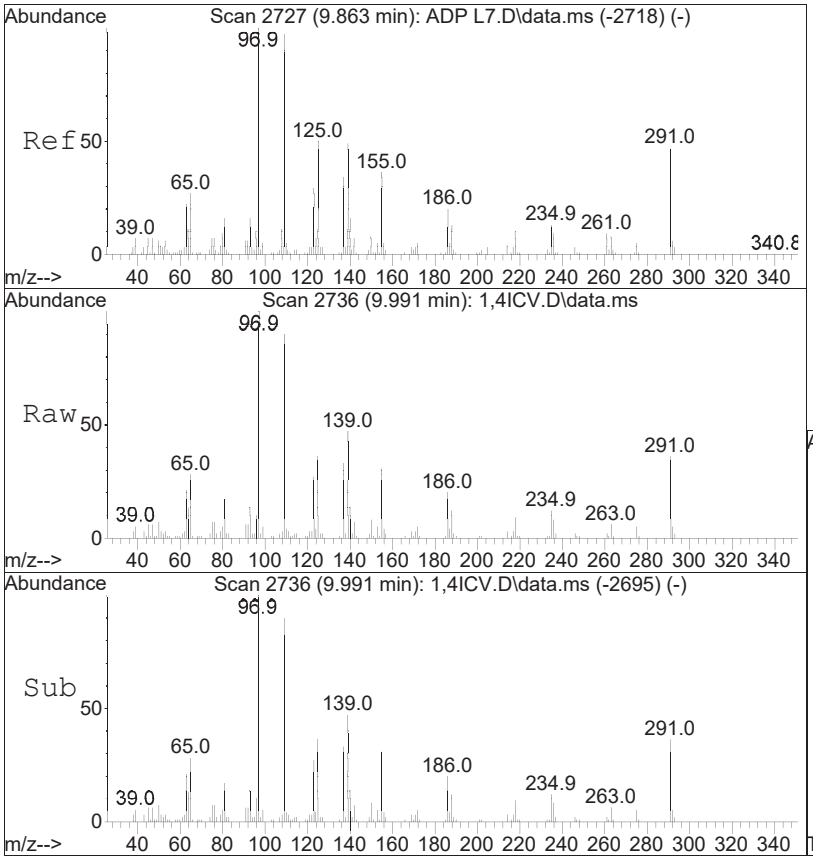


#101
n-Octadecane
Concen: 45.09 ug/ml
RT: 9.170 min Scan# 2472
Delta R.T. 0.000 min
Lab File: 1,4ICV.D
Acq: 14 Sep 2020 9:52 am

Tgt Ion: 57 Resp: 297063

Ion	Ratio	Lower	Upper
57	100		
43	63.1	56.6	84.8
71	57.7	42.1	63.1

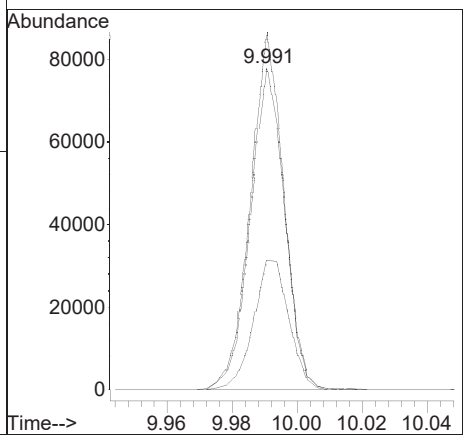


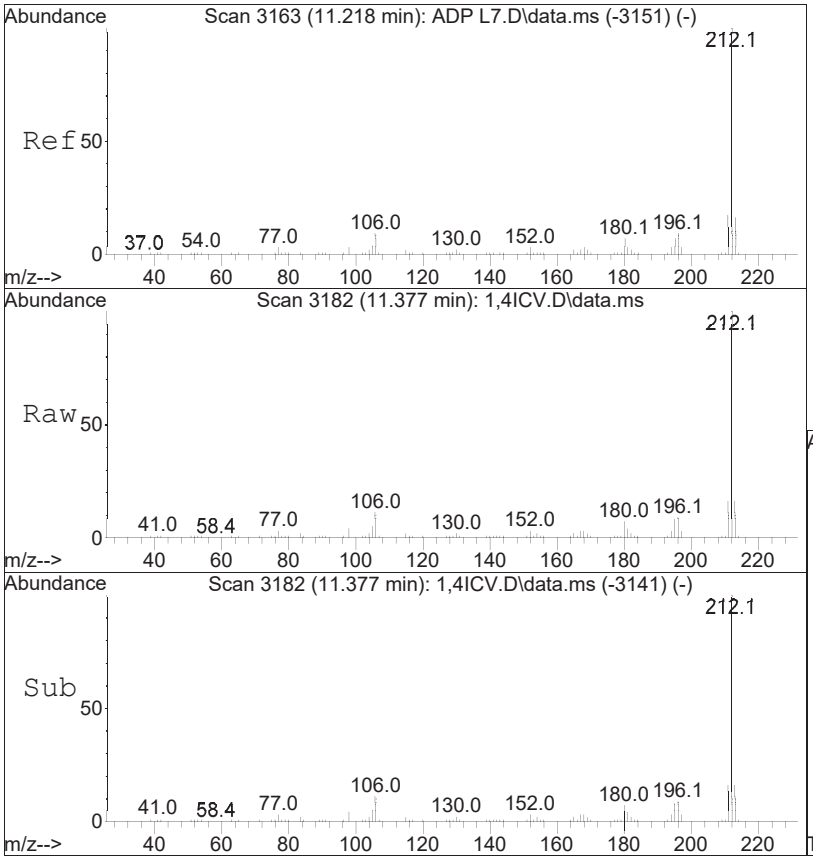


#102
Parathion
Concen: 44.86 ug/ml
RT: 9.991 min Scan# 2736
Delta R.T. 0.003 min
Lab File: 1,4ICV.D
Acq: 14 Sep 2020 9:52 am

Tgt Ion:109 Resp: 56394

Ion	Ratio	Lower	Upper
109	100		
97	108.9	82.5	123.7
291	41.9	30.7	46.1

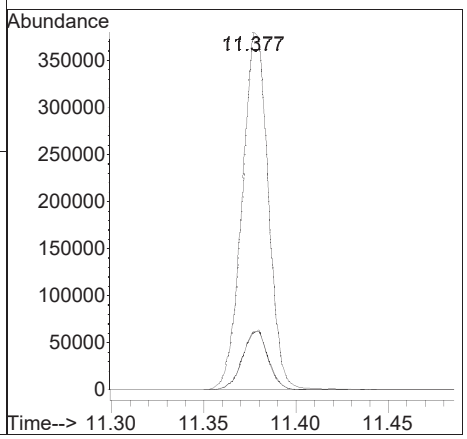




#103
3,3'-Dimethylbenzidine
Concen: 40.00 ug/ml
RT: 11.377 min Scan# 3182
Delta R.T. 0.003 min
Lab File: 1,4ICV.D
Acq: 14 Sep 2020 9:52 am

Tgt Ion:212 Resp: 370001

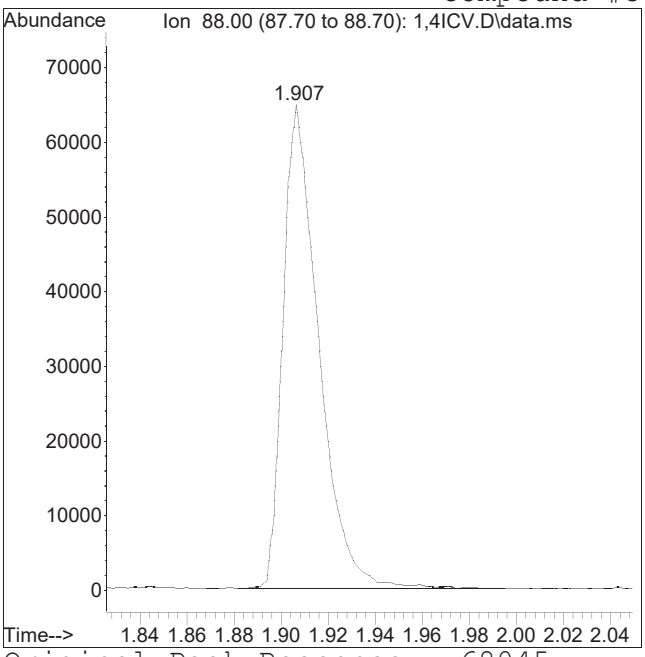
Ion	Ratio	Lower	Upper
212	100		
211	16.5	13.5	20.3
213	16.3	12.9	19.3



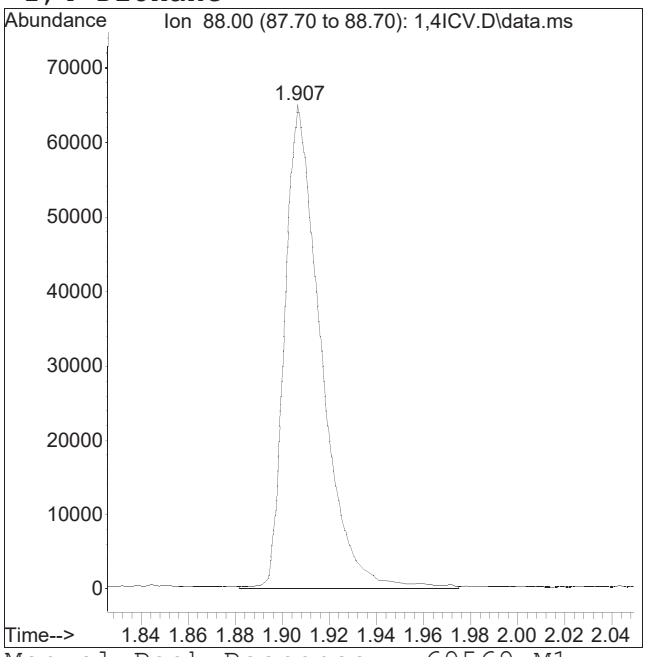
Manual Integration Report

Data Path : I:\8270\SV109\200911ical\ QMethod : FS200911SV109.m
Data File : 1,4ICV.D Operator : sv109:dw
Date Inj'd : 9/14/2020 9:52 am Instrument : SV109
Sample : CQICV3,32,,1,4DICV LOT# 89 Quant Date : 9/14/2020 1:42 pm

Compound #33: 1,4-Dioxane



Original Peak Response = 68045



Manual Peak Response = 69569 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV109\200911ical\
Data File : AP9ICVa.D
Acq On : 14 Sep 2020 10:16 am
Operator : sv109:dw
Sample : CQICV2,32,,AP9ICV Lot# 8898
Misc : WG1409654,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 13:32:25 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 13:30:43 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
28	T	Benzaldehyde	1.007	1.028	-2.1	92	0.00
29	T	Acetophenone	1.704	1.775	-4.2	92	0.00
30	T	m-Toluidine	1.771	1.881	-6.2	95	0.00
31	T	2-Chloroaniline	1.618	1.693	-4.6	94	0.00
55	I	IS2_Naphthalene-d8	1.000	1.000	0.0	90	0.00
56	T	a-Terpineol	0.242	0.267	-10.3	95	0.00
57	T	3-Chloroaniline	0.126	0.138	-9.5	99	0.00
58	T	2,6-Dichlorophenol	0.238	0.266	-11.8	94	0.00
59	T	1-chloro-2-nitrobenzene	0.121	0.129	-6.6	94	0.00
60	T	Caprolactam	0.118	0.134	-13.6	94	0.00
61	T	1,2,4,5-Tetrachlorobenzene	0.292	0.304	-4.1	97	0.00
62	T	Biphenyl	0.774	0.810	-4.7	96	0.00
83	I	IS2_Acenaphthene-d10	1.000	1.000	0.0	90	0.00
84	T	Dichloran	* 50.000	44.610	10.8	88	0.00
85	T	Pentachloronitrobenzene	0.135	0.154	-14.1	96	0.00
98	I	IS2_Phenanthrene-d10	1.000	1.000	0.0	91	0.00
99	T	Diphenamid	0.382	0.435	-13.9	94	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : AP9ICVa.D
Acq On : 14 Sep 2020 10:16 am
Operator : sv109:dw
Sample : CQICV2,32,,AP9ICV Lot# 8898
Misc : WG1409654,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 13:32:25 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 13:30:43 2020
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV109\200911ical\AP9L7.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.828	152	103384	40.000	ug/ml	0.00
Standard Area 1 = 113730			Recovery =	90.90%		
55) IS2_Naphthalene-d8	6.068	136	422432	40.000	ug/ml	0.00
Standard Area 1 = 468362			Recovery =	90.19%		
83) IS2_Acenaphthene-d10	7.775	164	225731	40.000	ug/ml	0.00
Standard Area 1 = 250985			Recovery =	89.94%		
98) IS2_Phenanthrene-d10	9.210	188	441338	40.000	ug/ml	0.00
Standard Area 1 = 483687			Recovery =	91.24%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.393	105	132789	51.013	ug/ml	100
29) Acetophenone	5.226	105	229343	52.061	ug/ml	95
30) m-Toluidine	5.307	106	243075	53.098	ug/ml	99
31) 2-Chloroaniline	5.670	127	218741	52.314	ug/ml	99
56) a-Terpineol	6.118	59	140825	55.202	ug/ml	90
57) 3-Chloroaniline	6.133	65	72749	54.771	ug/ml	99
58) 2,6-Dichlorophenol	6.161	162	140699	56.019	ug/ml	98
59) 1-chloro-2-nitrobenzene	6.416	111	68118	53.511	ug/ml	99
60) Caprolactam	6.457	55	70506	56.383	ug/ml	88
61) 1,2,4,5-Tetrachloroben...	6.935	216	160624	52.167	ug/ml	99
62) Biphenyl	7.228	154	427480	52.301	ug/ml	99
84) Dichloran	8.903	206	38021	44.610	ug/ml	92
85) Pentachloronitrobenzene	9.055	237	43594	57.289	ug/ml	98
99) Diphenamid	10.115	167	239810	56.849	ug/ml	94

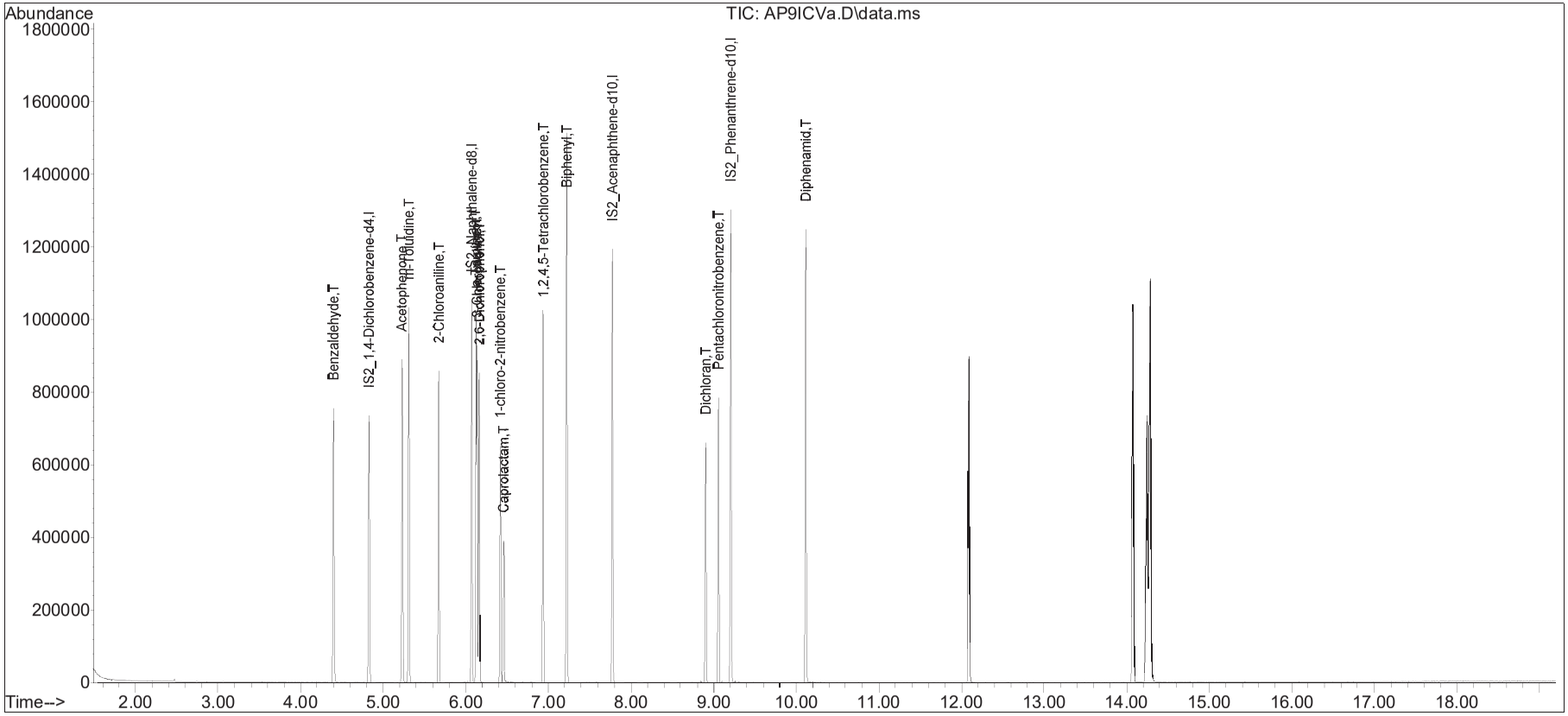
(#) = qualifier out of range (m) = manual integration (+) = signals summed

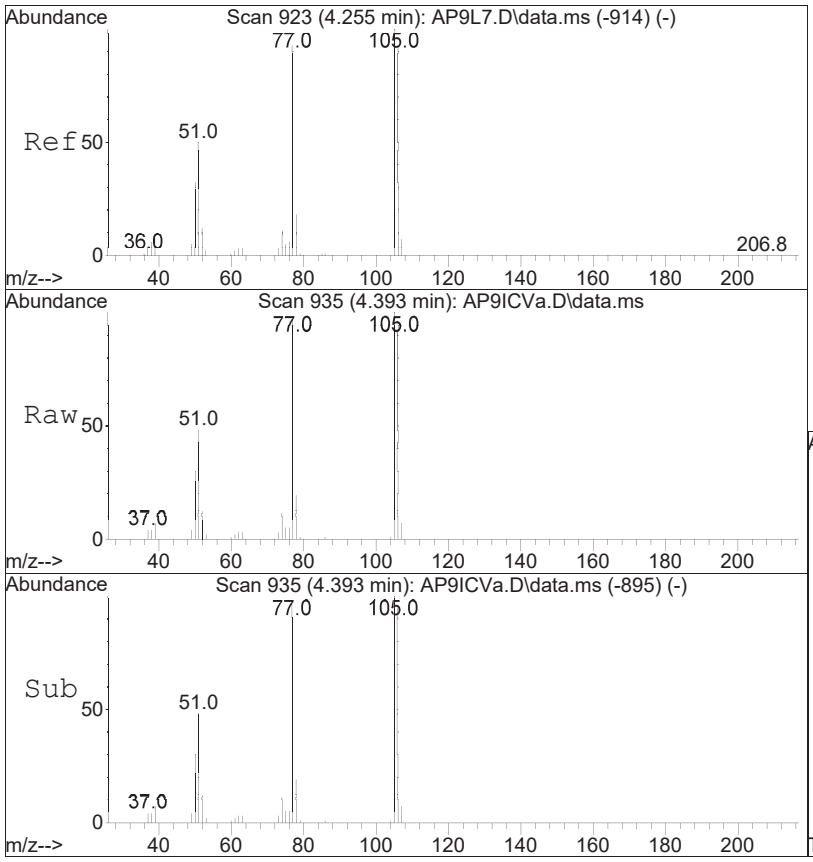
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200911ical\
Data File : AP9ICVa.D
Acq On : 14 Sep 2020 10:16 am
Operator : sv109:dw
Sample : CQICV2,32,,AP9ICV Lot# 8898
Misc : WG1409654,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 13:32:25 2020
Quant Method : I:\8270\SV109\200911ical\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 14 13:30:43 2020
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L7.D•

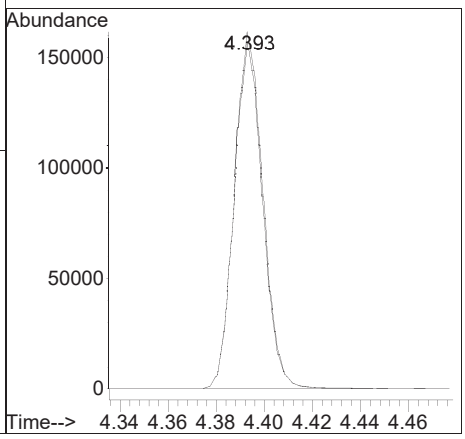


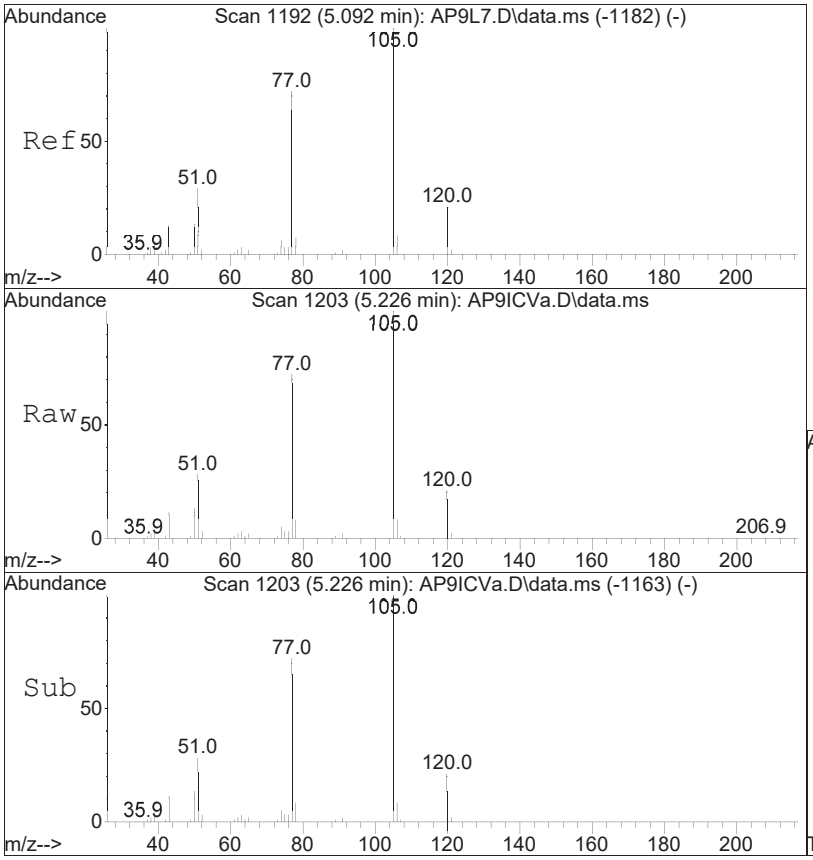


#28
Benzaldehyde
Concen: 51.01 ug/ml
RT: 4.393 min Scan# 935
Delta R.T. -0.000 min
Lab File: AP9ICVa.D
Acq: 14 Sep 2020 10:16 am

Tgt Ion:105 Resp: 132789

Ion	Ratio	Lower	Upper
105	100		
77	96.3	76.9	115.3

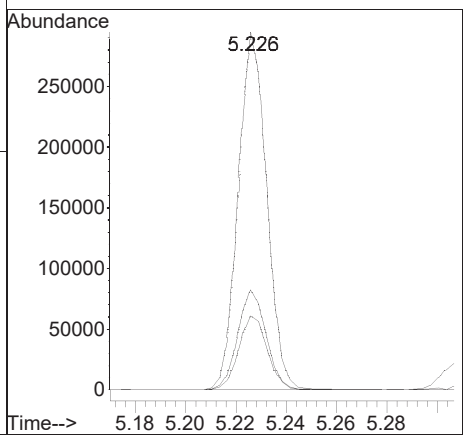


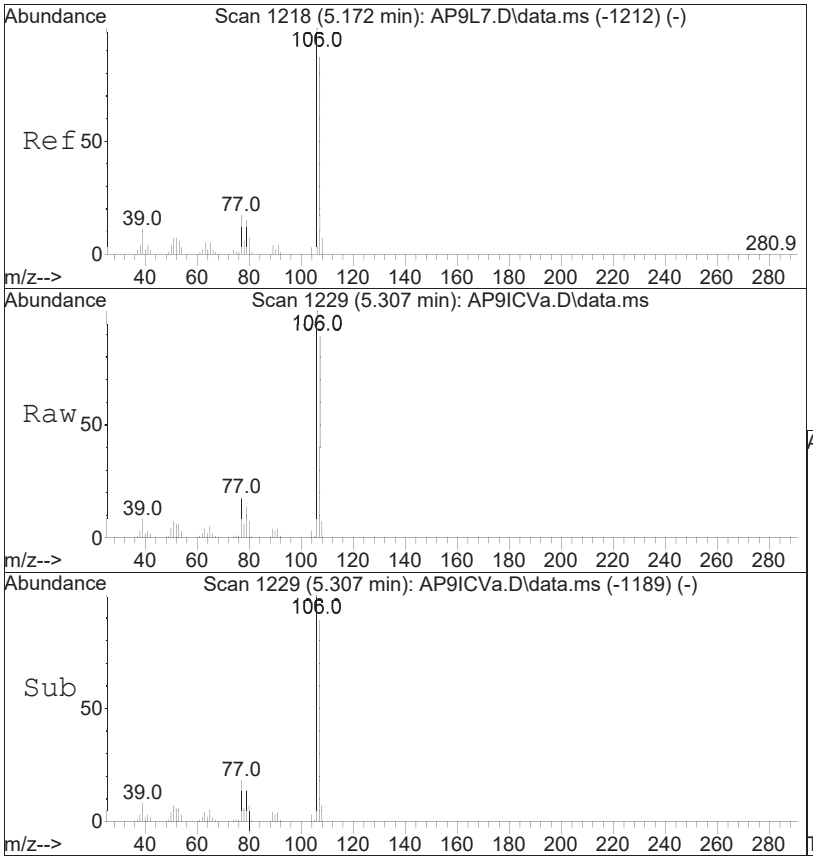


#29
Acetophenone
Concen: 52.06 ug/ml
RT: 5.226 min Scan# 1203
Delta R.T. -0.000 min
Lab File: AP9ICVa.D
Acq: 14 Sep 2020 10:16 am

Tgt Ion:105 Resp: 229343

Ion	Ratio	Lower	Upper
105	100		
120	20.8	15.9	23.9
51	27.9	25.2	37.8

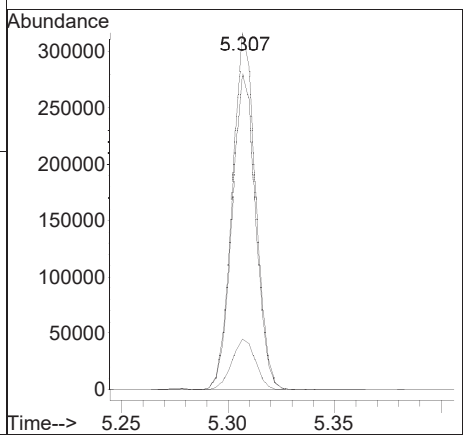


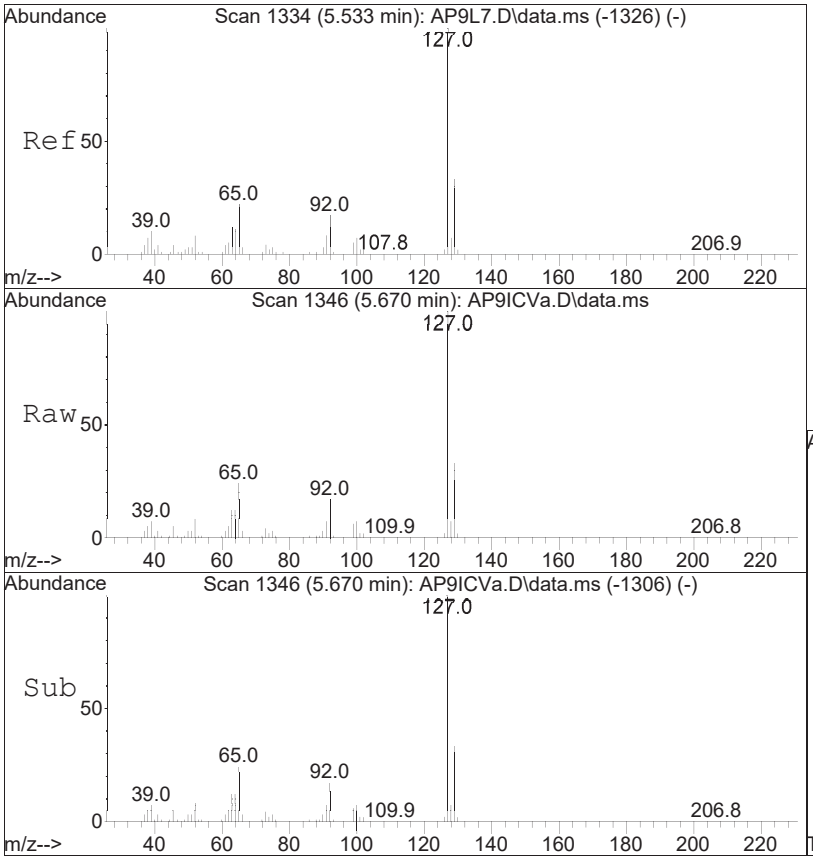


#30
m-Toluidine
Concen: 53.10 ug/ml
RT: 5.307 min Scan# 1229
Delta R.T. -0.000 min
Lab File: AP9ICVa.D
Acq: 14 Sep 2020 10:16 am

Tgt Ion:106 Resp: 243075

Ion	Ratio	Lower	Upper
106	100		
107	88.9	71.8	107.6
79	14.4	12.0	18.0

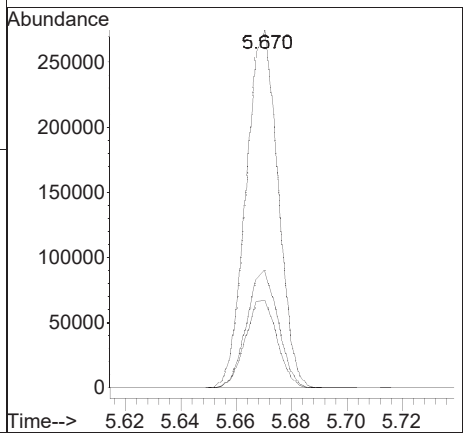


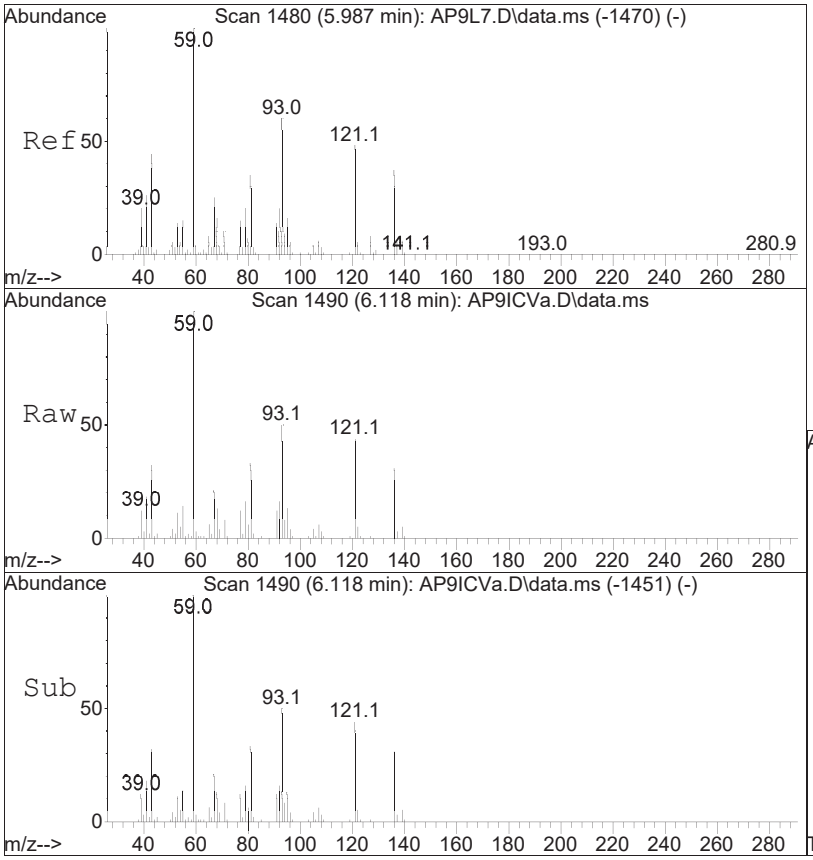


#31
2-Chloroaniline
Concen: 52.31 ug/ml
RT: 5.670 min Scan# 1346
Delta R.T. -0.000 min
Lab File: AP9ICVa.D
Acq: 14 Sep 2020 10:16 am

Tgt Ion:127 Resp: 218741

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.4	38.0
65	24.5	19.4	29.2

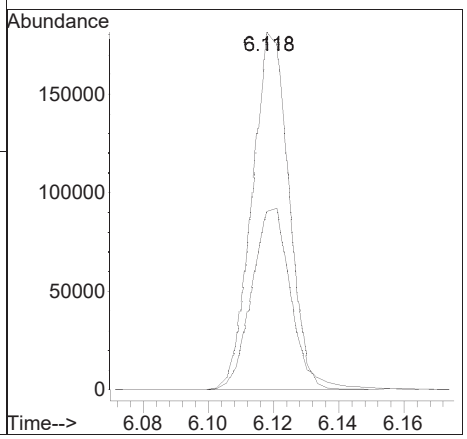


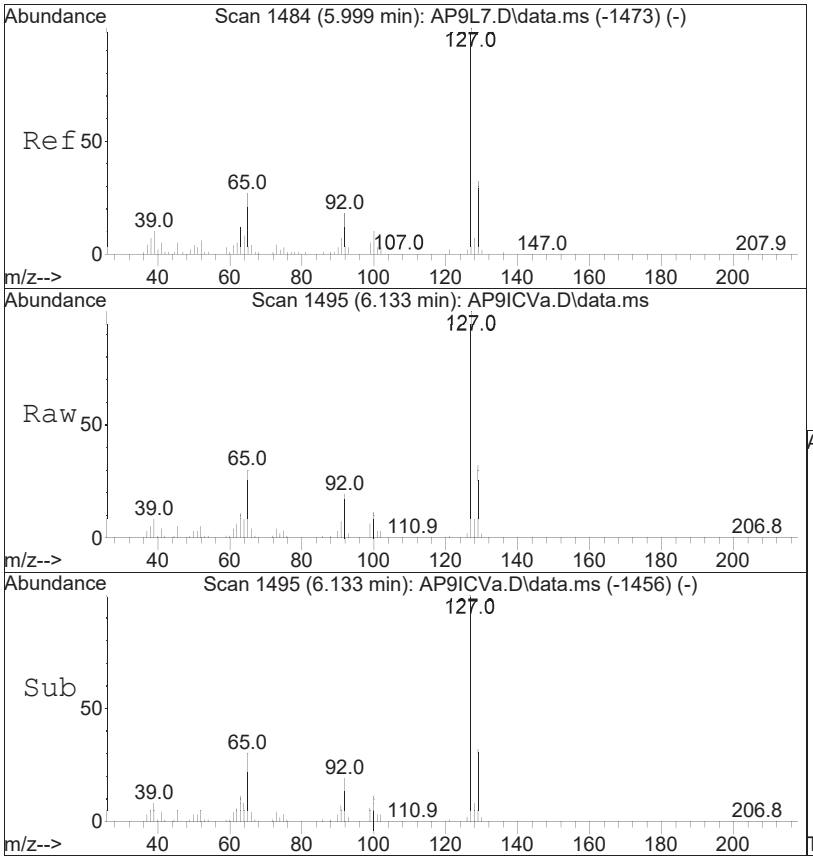


#56
a-Terpineol
Concen: 55.20 ug/ml
RT: 6.118 min Scan# 1490
Delta R.T. -0.003 min
Lab File: AP9ICVa.D
Acq: 14 Sep 2020 10:16 am

Tgt Ion: 59 Resp: 140825

Ion	Ratio	Lower	Upper
59	100		
93	54.8	38.3	57.5

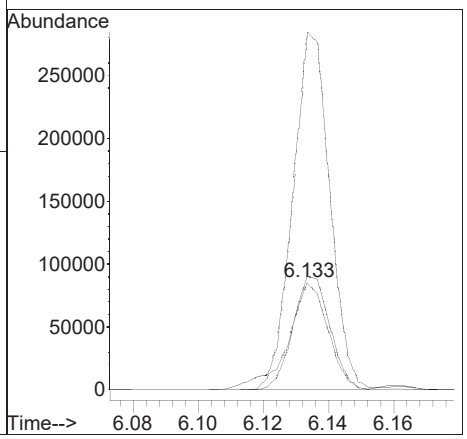


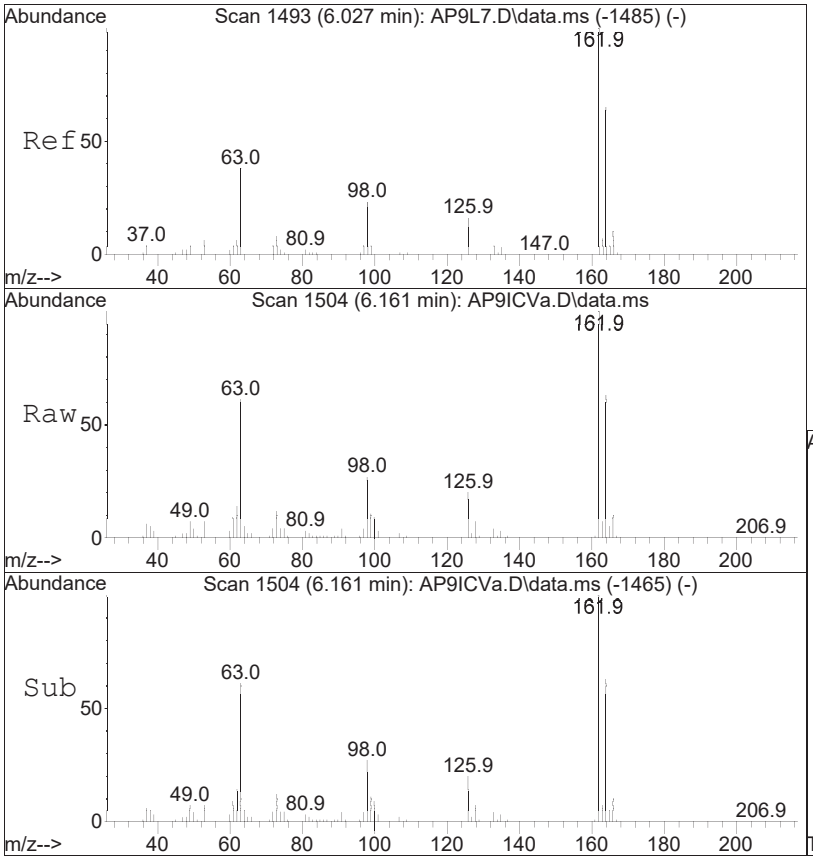


#57
3-Chloroaniline
Concen: 54.77 ug/ml
RT: 6.133 min Scan# 1495
Delta R.T. -0.003 min
Lab File: AP9ICVa.D
Acq: 14 Sep 2020 10:16 am

Tgt Ion: 65 Resp: 72749

Ion	Ratio	Lower	Upper
65	100		
127	306.4	246.5	369.7
129	98.3	80.3	120.5

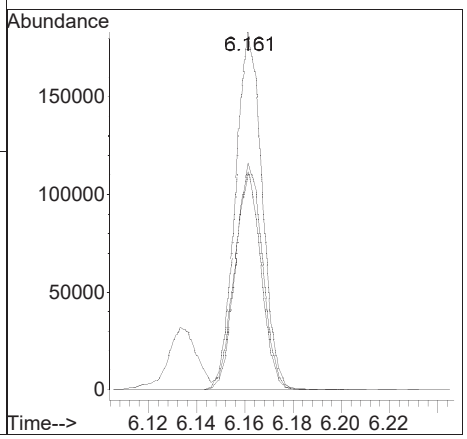


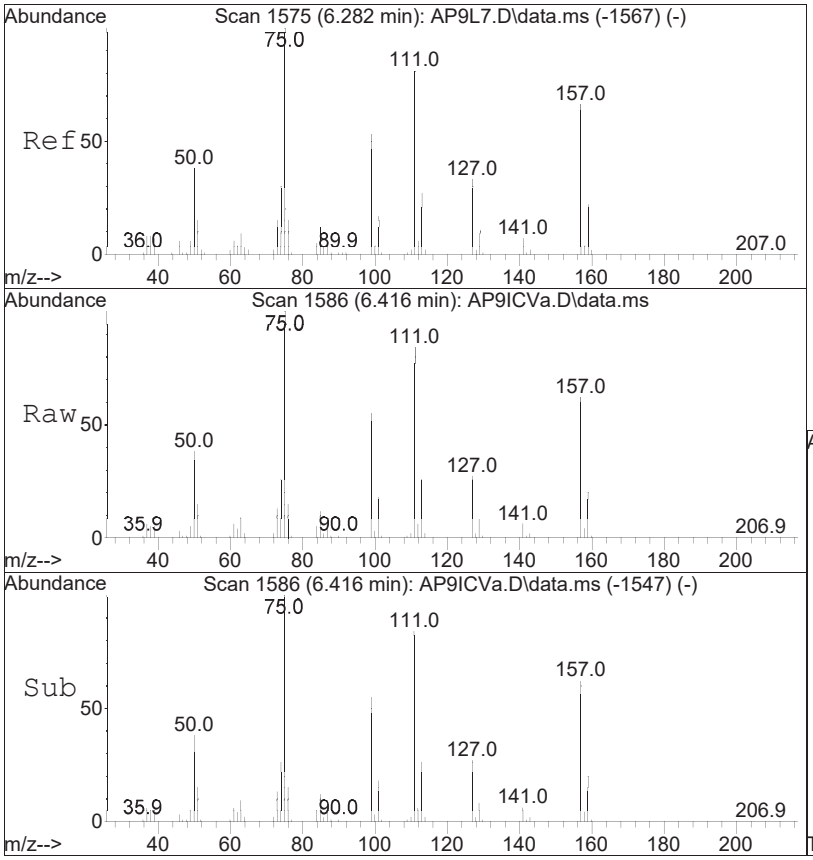


#58
2,6-Dichlorophenol
Concen: 56.02 ug/ml
RT: 6.161 min Scan# 1504
Delta R.T. -0.003 min
Lab File: AP9ICVa.D
Acq: 14 Sep 2020 10:16 am

Tgt Ion:162 Resp: 140699

Ion	Ratio	Lower	Upper
162	100		
164	63.8	51.7	77.5
63	60.3	49.5	74.3

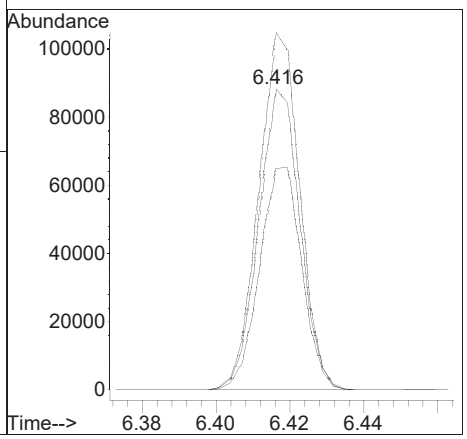


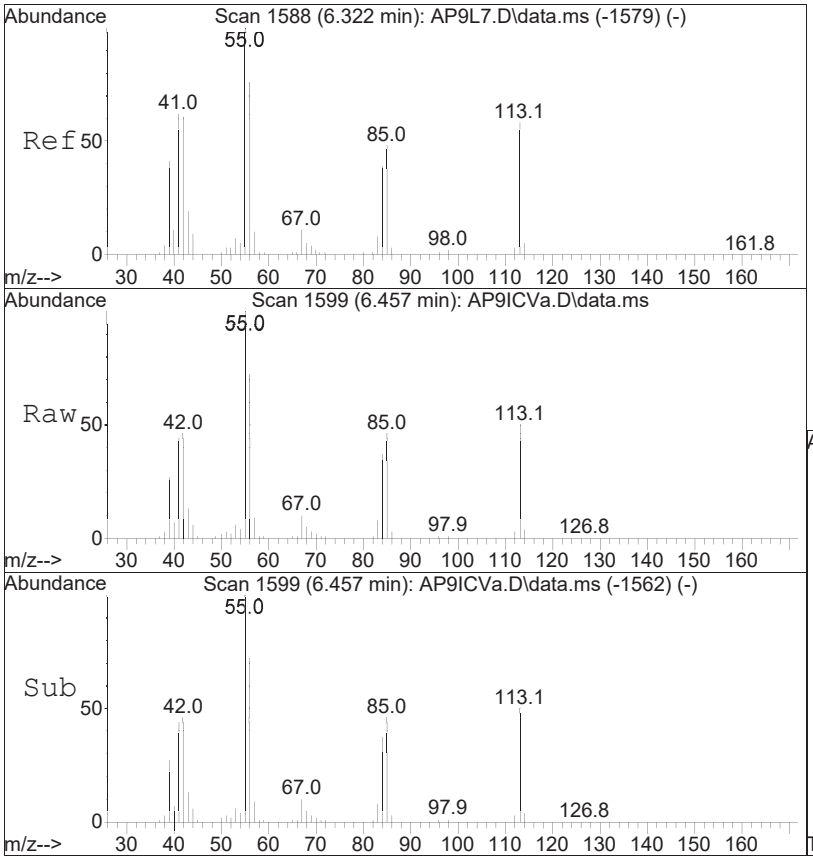


#59
1-chloro-2-nitrobenzene
Concen: 53.51 ug/ml
RT: 6.416 min Scan# 1586
Delta R.T. -0.003 min
Lab File: AP9ICVa.D
Acq: 14 Sep 2020 10:16 am

Tgt Ion:111 Resp: 68118

Ion	Ratio	Lower	Upper
111	100		
157	75.8	61.1	91.7
75	118.3	96.3	144.5

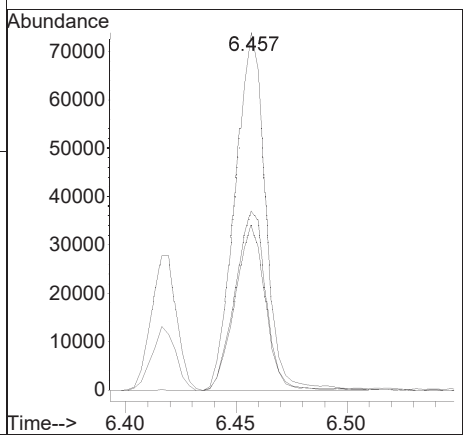


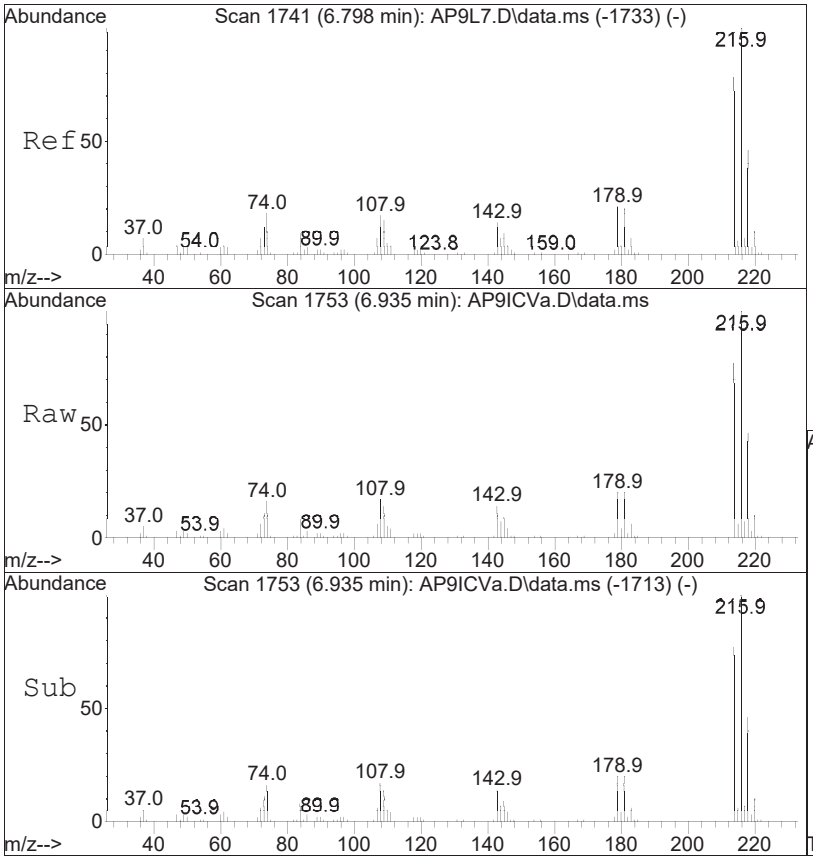


#60
Caprolactam
Concen: 56.38 ug/ml
RT: 6.457 min Scan# 1599
Delta R.T. -0.009 min
Lab File: AP9ICVa.D
Acq: 14 Sep 2020 10:16 am

Tgt Ion: 55 Resp: 70506

Ion	Ratio	Lower	Upper
55	100		
85	46.0	30.9	46.3
113	51.1	34.7	52.1

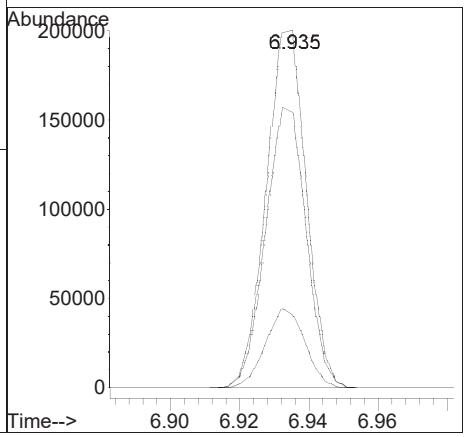


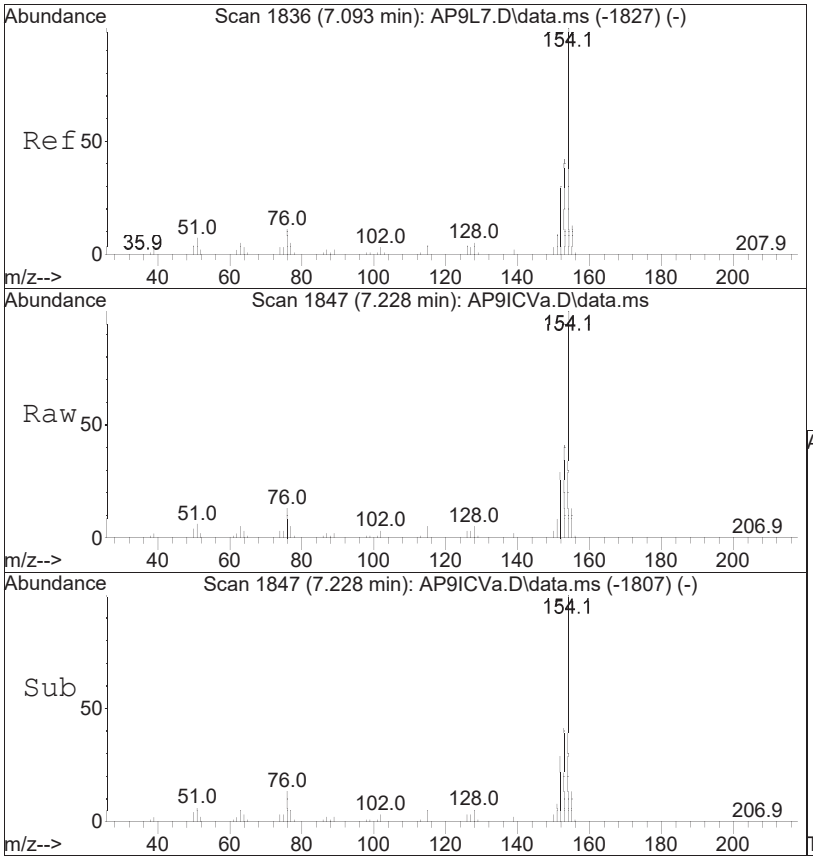


#61
1,2,4,5-Tetrachlorobenzene
Concen: 52.17 ug/ml
RT: 6.935 min Scan# 1753
Delta R.T. -0.000 min
Lab File: AP9ICVa.D
Acq: 14 Sep 2020 10:16 am

Tgt Ion:216 Resp: 160624

Ion	Ratio	Lower	Upper
216	100		
214	79.1	62.2	93.4
179	21.9	17.4	26.2

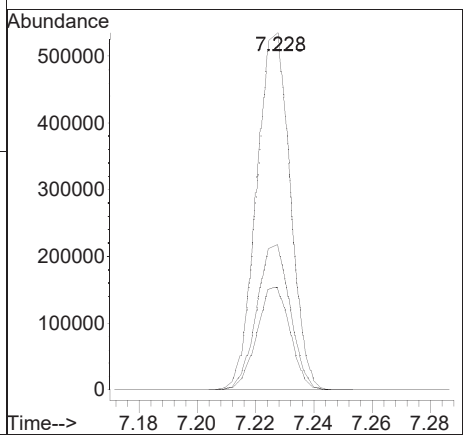


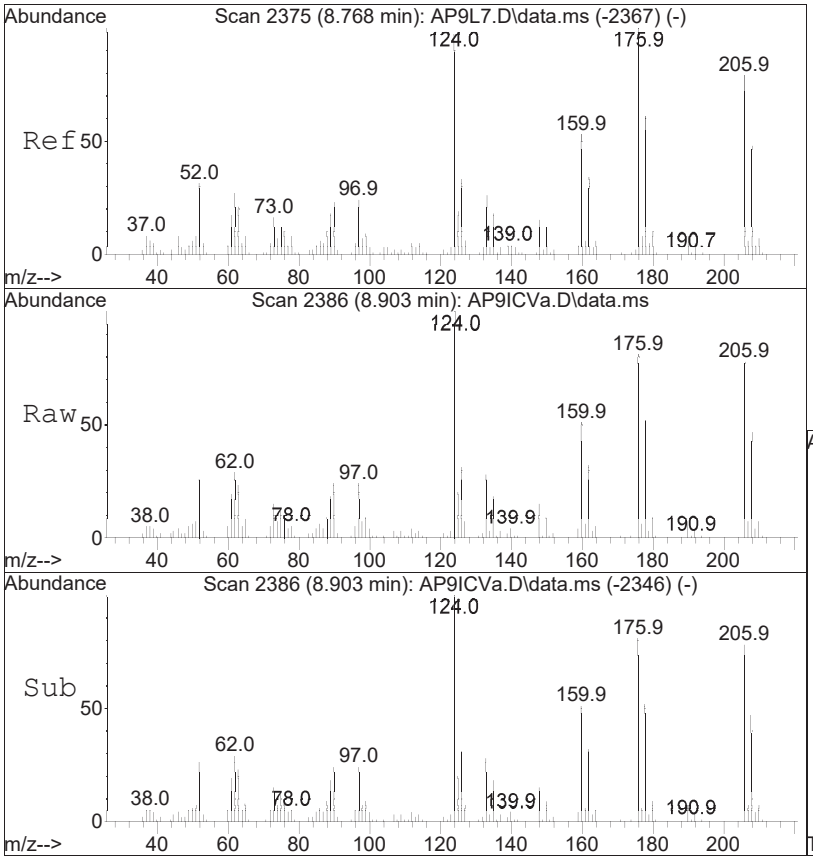


#62
Biphenyl
Concen: 52.30 ug/ml
RT: 7.228 min Scan# 1847
Delta R.T. -0.000 min
Lab File: AP9ICVa.D
Acq: 14 Sep 2020 10:16 am

Tgt Ion:154 Resp: 427480

Ion	Ratio	Lower	Upper
154	100		
153	40.7	33.4	50.0
152	28.7	23.0	34.6

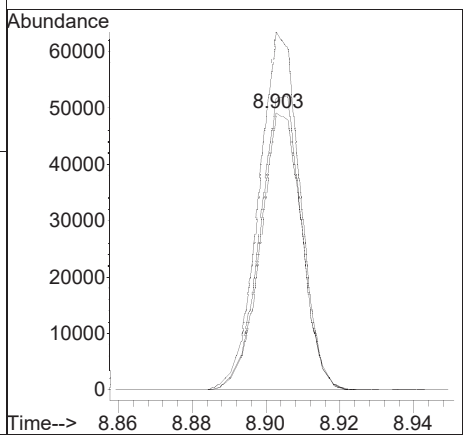


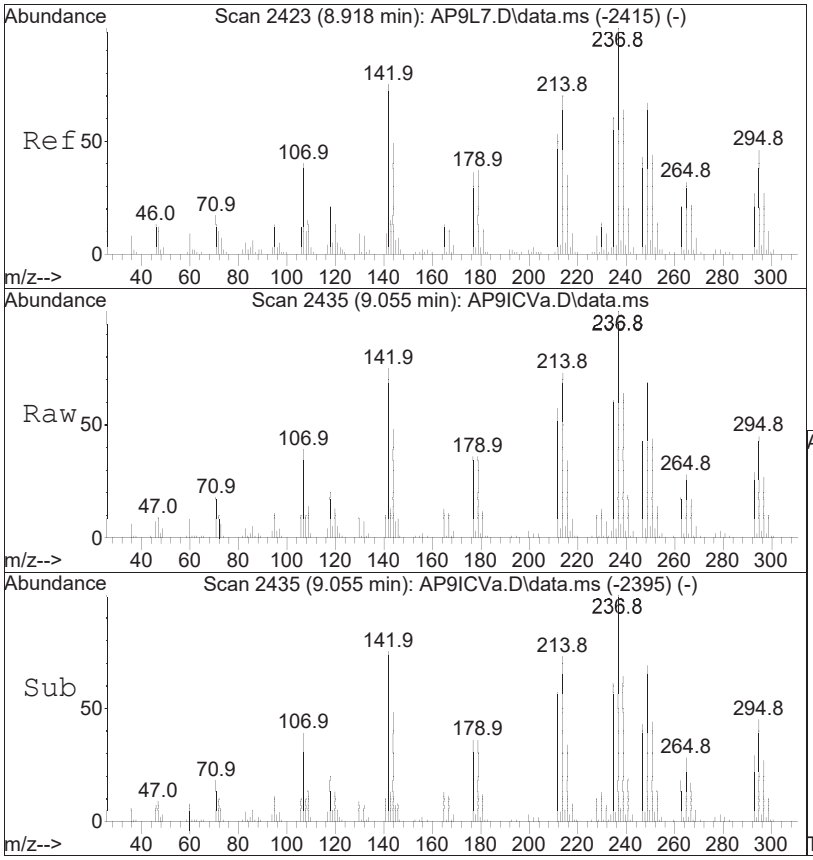


#84
Dichloran
Concen: 44.61 ug/ml
RT: 8.903 min Scan# 2386
Delta R.T. -0.000 min
Lab File: AP9ICVa.D
Acq: 14 Sep 2020 10:16 am

Tgt Ion:206 Resp: 38021

Ion	Ratio	Lower	Upper
206	100		
176	106.7	94.8	142.2
124	129.3	107.9	161.9

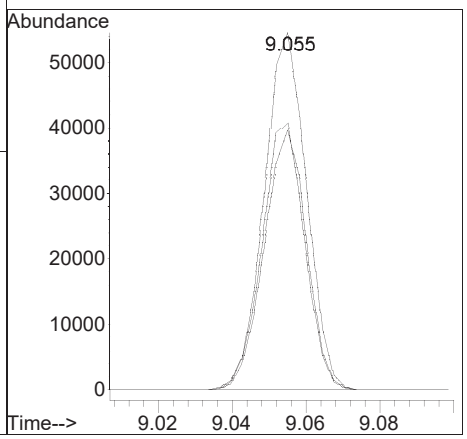


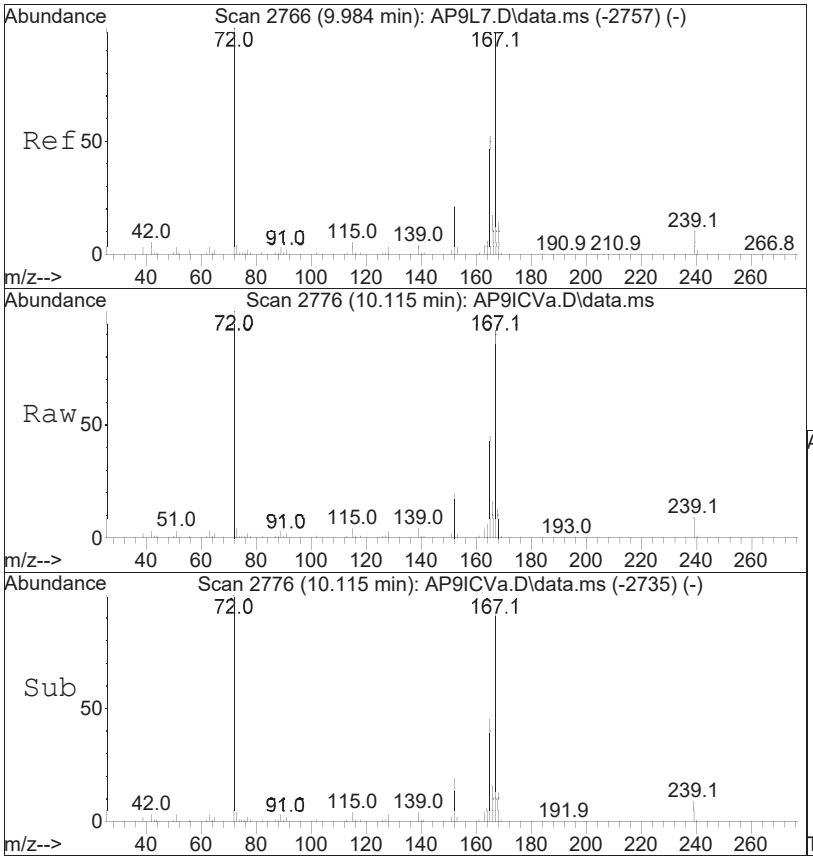


#85
Pentachloronitrobenzene
Concen: 57.29 ug/ml
RT: 9.055 min Scan# 2435
Delta R.T. 0.000 min
Lab File: AP9ICVa.D
Acq: 14 Sep 2020 10:16 am

Tgt Ion:237 Resp: 43594

Ion	Ratio	Lower	Upper
237	100		
142	75.0	59.4	89.2
214	72.8	56.5	84.7

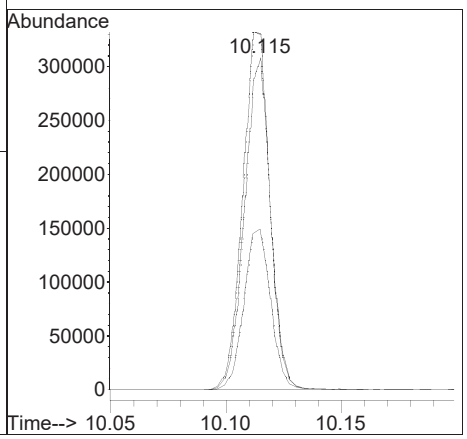




#99
Diphenamid
Concen: 56.85 ug/ml
RT: 10.115 min Scan# 2776
Delta R.T. 0.003 min
Lab File: AP9ICVa.D
Acq: 14 Sep 2020 10:16 am

Tgt Ion:167 Resp: 239810

Ion	Ratio	Lower	Upper
167	100		
72	111.6	94.5	141.7
165	50.6	37.9	56.9



Manual Integration Report

Data Path	: I:\8270\SV109\200911ical\	QMethod	: FS200911SV109.m
Data File	: AP9ICVa.D	Operator	: sv109:dw
Date Inj'd	: 9/14/2020 10:16 am	Instrument	: SV109
Sample	: CQICV2,32,,AP9ICV Lot# 889	Quant Date	: 9/14/2020 1:32 pm

There are no manual integrations or false positives in this file.

Continuing Calibration

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Soils Engineering Services, Inc.	Lab Number	: L2040316		
Project Name	: CONEY ISLAND	Project Number	: 11404		
Instrument ID	: SV109	Calibration Date	: 09/28/20 07:23		
Lab File ID	: ABN0928	Init. Calib. Date(s)	: 09/11/20	09/14/20	
Sample No	: WG1415319-3	Init. Calib. Times	: 16:36	09:04	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	106	0
n-Nitrosodimethylamine	0.756	0.734	-	2.9	20	101	0
Pyridine	1.321	1.292	-	2.2	20	102	0
2-Fluorophenol	1.195	1.198	-	-0.3	20	102	0
Aniline	1.998	1.941	-	2.9	20	101	0
2-Chlorophenol	1.354	1.376	-	-1.6	20	104	0
Phenol-d6	1.484	1.427	-	3.8	20	99	0
Phenol	1.756	1.548	-	11.8	20	91	0
Bis(2-chloroethyl)ether	1.237	1.199	-	3.1	20	103	0
1,3-Dichlorobenzene	1.569	1.459	-	7	20	101	0
1,4-Dichlorobenzene	1.603	1.494	-	6.8	20	101	0
1,2-Dichlorobenzene	1.513	1.415	-	6.5	20	100	0
Benzyl alcohol	0.989	0.998	-	-0.9	20	101	0
Bis(2-chloroisopropyl)ethe	1.647	1.697	-	-3	20	112	0
2-Methylphenol	1.211	1.202	-	0.7	20	104	0
Hexachloroethane	0.578	0.575	-	0.5	20	106	0
n-Nitrosodi-n-propylamine	0.84	0.866	-	-3.1	20	104	0
3-Methylphenol/4-Methylphe	1.29	1.279	-	0.9	20	103	0
Nitrobenzene-d5	1.323	1.262	-	4.6	20	98	0
Nitrobenzene	1.297	1.325	-	-2.2	20	106	0
Isophorone	2.344	2.422	-	-3.3	20	103	0
2-Nitrophenol	0.665	0.766	-	-15.2	20	110	0
2,4-Dimethylphenol	1.322	1.222	-	7.6	20	94	0
Bis(2-chloroethoxy)methane	1.612	1.605	-	0.4	20	106	0
2,4-Dichlorophenol	1.134	1.154	-	-1.8	20	102	0
1,2,4-Trichlorobenzene	1.329	1.216	-	8.5	20	100	0
IS1_Naphthalene-d8	1	1	-	0	20	109	0
Naphthalene	1.041	0.951	-	8.6	20	103	0
Benzoic Acid	50	51.888	-	-3.8	20	116	0
4-Chloroaniline	0.119	0.113	-	5	20	103	0
Hexachlorobutadiene	0.182	0.152	-	16.5	20	94	0
p-Chloro-m-cresol	0.28	0.28	-	0	20	107	0
2-Methylnaphthalene	0.692	0.648	-	6.4	20	105	0
1-Methylnaphthalene	0.22	0.206	-	6.4	20	106	0
Hexachlorocyclopentadiene	0.233	0.185	-	20.6*	20	85	0
2,4,6-Trichlorophenol	0.2	0.2	-	0	20	103	0
2,4,5-Trichlorophenol	0.22	0.212	-	3.6	20	100	0
2-Fluorobiphenyl	0.771	0.653	-	15.3	20	95	0
2-Chloronaphthalene	0.659	0.611	-	7.3	20	105	0
2-Nitroaniline	0.188	0.225	-	-19.7	20	117	0
1,4-Dinitrobenzene	0.089	0.103	-	-15.7	20	112	0
1,3-Dinitrobenzene	0.103	0.115	-	-11.7	20	110	0
Dimethyl phthalate	0.737	0.729	-	1.1	20	107	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Soils Engineering Services, Inc.	Lab Number	: L2040316		
Project Name	: CONEY ISLAND	Project Number	: 11404		
Instrument ID	: SV109	Calibration Date	: 09/28/20 07:23		
Lab File ID	: ABN0928	Init. Calib. Date(s)	: 09/11/20	09/14/20	
Sample No	: WG1415319-3	Init. Calib. Times	: 16:36	09:04	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.079	0.995	-	7.8	20	99	0
2,6-Dinitrotoluene	0.145	0.16	-	-10.3	20	108	0
1,2-Dinitrobenzene	0.068	0.073	-	-7.4	20	108	0
IS1_Acenaphthene-d10	1	1	-	0	20	109	0
3-Nitroaniline	0.323	0.364	-	-12.7	20	113	0
Acenaphthene	1.159	1.046	-	9.7	20	102	0
2,4-Dinitrophenol	50	49.245	-	1.5	20	111	0
Dibenzofuran	1.783	1.632	-	8.5	20	103	0
2,4-Dinitrotoluene	0.367	0.405	-	-10.4	20	109	0
4-Nitrophenol	0.237	0.261	-	-10.1	20	109	0
2,3,5,6-Tetrachlorophenol	0.329	0.321	-	2.4	20	101	0
2,3,4,6-Tetrachlorophenol	0.322	0.32	-	0.6	20	103	0
Diethyl phthalate	1.368	1.418	-	-3.7	20	111	0
Fluorene	1.375	1.301	-	5.4	20	106	0
4-Chlorophenyl phenyl ethe	0.665	0.593	-	10.8	20	101	0
4-Nitroaniline	0.312	0.365	-	-17	20	116	0
4,6-Dinitro-o-cresol	50	54.705	-	-9.4	20	121	0
NDPA/DPA	1.137	1.105	-	2.8	20	105	0
Azobenzene	1.207	1.224	-	-1.4	20	107	0
2,4,6-Tribromophenol	0.203	0.203	-	0	20	99	0
4-Bromophenyl phenyl ether	0.371	0.35	-	5.7	20	104	0
Hexachlorobenzene	0.457	0.423	-	7.4	20	106	0
Pentachlorophenol	50	45.841	-	8.3	20	101	0
IS1_Phenanthrene-d10	1	1	-	0	20	110	0
Phenanthrene	1.089	0.977	-	10.3	20	104	0
Anthracene	1.07	1.009	-	5.7	20	103	0
Carbazole	0.983	0.976	-	0.7	20	106	0
Di-n-butylphthalate	1.065	1.275	-	-19.7	20	119	0
Fluoranthene	1.14	1.121	-	1.7	20	106	0
Benzidine	50	46.39	-	7.2	20	105	0
Pyrene	1.215	1.142	-	6	20	102	0
4-Terphenyl-d14	0.885	0.803	-	9.3	20	98	0
Butyl benzyl phthalate	50	54.792	-	-9.6	20	128	0
IS1_Chrysene-d12	1	1	-	0	20	104	0
Benzo(a)anthracene	1.232	1.156	-	6.2	20	97	0
3,3'-Dichlorobenzidine	50	47.813	-	4.4	20	100	0
Chrysene	1.238	1.117	-	9.8	20	99	0
Bis(2-ethylhexyl)phthalate	50	58.39	-	-16.8	20	125	0
Di-n-octylphthalate	50	59.705	-	-19.4	20	132	0
Benzo(b)fluoranthene	1.181	1.198	-	-1.4	20	99	0
Benzo(k)fluoranthene	1.139	1.151	-	-1.1	20	100	0
Benzo(a)pyrene	0.99	1.093	-	-10.4	20	103	0
IS1_Perylene-d12	1	1	-	0	20	105	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2040316		
Project Name	: CONEY ISLAND	**Project Number**	: 11404		
Instrument ID	: SV109	**Calibration Date**	: 09/28/20 07:23		
Lab File ID	: ABN0928	**Init. Calib. Date(s)**	: 09/11/20	09/14/20	
Sample No	: WG1415319-3	**Init. Calib. Times**	: 16:36	09:04	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.017	1.075	-	-5.7	20	101	0
Dibenzo(a,h)anthracene	1.107	1.093	-	1.3	20	98	0
Benzo(ghi)perylene	1.13	1.094	-	3.2	20	97	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2040316		
Project Name	: CONEY ISLAND	**Project Number**	: 11404		
Instrument ID	: SV109	**Calibration Date**	: 09/28/20 07:47		
Lab File ID	: AP90928	**Init. Calib. Date(s)**	: 09/11/20	09/14/20	
Sample No	: WG1415319-4	**Init. Calib. Times**	: 16:36	09:04	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	107	0
Benzaldehyde	1.007	1.023	-	-1.6	20	108	0
Acetophenone	1.704	1.781	-	-4.5	20	109	0
m-Toluidine	1.771	1.781	-	-0.6	20	105	0
2-Chloroaniline	1.618	1.641	-	-1.4	20	107	0
IS2_Naphthalene-d8	1	1	-	0	20	110	0
a-Terpineol	0.242	0.269	-	-11.2	20	117	0
3-Chloroaniline	0.126	0.12	-	4.8	20	105	0
2,6-Dichlorophenol	0.238	0.253	-	-6.3	20	109	0
1-chloro-2-nitrobenzene	0.121	0.128	-	-5.8	20	114	0
Caprolactam	0.118	0.161	-	-36.4*	20	138	0
1,2,4,5-Tetrachlorobenzene	0.292	0.259	-	11.3	20	100	0
Biphenyl	0.774	0.731	-	5.6	20	106	0
IS2_Acenaphthene-d10	1	1	-	0	20	114	0
Dichloran	50	55.217	-	-10.4	20	140	0
Pentachloronitrobenzene	0.135	0.148	-	-9.6	20	117	0
IS2_Phenanthrene-d10	1	1	-	0	20	115	0
Diphenamid	0.382	0.475	-	-24.3*	20	130	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2040316		
Project Name	: CONEY ISLAND	**Project Number**	: 11404		
Instrument ID	: SV109	**Calibration Date**	: 09/28/20 08:11		
Lab File ID	: ADP0928	**Init. Calib. Date(s)**	: 09/11/20	09/14/20	
Sample No	: WG1415319-5	**Init. Calib. Times**	: 16:36	09:04	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	105	0
1,4-Dioxane	50	44.843	-	10.3	20	107	0
n-Decane	1.485	1.377	-	7.3	20	110	0
IS3_Acenaphthene-d10	1	1	-	0	20	107	0
Atrazine	50	52.742	-	-5.5	20	125	0
IS3_Phenanthrene-d10	1	1	-	0	20	105	0
n-Octadecane	0.404	0.414	-	-2.5	20	114	0
Parathion	50	68.097	-	-36.2*	20	170	0
3,3'-Dimethylbenzidine	50	58.468	-	-16.9	20	138	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV109\200928\
Data File : ABN0928.D
Acq On : 28 Sep 2020 7:23 am
Operator : SV109:im
Sample : wg1415319-3,32,,ABN CCV Lot # 8830
Misc : wg1415319,,ical17119
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 28 10:23:36 2020
Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 28 10:22:59 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
2	t	n-Nitrosodimethylamine	0.756	0.734	2.9	101	0.00
3	t	Pyridine	1.321	1.292	2.2	102	0.00
4	S	2-Fluorophenol	1.195	1.198	-0.3	102	0.00
5	T	Aniline	1.998	1.941	2.9	101	0.00
6	t	2-Chlorophenol	1.354	1.376	-1.6	104	0.00
7	S	Phenol-d6	1.484	1.427	3.8	99	0.00
8	T	Phenol	1.756	1.548	11.8	91	0.00
9	T	Bis(2-chloroethyl)ether	1.237	1.199	3.1	103	0.00
10	T	1,3-Dichlorobenzene	1.569	1.459	7.0	101	0.00
11	T	1,4-Dichlorobenzene	1.603	1.494	6.8	101	0.00
12	T	1,2-Dichlorobenzene	1.513	1.415	6.5	100	0.00
13	t	Benzyl alcohol	0.989	0.998	-0.9	101	0.00
14	T	Bis(2-chloroisopropyl)ether	1.647	1.697	-3.0	112	0.00
15	T	2-Methylphenol	1.211	1.202	0.7	104	0.00
16	T	Hexachloroethane	0.578	0.575	0.5	106	0.00
17	T	n-Nitrosodi-n-propylamine	0.840	0.866	-3.1	104	0.00
18	T	3-Methylphenol/4-Methylphen	1.290	1.279	0.9	103	0.00
19	S	Nitrobenzene-d5	1.323	1.262	4.6	98	0.00
20	T	Nitrobenzene	1.297	1.325	-2.2	106	0.00
21	T	Isophorone	2.344	2.422	-3.3	103	0.00
22	T	2-Nitrophenol	0.665	0.766	-15.2	110	0.00
23	T	2,4-Dimethylphenol	1.322	1.222	7.6	94	0.00
24	T	Bis(2-chloroethoxy)methane	1.612	1.605	0.4	106	0.00
25	T	2,4-Dichlorophenol	1.134	1.154	-1.8	102	0.00
26	T	1,2,4-Trichlorobenzene	1.329	1.216	8.5	100	0.00
35	I	IS1_Naphthalene-d8	1.000	1.000	0.0	109	0.00
36	T	Naphthalene	1.041	0.951	8.6	103	0.00
37	T	Benzoic Acid	* 50.000	51.888	-3.8	116	0.00
38	T	4-Chloroaniline	0.119	0.113	5.0	103	0.00
39	T	Hexachlorobutadiene	0.182	0.152	16.5	94	0.00
40	T	p-Chloro-m-cresol	0.280	0.280	0.0	107	0.00
41	T	2-Methylnaphthalene	0.692	0.648	6.4	105	0.00
42	T	1-Methylnaphthalene	0.220	0.206	6.4	106	0.00
43	T	Hexachlorocyclopentadiene	0.233	0.185	20.6#	85	0.00
44	T	2,4,6-Trichlorophenol	0.200	0.200	0.0	103	0.00
45	T	2,4,5-Trichlorophenol	0.220	0.212	3.6	100	0.00
46	S	2-Fluorobiphenyl	0.771	0.653	15.3	95	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV109\200928\
Data File : ABN0928.D
Acq On : 28 Sep 2020 7:23 am
Operator : SV109:im
Sample : wg1415319-3,32,,ABN CCV Lot # 8830
Misc : wg1415319,,ical17119
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 28 10:23:36 2020
Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 28 10:22:59 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene	0.659	0.611	7.3	105	0.00
48	T	2-Nitroaniline	0.188	0.225	-19.7	117	0.00
49	T	1,4-Dinitrobenzene	0.089	0.103	-15.7	112	0.00
50	T	1,3-Dinitrobenzene	0.103	0.115	-11.7	110	0.00
51	T	Dimethyl phthalate	0.737	0.729	1.1	107	0.00
52	T	Acenaphthylene	1.079	0.995	7.8	99	0.00
53	T	2,6-Dinitrotoluene	0.145	0.160	-10.3	108	0.00
54	T	1,2-Dinitrobenzene	0.068	0.073	-7.4	108	0.00
63	I	IS1_Acenaphthene-d10	1.000	1.000	0.0	109	0.00
64	T	3-Nitroaniline	0.323	0.364	-12.7	113	0.00
65	T	Acenaphthene	1.159	1.046	9.7	102	0.00
66	T	2,4-Dinitrophenol	* 50.000	49.245	1.5	111	0.00
67	T	Dibenzofuran	1.783	1.632	8.5	103	0.00
68	T	2,4-Dinitrotoluene	0.367	0.405	-10.4	109	0.00
69	T	4-Nitrophenol	0.237	0.261	-10.1	109	0.00
70	T	2,3,5,6-Tetrachlorophenol	0.329	0.321	2.4	101	0.00
71	T	2,3,4,6-Tetrachlorophenol	0.322	0.320	0.6	103	0.00
72	T	Diethyl phthalate	1.368	1.418	-3.7	111	0.00
73	T	Fluorene	1.375	1.301	5.4	106	0.00
74	T	4-Chlorophenyl phenyl ether	0.665	0.593	10.8	101	0.00
75	T	4-Nitroaniline	0.312	0.365	-17.0	116	0.00
76	T	4,6-Dinitro-o-cresol	* 50.000	54.705	-9.4	121	0.00
77	T	NDPA/DPA	1.137	1.105	2.8	105	0.00
78	T	Azobenzene	1.207	1.224	-1.4	107	0.00
79	S	2,4,6-Tribromophenol	0.203	0.203	0.0	99	0.00
80	T	4-Bromophenyl phenyl ether	0.371	0.350	5.7	104	0.00
81	T	Hexachlorobenzene	0.457	0.423	7.4	106	0.00
82	T	Pentachlorophenol	* 50.000	45.841	8.3	101	0.00
88	I	IS1_Phenanthrene-d10	1.000	1.000	0.0	110	0.00
89	T	Phenanthrene	1.089	0.977	10.3	104	0.00
90	T	Anthracene	1.070	1.009	5.7	103	0.00
91	T	Carbazole	0.983	0.976	0.7	106	0.00
92	T	Di-n-butylphthalate	1.065	1.275	-19.7	119	0.00
93	T	Fluoranthene	1.140	1.121	1.7	106	0.00
94	T	Benzidine	* 50.000	46.390	7.2	105	0.00
95	T	Pyrene	1.215	1.142	6.0	102	0.00
96	S	4-Terphenyl-d14	0.885	0.803	9.3	98	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV109\200928\
Data File : ABN0928.D
Acq On : 28 Sep 2020 7:23 am
Operator : SV109:im
Sample : wg1415319-3,32,,ABN CCV Lot # 8830
Misc : wg1415319,,ical17119
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 28 10:23:36 2020
Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 28 10:22:59 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	*	50.000	54.792	-9.6	128	0.00
104	I	IS1_Chrysene-d12		1.000	1.000	0.0	104	0.00
105	T	Benzo(a)anthracene		1.232	1.156	6.2	97	0.00
106	T	3,3'-Dichlorobenzidine	*	50.000	47.813	4.4	100	0.00
107	T	Chrysene		1.238	1.117	9.8	99	0.00
108	T	Bis(2-ethylhexyl)phthalate	*	50.000	58.390	-16.8	125	0.00
109	T	Di-n-octylphthalate	*	50.000	59.705	-19.4	132	0.00
110	T	Benzo(b)fluoranthene		1.181	1.198	-1.4	99	0.00
111	T	Benzo(k)fluoranthene		1.139	1.151	-1.1	100	0.00
112	T	Benzo(a)pyrene		0.990	1.093	-10.4	103	0.00
113	I	IS1_Perylene-d12		1.000	1.000	0.0	105	0.00
114	T	Indeno(1,2,3-cd)pyrene		1.017	1.075	-5.7	101	0.00
115	T	Dibenzo(a,h)anthracene		1.107	1.093	1.3	98	0.00
116	T	Benzo(ghi)perylene		1.130	1.094	3.2	97	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200928\
Data File : ABN0928.D
Acq On : 28 Sep 2020 7:23 am
Operator : SV109:im
Sample : wg1415319-3,32,,ABN CCV Lot # 8830
Misc : wg1415319,,ical17119
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 28 10:23:36 2020
Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 28 10:22:59 2020
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.476	152	115335	40.000	ug/ml	0.00
35) IS1_Naphthalene-d8	5.720	136	495156	40.000	ug/ml	0.00
63) IS1_Acenaphthene-d10	7.420	164	271698	40.000	ug/ml	0.00
88) IS1_Phenanthrene-d10	8.850	188	526664	40.000	ug/ml	0.00
104) IS1_Chrysene-d12	11.603	240	490009	40.000	ug/ml	0.00
113) IS1_Perylene-d12	13.639	264	512914	40.000	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.190	112	172763	50.119	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 100.24%			
7) Phenol-d6	4.169	99	205663	48.049	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 96.10%			
19) Nitrobenzene-d5	5.023	82	182002	47.695	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 190.78%#			
46) 2-Fluorobiphenyl	6.789	172	404477	42.360	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 169.44%#			
79) 2,4,6-Tribromophenol	8.184	330	68869	49.837	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 99.67%			
96) 4-Terphenyl-d14	10.432	244	528750	45.353	ug/ml	0.00
Spiked Amount 25.000	Range 40 - 140		Recovery = 181.41%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.782	74	105877	48.563	ug/ml#	81
3) Pyridine	1.813	79	186216	48.889	ug/ml	86
5) Aniline	4.156	93	279880	48.592	ug/ml#	62
6) 2-Chlorophenol	4.271	128	198393	50.810	ug/ml	97
8) Phenol	4.181	94	223161	44.075	ug/ml#	55
9) Bis(2-chloroethyl)ether	4.243	93	172792	48.460	ug/ml	95
10) 1,3-Dichlorobenzene	4.417	146	210371	46.504	ug/ml	99
11) 1,4-Dichlorobenzene	4.492	146	215402	46.593	ug/ml	99
12) 1,2-Dichlorobenzene	4.638	146	204009	46.769	ug/ml	99
13) Benzyl alcohol	4.638	79	143875	50.432	ug/ml	97
14) Bis(2-chloroisopropyl)...	4.781	45	244651	51.520	ug/ml#	84
15) 2-Methylphenol	4.772	108	173307	49.646	ug/ml	99
16) Hexachloroethane	4.964	117	82915	49.753	ug/ml	97
17) n-Nitrosodi-n-propylamine	4.905	70	124896	51.592	ug/ml	97
18) 3-Methylphenol/4-Methy...	4.930	108	184400	49.595	ug/ml	99
20) Nitrobenzene	5.042	77	190982	51.081	ug/ml	97
21) Isophorone	5.288	82	349123	51.651	ug/ml	97
22) 2-Nitrophenol	5.359	139	110448	57.572	ug/ml	96

Data Path : I:\8270\SV109\200928\
Data File : ABN0928.D
Acq On : 28 Sep 2020 7:23 am
Operator : SV109:im
Sample : wg1415319-3,32,,ABN CCV Lot # 8830
Misc : wg1415319,,ical17119
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 28 10:23:36 2020
Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 28 10:22:59 2020
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) 2,4-Dimethylphenol	5.443	107	176193	46.216	ug/ml	100
24) Bis(2-chloroethoxy)met...	5.527	93	231431	49.785	ug/ml	97
25) 2,4-Dichlorophenol	5.602	162	166301	50.878	ug/ml	99
26) 1,2,4-Trichlorobenzene	5.676	180	175250	45.724	ug/ml	99
36) Naphthalene	5.738	128	588333	45.639	ug/ml	100
37) Benzoic Acid	5.564	105	154463	51.888	ug/ml	98
38) 4-Chloroaniline	5.813	65	70141	47.464	ug/ml	87
39) Hexachlorobutadiene	5.888	225	94247	41.768	ug/ml	99
40) p-Chloro-m-cresol	6.316	107	173558	50.028	ug/ml	98
41) 2-Methylnaphthalene	6.419	142	401237	46.860	ug/ml	99
42) 1-Methylnaphthalene	6.509	115	127808	46.890	ug/ml	99
43) Hexachlorocyclopentadiene	6.584	237	114345	39.713	ug/ml	99
44) 2,4,6-Trichlorophenol	6.708	196	123612	49.809	ug/ml	99
45) 2,4,5-Trichlorophenol	6.739	196	131268	48.211	ug/ml	98
47) 2-Chloronaphthalene	6.885	162	378192	46.362	ug/ml	99
48) 2-Nitroaniline	7.000	138	139562	59.818	ug/ml	94
49) 1,4-Dinitrobenzene	7.140	168	63691	57.908	ug/ml	84
50) 1,3-Dinitrobenzene	7.215	168	71066	55.514	ug/ml	81
51) Dimethyl phthalate	7.205	163	451340	49.465	ug/ml	100
52) Acenaphthylene	7.280	152	616107	46.139	ug/ml	99
53) 2,6-Dinitrotoluene	7.249	165	98900	54.935	ug/ml	95
54) 1,2-Dinitrobenzene	7.289	168	45056	53.664	ug/ml#	73
64) 3-Nitroaniline	7.401	138	123545	56.314	ug/ml#	95
65) Acenaphthene	7.451	154	355370	45.131	ug/ml	100
66) 2,4-Dinitrophenol	7.507	184	65324	49.245	ug/ml	92
67) Dibenzofuran	7.622	168	554129	45.757	ug/ml	98
68) 2,4-Dinitrotoluene	7.634	165	137634	55.168	ug/ml	87
69) 4-Nitrophenol	7.600	65	88795	55.270	ug/ml	88
70) 2,3,5,6-Tetrachlorophenol	7.715	232	109185	48.877	ug/ml	100
71) 2,3,4,6-Tetrachlorophenol	7.755	232	108839	49.809	ug/ml	100
72) Diethyl phthalate	7.895	149	481712	51.858	ug/ml	100
73) Fluorene	7.951	166	441851	47.295	ug/ml	98
74) 4-Chlorophenyl phenyl ...	7.970	204	201397	44.593	ug/ml	100
75) 4-Nitroaniline	7.989	138	123956	58.426	ug/ml	89
76) 4,6-Dinitro-o-cresol	8.029	198	83386	54.705	ug/ml	93
77) NDPA/DPA	8.091	169	375380	48.622	ug/ml	99
78) Azobenzene	8.122	77	415682	50.682	ug/ml	97
80) 4-Bromophenyl phenyl e...	8.439	248	118842	47.221	ug/ml	98
81) Hexachlorobenzene	8.489	284	143619	46.313	ug/ml	99
82) Pentachlorophenol	8.685	266	88018	45.841	ug/ml	99
89) Phenanthrene	8.871	178	643023	44.853	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200928\
Data File : ABN0928.D
Acq On : 28 Sep 2020 7:23 am
Operator : SV109:im
Sample : wg1415319-3,32,,ABN CCV Lot # 8830
Misc : wg1415319,,ical17119
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 28 10:23:36 2020
Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 28 10:22:59 2020
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90)	Anthracene	8.921	178	664019	47.128	ug/ml	99
91)	Carbazole	9.092	167	642323	49.632	ug/ml	99
92)	Di-n-butylphthalate	9.484	149	839545	59.858	ug/ml	100
93)	Fluoranthene	10.024	202	737707	49.142	ug/ml	99
94)	Benzidine	10.183	184	532383	46.390	ug/ml	99
95)	Pyrene	10.236	202	751493	46.991	ug/ml	100
97)	Butyl benzyl phthalate	10.994	149	382403	54.792	ug/ml	96
105)	Benzo(a)anthracene	11.591	228	707977	46.914	ug/ml	100
106)	3,3'-Dichlorobenzidine	11.600	252	287408	47.813	ug/ml	100
107)	Chrysene	11.638	228	684343	45.132	ug/ml	100
108)	Bis(2-ethylhexyl)phtha...	11.765	149	570219	58.390	ug/ml	100
109)	Di-n-octylphthalate	12.704	149	998133	59.705	ug/ml#	93
110)	Benzo(b)fluoranthene	13.083	252	733734	50.707	ug/ml	99
111)	Benzo(k)fluoranthene	13.123	252	704874	50.511	ug/ml	98
112)	Benzo(a)pyrene	13.552	252	669639	55.235	ug/ml	100
114)	Indeno(1,2,3-cd)pyrene	15.206	276	689158	52.851	ug/ml	99
115)	Dibenzo(a,h)anthracene	15.258	278	700993	49.392	ug/ml	100
116)	Benzo(ghi)perylene	15.569	276	701381	48.406	ug/ml	99

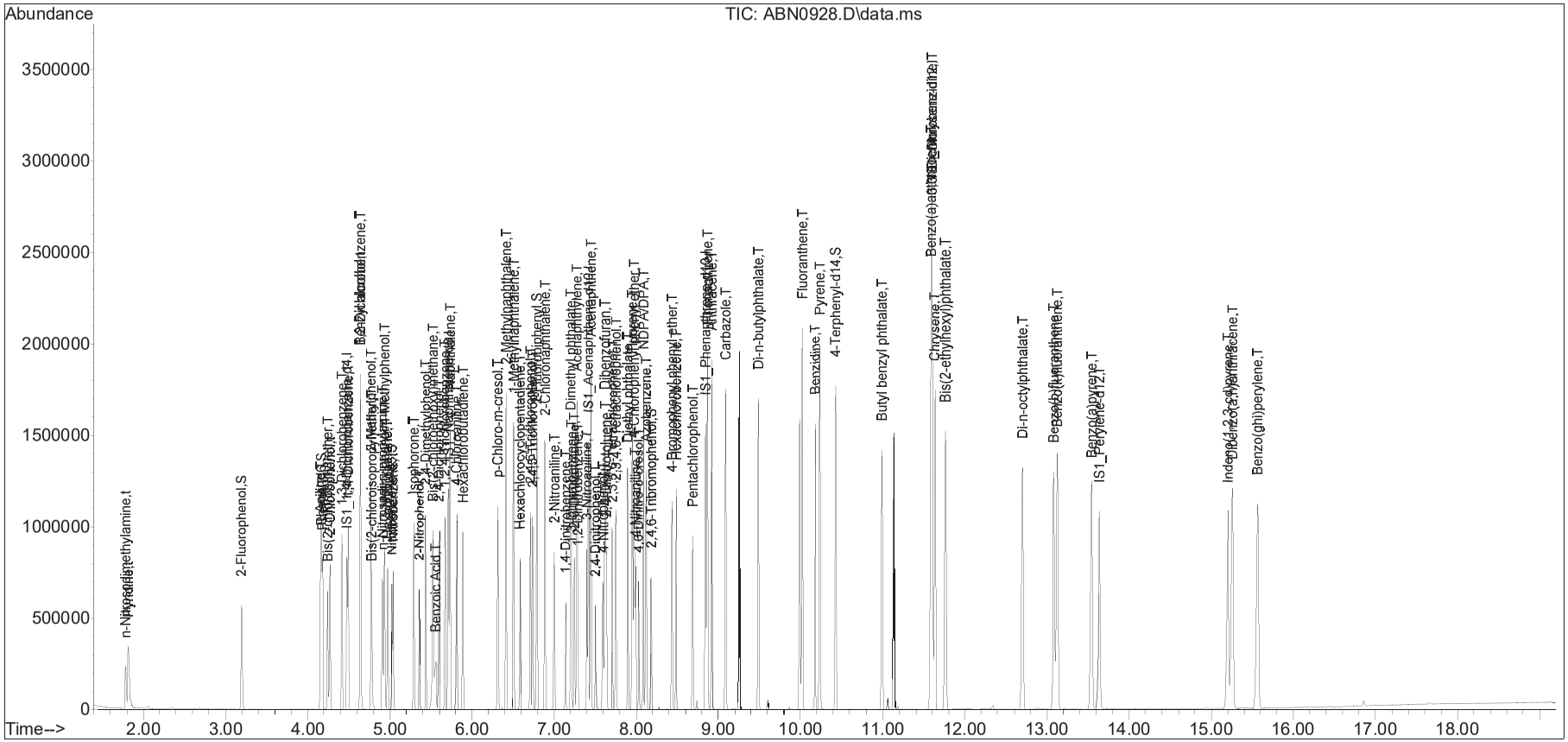
(#) = qualifier out of range (m) = manual integration (+) = signals summed

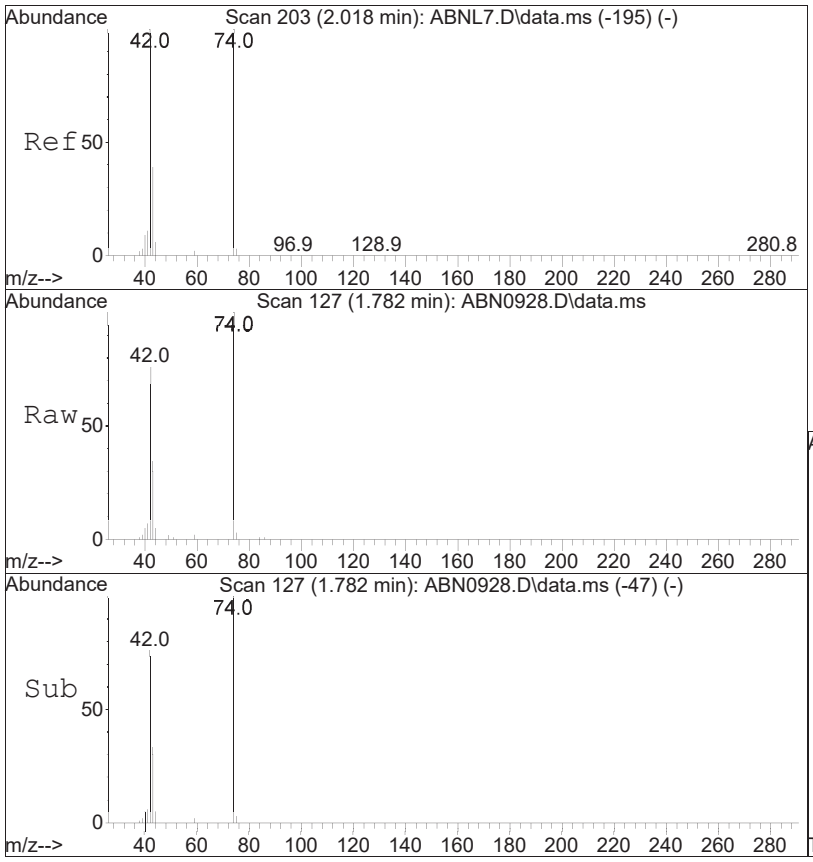
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV109\200928\
Data File : ABN0928.D
Acq On : 28 Sep 2020 7:23 am
Operator : SV109:im
Sample : wg1415319-3,32,,ABN CCV Lot # 8830
Misc : wg1415319,,ical17119
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 28 10:23:36 2020
Quant Method : i:\8270\sv109\200928\FS200911SV109.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 28 10:22:59 2020
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

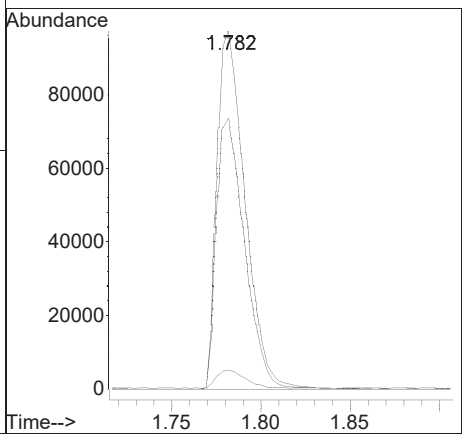


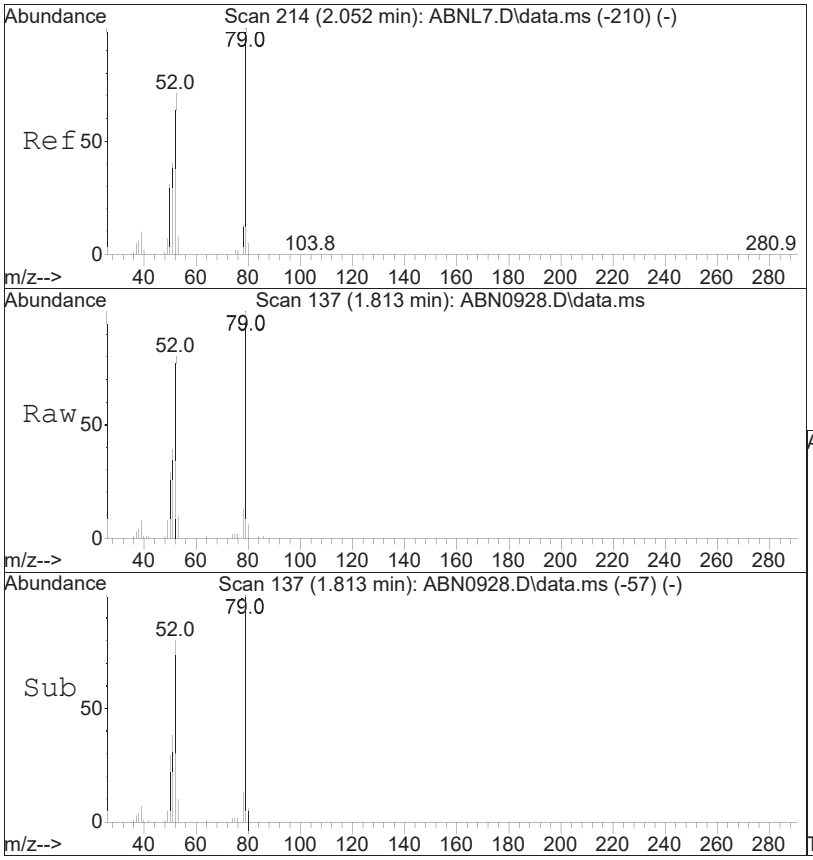


#2
n-Nitrosodimethylamine
Concen: 48.56 ug/ml
RT: 1.782 min Scan# 127
Delta R.T. 0.000 min
Lab File: ABN0928.D
Acq: 28 Sep 2020 7:23 am

Tgt Ion: 74 Resp: 105877

Ion	Ratio	Lower	Upper
74	100		
42	75.7	75.7	113.5
44	5.1	5.7	8.5#

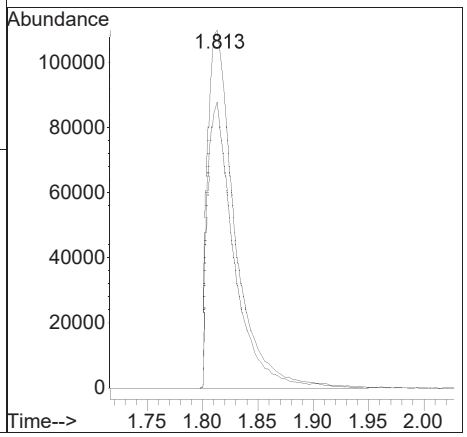


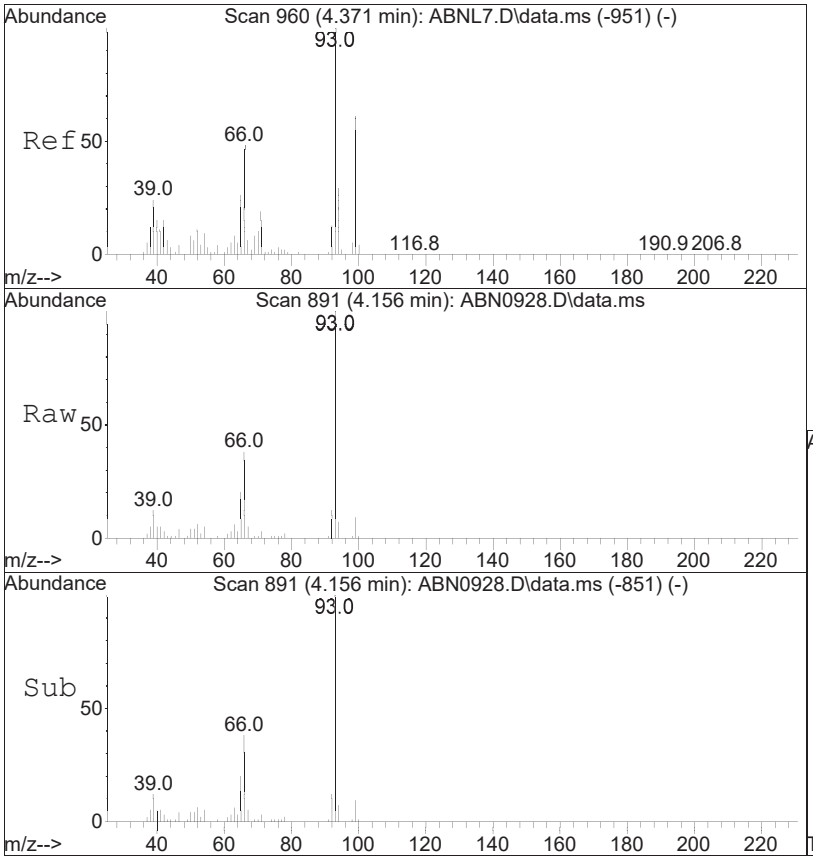


#3
Pyridine
Concen: 48.89 ug/ml
RT: 1.813 min Scan# 137
Delta R.T. 0.000 min
Lab File: ABN0928.D
Acq: 28 Sep 2020 7:23 am

Tgt Ion: 79 Resp: 186216

Ion	Ratio	Lower	Upper
79	100		
52	77.1	71.8	107.8

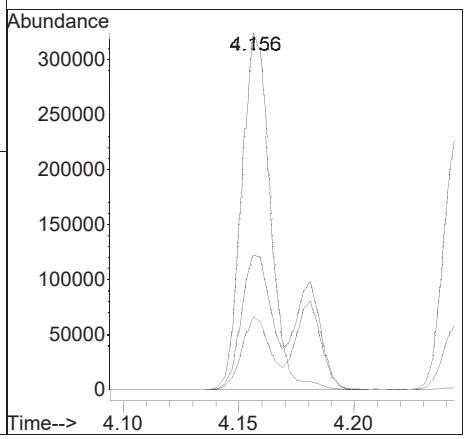


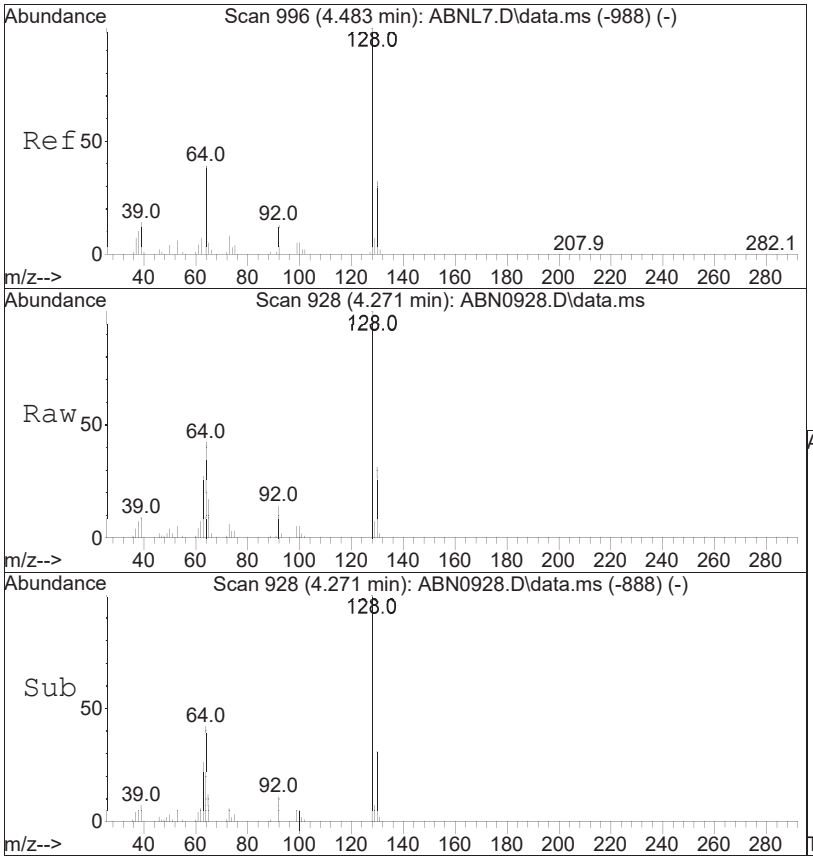


#5
Aniline
Concen: 48.59 ug/ml
RT: 4.156 min Scan# 891
Delta R.T. 0.000 min
Lab File: ABN0928.D
Acq: 28 Sep 2020 7:23 am

Tgt Ion: 93 Resp: 279880

Ion	Ratio	Lower	Upper
93	100		
66	39.9	57.0	85.4#
65	20.6	36.2	54.2#

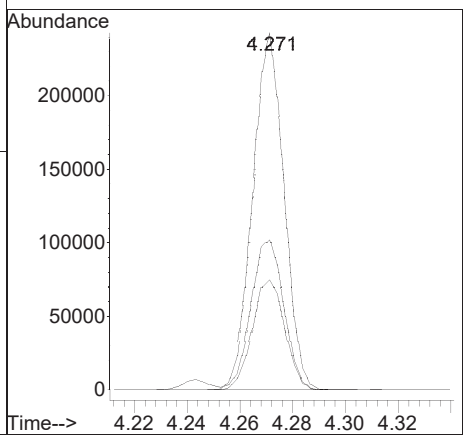


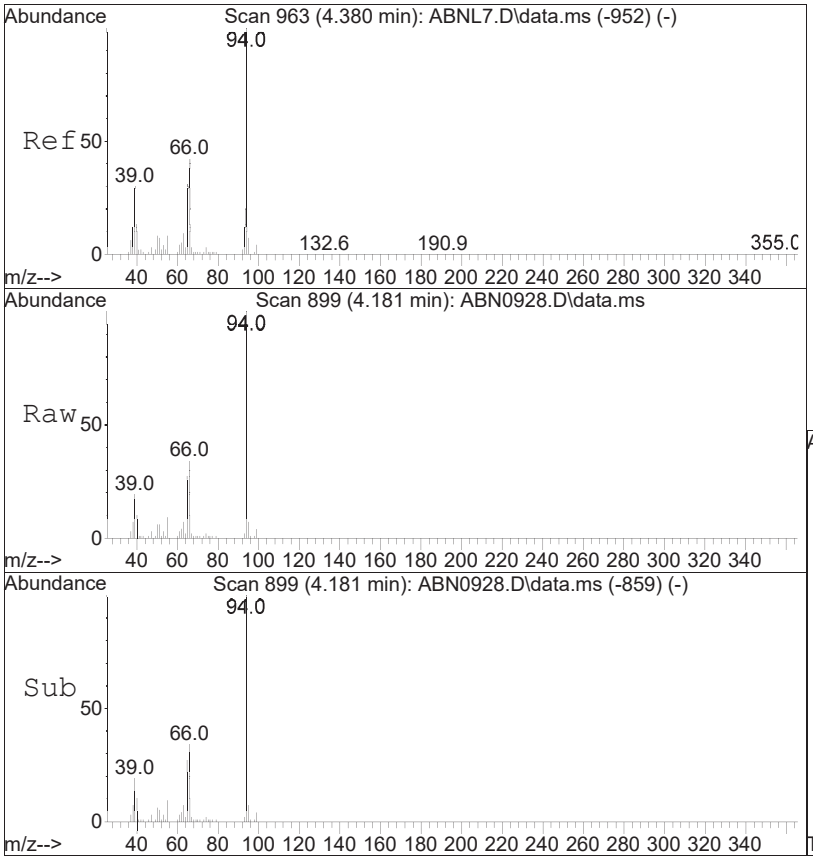


#6
2-Chlorophenol
Concen: 50.81 ug/ml
RT: 4.271 min Scan# 928
Delta R.T. 0.000 min
Lab File: ABN0928.D
Acq: 28 Sep 2020 7:23 am

Tgt Ion:128 Resp: 198393

Ion	Ratio	Lower	Upper
128	100		
64	44.1	38.1	57.1
130	32.1	25.7	38.5

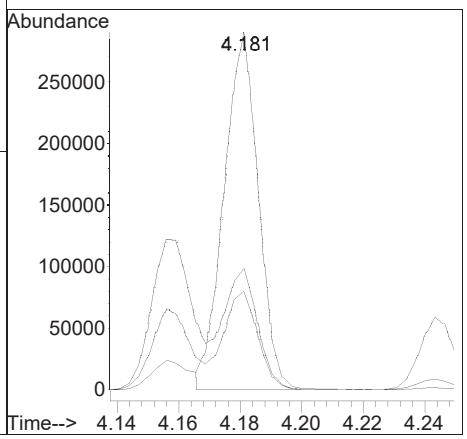


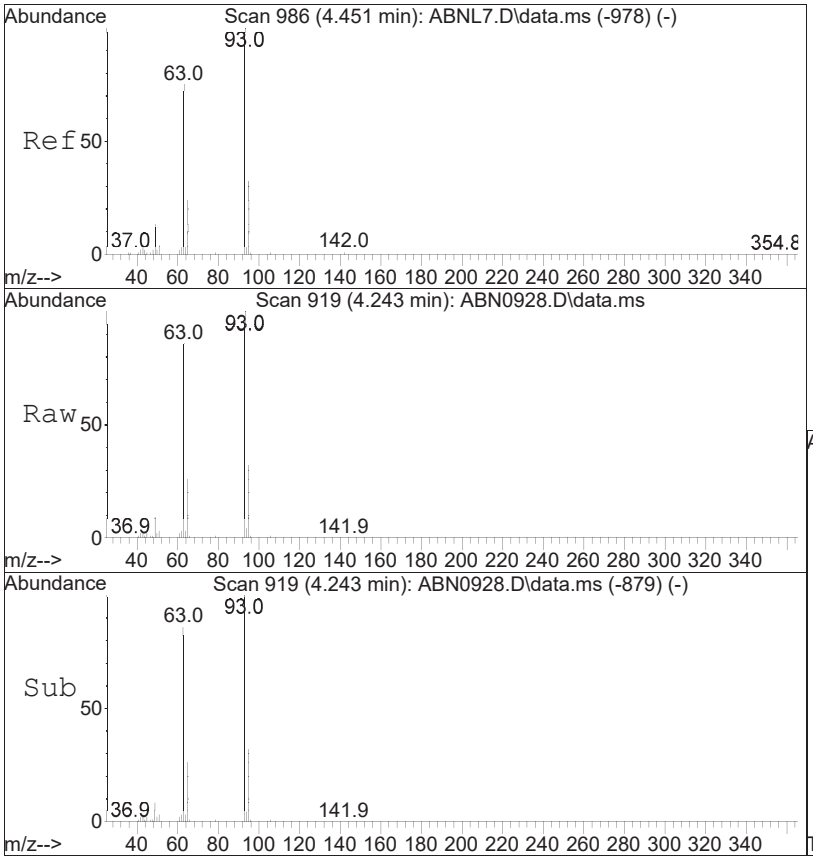


#8
Phenol
Concen: 44.08 ug/ml
RT: 4.181 min Scan# 899
Delta R.T. 0.000 min
Lab File: ABN0928.D
Acq: 28 Sep 2020 7:23 am

Tgt Ion: 94 Resp: 223161

Ion	Ratio	Lower	Upper
94	100		
65	27.6	40.7	61.1#
66	34.5	64.1	96.1#

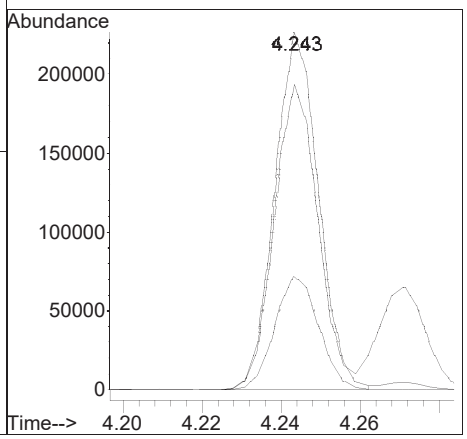


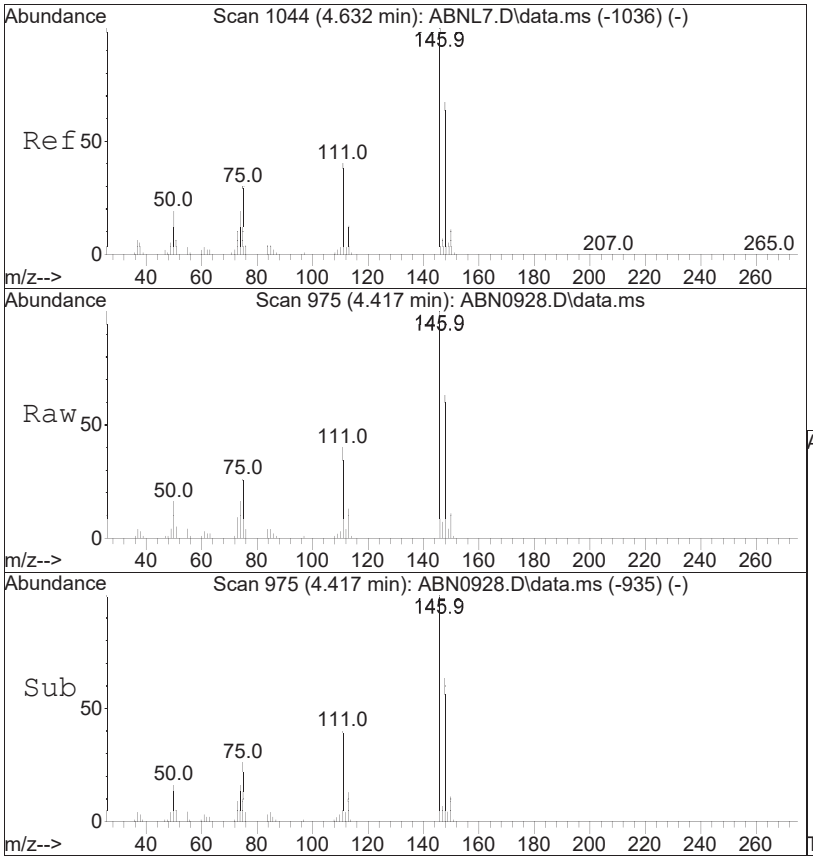


#9
Bis(2-chloroethyl)ether
Concen: 48.46 ug/ml
RT: 4.243 min Scan# 919
Delta R.T. 0.000 min
Lab File: ABN0928.D
Acq: 28 Sep 2020 7:23 am

Tgt Ion: 93 Resp: 172792

Ion	Ratio	Lower	Upper
93	100		
63	85.8	73.7	110.5
95	32.2	26.9	40.3

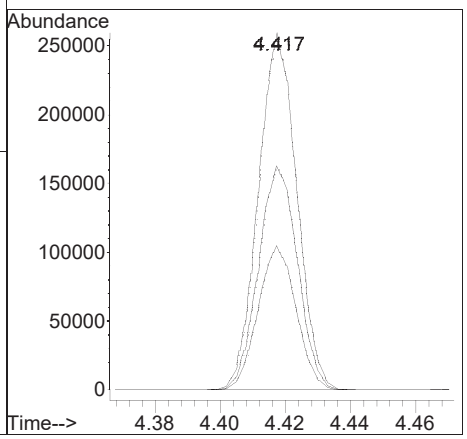


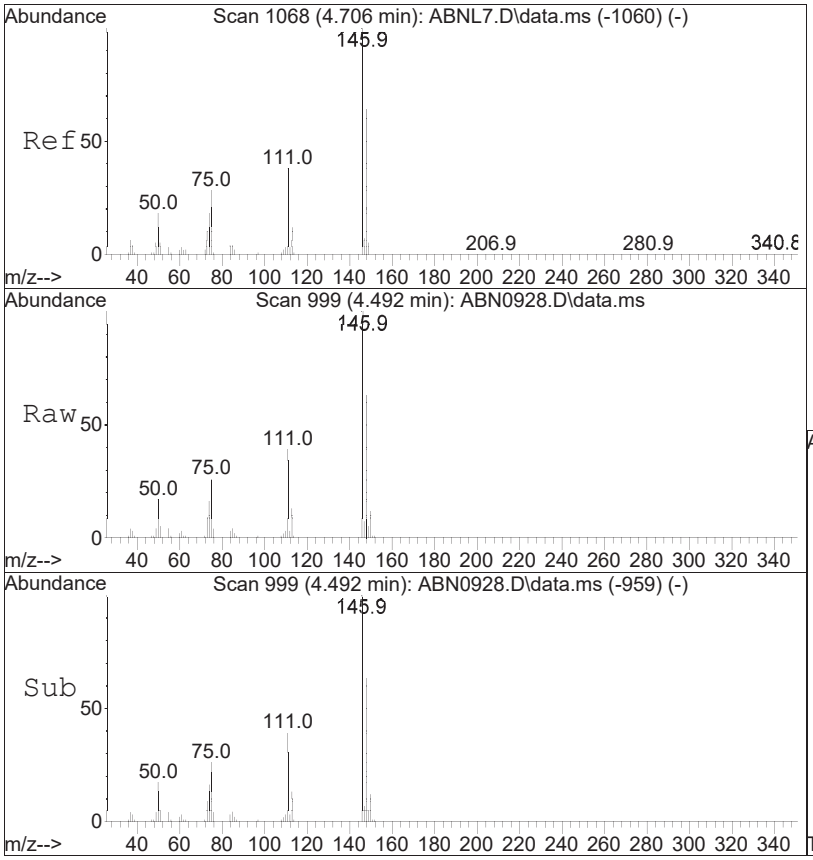


#10
1,3-Dichlorobenzene
Concen: 46.50 ug/ml
RT: 4.417 min Scan# 975
Delta R.T. 0.000 min
Lab File: ABN0928.D
Acq: 28 Sep 2020 7:23 am

Tgt Ion:146 Resp: 210371

Ion	Ratio	Lower	Upper
146	100		
111	40.2	33.0	49.4
148	63.9	51.0	76.6

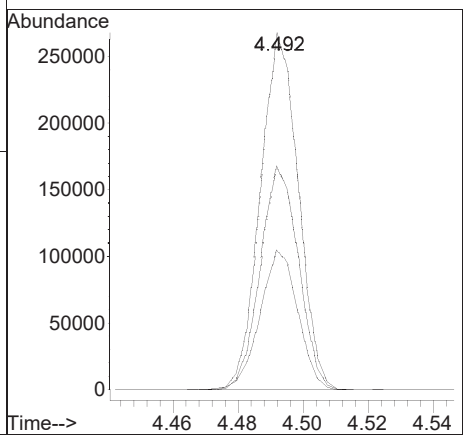


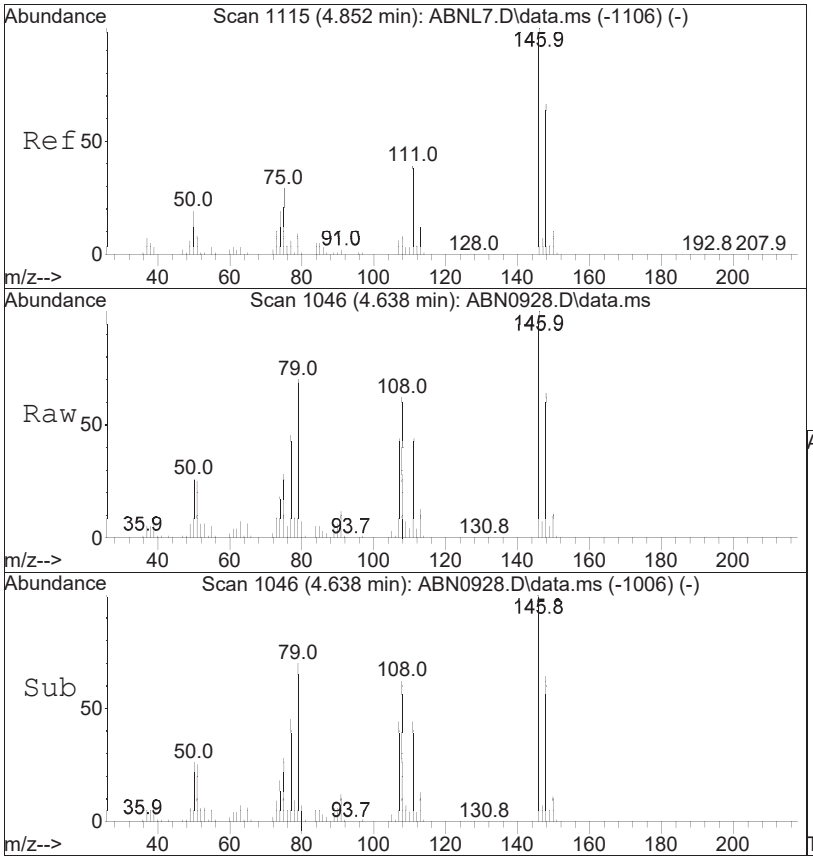


#11
1,4-Dichlorobenzene
Concen: 46.59 ug/ml
RT: 4.492 min Scan# 999
Delta R.T. 0.000 min
Lab File: ABN0928.D
Acq: 28 Sep 2020 7:23 am

Tgt Ion:146 Resp: 215402

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.4	77.0
111	39.6	31.8	47.8

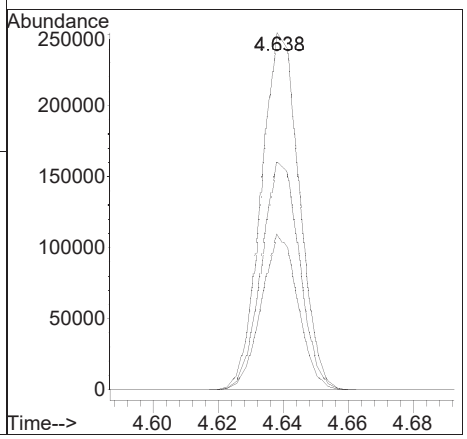


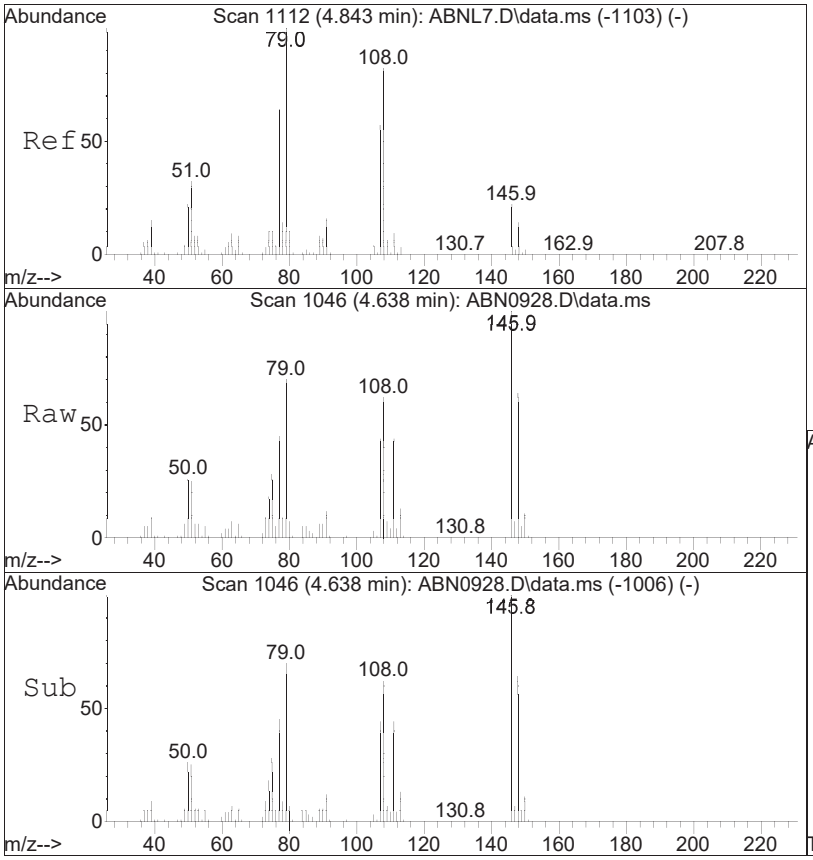


#12
1,2-Dichlorobenzene
Concen: 46.77 ug/ml
RT: 4.638 min Scan# 1046
Delta R.T. 0.000 min
Lab File: ABN0928.D
Acq: 28 Sep 2020 7:23 am

Tgt Ion:146 Resp: 204009

Ion	Ratio	Lower	Upper
146	100		
111	42.1	32.8	49.2
148	63.7	51.4	77.2





#13
Benzyl alcohol
Concen: 50.43 ug/ml
RT: 4.638 min Scan# 1046
Delta R.T. 0.000 min
Lab File: ABN0928.D
Acq: 28 Sep 2020 7:23 am

Tgt Ion: 79 Resp: 143875

Ion	Ratio	Lower	Upper
79	100		
77	64.5	52.4	78.6
108	87.0	66.7	100.1

