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August 10, 2021

Mr. Brian Dietz
Land Restoration Program
Maryland Department of the Environment
1800 Washington Boulevard
Baltimore, MD 21230

RE: Hot Spot Refinement Study
Montgomery Brothers Dump (MD-137)
Inverness Drive, North East, MD
CGS Project No. CG-09-0423.14

Dear Mr. Dietz:

Chesapeake GeoSciences, Inc. (CGS) is pleased to present this report which summarizes the activities performed during the Hot Spot Refinement Study at the Montgomery Brothers Dump site located off of Inverness Drive in North East, Maryland (Site) (**Figure 1**).

1.0 INTRODUCTION

1.1 Background

CGS performed a Hot Spot Investigation at the Site and on two adjacent properties, on behalf of the Maryland Department of the Environment, Land Restoration Program (MDE-LRP), in August through November 2020. This work was performed to gather data for use in delineating the vertical and lateral extent of hot spot contamination that had been detected at the Site during prior subsurface investigative activities. The data collected during this work demonstrated that the hot spot area is fairly limited in extent and has a well-defined core and that soil contamination in the hot spot area extends to depths below the groundwater table. The data demonstrate that chlorinated volatile organic compounds (c-VOCs) are the primary constituents of potential concern (COPCs) for the Site.

The layout of the Site and the surrounding area are shown on **Figure 2**. Work activities were performed on-site and on one off-site residential property. MDE-LRP arranged access to the off-site residential property where work activities were performed. Unless noted otherwise, the scope of work for the Hot Spot Refinement Study was performed as specified in the Work Plan included in CGS Proposal CG-P21-2674, dated March 19, 2021.

1.2 Purpose

The purpose of the Hot Spot Refinement Study was to gather additional data which will refine and expand upon the data collected during the Hot Spot Investigation for use in designing an effective hot spot removal action. The additional data will allow approximate determination of the following:

- the expected contaminants and concentration ranges associated with the material targeted for removal;

- the dimensions (x,y,z) of the hot spot material targeted for removal;
- the degree to which the targeted materials reside in the saturated zone;
- the expected magnitude of the dewatering effort that will be required to effect the desired removal; and
- the approximate amount of material that will have to be managed and disposed of as hazardous waste.

An additional goal of the Hot Spot Refinement Study was to evaluate the c-VOC concentrations at three discrete locations outside of the hot spot area as identified during the High Resolution Site Characterization (HRSC) Survey performed as part of the Hot Spot Investigation.

The areas in which the Hot Spot Refinement Study was performed, relative to Hot Spot Investigation data locations, are shown on **Figure 3**. Note that the hatched area between the guardrail and the back fence on 105 Inverness Drive is thickly vegetated and was not accessed during this investigation.

2.0 FIELD INVESTIGATION – METHODOLOGY, FIELD OBSERVATIONS, AND INTERIM RESULTS

The field investigation was initiated on May 10, 2021 and was completed on May 21, 2021. The site specific Health & Safety Plan (HASP) was updated for the field tasks performed during the field investigation. The field investigation was comprised of public utility clearances; collection of subsurface soil samples from seven soil boings; installation of five temporary wells; an excavation dewatering pilot test; abandonment of the temporary wells; and investigation derived waste (IDW) containment and IDW disposal. Additionally, a Stabilized Construction Entrance (SCE) was installed at the Site. Brief discussions of the field investigation methodologies and field observations are presented below.

2.1 Pre-Field Mobilization Activities

Site-Wide Geoprobe® Permits

A site-wide Geoprobe® permit was obtained for each property by a Maryland-licensed driller from the Cecil County Health Department.

Schedule Coordination

CGS coordinated scheduling of the various field investigation sub-tasks with the MDE-LRP project manager and the property owner/tenant for the 105 Inverness Drive residential property.

Utility Clearances

Prior to initiating subsurface investigation activities, CGS requested public utility clearances using the Miss Utility system for the on-site and off-site areas where subsurface activities were planned.

2.2 Stabilized Construction Entrance

A SCE was installed at the Site, in the right-of-way from Inverness Drive to inside the site gate, on May 10. The SCE was installed in the right-of-way because it had been too soft for heavy equipment and trucks to travel over it. The SCE facilitated truck delivery and pickup of the holding tank utilized to contain water generated from the dewatering pilot test and will also be used for heavy equipment and trucks during the next phase of work to remove the Hot Spot.

The SCE was constructed with #2 Stone placed on a geotextile. Photographs of the nearly complete/completed SCE are included in **Attachment A**. During installation of the SCE, the field crew removed a portion of the fence that encroached into the Site's right-of-way from 105 Inverness Drive. The fence posts had decayed and could not be reinstalled using the existing materials after the SCE had been constructed. Authorization of a Work Order to install a temporary fence was received on June 16, and the temporary fence was installed on July 7. If a more permanent fence is deemed necessary, CGS will include its installation in a Work Order to be developed after the hot spot removal action has been completed.

2.3 Soil Boring Program and Temporary Well Installations

The soil boring program and temporary well installations were performed between May 11 and May 14. A total of 11 soil borings were advanced during this time, and temporary wells were installed in five of the soil borings. The soil boring and temporary well locations, relative to Hot Spot Investigation data locations, are shown on **Figure 4**. The soil boring program and temporary well installations were performed in accordance with the pre-determined Sampling Plan detailed in **Table 1**.

The soil borings were advanced using a Geoprobe® 7822DT direct-push technology (DPT) rig, operated by Tidewater, Inc. (TW) of Elkridge, Maryland, to the target depths specified in the Sampling Plan. Continuous soil core was retrieved from the borings using a Macrocore sampler. A CGS geologist screened the recovered soil core for VOCs using a photoionization detector (PID) and briefly logged the soil core. PID readings in the soil core ranged from 0 to 9,030 ppm. Hand written soil boring logs are included in **Attachment B**. Activities performed in the core of the hot spot area were conducted using Level C respiratory protection. A second PID with an 11.7eV lamp and a high capacity fan were on-site for use during times when Level C respiratory PPE was utilized. All non-dedicated equipment that was utilized was decontaminated prior to and after use.

The following are brief discussions about each set of soil borings and the temporary wells.

Evaluate soil contaminant levels at three discrete locations outside of the hot spot area

Notable Electron Capture Detector (ECD) and Halogenated Specific Detector (XSD) responses were detected outside of the hot spot area at HRSC-02, HRSC-22, and HRSC-34 during the HRSC Survey performed as part of the Hot Spot Investigation. One soil boring (HSI-SB-11, HSI-SB-12, and HSI-SB-13, respectively) was advanced adjacent to each of these HRSC borings. Seven of the eight soil samples obtained from the borings were collected at the depths where the ECD and/or XSD peaks were detected during the HRSC Survey. The eighth soil sample was collected slightly below the planned depth [11.5 feet below grade (BG) as opposed to 10.75 feet BG] based on the results of PID screening.

Vertical delineation of soil contaminant levels in the Hot Spot Area

Three soil borings (HSI-SB-14, HSI-SB-15, and HSI-SB-16) were advanced in the core of Hot Spot area for vertical delineation. Nine soil samples (i.e., one soil sample every two feet between the depths of 2 and 20 feet BG) were collected from each of these borings. One soil boring (HSI-SB-21) was advanced outside of the core of Hot Spot area for additional vertical delineation. Six soil samples (i.e., one soil sample every two feet between the depths of 3 and 15 feet BG) were collected from HSI-SB-21. The results of PID screening were utilized to select the soil sample within each targeted depth interval.

Installation of temporary wells for the dewatering pilot test

Temporary wells were installed to a depth of 20 feet BG in soil borings HSI-SB-16, HSI-SB-17, HSI-SB-18, HSI-SB-19, and HSI-SB-20. The wells were constructed with 1-inch ID Schedule 40 PVC and 15 feet of 1-inch ID 0.010-inch slotted Schedule 40 PVC. A sand filter pack was placed in the annular space around each well screen to a depth of approximately 1 foot above the well screen. Bentonite was placed in the annular space above each sand filter pack to the ground surface. The top of the PVC casing was covered with a PVC cap. No surface completions were installed. The top of the PVC casing was flush with the ground surface at HSI-TW-01, HSI-TW-03, and HSI-TW-04. HSI-TW-02 and HSI-TW-05 had stickups of 0.4 and 2.4 feet respectively. The wells were developed for a short duration by pumping following installation. Well development water was temporarily contained in a 55-gallon drum.

The soil samples were collected using Terra-Core samplers according to EPA Method 5035. Three duplicate soil samples were collected from the borings advanced in the core of Hot Spot area. The Work Plan included provisions for the collection of up to six additional soil samples in the event that elevated PID readings are detected at depths not initially targeted for sampling; however no additional soil samples were collected.

Following the completion of soil sampling, the soil borings, in which temporary wells were not installed, were abandoned using the excess soil core from that specific boring followed with bentonite as backfill and capped with soil. Excess soil core that did not fit back into the specific boring and from soil borings where temporary wells were installed was contained in a 55-gallon drum.

The soil samples were submitted, with an accompanying Chain-of-Custody (COC) form, to Hampton-Clarke, Inc. (Hampton-Clarke) in Fairfield, New Jersey for laboratory analysis of VOCs via EPA Method 8260.

2.4 Excavation Dewatering Pilot Test

Dewatering of the hot spot will be required to enable the removal of the bulk of the contaminated soil mass. Otherwise, contaminated soil excavation in the unsaturated zone without dewatering is expected to be limited to the top 2 to 3 feet of contaminated soil. (The static groundwater level in the hot spot is approximately 5 feet BG, and the shallowest soil contamination found thus far is 2 to 3 feet BG.) The pilot test was performed to gather data which will be used to determine the method to be employed for dewatering in the hot spot area, the flow rate and time necessary to dewater to a target depth(s), and the expected disposal cost for the generated water.

The pilot test was performed between May 18 and May 20. SMP-MW-03, located in the center of the hot spot area, was used as the pumping well. The generated water was stored in a 2,400-gallon holding tank for off-site disposal. Groundwater levels were monitored manually using an interface probe in the pumping well and the five temporary wells. The temporary wells were monitored to record water level responses to pumping of SMP-MW-03. The pumping rate during the pilot test was adjusted on an on-going basis to deliver the maximum sustainable yield from the pumping well and produce the maximum amount of drawdown in the surrounding temporary wells. The measured pumping rate and gauging results for the pumping well and temporary wells were recorded on field data sheets.

The pilot test was performed for a duration of 56 hours which was sufficiency long enough to establish static groundwater levels in the wells. CGS personnel were on-site for the entirety of the pilot test, including the overnight periods, to monitor water levels, adjust the pumping rate, and monitor the volume of generated water.

2.5 Temporary Well Abandonments

TW abandoned the temporary wells on May 21. The wells were abandoned by pulling the well casings and then sealing the boreholes with bentonite.

2.6 Investigation Derived Waste (IDW) Management

2.6.1 Soil IDW

As discussed above in Section 2.3, excess soil core was used for boring abandonment to the extent feasible. Excess soil core not used for boring abandonment was drummed. Given the likely hazardous classification of some of this soil, the drum containing the soil was labeled as containing hazardous waste. The drum was staged on-site pending future site activity. If it is possible, CGS will move the soil core from the drum and dispose of it with the bulk hazardous soil that will be excavated during the upcoming removal action. The soil core was placed in plastic bags inside the drum to facilitate it potentially being moved and to allow future reuse of the drum. This drum will be transported to a permitted disposal facility in the event that combining excess soil core with the excavated soil is not feasible.

2.6.2 Water IDW

Well development water and the water used for small-equipment decontamination generated as discussed above in Section 2.3 was temporarily drummed. As discussed above in Section 2.4, water generated during the excavation dewatering pilot test was contained in a 2,400-gallon holding tank. Prior groundwater analytical data from SMP-MW-03 were used to characterize the water in the holding tank as hazardous waste.

CGS arranged for the removal and proper disposal of the water IDW with ACV Enviro (ACV) of Baltimore, Maryland. CGS coordinated the disposal documentation and forward it to MDE-LRP for review. MDE-LRP authorized a representative of ACV to sign the waste manifest on behalf of MDE-LRP as the agent for the unknown generator. The water stored in the holding tank and in the drum was emptied by a vacuum tanker truck. The holding tank was pressure washed prior to its return to the rental company. The drum was also pressure washed to allow its reuse. A total of 568 gallons of water was transported as hazardous waste to ACV's permitted disposal facility in Lewisberry, Pennsylvania on May 21. The IDW disposal documentation is included in **Attachment C**.

3.0 LABORATORY ANALYTICAL RESULTS

The analytical results for the detected analytes in the soil samples are presented in **Table 2**. Full analytical results are presented in **Table D-1 in Attachment D**. The results are reported in the data tables in milligrams per kilogram (mg/kg or ppm). Concentrations for detected analytes are shown on the tables in bold text. Method Detection Limits (MDLs) for analytes that were not detected in a particular sample are shown in the tables in gray text and qualified with a "U". Any analyte detected in the samples at a concentration above the MDL, but below the Reporting Limit (RL) is presented in the tables with a "J" qualifier, indicating that the result is considered an estimated concentration.

3.1 Analytical Laboratory Results Screening Methodology

The soil analytical data were compared to the MDE Residential Soil Cleanup Standards (RSCSs) (MDE, October 2018). These screening levels were developed for residential receptors based on the dermal contact, incidental ingestion, and inhalation of volatiles/fugitive dust (in open air) exposure routes. While not directly applicable for the subsurface soil (i.e., direct contact with the subsurface soil is not anticipated

given its depth), use of the MDE RSCSs provides a conservative means of highlighting concentrations that may be of potential concern in the event of a complete direct contact exposure pathway.

The results of the screening are shown in the data tables. Detected analyte concentrations or MDLs which exceed the MDE RSCSs are underlined. Red text is used to highlight detected analyte concentrations which exceed the MDE RSCSs. Brief summaries of the analytical results and the results of the screening are included below in Section 3.2. A more detailed interpretation of the analytical results is included below in Section 4.2.

3.2 Subsurface Soil Sample Analytical Results

The analytical results for the subsurface soil samples are presented in **Table 2** and in **Table D-1 in Attachment D**. The laboratory reports and COC documentation are included in **Attachment E**.

As shown in **Table 2**, 33 VOCs were detected in the subsurface soil samples. (Note: Total xylenes was not included in this accounting because its isomers were reported.)

1,1,2,2-Tetrachloroethane, 1,1,2-trichloroethane, 1,2-dichloroethane, benzene, chlorobenzene, cis-1,2-dichloroethene (cis-1,2-DCE), ethylbenzene, m&p-xylenes, methylene chloride, o-xylene, tetrachloroethene (PCE), toluene, trichloroethene (TCE), vinyl chloride (VC), and total xylenes were detected at concentrations that exceed the MDE RSCSs.

4.0 SITE CHARACTERIZATION DISCUSSION

Previous site data were utilized in combination with the data generated during this investigation to gain additional understanding of the hydrogeologic and contaminant conditions within the investigation areas as discussed below in Sections 4.1 and 4.2, respectively. The results of the excavation dewatering pilot test are discussed below in Sections 4.3. The removal action conceptual remedial approach is presented in Section 4.4.

4.1 Hydrogeologic Data Discussion

The stratigraphy encountered in the soil borings, advanced in the hot spot area during this investigation and the Hot Spot Investigation, consisted primarily of damp, medium stiff to stiff, clayey silt/silt or damp, medium dense to dense, silty or clayey sand. Occasional intervals predominately containing other fractions (e.g., gravel, gravelly sand, sand, and silty clay) and/or softer/looser fractions were also encountered in the borings. Intervals identified as fill or reworked material were encountered in the borings to depths ranging from 1.5 to 13 feet BG. At times, the fill contained debris such as plastic sheeting, plastic, brick fragments, glass, rubber, cloth, vinyl, burned materials, ceramics, or trash. Some borings contained intervals of organic/swamp sediments and/or wood fragments. Evidence of the clay cap was observed at a depth of 1.5 feet BG in HSI-SB-19. Soil core obtained below depths ranging from 5 to 14.5 feet BG often exhibited a weathered bedrock texture. All of the borings advanced in the hot spot area were advanced to the target depth of 20 feet BG.

Sustained wet conditions were observed in the soil core from only one of the borings advanced during the Hot Spot Investigation [i.e., HSI-SB-04 (12-20 feet BG)]. Wet conditions were observed in discrete intervals in the soil core from approximately one-third of the remaining borings from both investigations. In most of the remaining borings, indications of possible groundwater were observed on occasional as thin slightly moist/moist zones. Damp conditions only were observed in the soil core from some of the borings. Groundwater accumulated in all five of the temporary wells installed during this investigation (HSI-TW-01 through HSI-TW-05) to depths ranging from 4.3 feet BG at HSI-TW-04 to 6.3 feet BG at HSI-TW-03.

Historic gauging data, from the three wells located in or near the hot spot area and listed geographically from northwest to southeast, are summarized below in **Table A**. Note that near drought conditions occurred during the Fall 2019 Semi-Annual Sampling Event as reflected in the gauging data collected on October 31, 2019.

Table A
Historic Gauging Data (feet BG)

Well	11/7/2001	3/16/2016	10/31/2019	5/5/2020	9/8/2020	12/23/2020	5/18/2021	6/15/2021
MW-3	5.7	0.8	6.3	1.5	Not Gauged	1.0	2.0	1.9
SMP-MW-03	Not yet installed		9.6	5.8	5.0	5.1	5.6	4.5
MW-2	16.2	9.1	17.3	8.4	12.5	8.7	Not Gauged	10.6
HSI-TW-01	Not yet installed						5.2	Abandoned
HSI-TW-02	Not yet installed						5.2	Abandoned
HSI-TW-03	Not yet installed						6.3	Abandoned
HSI-TW-04	Not yet installed						4.3	Abandoned
HSI-TW-05	Not yet installed						4.5	Abandoned

The groundwater/surface water contour map generated during the recent Semi-Annual Sampling Events indicates that the direction of groundwater flow from the hot spot area is toward the east-northeast.

4.2 Contaminant Site Characterization

Figures 5 through 13 were generated to illustrate the distribution of analytes detected in the soil samples obtained during this investigation and the Hot Spot Investigation. Additionally, six figures from the Hot Spot Investigation Report are included in **Attachment F** for reference. These figures are referred to as **Attachment F – Figure 11, Attachment F – Figure 16, and Attachment F – Figure 19 through Attachment F – Figure 22.** Discussion of the data illustrated in these figures, relative to the contaminant characterization goals of this investigation (discussed above in Section 1.2), is presented below in Sections 4.2.1 and 4.2.2.

The VOCs detected in the soil samples obtained during both investigations at concentrations above the MDE RSCSs fall into the following two categories:

- Chlorinated VOCs (c-VOCs): 1,1,2,2-tetrachloroethane, 1,1,2-trichloroethane, 1,2-dichloroethane, chlorobenzene, cis-1,2-DCE, methylene chloride, PCE, TCE, and VC ; and
- Petroleum VOCs (p-VOCs): benzene, ethylbenzene, toluene, xylenes, and naphthalene (as a SVOC).

4.2.1 Evaluation of Soil Contamination at the Three Discrete Locations Outside of the Hot Spot Area

Figure 5 illustrates the distribution of analytes detected in the soil samples obtained from soil borings HSI-SB-11, HSI-SB-12, and HSI-SB-13 at or near the depths where the ECD and/or XSD peaks were detected during the HRSC Survey. As shown in **Table 2** (page 1) and in **Figure 5**, concentrations above the MDE RSCSs were detected only in the sample obtained from a depth of 3 feet BG from HSI-SB-11.

4.2.2 Hot Spot Area Soil Contamination Delineation

Table 2 (pages 2 through 5) presents the analytical results for the VOCs detected in the subsurface soil samples collected from HSI-SB-14, HSI-SB-15, HSI-SB-16, and HSI-SB-21. **Figures 6 through 8** illustrate the distribution of analytes detected in the soil samples obtained from these soil borings. Given the number of samples that were obtained from each boring, the results were segregated into three depth intervals to allow for effective data presentation. **Attachment F – Figure 11** illustrates the distribution of analytes detected in the soil samples obtained from the soil borings advanced during the Hot Spot Investigation.

Figure 9 illustrates summaries of the soil analytical data detected in the soil samples obtained from the soil borings advanced in the hot spot area during this investigation and from all of the soil borings advanced during the Hot Spot Investigation (i.e., summaries of the analytical data presented on **Figures 6 through 8** and on **Attachment F – Figure 11**). The summaries present the total VOC concentration for each soil sample and the number of analytes in each sample that exceed the respective MDE RSCS. Color coding is used to highlight samples where the total VOC concentration exceeds 10, 100, or 1,000 ppm (in instances where at least 1 analyte exceeds the respective MDE RSCS) and samples that were or were likely collected below the seasonal high groundwater table.

Figures 10 through 13 present total VOC isoconcentration maps segregated into discrete 4-foot depth intervals (i.e., 2 to 6 feet, 6 to 10 feet, 10 to 14 feet, and 14 to 18 feet BG). Isoconcentration contour lines depicting total VOC concentration of 10, 100, or 1,000 ppm are presented on the figures. It should be noted that the isoconcentration contour lines depicted on **Figures 10 through 13** present a highly generalized conception of the distribution of the soil contamination. The non-homogeneous nature of the soil contamination in the hot spot area was demonstrated during the Hot Spot Investigation when comparing the results of the soil sample and duplicate soil sample collected from HSI-SB-01 between the depths of 6 and 6.5 feet BG and now when comparing the results of soil samples collected from proximal locations either from the same boring or the adjacent borings of HSI-SB-01 and HSI-SB-14. In instances where more than one sample was collected from an interval, the higher concentration was used for contouring in the event of contouring conflicts. Data from HSI-SB-02 and HSI-SB-08 were not contoured because they are located outside of the core of the hot spot area as demonstrated by the data from HSI-SB-21. ECD and/or XSD data from HRSC Survey, performed as part of the Hot Spot Investigation, were utilized to assist in developing the isoconcentration contour lines in areas where soil samples were not collected.

The soil analytical data presented on **Figures 9 through 13** correlate well with the data from the HRSC Survey. The isoconcentration maps depict a cone-shaped area of soil contamination, similar to that depicted in **Attachment F – Figures 16, 19, 21 (A and B), and 22 (A and B)**, which is wider at the top and narrows with depth. The soil analytical data demonstrate high levels of adsorbed phase contamination in HSI-SB-14 to an approximate depth of 14 feet BG.

As discussed in the Hot Spot Investigation Report, the HRCS sensors detect contamination in subsurface vapor (vapor-phased contamination), in subsurface soil (adsorbed-phased contamination), and in groundwater (dissolved-phased contamination) without distinction of media. Groundwater was gauged at a depth of approximately 5 feet BG in SMP-MW-03 during the HRSC Survey. Accordingly, the ECD and XSD responses detected at depths of 5 feet BG or less in this immediate area may reflect vapor-phased and/or adsorbed-phased contamination; whereas the ECD and XSD responses detected at depths of 5 feet BG or greater may reflect adsorbed-phased and/or dissolved-phased contamination. The soil analytical data from both phases of investigation indicate that the mass of adsorbed-phased soil contamination is contained within a smaller footprint than that depicted on **Attachment F – Figures 16, 19, 21 (A and B), and 22 (A and B)**.

Additionally as discussed in the Hot Spot Investigation Report and shown on **Attachment F – Figure 22 (A and B)**, an area of shallow contamination was detected during the HRSC Survey at HSI-HRSC-39. This area starts at a depth of approximately 1.5 feet BG and diminishes vertically downward at this location but appears to connect laterally toward the core of the hot spot area where deeper responses were recorded. A near surface soil sample (i.e., collected between the depths of 0.5 and 1.0 foot BG) was collected at HSI-SS-07 and soil boring HSI-SB-04 was advanced adjacent to HSI-HRSC-39 during the Hot Spot Investigation to investigate the ECD and XSD responses at HSI-HRSC-39. No VOC concentrations that exceeded the MDE RSCSs were detected in the near surface soil sample from HSI-SS-07. The PID readings recorded in the soil core obtained from HSI-SB-04 were unremarkable. The highest PID reading (15.1 ppm) was recorded at a depth of approximately 9.75 feet BG, and a soil sample was collected for laboratory analysis between the depths of 9.5 and 10 feet BG. As shown on **Figure 9**, the total VOC concentration in this sample was 0.30 ppm. As shown on **Attachment F – Figure 11**, only vinyl chloride was detected at a concentration that exceeded the MDE RSCSs. The source of the ECD and XSD responses at HSI-HRSC-39 appears to be limited in extent and may represent only vapor-phased contamination.

Additional information, that discusses the dimensions of the hot spot area, is presented below in Section 4.4.1.

4.3 Excavation Dewatering Pilot Test – Summary of Results

Table 3 provides the maximum drawdown in each of the six observation wells. The maximum cone of depression from pumping well SMP-MW-03 is shown on **Figure 14**. The 8 foot contour line includes the approximate depth (i.e., up to 9 to 10 feet depending on seasonal groundwater table fluctuations) needed for excavation dewatering. The 8 foot contour forms an elliptical circle approximately 5 feet long in the northwest-southeast direction and 4 feet wide in the southwest-northeast direction. The maximum sustainable yield from SMP-MW-03 was 0.14 gallons per minute (gpm) during the pilot test.

4.4 Removal Action Conceptual Remedial Approach

4.4.1 Introduction

As discussed above in Section 1.2, the Hot Spot Refinement Study was primarily performed to gather additional data to refine and expand upon the data collected during the Hot Spot Investigation for use in designing an effective hot spot removal action. The specific goals and corresponding results of the Hot Spot Refinement Study are presented below in **Table B**. The conceptual remedial approach for the targeted removal is described below in Section 4.4.2. Elements of the conceptual remedial approach were collaboratively developed by CGS and MDE-LRP.

Table B
Investigation Goals and Corresponding Results

Investigation Goal	Investigation Result
To determine the expected contaminants and concentration ranges associated with the material targeted for removal:	Total VOC concentrations ranged from less than 1 ppm to 6,482 ppm. Soil with total VOC concentration of 10 ppm or more (where contiguous) will be targeted for removal. Excavation of soil with a total VOC concentration of 10 ppm or more will result in removal of the majority of the soil with contaminant concentrations above the MDE RSCSs.
To determine the dimensions (x,y,z) of the hot spot material targeted for removal:	The volume of the soil targeted for removal occupies a near surface area of roughly 20 feet long by 12 feet wide, starts at a depth of approximately 2 feet BG, and extends to a depth of 14 feet BG.
To determine the degree to which the targeted materials reside in the saturated zone:	Depending on the height of the seasonal groundwater table, soil between the depths of 4.5 and 14 feet BG may be within the saturated zone.
To determine the expected magnitude of the dewatering effort that will be required to effect the desired removal:	The excavation must be dewatered to a depth of 14 feet BG to allow removal of the contaminated soil targeted for off-site disposal.
To determine the approximate amount of material that will have to be managed and disposed of as hazardous waste:	The dimensions of the mass of contaminated soil targeted for removal are roughly 20 feet long, by 12 feet wide, by 12 feet deep. (The top 2 feet of soil, based on the Hot Spot Investigation and Refinement Study, is assumed to be below the MDE RSCSs.) Shoring will be installed around the perimeter of the excavation area to facilitate dewatering and allow for excavation to a depth of 14 feet BG. Assuming shoring dimensions of 20 feet long by 12 feet wide, the volume of soil targeted for removal is approximately 105 cubic yards, and using a conversion factor 1.5 tons per cubic yard results in approximately 160 tons. Due to site security concerns and logistical constraints, which would be associated with soil stockpiling while waiting for the results of waste characterization analyses, none of the soil excavated for off-site disposal will be segregated, and all of the excavated soil will be disposed of at a facility(ies) capable of accepting hazardous waste. As shown on **Figure 12**, the soil targeted for removal occupies an area of 14 feet long by 10 feet wide between the depths of 10 and 14 feet BG. This narrowing of the soil mass targeted for removal might result in a lower volume that is excavated.

4.4.2 Conceptual Remedial Approach

The conceptual remedial approach will be a Removal Action consisting of dewatering and excavation of the hot spot as defined above in **Table B**. The dimensions of the hot spot excavation is meant to remove the majority of the soil with contaminant concentrations above the MDE RSCSs. However, balancing the cost versus the effectiveness of the remedial action, it is not designed to remove all of the soil with contaminant concentrations above the MDE RSCSs.

The Removal Action Conceptual Remedial Approach is comprised of the following elements:

- Install shoring around the perimeter of the excavation area to a depth which will allow for excavation to a depth of 14 feet BG.
- Dewatering of the excavation will be accomplished through the installation of two sumps in opposite corners of the excavation within the shoring system. Water from the sumps will be pumped into a frac tank.
- Excavate approximately the top 2 feet of soil from the excavation areas and stockpile this soil for use as backfill after the contaminated soil excavation is complete.
- Excavate the hot spot area with dimensions of roughly 20 feet long by 12 feet wide by 14 feet deep after the area has been dewatered. Dispose of this contaminated soil off-site at a facility(ies) capable of accepting hazardous waste.
- Collect two confirmation soil samples from the bottom of the excavation, and side wall samples if any soil remains inside the shoring, to confirm effective removal of the hot spot soil contamination.
- Backfill and compact the excavation using the stockpiled soil and barrowed fill from an off-site source and remove the shoring.
- Pump out and clean the frac tank and dispose of the water as hazardous waste.

In addition to removal of the hot spot soil contamination, MDE-LRP has elected to perform a targeted excavation to remove the contamination found in the 3-5 foot depth interval at HSI-SB-11. Confirmation soil sampling of the excavation side walls and bottom will be performed at this location. It is estimated that one load (i.e., up to 20 additional tons) of soil will be excavated from this location. This soil will be disposed of with the soil excavated from the hot spot area.

5.0 CONCLUSIONS

CGS has performed a Hot Spot Refinement Study at the Montgomery Brothers Dump site located off of Inverness Drive in North East, Maryland. The Hot Spot Refinement Study was performed was to evaluate the contaminant concentrations at three discrete locations outside of the hot spot area and to gather additional data for use in designing an effective hot spot removal action. Among other activities, the Hot Spot Refinement Study included the collection of subsurface soil samples from seven soil boings, installation of five temporary wells, and an excavation dewatering pilot test. Based on the data obtained during this investigation in conjunction with the data collected during the Hot Spot Investigation, CGS concludes the following:

- The data collected during the Hot Spot Refinement Study fulfilled the goal of providing additional data for use in designing an effective hot spot removal action.
- A Removal Action Conceptual Remedial Approach was developed that is comprised of installation of shoring and two dewatering sumps and groundwater recovery into a frac tank; excavation and stockpiling of the approximately top 2 feet of soil from the excavation area; excavation of the hot spot area with dimensions of roughly 20 feet long by 12 feet wide by 14 feet deep after the area has been dewatered and off-site disposal of the soil at a facility(ies) capable of accepting hazardous waste; confirmation soil sampling of the excavation bottom; backfilling and compaction of the excavation using the stockpiled soil and barrowed fill from an off-site source; removal of the shoring; and pumping out and cleaning the frac tank and off-site disposal of the water as hazardous waste.

- A total of eight soil samples were obtained from the soil borings advanced in the three discrete locations outside of the hot spot area. Concentrations above the MDE RSCSs were detected only in the sample obtained from a depth of 3 feet BG from HSI-SB-11. MDE-LRP has elected to perform a targeted excavation at this location to remove the contamination found in the 3-5 foot depth interval. Confirmation soil sampling of the excavation side walls and bottom will be performed at this location.

6.0 LIMITATIONS

The work performed in conjunction with this project, and the data developed, are intended as a description of available information at the sample locations indicated and the dates specified. Generally accepted industry standards were used in the preparation of this report.

Laboratory data are intended to approximate actual conditions at the time of sampling. Results from future sampling and testing may vary significantly as a result of natural conditions, a changing environment, or the limits of analytical capabilities. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a specific location not investigated. The limited sampling conducted is intended to approximate conditions by extrapolation between data points. Actual conditions may vary.

CGS has based its characterization on observable conditions and analytical results from an independent analytical laboratory that is solely responsible for the accuracy of its methods and results.

CGS is pleased to be assisting the Maryland Department of the Environment on this project. If you have any questions, please contact our office in Columbia, Maryland at (410) 740-1911 or via email. The undersigned can be reached at extension 106 or nlove@cgs.us.com or at extension 103 or khoward@cgs.us.com.

Sincerely,
Chesapeake GeoSciences, Inc.

Nancy D. Love, PG
Principal

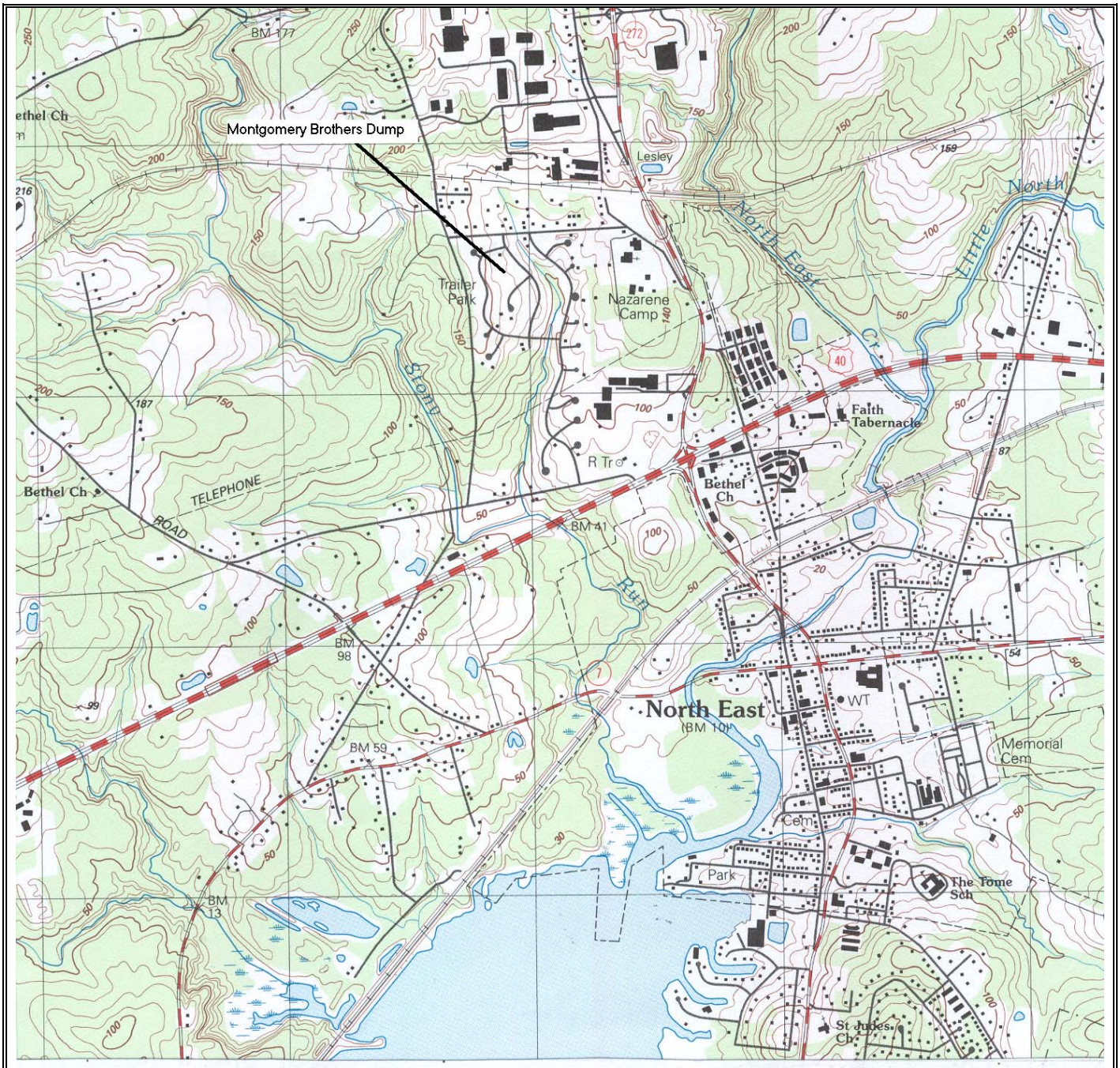
Kevin W. Howard, PG
President

cc: Project File

Attachments:

Figures
- Figure 1: Site Location Map
- Figure 2: Hot Spot Refinement Study Base Map
- Figure 3: Hot Spot Refinement Study Investigation Areas
- Figure 4: Soil Boring and Temporary Well Location Map
- Figure 5: Subsurface Soil Contaminant Distribution Map - Detected VOCs – Non-Hot Spot Area Borings
- Figure 6: Subsurface Soil Contaminant Distribution Map - Detected VOCs – Hot Spot Area Borings (Between 2 and 8 feet Below Grade)
- Figure 7: Subsurface Soil Contaminant Distribution Map - Detected VOCs – Hot Spot Area Borings (Between 8 and 14 feet Below Grade)

FIGURES



Drawn By:	Date:			
R.L.R.	**2-12-16**			
Job #:	Proj. Mang.:			
CG-09-0423	**K. Howard**	CGS Chesapeake GeoSciences, Inc.	**5405 Twin Knolls Rd., Suite 1 Columbia, MD 21045 Phone (410) 740-1911 FAX (410) 740-3299**	**Figure 1: Site Location Map**

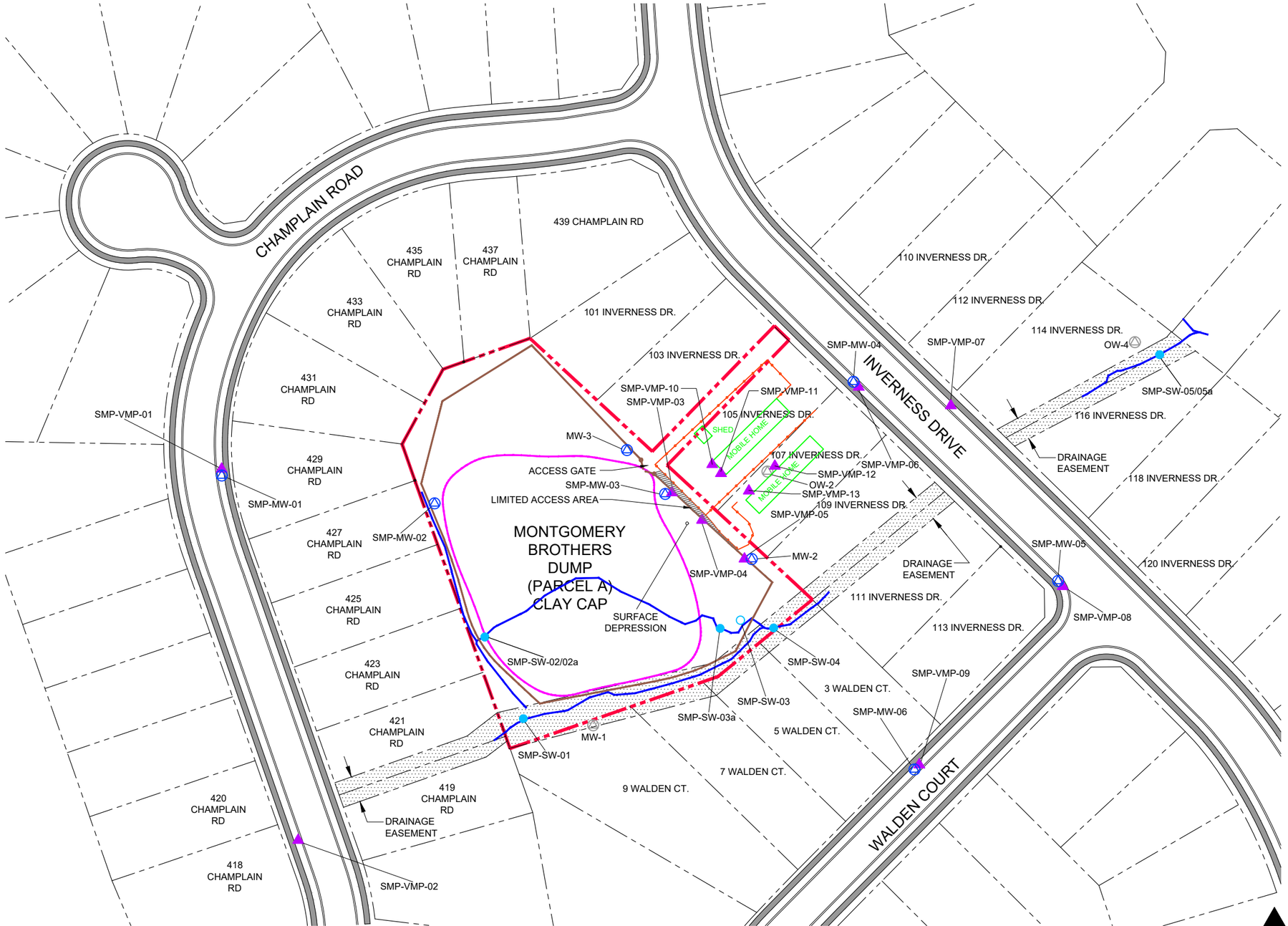


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FIGURE 2

HOT SPOT REFINEMENT STUDY BASE MAP

Montgomery Brothers Dump
Inverness Drive
North East, MD 21901

CGS Project No. CG-09-0423.14
Prepared by: M. Walsh
Date: 07-07-2021

LEGEND

- Site Property Boundary
- Other Property Boundary
- Limits of Clay Cap Installed in 2007
- Side walk
- Guard Rail
- Mapped Center Line of Stream Segment
- Groundwater Monitoring Well
- Vapor Monitoring Point
- Surface Water Monitoring Station
- Prior Surface Water Monitoring Station
- Abandoned Groundwater Monitoring Well
- Fencing Related to 105 and 107 Inverness
- Existing structure on 105 and 107 Inverness

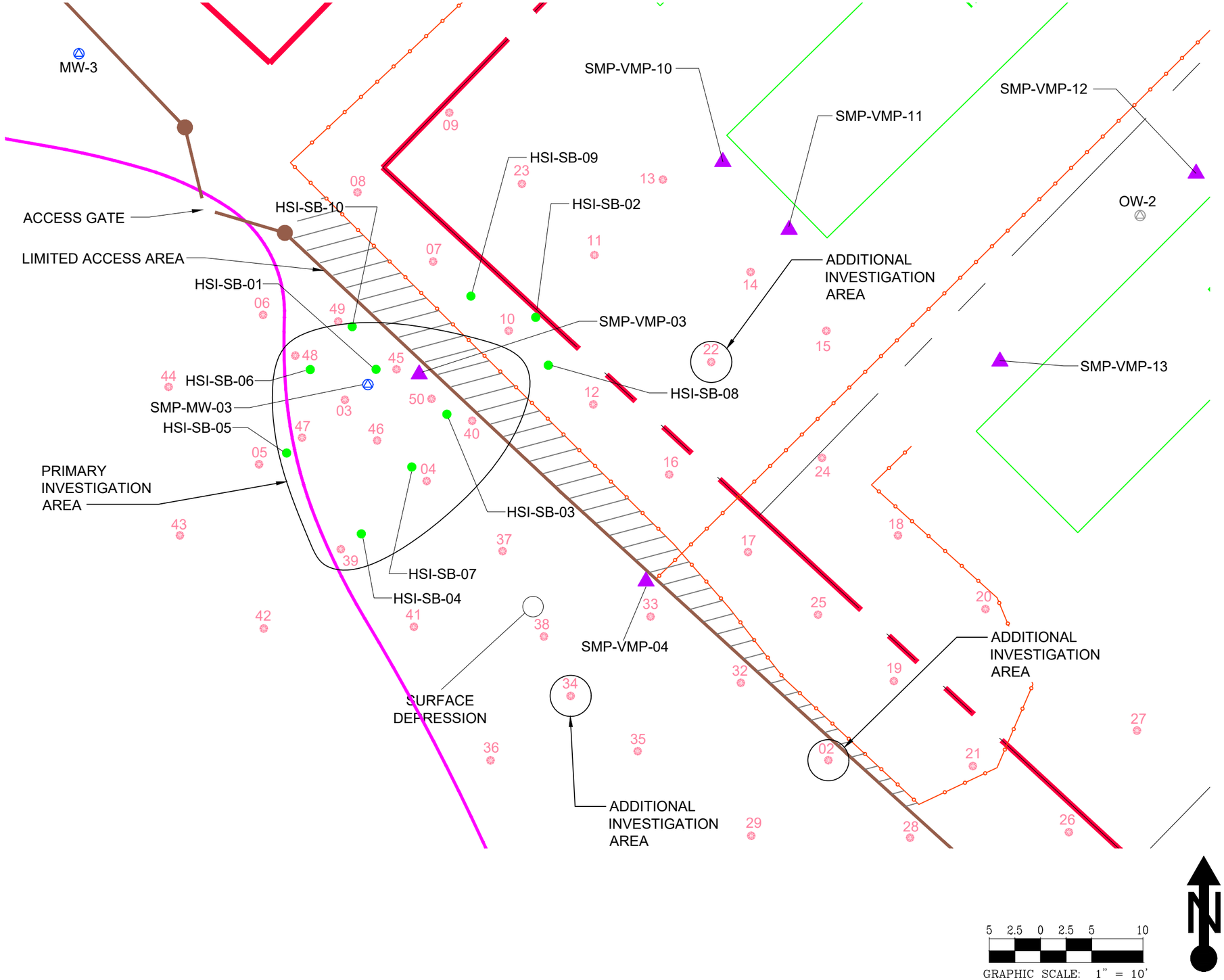

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FIGURE 3

HOT SPOT REFINEMENT STUDY INVESTIGATION AREAS

Montgomery Brothers Dump
Inverness Drive
North East, MD 21901

CGS Project No. CG-09-0423.14
Prepared by: M. Walsh
Date: 07-07-2021

LEGEND

- Site Property Boundary
- Other Property Boundary
- Limits of Clay Cap Installed in 2007
- Guard Rail
- Groundwater Monitoring Well
- Vapor Monitoring Point
- Abandoned Groundwater Monitoring Well
- 01 HRSC Boring Location (2020)
- Soil Boring Location (2020)
- Fencing Related to 105 and 107 Inverness
- Existing structure on 105 and 107 Inverness

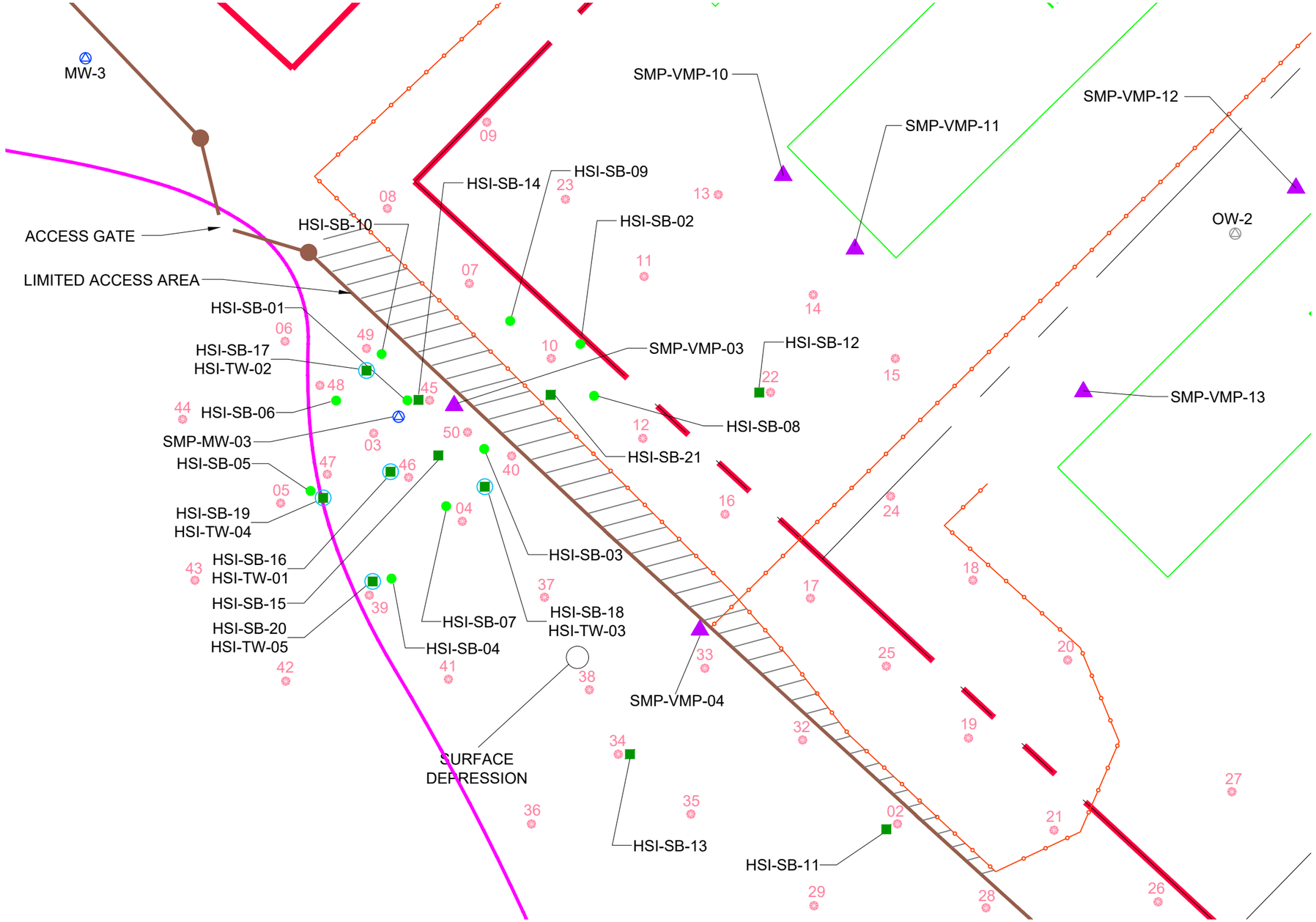

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FIGURE 4

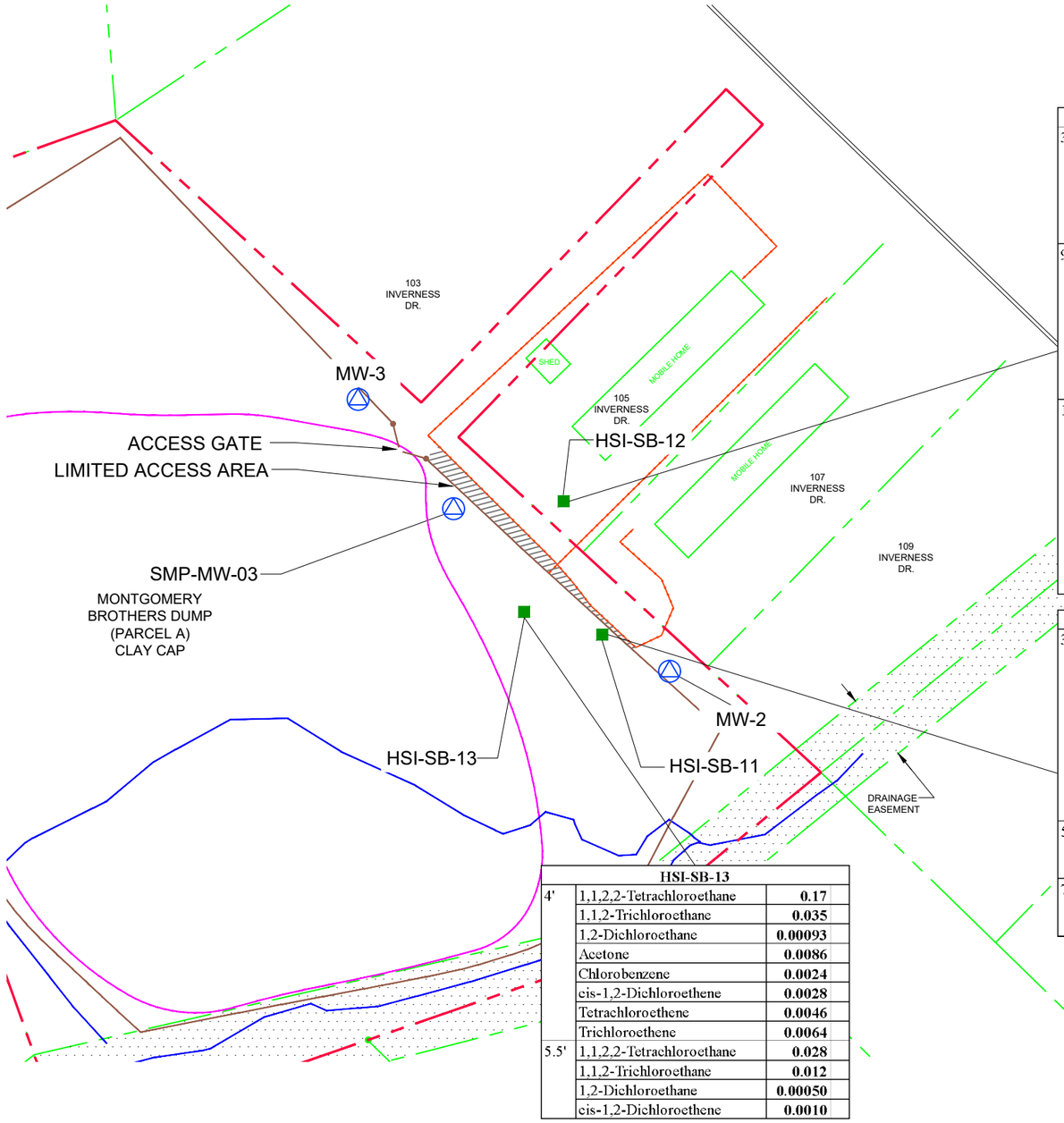
SOIL BORING AND TEMPORARY WELL LOCATION MAP

Montgomery Brothers Dump
Inverness Drive
North East, MD 21901

CGS Project No. CG-09-0423.14
Prepared by: M. Walsh
Date: 07-07-2021

LEGEND

- Site Property Boundary
- Other Property Boundary
- Limits of Clay Cap Installed in 2007
- Guard Rail
- Groundwater Monitoring Well
- Vapor Monitoring Point
- Abandoned Groundwater Monitoring Well
- HRSC Boring Location (2020)
- Soil Boring Location (2020)
- Soil Boring Location (2021)
- Temporary Well Location (2021)
- Fencing Related to 105 and 107 Inverness
- Existing structure on 105 and 107 Inverness



HSI-SB-12		
3.5'	Chlorobenzene	2.9
	Ethylbenzene	0.16
	m&p-Xylenes	0.41
	o-Xylene	0.10
	Toluene	0.29
	Xylenes (Total)	0.51
9'	Benzene	0.040
	Chlorobenzene	2.7
	Ethylbenzene	0.24
	Isopropylbenzene	0.051
	m&p-Xylenes	0.69
	o-Xylene	0.21
	Toluene	0.078
	Xylenes (Total)	0.90
11.5'	1,1-Dichloroethane	0.0013
	Acetone	0.021
	Benzene	0.021
	Chlorobenzene	0.55
	cis-1,2-Dichloroethene	0.0030
	Ethylbenzene	0.0036
	Isopropylbenzene	0.0017
	Methylene chloride	0.0037
	Methyl-t-butyl ether	0.0012
	Vinyl chloride	0.0075

HSI-SB-11		
3'	1,1,2,2-Tetrachloroethane	0.85
	1,1,2-Trichloroethane	0.22
	4-Methyl-2-pentanone	0.090
	Chlorobenzene	0.19
	m&p-Xylenes	0.10
	Methyl Acetate	0.48
	Tetrachloroethene	0.18
	Toluene	0.17
	Trichloroethene	0.11
	Xylenes (Total)	0.10
5.75'	1,1,2,2-Tetrachloroethane	0.0041
	1,1,2-Trichloroethane	0.0014
	Chlorobenzene	0.00085
7.75'	1,1,2,2-Tetrachloroethane	0.0033
	1,1,2-Trichloroethane	0.0012
	Chlorobenzene	0.0068

HSI-SB-13		
4'	1,1,2,2-Tetrachloroethane	0.17
	1,1,2-Trichloroethane	0.035
	1,2-Dichloroethane	0.00093
	Acetone	0.0086
	Chlorobenzene	0.0024
	cis-1,2-Dichloroethene	0.0028
	Tetrachloroethene	0.0046
	Trichloroethene	0.0064
5.5'	1,1,2,2-Tetrachloroethane	0.028
	1,1,2-Trichloroethane	0.012
	1,2-Dichloroethane	0.00050
	cis-1,2-Dichloroethene	0.0010

Data Legend

2.9 Detected Analyte Concentration (ppm)

(dup) Duplicate sample collected. Higher concentration reported herein.

Sampling Dates: May 11 - 13, 2021

0.85 Detected analyte concentration exceeds the respective MDE Residential Soil Clean-up Standard.

20 10 0 10 20 40

GRAPHIC SCALE: 1" = 40'

N

LEGEND

- Site Property Boundary
- Other Property Boundary
- Limits of Clay Cap Installed in 2007
- Guard Rail
- Mapped Center Line of Stream Segment
- Groundwater Monitoring Well
- Soil Boring Location (2021)
- Fencing Related to 105 and 107 Inverness
- Existing structure on 105 and 107 Inverness
- Limited Access Area

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FIGURE 5

SUBSURFACE SOIL CONTAMINANT DISTRIBUTION MAP - DETECTED VOCs - NON-HOT SPOT AREA BORINGS

Montgomery Brothers Dump
Inverness Drive
North East, MD 21901

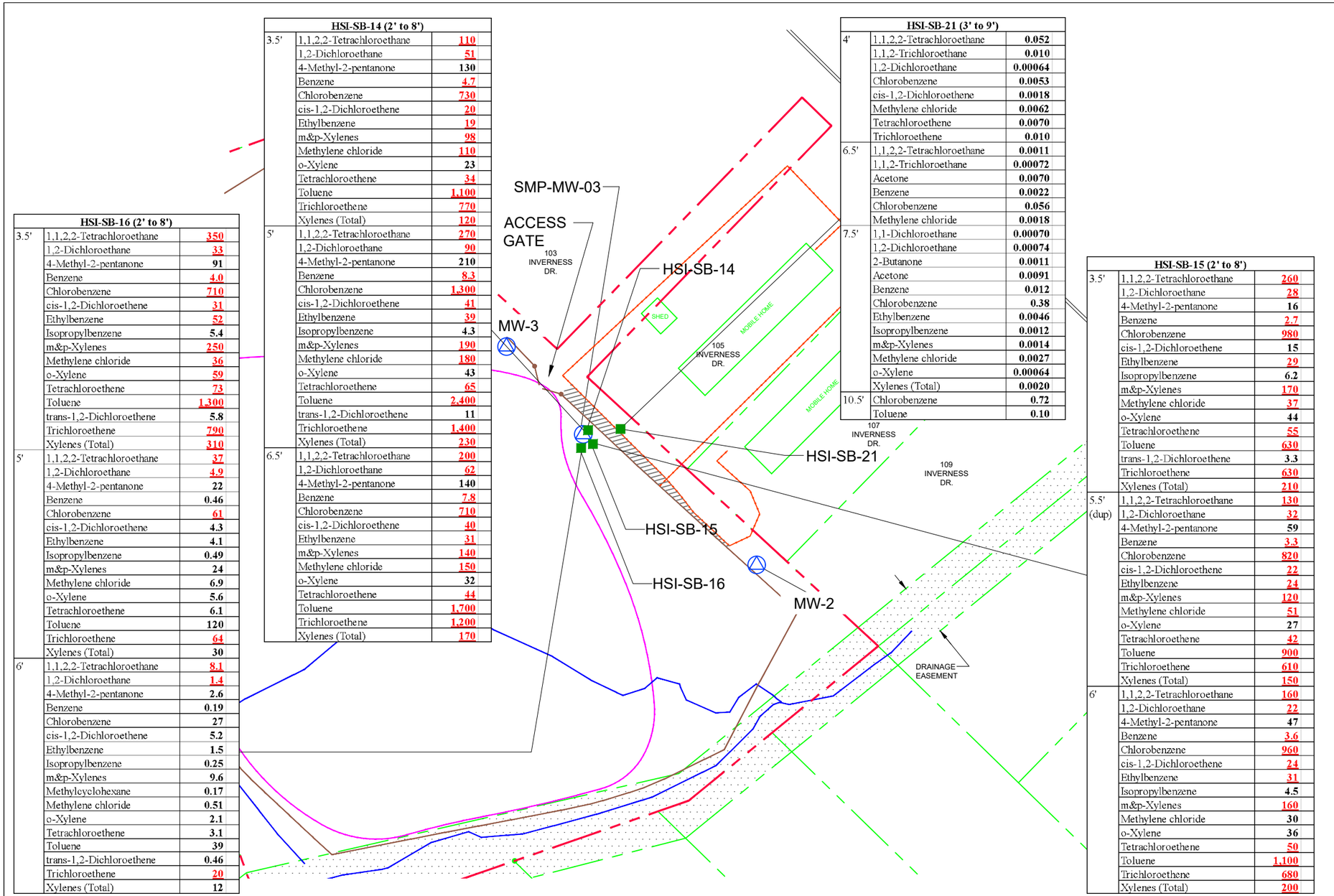
CGS Project No. CG-09-0423.14
Prepared by: M. Walsh
Date: 07-07-2021

HSI-SB-16 (2' to 8')		
3.5'	1,1,2,2-Tetrachloroethane	350
	1,2-Dichloroethane	33
	4-Methyl-2-pentanone	91
	Benzene	4.0
	Chlorobenzene	710
	cis-1,2-Dichloroethene	31
	Ethylbenzene	52
	Isopropylbenzene	5.4
	m&p-Xylenes	250
	Methylene chloride	36
	o-Xylene	59
	Tetrachloroethene	73
	Toluene	1,300
	trans-1,2-Dichloroethene	5.8
	Trichloroethene	790
	Xylenes (Total)	310
5'	1,1,2,2-Tetrachloroethane	37
	1,2-Dichloroethane	4.9
	4-Methyl-2-pentanone	22
	Benzene	0.46
	Chlorobenzene	61
	cis-1,2-Dichloroethene	4.3
	Ethylbenzene	4.1
	Isopropylbenzene	0.49
	m&p-Xylenes	24
	Methylene chloride	6.9
	o-Xylene	5.6
	Tetrachloroethene	6.1
	Toluene	120
	Trichloroethene	64
	Xylenes (Total)	30
6'	1,1,2,2-Tetrachloroethane	8.1
	1,2-Dichloroethane	1.4
	4-Methyl-2-pentanone	2.6
	Benzene	0.19
	Chlorobenzene	27
	cis-1,2-Dichloroethene	5.2
	Ethylbenzene	1.5
	Isopropylbenzene	0.25
	m&p-Xylenes	9.6
	Methylcyclohexane	0.17
	Methylene chloride	0.51
	o-Xylene	2.1
	Tetrachloroethene	3.1
	Toluene	39
	trans-1,2-Dichloroethene	0.46
	Trichloroethene	20
	Xylenes (Total)	12

HSI-SB-14 (2' to 8')		
3.5'	1,1,2,2-Tetrachloroethane	110
	1,2-Dichloroethane	51
	4-Methyl-2-pentanone	130
	Benzene	4.7
	Chlorobenzene	730
	cis-1,2-Dichloroethene	20
	Ethylbenzene	19
	m&p-Xylenes	98
	Methylene chloride	110
	o-Xylene	23
	Tetrachloroethene	34
	Toluene	1,100
	Trichloroethene	770
	Xylenes (Total)	120
5'	1,1,2,2-Tetrachloroethane	270
	1,2-Dichloroethane	90
	4-Methyl-2-pentanone	210
	Benzene	8.3
	Chlorobenzene	1,300
	cis-1,2-Dichloroethene	41
	Ethylbenzene	39
	Isopropylbenzene	4.3
	m&p-Xylenes	190
	Methylene chloride	180
	o-Xylene	43
	Tetrachloroethene	65
	Toluene	2,400
	trans-1,2-Dichloroethene	11
	Trichloroethene	1,400
	Xylenes (Total)	230
6.5'	1,1,2,2-Tetrachloroethane	200
	1,2-Dichloroethane	62
	4-Methyl-2-pentanone	140
	Benzene	7.8
	Chlorobenzene	710
	cis-1,2-Dichloroethene	40
	Ethylbenzene	31
	m&p-Xylenes	140
	Methylene chloride	150
	o-Xylene	32
	Tetrachloroethene	44
	Toluene	1,700
	Trichloroethene	1,200
	Xylenes (Total)	170

HSI-SB-21 (3' to 9')		
4'	1,1,2,2-Tetrachloroethane	0.052
	1,1,2-Trichloroethane	0.010
	1,2-Dichloroethane	0.00064
	Chlorobenzene	0.0053
	cis-1,2-Dichloroethene	0.0018
	Methylene chloride	0.0062
	Tetrachloroethene	0.0070
	Trichloroethene	0.010
6.5'	1,1,2,2-Tetrachloroethane	0.0011
	1,1,2-Trichloroethane	0.00072
	Acetone	0.0070
	Benzene	0.0022
	Chlorobenzene	0.056
	Methylene chloride	0.0018
7.5'	1,1-Dichloroethane	0.00070
	1,2-Dichloroethane	0.00074
	2-Butanone	0.0011
	Acetone	0.0091
	Benzene	0.012
	Chlorobenzene	0.38
	Ethylbenzene	0.0046
	Isopropylbenzene	0.0012
	m&p-Xylenes	0.0014
	Methylene chloride	0.0027
	o-Xylene	0.00064
	Xylenes (Total)	0.0020
10.5'	Chlorobenzene	0.72
	Toluene	0.10

HSI-SB-15 (2' to 8')		
3.5'	1,1,2,2-Tetrachloroethane	260
	1,2-Dichloroethane	28
	4-Methyl-2-pentanone	16
	Benzene	2.7
	Chlorobenzene	980
	cis-1,2-Dichloroethene	15
	Ethylbenzene	29
	Isopropylbenzene	6.2
	m&p-Xylenes	170
	Methylene chloride	37
	o-Xylene	44
	Tetrachloroethene	55
	Toluene	630
	trans-1,2-Dichloroethene	3.3
	Trichloroethene	630
	Xylenes (Total)	210
5.5' (dup)	1,1,2,2-Tetrachloroethane	130
	1,2-Dichloroethane	32
	4-Methyl-2-pentanone	59
	Benzene	3.3
	Chlorobenzene	820
	cis-1,2-Dichloroethene	22
	Ethylbenzene	24
	m&p-Xylenes	120
	Methylene chloride	51
	o-Xylene	27
	Tetrachloroethene	42
	Toluene	900
	Trichloroethene	610
	Xylenes (Total)	150
6'	1,1,2,2-Tetrachloroethane	160
	1,2-Dichloroethane	22
	4-Methyl-2-pentanone	47
	Benzene	3.6
	Chlorobenzene	960
	cis-1,2-Dichloroethene	24
	Ethylbenzene	31
	Isopropylbenzene	4.5
	m&p-Xylenes	160
	Methylene chloride	30
	o-Xylene	36
	Tetrachloroethene	50
	Toluene	1,100
	Trichloroethene	680
	Xylenes (Total)	200



Data Legend

210 Detected Analyte Concentration (ppm)

(dup) Duplicate sample collected. Higher concentration reported herein.

Sampling Dates: May 11 - 13, 2021

2,400 Detected analyte concentration exceeds the respective MDE Residential Soil Clean-up Standard.

20 10 0 10 20 40

GRAPHIC SCALE: 1" = 40'

N

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FIGURE 6

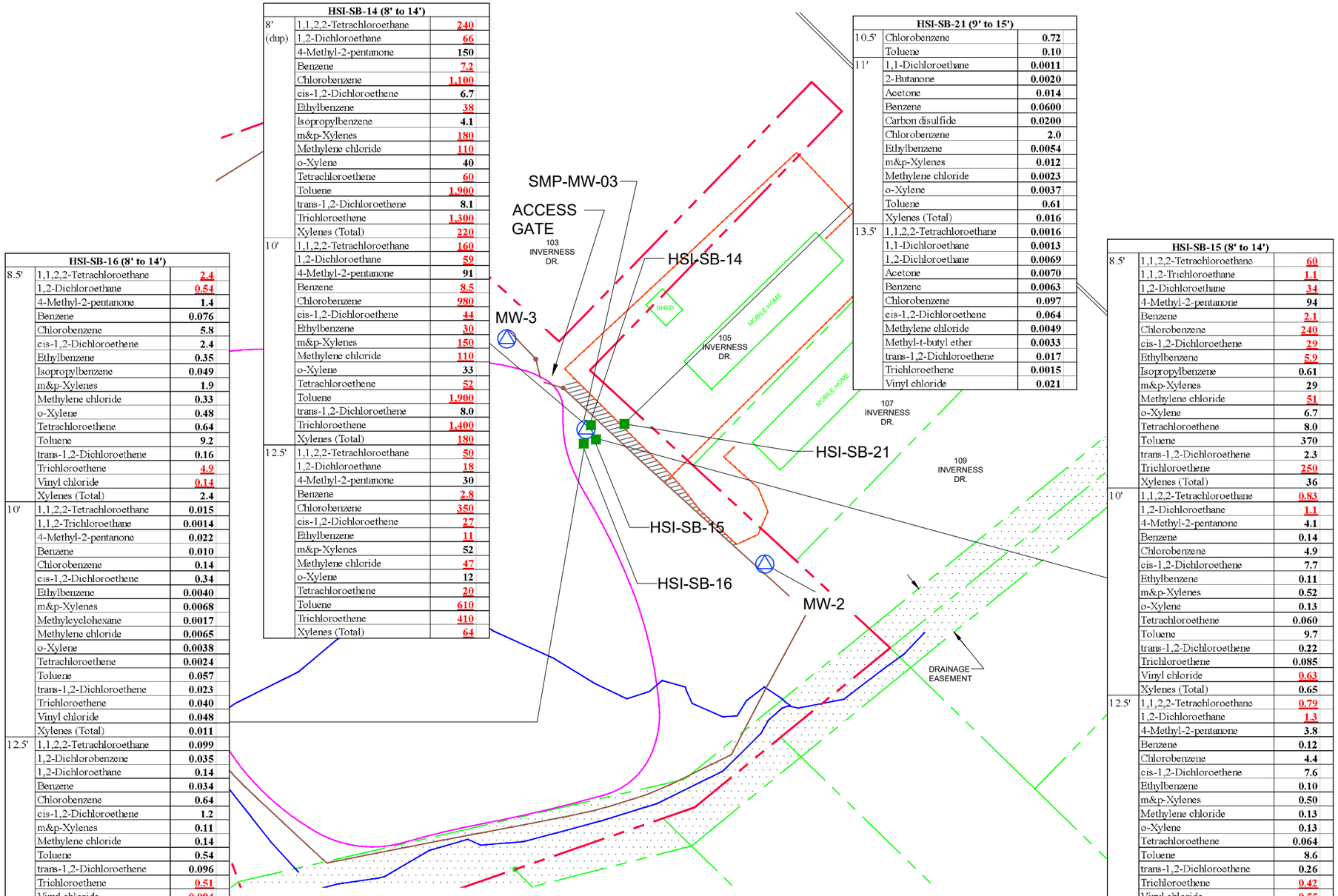
SUBSURFACE SOIL CONTAMINANT DISTRIBUTION MAP - DETECTED VOCs - HOT SPOT AREA BORINGS (BETWEEN 2 AND 8 FEET BELOW GRADE)

Montgomery Brothers Dump
Inverness Drive
North East, MD 21901

CGS Project No. CG-09-0423.14
Prepared by: M. Walsh
Date: 07-07-2021

LEGEND

- Site Property Boundary
- Other Property Boundary
- Limits of Clay Cap Installed in 2007
- Guard Rail
- Mapped Center Line of Stream Segment
- Groundwater Monitoring Well
- Soil Boring Location (2021)
- Fencing Related to 105 and 107 Inverness
- Existing structure on 105 and 107 Inverness
- Limited Access Area



HSI-SB-16 (8' to 14')		
8.5'	1,1,2,2-Tetrachloroethane	2.4
	1,2-Dichloroethane	0.54
	4-Methyl-2-pentanone	1.4
	Benzene	0.076
	Chlorobenzene	5.8
	cis-1,2-Dichloroethene	2.4
	Ethylbenzene	0.35
	Isopropylbenzene	0.049
	m&p-Xylenes	1.9
	Methylene chloride	0.33
	o-Xylene	0.48
	Tetrachloroethene	0.64
	Toluene	9.2
	trans-1,2-Dichloroethene	0.16
	Trichloroethene	4.9
	Vinyl chloride	0.14
	Xylenes (Total)	2.4
10'	1,1,2,2-Tetrachloroethane	0.015
	1,1,2-Trichloroethane	0.0014
	4-Methyl-2-pentanone	0.022
	Benzene	0.010
	Chlorobenzene	0.14
	cis-1,2-Dichloroethene	0.34
	Ethylbenzene	0.0040
	m&p-Xylenes	0.0068
	Methylcyclohexane	0.0017
	Methylene chloride	0.0065
	o-Xylene	0.0038
	Tetrachloroethene	0.0024
	Toluene	0.057
	trans-1,2-Dichloroethene	0.023
	Trichloroethene	0.040
	Vinyl chloride	0.048
	Xylenes (Total)	0.011
12.5'	1,1,2,2-Tetrachloroethane	0.099
	1,2-Dichlorobenzene	0.035
	1,2-Dichloroethane	0.14
	Benzene	0.034
	Chlorobenzene	0.64
	cis-1,2-Dichloroethene	1.2
	m&p-Xylenes	0.11
	Methylene chloride	0.14
	Toluene	0.54
	trans-1,2-Dichloroethene	0.096
	Trichloroethene	0.51
	Vinyl chloride	0.094
	Xylenes (Total)	0.11

HSI-SB-14 (8' to 14')		
8' (dup)	1,1,2,2-Tetrachloroethane	240
	1,2-Dichloroethane	66
	4-Methyl-2-pentanone	150
	Benzene	7.2
	Chlorobenzene	1,100
	cis-1,2-Dichloroethene	6.7
	Ethylbenzene	38
	Isopropylbenzene	4.1
	m&p-Xylenes	180
	Methylene chloride	110
	o-Xylene	40
	Tetrachloroethene	60
	Toluene	1,900
	trans-1,2-Dichloroethene	8.1
	Trichloroethene	1,300
	Xylenes (Total)	220
10'	1,1,2,2-Tetrachloroethane	160
	1,2-Dichloroethane	59
	4-Methyl-2-pentanone	91
	Benzene	8.5
	Chlorobenzene	980
	cis-1,2-Dichloroethene	44
	Ethylbenzene	30
	m&p-Xylenes	150
	Methylene chloride	110
	o-Xylene	33
	Tetrachloroethene	52
	Toluene	1,900
	trans-1,2-Dichloroethene	8.0
	Trichloroethene	1,400
	Xylenes (Total)	180
12.5'	1,1,2,2-Tetrachloroethane	50
	1,2-Dichloroethane	18
	4-Methyl-2-pentanone	30
	Benzene	2.8
	Chlorobenzene	350
	cis-1,2-Dichloroethene	27
	Ethylbenzene	11
	m&p-Xylenes	52
	Methylene chloride	47
	o-Xylene	12
	Tetrachloroethene	20
	Toluene	610
	Trichloroethene	410
	Xylenes (Total)	64

HSI-SB-21 (9' to 15')		
10.5'	Chlorobenzene	0.72
	Toluene	0.10
11'	1,1-Dichloroethane	0.0011
	2-Butanone	0.0020
	Acetone	0.014
	Benzene	0.0600
	Carbon disulfide	0.0200
	Chlorobenzene	2.0
	Ethylbenzene	0.0054
	m&p-Xylenes	0.012
	Methylene chloride	0.0023
	o-Xylene	0.0037
	Toluene	0.61
	Xylenes (Total)	0.016
13.5'	1,1,2,2-Tetrachloroethane	0.0016
	1,1-Dichloroethane	0.0013
	1,2-Dichloroethane	0.0069
	Acetone	0.0070
	Benzene	0.0063
	Chlorobenzene	0.097
	cis-1,2-Dichloroethene	0.064
	Methylene chloride	0.0049
	Methyl-t-butyl ether	0.0033
	trans-1,2-Dichloroethene	0.017
	Trichloroethene	0.0015
	Vinyl chloride	0.021

HSI-SB-15 (8' to 14')		
8.5'	1,1,2,2-Tetrachloroethane	60
	1,1,2-Trichloroethane	1.1
	1,2-Dichloroethane	34
	4-Methyl-2-pentanone	94
	Benzene	2.1
	Chlorobenzene	240
	cis-1,2-Dichloroethene	29
	Ethylbenzene	5.9
	Isopropylbenzene	0.61
	m&p-Xylenes	29
	Methylene chloride	51
	o-Xylene	6.7
	Tetrachloroethene	8.0
	Toluene	370
	trans-1,2-Dichloroethene	2.3
	Trichloroethene	250
	Xylenes (Total)	36
10'	1,1,2,2-Tetrachloroethane	0.83
	1,2-Dichloroethane	1.1
	4-Methyl-2-pentanone	4.1
	Benzene	0.14
	Chlorobenzene	4.9
	cis-1,2-Dichloroethene	7.7
	Ethylbenzene	0.11
	m&p-Xylenes	0.52
	o-Xylene	0.13
	Tetrachloroethene	0.060
	Toluene	9.7
	trans-1,2-Dichloroethene	0.22
	Trichloroethene	0.085
	Vinyl chloride	0.63
	Xylenes (Total)	0.65
12.5'	1,1,2,2-Tetrachloroethane	0.79
	1,2-Dichloroethane	1.3
	4-Methyl-2-pentanone	3.8
	Benzene	0.12
	Chlorobenzene	4.4
	cis-1,2-Dichloroethene	7.6
	Ethylbenzene	0.10
	m&p-Xylenes	0.50
	Methylene chloride	0.13
	o-Xylene	0.13
	Tetrachloroethene	0.064
	Toluene	8.6
	trans-1,2-Dichloroethene	0.26
	Trichloroethene	0.42
	Vinyl chloride	0.55
	Xylenes (Total)	0.63

Data Legend

150 Detected Analyte Concentration (ppm)

(dup) Duplicate sample collected. Higher concentration reported herein.

Sampling Dates: May 11 - 13, 2021

1,900 Detected analyte concentration exceeds the respective MDE Residential Soil Clean-up Standard.

20 10 0 10 20 40

GRAPHIC SCALE: 1" = 40'

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FIGURE 7

SUBSURFACE SOIL CONTAMINANT DISTRIBUTION MAP - DETECTED VOCs - HOT SPOT AREA BORINGS (BETWEEN 8 AND 14 FEET BELOW GRADE)

Montgomery Brothers Dump
Inverness Drive
North East, MD 21901

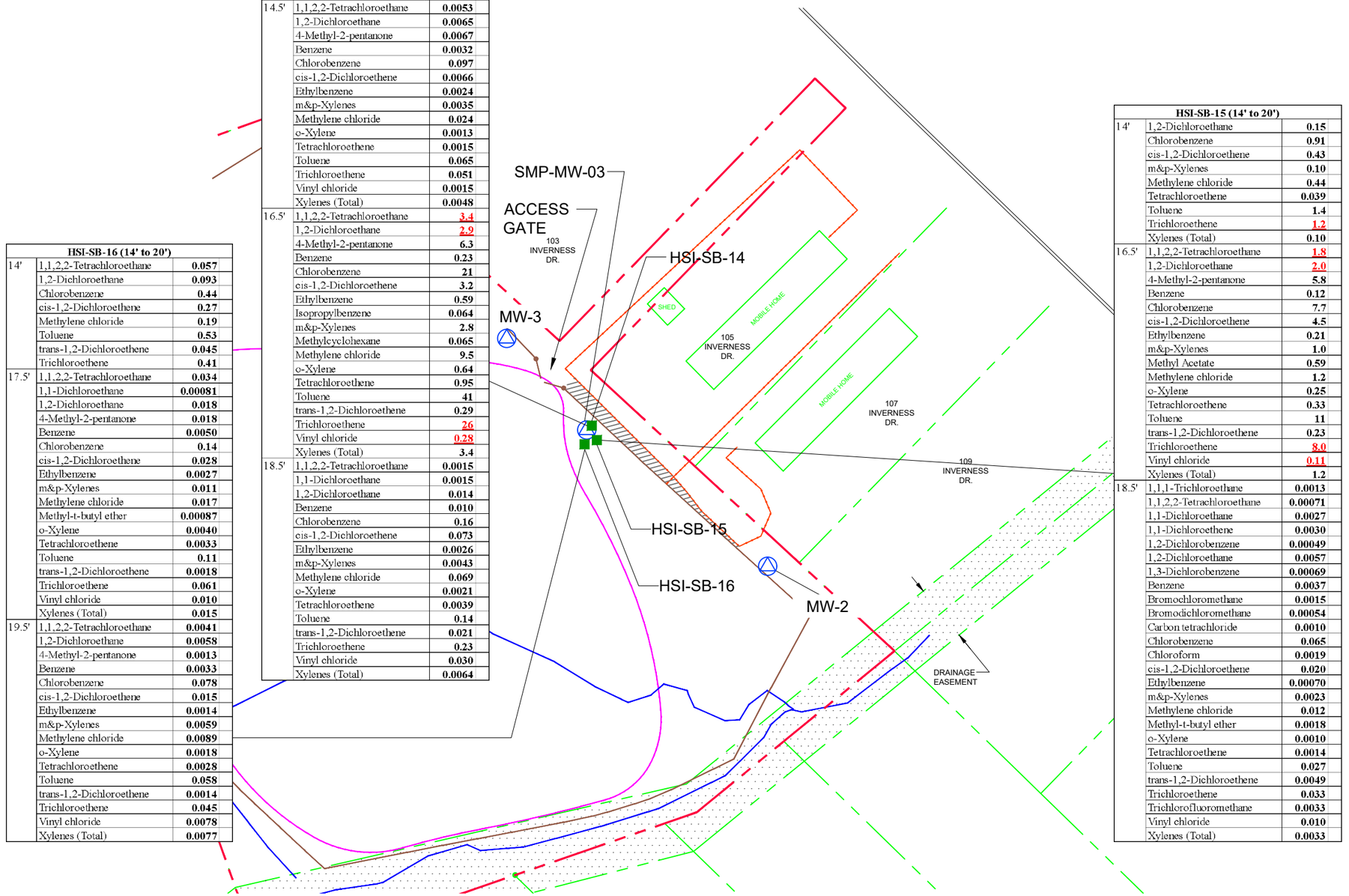
CGS Project No. CG-09-0423.14
Prepared by: M. Walsh
Date: 07-07-2021

LEGEND

- Site Property Boundary
- Other Property Boundary
- Limits of Clay Cap Installed in 2007
- Guard Rail
- Mapped Center Line of Stream Segment
- Groundwater Monitoring Well
- Soil Boring Location (2021)
- Fencing Related to 105 and 107 Inverness
- Existing structure on 105 and 107 Inverness
- Limited Access Area

HSI-SB-16 (14' to 20')		
14'	1,1,2,2-Tetrachloroethane	0.057
	1,2-Dichloroethane	0.093
	Chlorobenzene	0.44
	cis-1,2-Dichloroethene	0.27
	Methylene chloride	0.19
	Toluene	0.53
	trans-1,2-Dichloroethene	0.045
	Trichloroethene	0.41
17.5'	1,1,2,2-Tetrachloroethane	0.034
	1,1-Dichloroethane	0.00081
	1,2-Dichloroethane	0.018
	4-Methyl-2-pentanone	0.018
	Benzene	0.0050
	Chlorobenzene	0.14
	cis-1,2-Dichloroethene	0.028
	Ethylbenzene	0.0027
	m&p-Xylenes	0.011
	Methylene chloride	0.017
	Methyl-t-butyl ether	0.00087
	o-Xylene	0.0040
	Tetrachloroethene	0.0033
	Toluene	0.11
	trans-1,2-Dichloroethene	0.0018
	Trichloroethene	0.061
	Vinyl chloride	0.010
	Xylenes (Total)	0.015
19.5'	1,1,2,2-Tetrachloroethane	0.0041
	1,2-Dichloroethane	0.0058
	4-Methyl-2-pentanone	0.0013
	Benzene	0.0033
	Chlorobenzene	0.078
	cis-1,2-Dichloroethene	0.015
	Ethylbenzene	0.0014
	m&p-Xylenes	0.0059
	Methylene chloride	0.0089
	o-Xylene	0.0018
	Tetrachloroethene	0.0028
	Toluene	0.058
	trans-1,2-Dichloroethene	0.0014
	Trichloroethene	0.045
	Vinyl chloride	0.0078
	Xylenes (Total)	0.0077

HSI-SB-14 (14' to 20')		
14.5'	1,1,2,2-Tetrachloroethane	0.0053
	1,2-Dichloroethane	0.0065
	4-Methyl-2-pentanone	0.0067
	Benzene	0.0032
	Chlorobenzene	0.097
	cis-1,2-Dichloroethene	0.0066
	Ethylbenzene	0.0024
	m&p-Xylenes	0.0035
	Methylene chloride	0.024
	o-Xylene	0.0013
	Tetrachloroethene	0.0015
	Toluene	0.065
	Trichloroethene	0.051
	Vinyl chloride	0.0015
	Xylenes (Total)	0.0048
16.5'	1,1,2,2-Tetrachloroethane	3.4
	1,2-Dichloroethane	2.9
	4-Methyl-2-pentanone	6.3
	Benzene	0.23
	Chlorobenzene	21
	cis-1,2-Dichloroethene	3.2
	Ethylbenzene	0.59
	Isopropylbenzene	0.064
	m&p-Xylenes	2.8
	Methylcyclohexane	0.065
	Methylene chloride	9.5
	o-Xylene	0.64
	Tetrachloroethene	0.95
	Toluene	41
	trans-1,2-Dichloroethene	0.29
	Trichloroethene	26
	Vinyl chloride	0.28
	Xylenes (Total)	3.4
18.5'	1,1,2,2-Tetrachloroethane	0.0015
	1,1-Dichloroethane	0.0015
	1,2-Dichloroethane	0.014
	Benzene	0.010
	Chlorobenzene	0.16
	cis-1,2-Dichloroethene	0.073
	Ethylbenzene	0.0026
	m&p-Xylenes	0.0043
	Methylene chloride	0.069
	o-Xylene	0.0021
	Tetrachloroethene	0.0039
	Toluene	0.14
	trans-1,2-Dichloroethene	0.021
	Trichloroethene	0.23
	Vinyl chloride	0.030
	Xylenes (Total)	0.0064



HSI-SB-15 (14' to 20')		
14'	1,2-Dichloroethane	0.15
	Chlorobenzene	0.91
	cis-1,2-Dichloroethene	0.43
	m&p-Xylenes	0.10
	Methylene chloride	0.44
	Tetrachloroethene	0.039
	Toluene	1.4
	Trichloroethene	1.2
	Xylenes (Total)	0.10
16.5'	1,1,2,2-Tetrachloroethane	1.8
	1,2-Dichloroethane	2.0
	4-Methyl-2-pentanone	5.8
	Benzene	0.12
	Chlorobenzene	7.7
	cis-1,2-Dichloroethene	4.5
	Ethylbenzene	0.21
	m&p-Xylenes	1.0
	Methyl Acetate	0.59
	Methylene chloride	1.2
	o-Xylene	0.25
	Tetrachloroethene	0.33
	Toluene	11
	trans-1,2-Dichloroethene	0.23
	Trichloroethene	8.0
	Vinyl chloride	0.11
	Xylenes (Total)	1.2
18.5'	1,1,1-Trichloroethane	0.0013
	1,1,2,2-Tetrachloroethane	0.00071
	1,1-Dichloroethane	0.0027
	1,1-Dichloroethene	0.0030
	1,2-Dichlorobenzene	0.00049
	1,2-Dichloroethane	0.0057
	1,3-Dichlorobenzene	0.00069
	Benzene	0.0037
	Bromochloromethane	0.0015
	Bromodichloromethane	0.00054
	Carbon tetrachloride	0.0010
	Chlorobenzene	0.065
	Chloroform	0.0019
	cis-1,2-Dichloroethene	0.020
	Ethylbenzene	0.00070
	m&p-Xylenes	0.0023
	Methylene chloride	0.012
	Methyl-t-butyl ether	0.0018
	o-Xylene	0.0010
	Tetrachloroethene	0.0014
	Toluene	0.027
	trans-1,2-Dichloroethene	0.0049
	Trichloroethene	0.033
	Trichlorofluoromethane	0.0033
	Vinyl chloride	0.010
	Xylenes (Total)	0.0033

Data Legend

41 Detected Analyte Concentration (ppm)

(dup) Duplicate sample collected. Higher concentration reported herein.

Sampling Dates: May 11 - 13, 2021

26 Detected analyte concentration exceeds the respective MDE Residential Soil Clean-up Standard.

20 10 0 10 20 40

GRAPHIC SCALE: 1" = 40'

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FIGURE 8

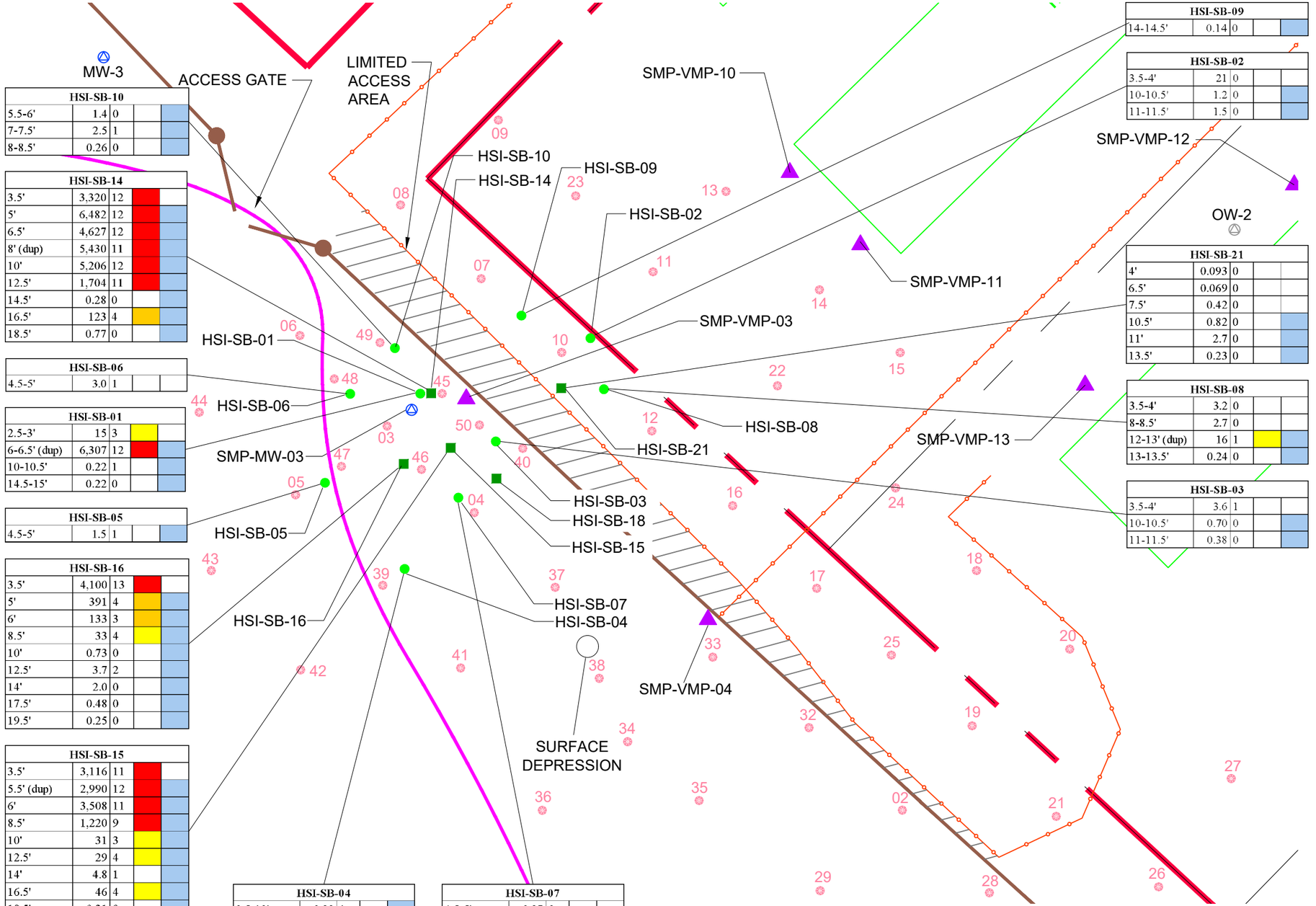
SUBSURFACE SOIL CONTAMINANT DISTRIBUTION MAP - DETECTED VOCs - HOT SPOT AREA BORINGS (BETWEEN 14 AND 20 FEET BELOW GRADE)

Montgomery Brothers Dump
Inverness Drive
North East, MD 21901

CGS Project No. CG-09-0423.14
Prepared by: M. Walsh
Date: 07-07-2021

LEGEND

- Site Property Boundary
- Other Property Boundary
- Limits of Clay Cap Installed in 2007
- Guard Rail
- Mapped Center Line of Stream Segment
- Groundwater Monitoring Well
- Soil Boring Location (2021)
- Fencing Related to 105 and 107 Inverness
- Existing structure on 105 and 107 Inverness
- Limited Access Area



DATA LEGEND

Boring Identification				
Sample Depth	Total VOC Concentration (ppm)	Number of analytes that exceed the respective MDE Residential Soil Clean-up Standard.	Color Code for samples where the total VOC concentration exceeds 10 ppm and where at least 1 analyte exceeds the respective MDE Residential Soil Clean-up Standard.	Blue color code indicates that the sample was/was likely collected below the seasonal high groundwater table.

Total VOC Concentration is between 10 and 100 ppm
Total VOC Concentration is between 100 and 1,000 ppm
Total VOC Concentration is above 1,000 ppm

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FIGURE 9

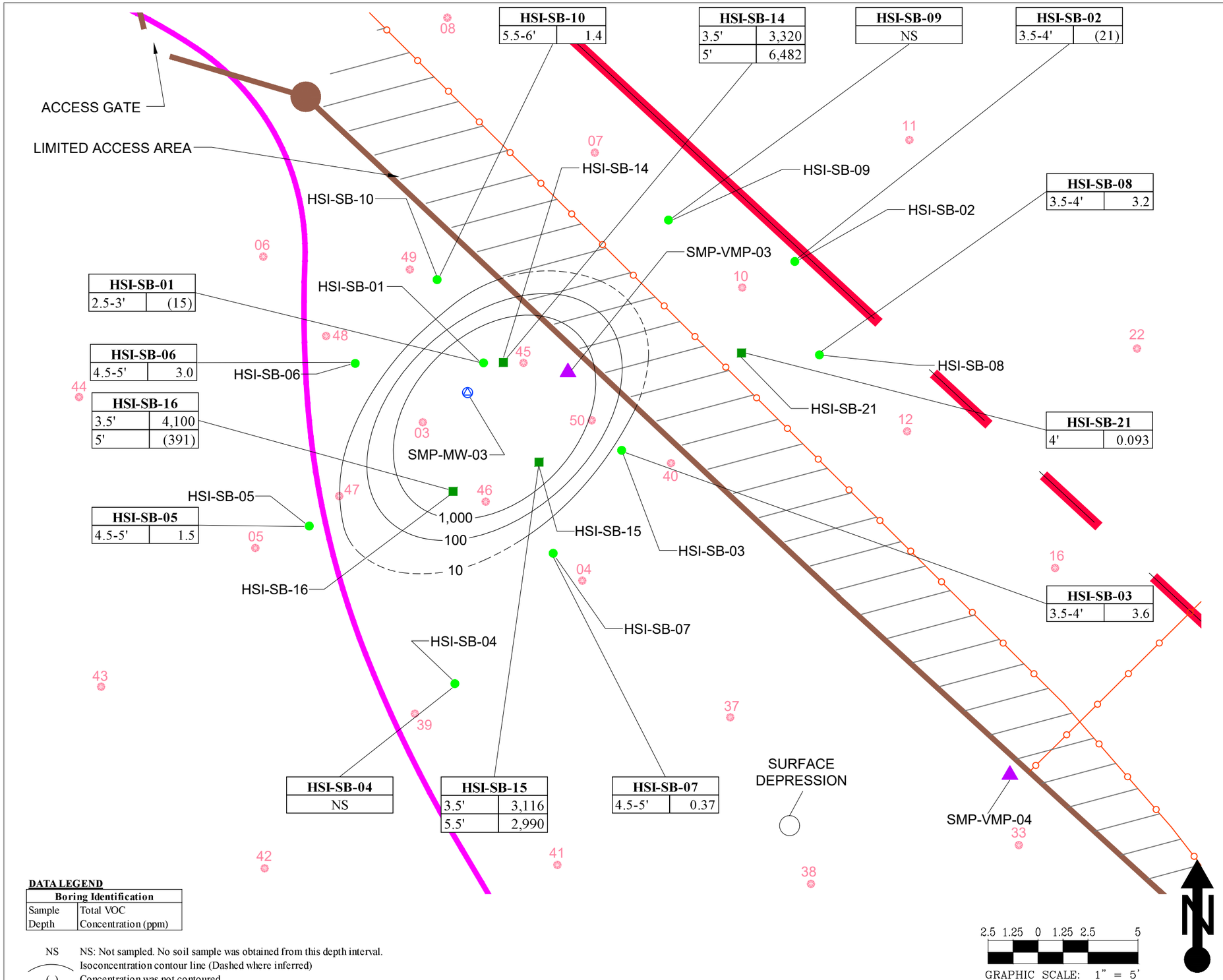
SUBSURFACE SOIL CONTAMINANT DISTRIBUTION MAP - TOTAL VOCS - HOT SPOT AREA BORINGS

Montgomery Brothers Dump
Inverness Drive
North East, MD 21901

CGS Project No. CG-09-0423.14
Prepared by: M. Walsh
Date: 07-07-2021

LEGEND

- Site Property Boundary
- Other Property Boundary
- Limits of Clay Cap Installed in 2007
- Guard Rail
- Groundwater Monitoring Well
- Vapor Monitoring Point
- Abandoned Groundwater Monitoring Well
- HRSC Boring Location (2020)
- Soil Boring Location (2020)
- Soil Boring Location (2021)
- Fencing Related to 105 and 107 Inverness
- Existing structure on 105 and 107 Inverness



DATA LEGEND

Boring Identification	
Sample Depth	Total VOC Concentration (ppm)

NS NS: Not sampled. No soil sample was obtained from this depth interval.

Isoconcentration contour line (Dashed where inferred)

( ) Concentration was not contoured.

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FIGURE 10

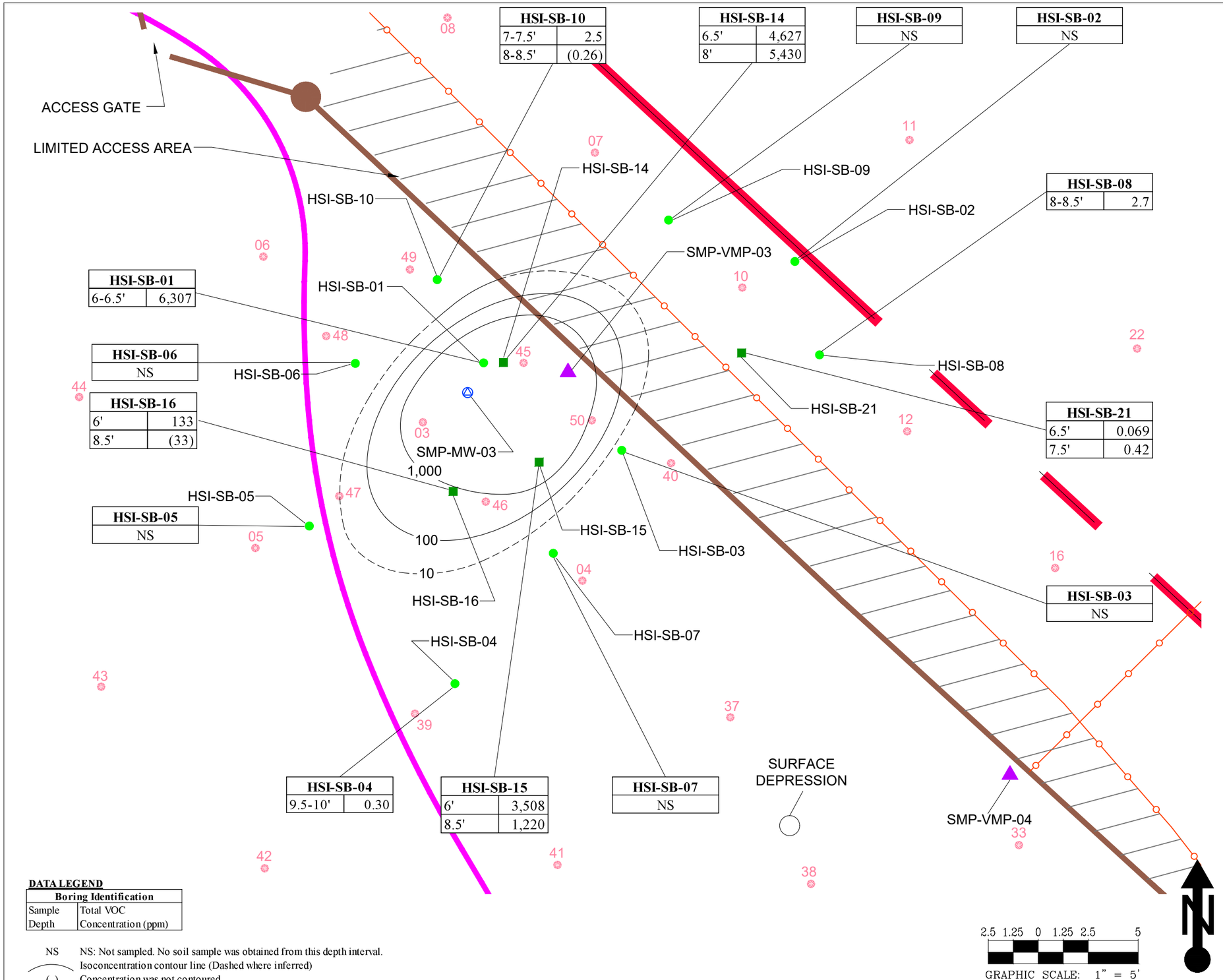
TOTAL VOC ISOCONCENTRATION MAP (BETWEEN 2 AND 6 FEET BELOW GRADE) - HOT SPOT AREA BORINGS

Montgomery Brothers Dump
Inverness Drive
North East, MD 21901

CGS Project No. CG-09-0423.14
Prepared by: M. Walsh
Date: 07-07-2021

LEGEND

- Site Property Boundary
- Limits of Clay Cap Installed in 2007
- Guard Rail
- Groundwater Monitoring Well
- Vapor Monitoring Point
- HRSC Boring Location (2020)
- Soil Boring Location (2020)
- Soil Boring Location (2021)
- Fencing Related to 105 and 107 Inverness



DATA LEGEND

Boring Identification	
Sample Depth	Total VOC Concentration (ppm)

NS NS: Not sampled. No soil sample was obtained from this depth interval.

Isoconcentration contour line (Dashed where inferred)

( ) Concentration was not contoured.

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FIGURE 11

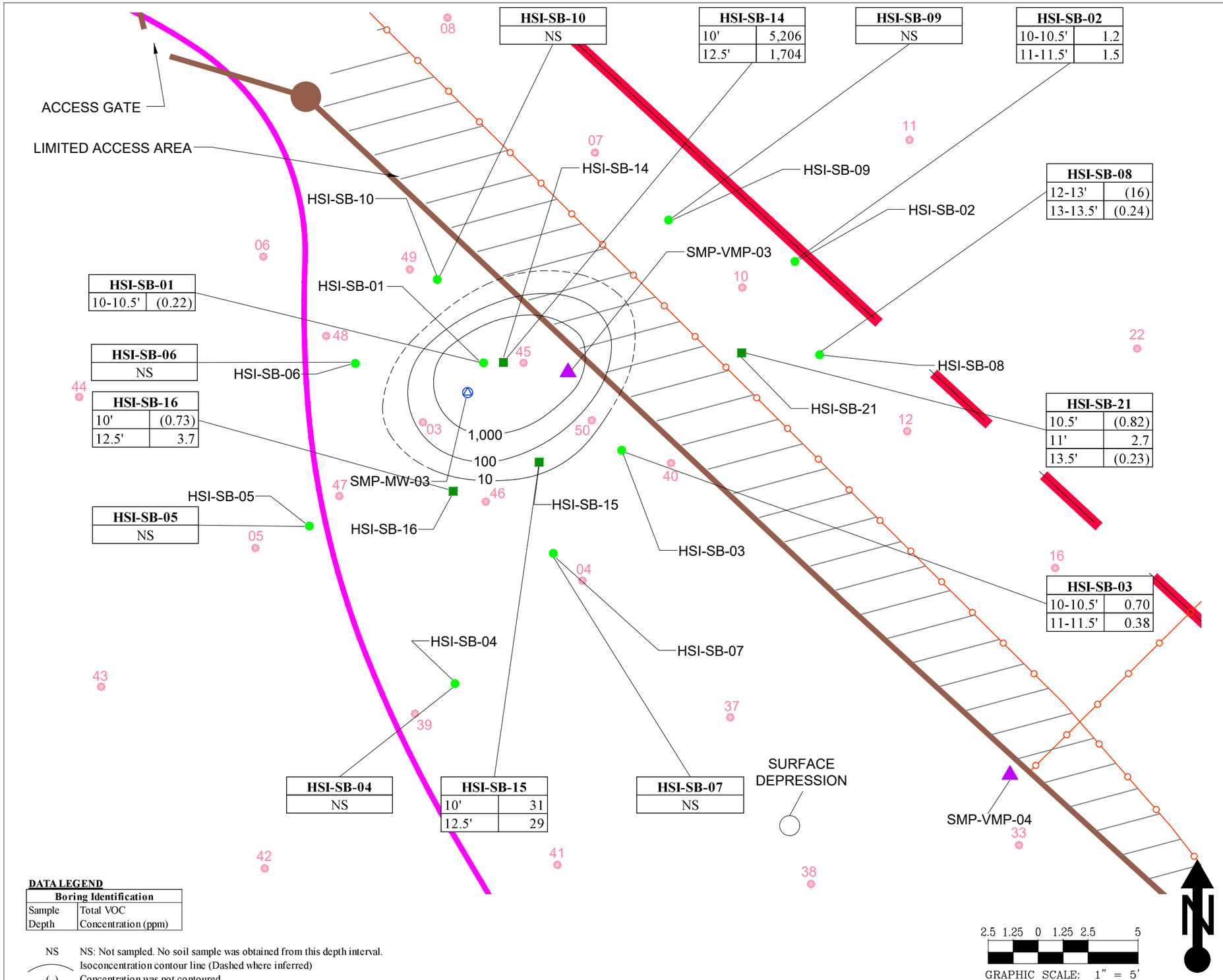
TOTAL VOC ISOCONCENTRATION MAP (BETWEEN 6 AND 10 FEET BELOW GRADE) - HOT SPOT AREA BORINGS

Montgomery Brothers Dump
Inverness Drive
North East, MD 21901

CGS Project No. CG-09-0423.14
Prepared by: M. Walsh
Date: 07-07-2021

LEGEND

- Site Property Boundary
- Limits of Clay Cap Installed in 2007
- Guard Rail
- Groundwater Monitoring Well
- Vapor Monitoring Point
- HRSC Boring Location (2020)
- Soil Boring Location (2020)
- Soil Boring Location (2021)
- Fencing Related to 105 and 107 Inverness



DATA LEGEND

Boring Identification	
Sample Depth	Total VOC Concentration (ppm)

NS NS: Not sampled. No soil sample was obtained from this depth interval.

Isoconcentration contour line (Dashed where inferred)

( ) Concentration was not contoured.

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FIGURE 12

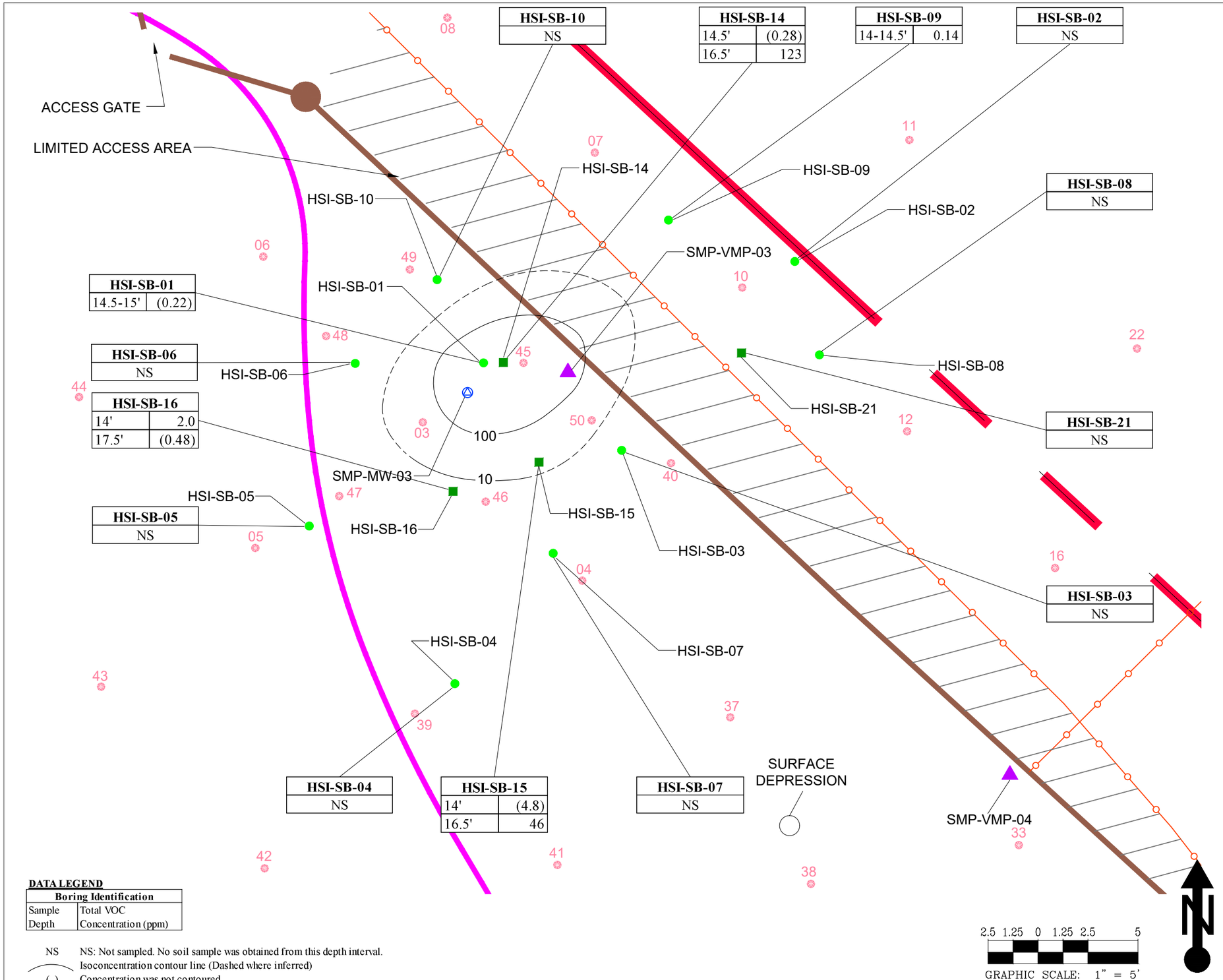
TOTAL VOC ISOCONCENTRATION MAP (BETWEEN 10 AND 14 FEET BELOW GRADE) - HOT SPOT AREA BORINGS

Montgomery Brothers Dump
Inverness Drive
North East, MD 21901

CGS Project No. CG-09-0423.14
Prepared by: M. Walsh
Date: 07-07-2021

LEGEND

- Site Property Boundary
- Limits of Clay Cap Installed in 2007
- Guard Rail
- Groundwater Monitoring Well
- Vapor Monitoring Point
- 01 HRSC Boring Location (2020)
- Soil Boring Location (2020)
- Soil Boring Location (2021)
- Fencing Related to 105 and 107 Inverness



DATA LEGEND

Boring Identification	
Sample Depth	Total VOC Concentration (ppm)

NS NS: Not sampled. No soil sample was obtained from this depth interval.

Isoconcentration contour line (Dashed where inferred)

( ) Concentration was not contoured.

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FIGURE 13

TOTAL VOC ISOCONCENTRATION MAP (BETWEEN 14 AND 18 FEET BELOW GRADE) - HOT SPOT AREA BORINGS

Montgomery Brothers Dump
Inverness Drive
North East, MD 21901

CGS Project No. CG-09-0423.14
Prepared by: M. Walsh
Date: 07-07-2021

LEGEND

- Site Property Boundary
- Limits of Clay Cap Installed in 2007
- Guard Rail
- Groundwater Monitoring Well
- Vapor Monitoring Point
- HRSC Boring Location (2020)
- Soil Boring Location (2020)
- Soil Boring Location (2021)
- Fencing Related to 105 and 107 Inverness

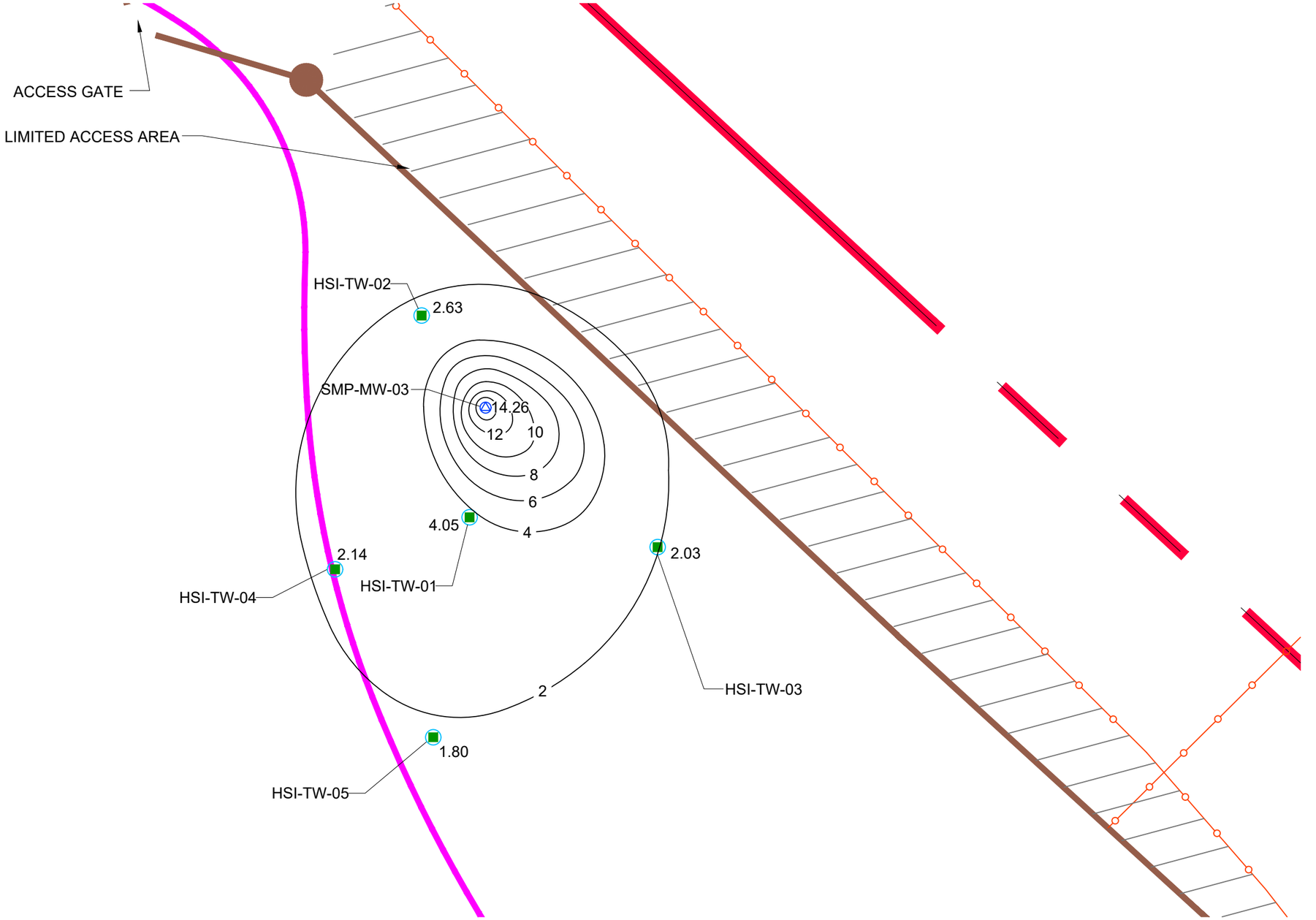

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FIGURE 14

EXCAVATION DEWATERING PILOT TEST DRAWDOWN

Montgomery Brothers Dump
Inverness Drive
North East, MD 21901

CGS Project No. CG-09-0423.14
Prepared by: M. Walsh
Date: 07-07-2021

LEGEND

- Site Property Boundary
- Limits of Clay Cap Installed in 2007
- Guard Rail
- Groundwater Monitoring Well
- Soil Boring Location (2021)
- Temporary Well Location (2021)
- Fencing Related to 105 and 107 Inverness
- Drawdown Contour Line (in feet)

TABLES

Table 1
Montgomery Brothers Dump (MD-137), Inverness Drive, North East, MD
Hot Spot Refinement Study

Sampling Plan

Purpose	Location ID	Co-Located ID	Sampling Method	Location Description	Planned Boring Depth (feet BG)	Planned Sampling Strategy	Additional Sample Collection Information	VOC Analyses	Duplicate VOC Analyses	Potential Additional VOC Analyses
Evaluate soil contaminant levels in the three other areas	HSI-SB-11	NA	Geoprobe with continuous Macrocore	Adjacent to HRSC-02	10	Target ECD and/or XSD peaks at 3', 5.75', and 7.75'	Sample collection in the vicinity of the targeted depth interval may be chosen based on PID screening.	3	3	6
	HSI-SB-12	NA		Adjacent to HRSC-22	12	Target ECD and/or XSD peaks at 3.5', 9', and 10.75'		3		
	HSI-SB-13	NA		Adjacent to HRSC-34	8	Target ECD and/or XSD peaks at 4', and 5.5'		2		
Vertical delineation of soil contaminant levels in the Hot Spot area and/or Installation of temporary wells for the dewatering pilot test	HSI-SB-14	NA		Adjacent to HSI-SB-01 and HRSC-45	20	1 sample per 2-feet between the depths of 2 and 20'	Sample collection within targeted depth interval will be chosen based on PID screening. Samples might be collected from additional locations based on PID screening.	9		
	HSI-SB-15	NA		5 feet from SMP-MW-03 at mid-point between HRSC-46 and HRSC-50	20	1 sample per 2-feet between the depths of 2 and 20'		9		
	HSI-SB-16	HSI-TW-01		5 feet from SMP-MW-03 near HRSC-46	20	1 sample per 2-feet between the depths of 2 and 20'		9		
	HSI-SB-17	HSI-TW-02		5 feet from SMP-MW-03 ~ 2' southwest of HRSC-49	20	Collection of samples for vertical delineation is not planned.		0		
	HSI-SB-18	HSI-TW-03		10 feet from SMP-MW-03 ~ 3' northeast of HRSC-04	20	Collection of samples for vertical delineation is not planned.		0		
	HSI-SB-19	HSI-TW-04		10 feet from SMP-MW-03 near HRSC-47	20	Collection of samples for vertical delineation is not planned.		0		
	HSI-SB-20	HSI-TW-05		15 feet from SMP-MW-03 near HRSC-39	20	Collection of samples for vertical delineation is not planned.		0		
	HSI-SB-21	NA		Between HRSC-46 and HRSC-22 adjacent to the fence on 105	20	1 sample per 2-feet between the depths of 3 and 15'		6		
							Number of planned/potential samples	**41**	**3**	**6**
							Total number of planned/potential samples	**50**		

Analytical Methods
VOCs (Volatile Organic Compounds) - EPA Method 8260

Table Notes
PID - Photoionization Detector
BG - Below Grade.
TBD - To Be Determined
NA - Not Applicable

Table 2
Montgomery Brothers Dump (MD-137), Inverness Drive, North East, MD
Hot Spot Refinement Study

Subsurface Soil Sample Analytical Results - Detected Analytes
May 11-13, 2021
Volatile Organic Compounds (VOCs)

Sample ID	HSI-SB-11 (3')	HSI-SB-11 (5.75')	HSI-SB-11 (7.75')	HSI-SB-12 (3.5')	HSI-SB-12 (9')	HSI-SB-12 (11.5')	HSI-SB-13 (4')	HSI-SB-13 (5.5')	MDE Residential Soil Standards
Dilution Factor	**67**	**1**	**1**	**67**	**71**	**1**	**1**	**1**	
Sample Collection Date	**05/11/21**	**05/11/21**	**05/11/21**	**05/11/21**	**05/11/21**	**05/11/21**	**05/11/21**	**05/11/21**	
Analyte Name	**Concentration (mg/kg)**								
1,1,1-Trichloroethane	0.028 U	0.00080 U	0.00075 U	0.029 U	0.031 U	0.0011 U	0.00080 U	0.00078 U	8.1E+02
1,1,2,2-Tetrachloroethane	**0.85**	**0.0041**	**0.0033**	0.036 U	0.039 U	0.00054 U	**0.17**	**0.0280**	6.0E-01
1,1,2-Trichloroethane	**0.22**	**0.0014** J	**0.0012** J	0.026 U	0.028 U	0.00055 U	**0.035**	**0.0120**	1.5E-01
1,1-Dichloroethane	0.034 U	0.00075 U	0.00071 U	0.034 U	0.038 U	**0.0013** J	0.00075 U	0.00073 U	3.6E+00
1,1-Dichloroethene	0.042 U	0.00099 U	0.00093 U	0.043 U	0.047 U	0.0014 U	0.0010 U	0.00097 U	2.3E+01
1,2-Dichlorobenzene	0.025 U	0.00044 U	0.00041 U	0.026 U	0.028 U	0.00061 U	0.00044 U	0.00043 U	1.8E+02
1,2-Dichloroethane	0.050 U	0.00035 U	0.00033 U	0.051 U	0.056 U	0.00049 U	**0.00093** J	**0.00050** J	4.6E-01
1,3-Dichlorobenzene	0.030 U	0.00048 U	0.00045 U	0.030 U	0.033 U	0.00066 U	0.00048 U	0.00046 U	na
2-Butanone	0.059 U	0.0010 U	0.00097 U	0.060 U	0.066 U	0.0014 U	0.0010 U	0.0010 U	2.7E+03
4-Methyl-2-pentanone	**0.090**	0.00050 U	0.00047 U	0.039 U	0.043 U	0.00069 U	0.00050 U	0.00049 U	3.3E+03
Acetone	0.36 U	0.0059 U	0.0055 U	0.37 U	0.40 U	**0.021**	**0.0086** J	0.0057 U	6.1E+03
Benzene	0.023 U	0.00063 U	0.00059 U	0.024 U	**0.040** J	**0.021**	0.00063 U	0.00062 U	1.2E+00
Bromochloromethane	0.062 U	0.00061 U	0.00057 U	0.063 U	0.069 U	0.00084 U	0.00061 U	0.00059 U	na
Bromodichloromethane	0.027 U	0.00041 U	0.00038 U	0.028 U	0.030 U	0.00056 U	0.00041 U	0.00040 U	2.9E-01
Carbon disulfide	0.033 U	0.0029 U	0.0028 U	0.034 U	0.037 U	0.0041 U	0.0029 U	0.0029 U	7.7E+01
Carbon tetrachloride	0.025 U	0.00084 U	0.00079 U	0.026 U	0.028 U	0.0012 U	0.00084 U	0.00082 U	6.5E-01
Chlorobenzene	**0.19**	**0.00085** J	**0.0068**	**2.9**	**2.7**	**0.55**	**0.0024**	0.00052 U	2.8E+01
Chloroform	0.15 U	0.0012 U	0.0011 U	0.16 U	0.17 U	0.0016 U	0.0012 U	0.0011 U	3.2E-01
cis-1,2-Dichloroethene	0.050 U	0.00070 U	0.00066 U	0.051 U	0.056 U	**0.003**	**0.0028**	**0.0010** J	1.6E+01
Ethylbenzene	0.037 U	0.00060 U	0.00056 U	**0.16**	**0.24**	**0.0036**	0.00060 U	0.00058 U	5.8E+00
Isopropylbenzene	0.039 U	0.00072 U	0.00067 U	0.039 U	**0.051** J	**0.0017**	0.00072 U	0.00070 U	1.9E+02
m&p-Xylenes	**0.10**	0.0010 U	0.00097 U	**0.41**	**0.69**	0.0014 U	0.0010 U	0.0010 U	5.8E+01
Methyl Acetate	**0.48**	0.00083 U	0.00078 U	0.056 U	0.062 U	0.0012 U	0.00083 U	0.00081 U	na
Methylcyclohexane	0.048 U	0.00078 U	0.00073 U	0.049 U	0.054 U	0.0011 U	0.00078 U	0.00076 U	na
Methylene chloride	0.023 U	0.00065 U	0.00061 U	0.024 U	0.026 U	**0.0037**	0.00065 U	0.00063 U	3.5E+01
Methyl-t-butyl ether	0.025 U	0.00047 U	0.00044 U	0.025 U	0.027 U	**0.0012** J	0.00047 U	0.00046 U	4.7E+01
o-Xylene	0.054 U	0.00061 U	0.00058 U	**0.10**	**0.21**	0.00085 U	0.00062 U	0.00060 U	5.8E+01
Tetrachloroethene	**0.18**	0.00085 U	0.00080 U	0.029 U	0.031 U	0.0012 U	**0.0046**	0.00083 U	8.1E+00
Toluene	**0.17**	0.00057 U	0.00054 U	**0.29**	**0.078** J	0.00079 U	0.00057 U	0.00056 U	4.9E+02
trans-1,2-Dichloroethene	0.024 U	0.0010 U	0.00097 U	0.025 U	0.027 U	0.0014 U	0.0010 U	0.0010 U	1.6E+02
Trichloroethene	**0.11**	0.00071 U	0.00067 U	0.028 U	0.030 U	0.00098 U	**0.0064**	0.00069 U	4.1E-01
Trichlorofluoromethane	0.024 U	0.0010 U	0.00096 U	0.025 U	0.027 U	0.0014 U	0.0010 U	0.0010 U	na
Vinyl chloride	0.056 U	0.0011 U	0.00099 U	0.057 U	0.062 U	**0.0075**	0.0011 U	0.0010 U	5.9E-02
Xylenes (Total)	**0.10**	0.00061 U	0.00058 U	**0.51**	**0.90**	0.00085 U	0.00062 U	0.00060 U	5.8E+01

Table Notes:

VOCs Analytical Method: EPA Method 8260D

[Sample ID] - Sample Identification as shown on the COC and in the Lab Report for the duplicate samples.

mg/kg - milligrams per kilogram or parts per million (ppm)

U - Analyte not detected above specified Method Detection Limit (MDL) (shown as a gray tone).

J - Detected above the MDL but below the Reporting Limit (RL); therefore, result is an estimated concentration.

na - not applicable

Bold - Detected analyte concentration

Screening Levels (SLs):

MDE Residential Soil Clean-up Standards (October 2018)

Screening Evaluation Notes:

Red, bold, and underline - Detected analyte concentration exceeds the respective SL.

Underline - MDL exceeds the respective SL.

Additional Screening Level Notes:

Analyte	MDE Residential Soil Standard
m+p-Xylenes	Total Xylenes
o-Xylene	Total Xylenes

Table 2
Montgomery Brothers Dump (MD-137), Inverness Drive, North East, MD
Hot Spot Refinement Study

Subsurface Soil Sample Analytical Results - Detected Analytes
May 11-13, 2021
Volatile Organic Compounds (VOCs)

Sample ID	HSI-SB-14 (3.5')	HSI-SB-14 (5')	HSI-SB-14 (6.5')	HSI-SB-14 (8')	HSI-SB-14 (8') [HSI-SB-D2]	HSI-SB-14 (10')	HSI-SB-14 (12.5')	HSI-SB-14 (14.5')	HSI-SB-14 (16.5')	HSI-SB-14 (18.5') [HIS-SB-14 (18.5')]	MDE Residential Soil Standards
Dilution Factor	**6,650**	**6,580**	**6,440**	**6,780**	**6,320**	**6,780**	**6,590**	**1**	**67**	**1**	
Sample Collection Date	**05/12/21**	**05/12/21**	**05/12/21**	**05/12/21**	**05/12/21**	**05/12/21**	**05/12/21**	**05/12/21**	**05/12/21**	**05/12/21**	
Analyte Name	**Concentration (mg/kg)**										
1,1,1-Trichloroethane	2.8 U	2.8 U	2.8 U	2.9 U	2.8 U	2.9 U	2.9 U	0.00080 U	0.029 U	0.00081 U	8.1E+02
1,1,2,2-Tetrachloroethane	**110**	**270**	**200**	**80**	**240**	**160**	**50**	**0.0053**	**3.4**	**0.0015** J	6.0E-01
1,1,2-Trichloroethane	2.5 U	2.5 U	2.5 U	2.6 U	2.5 U	2.6 U	2.6 U	0.00040 U	0.026 U	0.00041 U	1.5E-01
1,1-Dichloroethane	3.3 U	3.3 U	3.4 U	3.5 U	3.3 U	3.5 U	3.5 U	0.00075 U	0.035 U	**0.0015** J	3.6E+00
1,1-Dichloroethene	4.1 U	4.1 U	4.2 U	4.4 U	4.1 U	4.3 U	4.3 U	0.00099 U	0.044 U	0.0010 U	2.3E+01
1,2-Dichlorobenzene	2.5 U	2.5 U	2.5 U	2.6 U	2.5 U	2.6 U	2.6 U	0.00044 U	0.027 U	0.00045 U	1.8E+02
1,2-Dichloroethane	**51**	**90**	**62**	**17**	**66**	**59**	**18**	**0.0065**	**2.9**	**0.014**	4.6E-01
1,3-Dichlorobenzene	2.9 U	2.9 U	3.0 U	3.1 U	2.9 U	3.1 U	3.1 U	0.00048 U	0.031 U	0.00049 U	na
2-Butanone	5.8 U	5.8 U	5.9 U	6.1 U	5.8 U	6.1 U	6.1 U	0.0010 U	0.062 U	0.0011 U	2.7E+03
4-Methyl-2-pentanone	**130**	**210**	**140**	**49**	**150**	**91**	**30**	**0.0067**	**6.3**	0.00051 U	3.3E+03
Acetone	35 U	35 U	36 U	37 U	35 U	37 U	37 U	0.006 U	0.38 U	0.0060 U	6.1E+03
Benzene	**4.7**	**8.3**	**7.8**	2.4 U	**7.2**	**8.5**	**2.8** J	**0.0032**	**0.23**	**0.0100**	1.2E+00
Bromochloromethane	6.1 U	6.1 U	6.2 U	6.4 U	6.1 U	6.4 U	6.4 U	0.00061 U	0.065 U	0.00062 U	na
Bromodichloromethane	2.7 U	2.7 U	2.7 U	2.8 U	2.7 U	2.8 U	2.8 U	0.00041 U	0.028 U	0.00041 U	2.9E-01
Carbon disulfide	3.3 U	3.3 U	3.3 U	3.5 U	3.3 U	3.5 U	3.4 U	0.0029 U	0.035 U	0.0030 U	7.7E+01
Carbon tetrachloride	2.5 U	2.5 U	2.5 U	2.6 U	2.5 U	2.6 U	2.6 U	0.00084 U	0.027 U	0.00086 U	6.5E-01
Chlorobenzene	**730**	**1,300**	**710**	**320**	**1,100**	**980**	**350**	**0.097**	**21**	**0.16**	2.8E+01
Chloroform	15 U	15 U	15 U	16 U	15 U	16 U	16 U	0.0012 U	0.16 U	0.0012 U	3.2E-01
cis-1,2-Dichloroethene	**20**	**41**	**40**	**6.7** J	4.9 U	**44**	**27**	**0.0066**	**3.2**	**0.073**	1.6E+01
Ethylbenzene	**19**	**39**	**31**	**13**	**38**	**30**	**11**	**0.0024**	**0.59**	**0.0026**	5.8E+00
Isopropylbenzene	3.8 U	**4.3** J	3.9 U	4.0 U	**4.1** J	4.0 U	4.0 U	0.00072 U	**0.064** J	0.00073 U	1.9E+02
m&p-Xylenes	**98**	**190**	**140**	**52**	**180**	**150**	**52**	**0.0035**	**2.8**	**0.0043**	5.8E+01
Methyl Acetate	5.4 U	5.4 U	5.5 U	5.7 U	5.4 U	5.7 U	5.7 U	0.00083 U	0.058 U	0.00085 U	na
Methylcyclohexane	4.7 U	4.8 U	4.8 U	5.0 U	4.7 U	5.0 U	5.0 U	0.00078 U	**0.065** J	0.00079 U	na
Methylene chloride	**110**	**180**	**150**	**23**	**110**	**110**	**47**	**0.024**	**9.5**	**0.069**	3.5E+01
Methyl-t-butyl ether	2.4 U	2.4 U	2.5 U	2.6 U	2.4 U	2.5 U	2.5 U	0.00047 U	0.026 U	0.00048 U	4.7E+01
o-Xylene	**23**	**43**	**32**	**12**	**40**	**33**	**12**	**0.0013**	**0.64**	**0.0021**	5.8E+01
Tetrachloroethene	**34**	**65**	**44**	**17**	**60**	**52**	**20**	**0.0015** J	**0.95**	**0.0039**	8.1E+00
Toluene	**1,100**	**2,400**	**1,700**	**510**	**1,900**	**1,900**	**610**	**0.065**	**41**	**0.14**	4.9E+02
trans-1,2-Dichloroethene	2.4 U	**11**	2.4 U	2.5 U	**8.1**	**8.0** J	2.5 U	0.0010 U	**0.29**	**0.021**	1.6E+02
Trichloroethene	**770**	**1,400**	**1,200**	**320**	**1,300**	**1,400**	**410**	**0.051**	**26**	**0.23**	4.1E-01
Trichlorofluoromethane	2.4 U	2.4 U	2.4 U	2.5 U	2.4 U	2.5 U	2.5 U	0.0010 U	0.025 U	0.0010 U	na
Vinyl chloride	5.5 U	5.5 U	5.6 U	5.8 U	5.4 U	5.8 U	5.7 U	**0.0015** J	**0.28**	**0.030**	5.9E-02
Xylenes (Total)	**120**	**230**	**170**	**64**	**220**	**180**	**64**	**0.0048**	**3.4**	**0.0064**	5.8E+01

Table Notes:

VOCs Analytical Method: EPA Method 8260D

[Sample ID] - Sample Identification as shown on the COC and in the Lab Report for the duplicate samples.

mg/kg - milligrams per kilogram or parts per million (ppm)

U - Analyte not detected above specified Method Detection Limit (MDL) (shown as a gray tone).

J - Detected above the MDL but below the Reporting Limit (RL); therefore, result is an estimated concentration.

na - not applicable

Bold - Detected analyte concentration

Screening Levels (SLs):

MDE Residential Soil Clean-up Standards (October 2018)

Screening Evaluation Notes:

Red, bold, and underline - Detected analyte concentration exceeds the respective SL.

Underline - MDL exceeds the respective SL.

Additional Screening Level Notes:

Analyte	MDE Residential Soil Standard
m+p-Xylenes	Total Xylenes
o-Xylene	Total Xylenes

Table 2
Montgomery Brothers Dump (MD-137), Inverness Drive, North East, MD
Hot Spot Refinement Study

Subsurface Soil Sample Analytical Results - Detected Analytes
May 11-13, 2021
Volatile Organic Compounds (VOCs)

Sample ID	HSI-SB-15 (3.5')	HSI-SB-15 (5.5')	HSI-SB-15 (5.5') [HSI-SB-D3]	HSI-SB-15 (6')	HSI-SB-15 (8.5')	HSI-SB-15 (10')	HSI-SB-15 (12.5')	HSI-SB-15 (14')	HSI-SB-15 (16.5')	HSI-SB-15 (18.5')	MDE Residential Soil Standards
Dilution Factor	**6,780**	**6,780**	**6,930**	**7,050**	**724**	**68**	**67**	**65**	**69**	**1**	
Sample Collection Date	**05/12/21**	**05/12/21**	**05/12/21**	**05/12/21**	**05/12/21**	**05/12/21**	**05/12/21**	**05/12/21**	**05/12/21**	**05/12/21**	
Analyte Name	**Concentration (mg/kg)**										
1,1,1-Trichloroethane	2.8 U	3.0 U	3.0 U	3.2 U	0.32 U	0.029 U	0.028 U	0.030 U	0.030 U	**0.0013** J	8.1E+02
1,1,2,2-Tetrachloroethane	**260**	**130**	**60**	**160**	**60**	**0.83**	**0.79**	0.037 U	**1.8**	**0.00071** J	6.0E-01
1,1,2-Trichloroethane	2.5 U	2.6 U	2.7 U	2.8 U	**1.1**	0.026 U	0.025 U	0.027 U	0.026 U	0.00039 U	1.5E-01
1,1-Dichloroethane	3.4 U	3.5 U	3.6 U	3.8 U	0.39 U	0.034 U	0.033 U	0.036 U	0.035 U	**0.0027**	3.6E+00
1,1-Dichloroethene	4.2 U	4.4 U	4.5 U	4.7 U	0.48 U	0.043 U	0.041 U	0.045 U	0.044 U	**0.0030**	2.3E+01
1,2-Dichlorobenzene	2.6 U	2.7 U	2.7 U	2.9 U	0.29 U	0.026 U	0.025 U	0.027 U	0.027 U	**0.00049** J	1.8E+02
1,2-Dichloroethane	**28**	**32**	**22**	**22**	**34**	**1.1**	**1.3**	**0.15**	**2.0**	**0.0057**	4.6E-01
1,3-Dichlorobenzene	3.0 U	3.1 U	3.2 U	3.3 U	0.34 U	0.030 U	0.029 U	0.031 U	0.031 U	**0.00069** J	na
2-Butanone	5.9 U	6.2 U	6.3 U	6.6 U	0.68 U	0.060 U	0.058 U	0.063 U	0.062 U	0.0010 U	2.7E+03
4-Methyl-2-pentanone	**16**	**59**	**48**	**47**	**94**	**4.1**	**3.8**	0.041 U	**5.8**	0.00049 U	3.3E+03
Acetone	36 U	38 U	39 U	40 U	4.1 U	0.37 U	0.36 U	0.38 U	0.38 U	0.0057 U	6.1E+03
Benzene	**2.7** J	**3.3** J	2.5 U	**3.6** J	**2.1**	**0.14**	**0.12**	0.025 U	**0.12**	**0.0037**	1.2E+00
Bromochloromethane	6.2 U	6.5 U	6.6 U	6.9 U	0.71 U	0.063 U	0.061 U	0.066 U	0.065 U	**0.0015** J	na
Bromodichloromethane	2.7 U	2.9 U	2.9 U	3.0 U	0.31 U	0.028 U	0.027 U	0.029 U	0.029 U	**0.00054** J	2.9E-01
Carbon disulfide	3.3 U	3.5 U	3.6 U	3.7 U	0.38 U	0.034 U	0.033 U	0.035 U	0.035 U	0.0029 U	7.7E+01
Carbon tetrachloride	2.5 U	2.7 U	2.7 U	2.8 U	0.29 U	0.026 U	0.025 U	0.027 U	0.027 U	**0.0010** J	6.5E-01
Chlorobenzene	**980**	**820**	**520**	**960**	**240**	**4.9**	**4.4**	**0.91**	**7.7**	**0.065**	2.8E+01
Chloroform	15 U	16 U	17 U	17 U	1.8 U	0.16 U	0.15 U	0.16 U	0.16 U	**0.0019**	3.2E-01
cis-1,2-Dichloroethene	**15**	**22**	**17**	**24**	**29**	**7.7**	**7.6**	**0.43**	**4.5**	**0.020**	1.6E+01
Ethylbenzene	**29**	**24**	**16**	**31**	**5.9**	**0.11**	**0.10**	0.039 U	**0.21**	**0.00070** J	5.8E+00
Isopropylbenzene	**6.2** J	4.1 U	4.2 U	**4.5** J	**0.61** J	0.040 U	0.038 U	0.041 U	0.041 U	0.00070 U	1.9E+02
m&p-Xylenes	**170**	**120**	**72**	**160**	**29**	**0.52**	**0.50**	**0.10**	**1.0**	**0.0023**	5.8E+01
Methyl Acetate	5.5 U	5.8 U	5.9 U	6.2 U	0.64 U	0.057 U	0.055 U	0.059 U	**0.59**	0.00081 U	na
Methylcyclohexane	4.8 U	5.1 U	5.2 U	5.4 U	0.56 U	0.049 U	0.048 U	0.051 U	0.051 U	0.00076 U	na
Methylene chloride	**37**	**51**	**37**	**30**	**51**	0.024 U	**0.13**	**0.44**	**1.2**	**0.012**	3.5E+01
Methyl-t-butyl ether	2.5 U	2.6 U	2.6 U	2.8 U	0.28 U	0.025 U	0.024 U	0.026 U	0.026 U	**0.0018**	4.7E+01
o-Xylene	**44**	**27**	**19**	**36**	**6.7**	**0.13**	**0.13**	0.057 U	**0.25**	**0.0010**	5.8E+01
Tetrachloroethene	**55**	**42**	**24**	**50**	**8.0**	**0.060** J	**0.064** J	**0.039** J	**0.33**	**0.0014** J	8.1E+00
Toluene	**630**	**900**	**580**	**1,100**	**370**	**9.7**	**8.6**	**1.4**	**11**	**0.027**	4.9E+02
trans-1,2-Dichloroethene	**3.3** J	2.6 U	2.6 U	2.7 U	**2.3**	**0.22**	**0.26**	0.026 U	**0.23**	**0.0049**	1.6E+02
Trichloroethene	**630**	**610**	**390**	**680**	**250**	**0.085**	**0.42**	**1.2**	**8.0**	**0.033**	4.1E-01
Trichlorofluoromethane	2.4 U	2.5 U	2.6 U	2.7 U	0.28 U	0.025 U	0.024 U	0.026 U	0.025 U	**0.0033**	na
Vinyl chloride	5.6 U	5.8 U	6.0 U	6.2 U	0.64 U	**0.63**	**0.55**	0.059 U	**0.11**	**0.010**	5.9E-02
Xylenes (Total)	**210**	**150**	**91**	**200**	**36**	**0.65**	**0.63**	**0.10**	**1.2**	**0.003**	5.8E+01

Table Notes:

VOCs Analytical Method: EPA Method 8260D

[Sample ID] - Sample Identification as shown on the COC and in the Lab Report for the duplicate samples.

mg/kg - milligrams per kilogram or parts per million (ppm)

U - Analyte not detected above specified Method Detection Limit (MDL) (shown as a gray tone).

J - Detected above the MDL but below the Reporting Limit (RL); therefore, result is an estimated concentration.

na - not applicable

Bold - Detected analyte concentration

Screening Levels (SLs):

MDE Residential Soil Clean-up Standards (October 2018)

Screening Evaluation Notes:

Red, bold, and underline - Detected analyte concentration exceeds the respective SL.

Underline - MDL exceeds the respective SL.

Additional Screening Level Notes:

Analyte	MDE Residential Soil Standard
m+p-Xylenes	Total Xylenes
o-Xylene	Total Xylenes

Table 2
Montgomery Brothers Dump (MD-137), Inverness Drive, North East, MD
Hot Spot Refinement Study

Subsurface Soil Sample Analytical Results - Detected Analytes
May 11-13, 2021
Volatile Organic Compounds (VOCs)

Sample ID	HSI-SB-16 (3.5')	HSI-SB-16 (5')	HSI-SB-16 (6')	HSI-SB-16 (8.5')	HSI-SB-16 (10')	HSI-SB-16 (12.5')	HSI-SB-16 (14')	HSI-SB-16 (17.5')	HSI-SB-16 (19.5')	MDE Residential Soil Standards
Dilution Factor	**6,620**	**668**	**142**	**70**	**1**	**73**	**76**	**1**	**1**	
Sample Collection Date	**05/13/21**	**05/13/21**	**05/13/21**	**05/13/21**	**05/13/21**	**05/13/21**	**05/13/21**	**05/13/21**	**05/13/21**	
Analyte Name	**Concentration (mg/kg)**									
1,1,1-Trichloroethane	2.8 U	0.28 U	0.061 U	0.030 U	0.00077 U	0.032 U	0.035 U	0.00081 U	0.00084 U	8.1E+02
1,1,2,2-Tetrachloroethane	**350**	**37**	**8.1**	**2.4**	**0.015**	**0.099**	**0.057** J	**0.034**	**0.0041**	6.0E-01
1,1,2-Trichloroethane	2.5 U	0.25 U	0.055 U	0.026 U	**0.0014** J	0.028 U	0.031 U	0.00040 U	0.00042 U	1.5E-01
1,1-Dichloroethane	3.3 U	0.33 U	0.073 U	0.035 U	0.00072 U	0.038 U	0.042 U	**0.00081** J	0.00080 U	3.6E+00
1,1-Dichloroethene	4.1 U	0.41 U	0.091 U	0.044 U	0.00096 U	0.047 U	0.052 U	0.0010 U	0.0011 U	2.3E+01
1,2-Dichlorobenzene	2.5 U	0.25 U	0.055 U	0.027 U	0.00042 U	**0.035** J	0.032 U	0.00045 U	0.00047 U	1.8E+02
1,2-Dichloroethane	**33**	**4.9**	**1.4**	**0.54**	0.00034 U	**0.14**	**0.093**	**0.018**	**0.0058**	4.6E-01
1,3-Dichlorobenzene	2.9 U	0.29 U	0.064 U	0.031 U	0.00046 U	0.033 U	0.037 U	0.00048 U	0.00050 U	na
2-Butanone	5.8 U	0.58 U	0.13 U	0.062 U	0.0010 U	0.066 U	0.073 U	0.0011 U	0.0011 U	2.7E+03
4-Methyl-2-pentanone	**91**	**22**	**2.6**	**1.4**	**0.022**	0.043 U	0.047 U	**0.018**	**0.0013** J	3.3E+03
Acetone	35 U	3.6 U	0.78 U	0.38 U	0.0056 U	0.41 U	0.45 U	0.0059 U	0.0062 U	6.1E+03
Benzene	**4.0**	**0.46**	**0.19**	**0.076**	**0.010**	**0.034** J	0.029 U	**0.0050**	**0.0033**	1.2E+00
Bromochloromethane	6.1 U	0.61 U	0.13 U	0.065 U	0.00058 U	0.070 U	0.076 U	0.00061 U	0.00064 U	na
Bromodichloromethane	2.7 U	0.27 U	0.059 U	0.029 U	0.00039 U	0.031 U	0.034 U	0.00041 U	0.00043 U	2.9E-01
Carbon disulfide	3.3 U	0.33 U	0.072 U	0.035 U	0.0028 U	0.037 U	0.041 U	0.0030 U	0.0031 U	7.7E+01
Carbon tetrachloride	2.5 U	0.25 U	0.055 U	0.027 U	0.00081 U	0.029 U	0.031 U	0.00085 U	0.00089 U	6.5E-01
Chlorobenzene	**710**	**61**	**27**	**5.8**	**0.14**	**0.64**	**0.44**	**0.14**	**0.078**	2.8E+01
Chloroform	15 U	1.5 U	0.34 U	0.16 U	0.0011 U	0.17 U	0.19 U	0.0012 U	0.0012 U	3.2E-01
cis-1,2-Dichloroethene	**31**	**4.3**	**5.2**	**2.4**	**0.34**	**1.2**	**0.27**	**0.028**	**0.015**	1.6E+01
Ethylbenzene	**52**	**4.1**	**1.5**	**0.35**	**0.0040**	0.041 U	0.045 U	**0.0027**	**0.0014**	5.8E+00
Isopropylbenzene	**5.4** J	**0.49** J	**0.25**	**0.049** J	0.00069 U	0.044 U	0.048 U	0.00073 U	0.00076 U	1.9E+02
m&p-Xylenes	**250**	**24**	**9.6**	**1.9**	**0.0068**	**0.11**	0.083 U	**0.011**	**0.0059**	5.8E+01
Methyl Acetate	5.4 U	0.55 U	0.12 U	0.058 U	0.00080 U	0.062 U	0.068 U	0.00084 U	0.00088 U	na
Methylcyclohexane	4.7 U	0.48 U	**0.17** J	0.051 U	**0.0017**	0.054 U	0.060 U	0.00079 U	0.00082 U	na
Methylene chloride	**36**	**6.9**	**0.51**	**0.33**	**0.0065**	**0.14**	**0.19**	**0.017**	**0.0089**	3.5E+01
Methyl-t-butyl ether	2.4 U	0.24 U	0.053 U	0.026 U	0.00045 U	0.028 U	0.030 U	**0.00087** J	0.00049 U	4.7E+01
o-Xylene	**59**	**5.6**	**2.1**	**0.48**	**0.0038**	0.060 U	0.066 U	**0.0040**	**0.0018**	5.8E+01
Tetrachloroethene	**73**	**6.1**	**3.1**	**0.64**	**0.0024**	0.032 U	0.035 U	**0.0033**	**0.0028**	8.1E+00
Toluene	**1,300**	**120**	**39**	**9.2**	**0.057**	**0.54**	**0.53**	**0.11**	**0.058**	4.9E+02
trans-1,2-Dichloroethene	**5.8** J	0.24 U	**0.46**	**0.16**	**0.023**	**0.096**	**0.045** J	**0.0018**	**0.0014** J	1.6E+02
Trichloroethene	**790**	**64**	**20**	**4.9**	**0.040**	**0.51**	**0.41**	**0.061**	**0.045**	4.1E-01
Trichlorofluoromethane	2.4 U	0.24 U	0.052 U	0.025 U	0.00098 U	0.027 U	0.030 U	0.0010 U	0.0011 U	na
Vinyl chloride	5.4 U	0.55 U	0.12 U	**0.14**	**0.048**	**0.094**	0.069 U	**0.010**	**0.0078**	5.9E-02
Xylenes (Total)	**310**	**30**	**12**	**2.4**	**0.011**	**0.11**	0.066 U	**0.015**	**0.0077**	5.8E+01

Table Notes:

VOCs Analytical Method: EPA Method 8260D

[Sample ID] - Sample Identification as shown on the COC and in the Lab Report for the duplicate samples.

mg/kg - milligrams per kilogram or parts per million (ppm)

U - Analyte not detected above specified Method Detection Limit (MDL) (shown as a gray tone).

J - Detected above the MDL but below the Reporting Limit (RL); therefore, result is an estimated concentration.

na - not applicable

Bold - Detected analyte concentration

Screening Levels (SLs):

MDE Residential Soil Clean-up Standards (October 2018)

Screening Evaluation Notes:

Red, bold, and underline - Detected analyte concentration exceeds the respective SL.

Underline - MDL exceeds the respective SL.

Additional Screening Level Notes:

Analyte	MDE Residential Soil Standard
m+p-Xylenes	Total Xylenes
o-Xylene	Total Xylenes

Table 2
Montgomery Brothers Dump (MD-137), Inverness Drive, North East, MD
Hot Spot Refinement Study

Subsurface Soil Sample Analytical Results - Detected Analytes
May 11-13, 2021
Volatile Organic Compounds (VOCs)

Sample ID	HSI-SB-21 (4')	HSI-SB-21 (6.5')	HSI-SB-21 (7.5')	HSI-SB-21 (10.5')	HSI-SB-21 (11')	HSI-SB-21 (11') [HSI-SB-D1]	HSI-SB-21 (13.5')	MDE Residential Soil Standards
Dilution Factor	**1**	**1**	**1**	**71**	**1**	**84**	**1**	
Sample Collection Date	**05/11/21**	**05/11/21**	**05/11/21**	**05/11/21**	**05/11/21**	**05/11/21**	**05/11/21**	
Analyte Name	**Concentration (mg/kg)**							
1,1,1-Trichloroethane	0.00076 U	0.00073 U	0.00071 U	0.030 U	0.00080 U	0.038 U	0.00082 U	8.1E+02
1,1,2,2-Tetrachloroethane	**0.052**	**0.0011** J	0.00035 U	0.038 U	0.00039 U	0.047 U	**0.0016** J	6.0E-01
1,1,2-Trichloroethane	**0.010**	**0.00072** J	0.00036 U	0.027 U	0.00040 U	0.034 U	0.00041 U	1.5E-01
1,1-Dichloroethane	0.00072 U	0.00069 U	**0.00070** J	0.036 U	**0.0011** J	0.045 U	**0.0013** J	3.6E+00
1,1-Dichloroethene	0.00095 U	0.00091 U	0.00089 U	0.045 U	0.0010 U	0.056 U	0.0010 U	2.3E+01
1,2-Dichlorobenzene	0.00042 U	0.00040 U	0.00039 U	0.027 U	0.00044 U	0.034 U	0.00045 U	1.8E+02
1,2-Dichloroethane	**0.00064** J	0.00032 U	**0.00074** J	0.054 U	0.00036 U	0.067 U	**0.0069**	4.6E-01
1,3-Dichlorobenzene	0.00045 U	0.00043 U	0.00043 U	0.032 U	0.00048 U	0.040 U	0.00049 U	na
2-Butanone	0.00099 U	0.00095 U	**0.0011** J	0.063 U	**0.0020**	0.079 U	0.0011 U	2.7E+03
4-Methyl-2-pentanone	0.00048 U	0.00046 U	0.00045 U	0.041 U	0.00050 U	0.051 U	0.00052 U	3.3E+03
Acetone	0.0056 U	**0.0070** J	**0.0091**	0.38 U	**0.014**	0.48 U	**0.0070** J	6.1E+03
Benzene	0.00060 U	**0.0022**	**0.012**	0.025 U	**0.0100**	**0.060**	**0.0063**	1.2E+00
Bromochloromethane	0.00058 U	0.00055 U	0.00054 U	0.066 U	0.00061 U	0.083 U	0.00062 U	na
Bromodichloromethane	0.00039 U	0.00037 U	0.00036 U	0.029 U	0.00041 U	0.036 U	0.00042 U	2.9E-01
Carbon disulfide	0.0028 U	0.0027 U	0.0026 U	0.036 U	**0.020**	0.045 U	0.0030 U	7.7E+01
Carbon tetrachloride	0.00080 U	0.00077 U	0.00075 U	0.027 U	0.00084 U	0.034 U	0.00087 U	6.5E-01
Chlorobenzene	**0.0053**	**0.056**	**0.38**	**0.72**	**0.37**	**2.0**	**0.097**	2.8E+01
Chloroform	0.0011 U	0.0011 U	0.0011 U	0.17 U	0.0012 U	0.21 U	0.0012 U	3.2E-01
cis-1,2-Dichloroethene	**0.0018**	0.00064 U	0.00063 U	0.053 U	0.00070 U	0.067 U	**0.064**	1.6E+01
Ethylbenzene	0.00057 U	0.00054 U	**0.0046**	0.039 U	**0.0054**	0.049 U	0.00062 U	5.8E+00
Isopropylbenzene	0.00068 U	0.00066 U	**0.0012**	0.041 U	0.00072 U	0.052 U	0.00074 U	1.9E+02
m&p-Xylenes	0.00099 U	0.00095 U	**0.0014**	0.071 U	**0.012**	0.090 U	0.0011 U	5.8E+01
Methyl Acetate	0.00079 U	0.00076 U	0.00074 U	0.059 U	0.00083 U	0.074 U	0.00086 U	na
Methylcyclohexane	0.00074 U	0.00071 U	0.00070 U	0.052 U	0.00078 U	0.065 U	0.00080 U	na
Methylene chloride	**0.0062**	**0.0018**	**0.0027**	0.025 U	**0.0023**	0.031 U	**0.0049**	3.5E+01
Methyl-t-butyl ether	0.00044 U	0.00043 U	0.00042 U	0.026 U	0.00047 U	0.033 U	**0.0033**	4.7E+01
o-Xylene	0.00058 U	0.00056 U	**0.00064** J	0.057 U	**0.0037**	0.072 U	0.00063 U	5.8E+01
Tetrachloroethene	**0.0070**	0.00077 U	0.00076 U	0.030 U	0.00085 U	0.038 U	0.00087 U	8.1E+00
Toluene	0.00054 U	0.00052 U	0.00051 U	**0.10**	**0.16**	**0.61**	0.00059 U	4.9E+02
trans-1,2-Dichloroethene	0.00099 U	0.00095 U	0.00093 U	0.026 U	0.0010 U	0.033 U	**0.017**	1.6E+02
Trichloroethene	**0.010**	0.00065 U	0.00063 U	0.029 U	0.00071 U	0.036 U	**0.0015** J	4.1E-01
Trichlorofluoromethane	0.00097 U	0.00093 U	0.00091 U	0.026 U	0.0010 U	0.032 U	0.0011 U	na
Vinyl chloride	0.0010 U	0.00096 U	0.00094 U	0.059 U	0.0011 U	0.074 U	**0.0210**	5.9E-02
Xylenes (Total)	0.00058 U	0.00056 U	**0.0020**	0.057 U	**0.016**	0.072 U	0.00063 U	5.8E+01

Table Notes:

VOCs Analytical Method: EPA Method 8260D

[Sample ID] - Sample Identification as shown on the COC and in the Lab Report for the duplicate samples.

mg/kg - milligrams per kilogram or parts per million (ppm)

U - Analyte not detected above specified Method Detection Limit (MDL) (shown as a gray tone).

J - Detected above the MDL but below the Reporting Limit (RL); therefore, result is an estimated concentration.

na - not applicable

Bold - Detected analyte concentration

Screening Levels (SLs):

MDE Residential Soil Clean-up Standards (October 2018)

Screening Evaluation Notes:

Red, bold, and underline - Detected analyte concentration exceeds the respective SL.

Underline - MDL exceeds the respective SL.

Additional Screening Level Notes:

Analyte	MDE Residential Soil Standard
m+p-Xylenes	Total Xylenes
o-Xylene	Total Xylenes

Table 3
Montgomery Brothers Dump (MD-137), Inverness Drive, North East, MD
Hot Spot Refinement Study

Excavation Dewatering Pumping Test Maximum Drawdown

HSI TW-01			HSI TW-02			HSI TW-03		
Date	Time	Depth to Water (ft)	Date	Time	Depth to Water (ft)	Date	Time	Depth to Water (ft)
5/18/2021	8:17	5.18	5/18/2021	8:17	5.20	5/18/2021	8:17	6.26
5/20/2021	0:00	9.23	5/20/2021	11:01	7.83	5/20/2021	12:02	8.29
Maximum Drawdown		4.05	Maximum Drawdown		2.63	Maximum Drawdown		2.03
Distance to Pumping Well 5 feet			Distance to Pumping Well 5 feet			Distance to Pumping Well 10 feet		

HSI TW-04			HSI TW-05			MW-3		
Date	Time	Depth to Water (ft)	Date	Time	Depth to Water (ft)	Date	Time	Depth to Water (ft)
5/18/2021	8:17	4.29	5/18/2021	8:17	4.45	5/18/2021	8:17	1.73
5/20/2021	12:03	6.43	5/20/2021	15:04	6.25	5/20/2021	16:05	2.54
Maximum Drawdown		2.14	Maximum Drawdown		1.80	Maximum Drawdown		0.81
Distance to Pumping Well 10 feet			Distance to Pumping Well 15 feet			Distance to Pumping Well 42 feet		

Drawdown in Pumping Well SMP-MW-03 is > 14.26 feet with a sustainable yield of 0.14 gpm.

ATTACHMENT A

PHOTOGRAPHS OF THE NEARLY COMPLETE/COMPLETED SCE

Photo 1. View of the nearly completed Stabilized Construction Entrance (SCE) from close to Inverness Drive, looking toward the southwest.

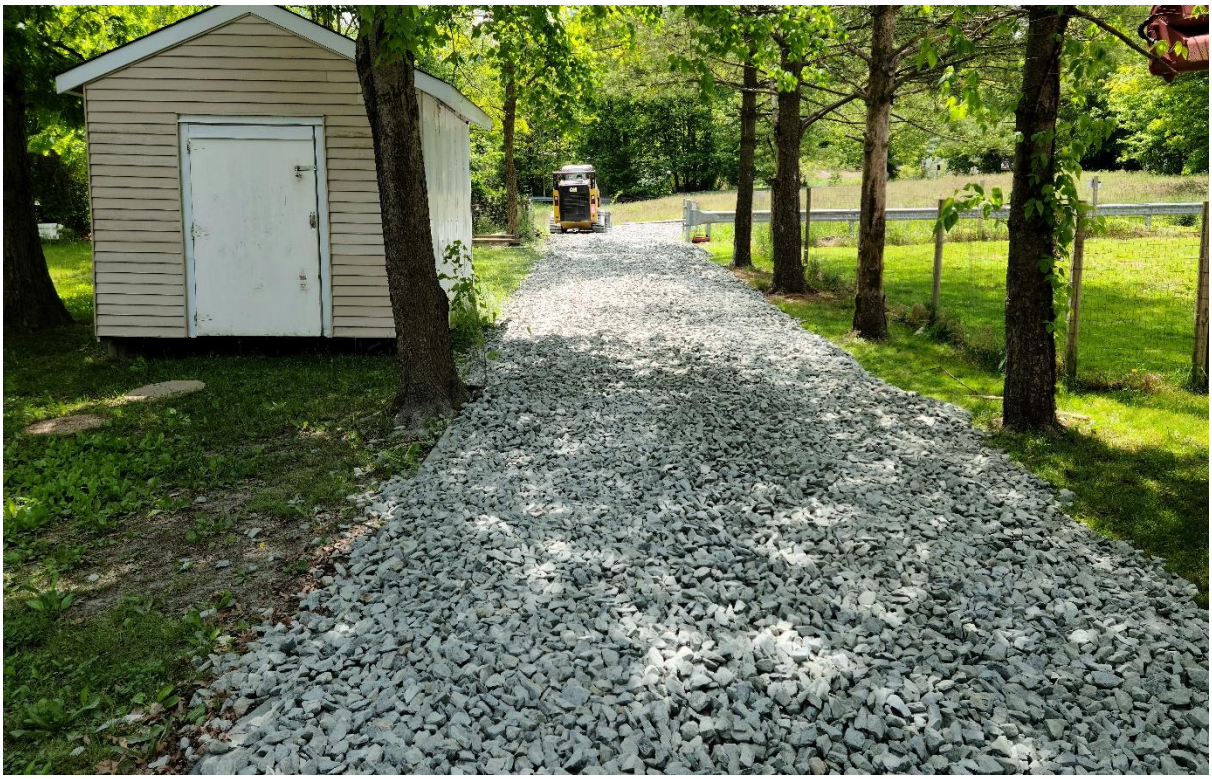


Photo 2. View of the nearly completed SCE from a mid-point, looking toward the southwest.

Photo 3. View of the nearly completed SCE from its on-site end, looking toward the northeast.

Photo 4. View of the completed SCE at the site gate, looking toward the southwest.

ATTACHMENT B

HAND WRITTEN SOIL SAMPLE SOIL BORING LOGS

PROJECT CG-09-0423.14	SOIL BORING LOG HSI-SB-11	PAGE 1 OF 2
PROJECT: Montgomery Brothers Dump - Hot Spot Refinement Study	DATE STARTED: 5/11/21	
LOCATION: Lakeside Park, North East, MD 21901 (MD-137)	DATE/TIME COMPLETED: 5/11/21 11:35	
DRILLING COMPANY: Tidewater, Inc.	LOGGED BY: Meg Staines	
DRILLING METHOD: Geoprobe 7822DT - DPT	PROJECT MANAGER: Nancy Love	
SAMPLING METHOD: Macrocore	BORING DIAMETER: 2"	BORING DEPTH: 10'
DEPTH TO GW (ft) FROM BG: — DATE: —	NOTES:	

DEPTH (ft)	PID READINGS (ppm)	RECOVERY (%)	SOIL CLASS	GRAPHIC LOG	OVERBURDEN / ROCK DESCRIPTION	NOTES
0.0	0	4'/4'	ML		Damp, stiff Clayey SILT, some Gravel lenses, little Trash. Fill.	
-1.0	0					
-2.0	0					
-3.0	0				Damp, stiff Clayey SILT, some fine to coarse SAND, some Gravel lenses, some black discoloration, some Trash. Fill.	10:15 3' sample
-4.0	0					
-5.0	0				Damp, stiff Clayey SILT, some Gravel lenses.	
-6.0	0	4'/4'	GW		Fine to coarse GRAVEL	10:20 5.75' sample
	0		ML		Damp, stiff Clayey SILT, some Gravel lenses.	
-7.0	0		SW		Damp, dense, fine to coarse SAND and fine to coarse Gravel.	
-8.0	0		ML		Damp, stiff Clayey SILT, some Gravel lenses.	10:25 7.75' sample
	0					

PROJECT CG-09-0423.14	SOIL BORING LOG HSI-SB-11	PAGE 2 OF 2

DEPTH (ft)	PID READING (ppm)	RECOVERY	SOIL CLASS	GRAPHIC LOG	OVERBURDEN / ROCK DESCRIPTION	NOTES
-9.0	0	2'/2'	ML		Slightly moist, stiff Clayey SILT; weathered bedrock (WBR) texture.	Slightly moist at 9' BG.
-10.0	0					
-11.0						
-12.0						
-13.0						
-14.0						
-15.0						
-16.0						
-17.0						
-18.0						
-19.0						
-20.0						

PROJECT CG-09-0423.14	SOIL BORING LOG HSI-SB-12	PAGE 1 OF 2
PROJECT: Montgomery Brothers Dump - Hot Spot Refinement Study	DATE STARTED: 5/11/21	
LOCATION: Lakeside Park, North East, MD 21901 (MD-137)	DATE/TIME COMPLETED: 5/11/21 14:20	
DRILLING COMPANY: Tidewater, Inc.	LOGGED BY: Meg Staines	
DRILLING METHOD: Geoprobe 7822DT - DPT	PROJECT MANAGER: Nancy Love	
SAMPLING METHOD: Macrocore	BORING DIAMETER: 2"	BORING DEPTH: 12'
DEPTH TO GW (ft) FROM BG: — DATE: —	NOTES:	

DEPTH (ft)	PID READINGS (ppm)	RECOVERY (%)	SOIL CLASS	GRAPHIC LOG	OVERBURDEN / ROCK DESCRIPTION	NOTES
0.0	0					
	1.5		ML		Clayey SILT, little Gravel, little Trash (leather, vinyl, glass, metal).	
-1.0	2.1					
	24.8	4'/4'	GP		Coarse GRAVEL	
-2.0	16.7				Clayey SILT, little Gravel, little Sand lenses. Fill.	
	18.5					
-3.0	0.4		ML			
	19.6					13:20 3.5' sample
-4.0	11.1					
	3.3					
-5.0	2.0		WOOD		Wet, soft, burned or oxidized WOOD.	Wet at 5' BG
	3.4	2.3'/4'				
-6.0	8.0				Moist, soft Clayey SILT, some Sand, little Gravel. Fill.	
	7.1		ML			
-7.0	8.8					
	3.7					
-8.0	5.4		SM		Moist, soft very fine to coarse SAND, some Silt, little Gravel. Fill.	
	3.5					

PROJECT CG-09-0423.14	SOIL BORING LOG HSI-SB-12	PAGE 2 OF 2

DEPTH (ft)	PID READING (ppm)	RECOVERY	SOIL CLASS	GRAPHIC LOG	OVERBURDEN / ROCK DESCRIPTION	NOTES
-9.0	14.2		SM		Same as above. Fill.	13:30 9' sample
	1.0		GP		Coarse quartz ~~GRAVEL~~	
-10.0	2.9	4'			Damp, ~~Stiff~~ Clayey SILT. Native.	
	1.8	4'	ML			
-11.0	8.3					
	9.9					13:40 11.5' sample
-12.0						
-13.0						
-14.0						
-15.0						
-16.0						
-17.0						
-18.0						
-19.0						
-20.0						

PROJECT CG-09-0423.14	SOIL BORING LOG HSI-SB-13	PAGE 1 OF 1
PROJECT: Montgomery Brothers Dump - Hot Spot Refinement Study	DATE STARTED: 5/11/21	
LOCATION: Lakeside Park, North East, MD 21901 (MD-137)	DATE/TIME COMPLETED: 5/11/21 12:30	
DRILLING COMPANY: Tidewater, Inc.	LOGGED BY: Meg Staines	
DRILLING METHOD: Geoprobe ~~7822~~ DT - DPT	PROJECT MANAGER: Nancy Love	
SAMPLING METHOD: Macrocore	BORING DIAMETER: 2"	BORING DEPTH: 8'
DEPTH TO GW (ft) FROM BG: — DATE: —	NOTES:	

DEPTH (ft)	PID READINGS (ppm)	RECOVERY (%)	SOIL CLASS	GRAPHIC LOG	OVERBURDEN / ROCK DESCRIPTION	NOTES
0.0	0	4'/4'	ML		Damp Clayey SILT, little fine to coarse Gravel. Fill. Discolored.	
-1.0	0					
	0				Less Gravel 1-2.5' (trace).	
-2.0	0					
	0					
-3.0	0		GP		Coarse GRAVEL. Fill. Discolored.	
	0		ML		Damp Clayey SILT. Fill. Discolored.	12:00 4' sample
-4.0	0	4'/4'				
	0					
-5.0	0		GW		GRAVEL.	
	0		ML		Clayey SILT.	
	0		GW		Quartz GRAVEL.	12:05 5.5' sample
-6.0	0				Damp, stiff Clayey SILT, little fine to coarse quartz Gravel.	
	0		ML			
-7.0	0				Lens of very fine SAND	
	0					
-8.0						

PROJECT CG-09-0423.14	SOIL BORING LOG HSI-SB-14	PAGE 1 OF 2
PROJECT: Montgomery Brothers Dump - Hot Spot Refinement Study	DATE STARTED: 5/12/21	
LOCATION: Lakeside Park, North East, MD 21901 (MD-137)	DATE/TIME COMPLETED: 5/12/21 12:57	
DRILLING COMPANY: Tidewater, Inc.	LOGGED BY: Meg Staines	
DRILLING METHOD: Geoprobe ~~7822~~ DT - DPT	PROJECT MANAGER: Nancy Love	
SAMPLING METHOD: Macrocore	BORING DIAMETER: 2"	BORING DEPTH: 20'
DEPTH TO GW (ft) FROM BG: —	DATE: —	NOTES:

DEPTH (ft)	PID READINGS (ppm)	RECOVERY (%)	SOIL CLASS	GRAPHIC LOG	OVERBURDEN / ROCK DESCRIPTION	NOTES
0.0	38.3	2.6'/4'	ML		Dry, soft SILT, some Gravel, some Sand.	
	45.0					
-1.0	31.9					
	101.3					
-2.0	478				Dry, medium stiff Clayey SILT. Fill.	
	367					
-3.0	4,850					10:45 3.5' sample
	9,030					
-4.0	3,420				Damp, medium stiff Clayey SILT.	
	5,044					
-5.0	7,190					10:55 5' sample
	4,840	3.8'/4'				
-6.0	3,496		GP		Coarse GRAVEL	
	7,471				Slightly moist, soft Clayey SILT, some Sand, trace Gravel. Fill.	11:05 6.5' sample
-7.0	3,310					
	6,781		ML			
-8.0	8,120				Moist, soft Clayey SILT, little Sand. Fill.	11:30 8' sample and Duplicate HSI-SB-D2
	1,570					

PROJECT CG-09-0423.14	SOIL BORING LOG HSI-SB-14	PAGE 2 OF 2

DEPTH (ft)	PID READING (ppm)	RECOVERY	SOIL CLASS	GRAPHIC LOG	OVERBURDEN / ROCK DESCRIPTION	NOTES
-9.0	1,158		ML		Same as above. Fill.	
	7,530				Damp, stiff Clayey very fine SAND.	11:40 10' sample
-10.0	2,100	3.7/4'				
	698		SC			
-11.0	156					
	164					
-12.0	1,915	– runup			Damp, stiff Clayey SILT, little Sand, little Gravel.	11:50 12.5' sample
	393					
-13.0	257					
	370	4/4'				
-14.0	56.5					
	70.1				Damp, stiff Clayey SILT, some Sand.	12:25 14.5' sample
-15.0	6.0					
	12.7		ML			
-16.0	144	– runup			Slightly moist, stiff Clayey SILT, little Gravel lenses.	12:35 16.5' sample
	375					
-17.0	27					
	42	3.9/4'				
-18.0	9.4				Damp, stiff Clayey SILT; weathered bedrock (WBR) texture.	12:40 18.5' sample
	12.9					
-19.0	7.5					
	1.3					
-20.0						

PROJECT CG-09-0423.14	SOIL BORING LOG HSI-SB-15	PAGE 1 OF 2
PROJECT: Montgomery Brothers Dump - Hot Spot Refinement Study	DATE STARTED: 5/12/21	
LOCATION: Lakeside Park, North East, MD 21901 (MD-137)	DATE/TIME COMPLETED: 5/12/21 17:05	
DRILLING COMPANY: Tidewater, Inc.	LOGGED BY: Meg Staines	
DRILLING METHOD: Geoprobe 7822DT - DPT	PROJECT MANAGER: Nancy Love	
SAMPLING METHOD: Macrocore	BORING DIAMETER: 2"	BORING DEPTH: 20'
DEPTH TO GW (ft) FROM BG: — DATE: —	NOTES:	

DEPTH (ft)	PID READINGS (ppm)	RECOVERY (%)	SOIL CLASS	GRAPHIC LOG	OVERBURDEN / ROCK DESCRIPTION	NOTES
0.0	0.5	4'/4'	ML		Dry, medium dense Clayey SILT, some Sand, some Gravel.	
-1.0	1.1					
	6.1					
	4.5				Damp, stiff Clayey SILT, little Sand, little Gravel. Fill.	
-2.0	16.3					
	2,980					
-3.0	198					
	3,280					14:50 3.5' sample
-4.0	120					
	2,905					
-5.0	1,419					
	7,710	3.8'/4'				15:00 5.5' sample and Duplicate HSI-SB-D3
-6.0	7,180				Moist, stiff Clayey SILT, little Sand, little Gravel. Fill.	Moist 6' BG
	732				Damp, hard Clayey SILT, some fine SAND. Native.	15:10 6' sample
-7.0	160					
	55.1					
-8.0	572					15:35 8.5' sample
	1,550					

PROJECT CG-09-0423.14	SOIL BORING LOG HSI-SB-15	PAGE 2 OF 2

DEPTH (ft)	PID READING (ppm)	RECOVERY	SOIL CLASS	GRAPHIC LOG	OVERBURDEN / ROCK DESCRIPTION	NOTES
-9.0	322		ML		Discolored black at 9.5! Damp, stiff Clayey SILT.	
	116	4'/4'				
-10.0	321				Damp, hard Clayey fine to medium SAND.	15:45 10' sample
	12.9					
-11.0	15.3		SC			
	5.7				Weathered bedrock (WBR) texture.	
-12.0	840	- runup				Moist 12-14' BG
	364		ML		Moist, stiff Clayey SILT, little Sand	16:00 12.5' sample
-13.0	287					
	96.7	4'/4'	SM		Moist, dense, fine to coarse SAND & Clayey SILT.	16:10 14' sample
-14.0	29.3					
	7.9					
-15.0	9.4				Damp, hard Clayey SILT; WBR texture.	
	2.1					
-16.0	2,120	- runup				16:25 16.5' sample
	221				Damp, stiff Clayey SILT, some Sand; WBR texture.	
-17.0	101		ML			
	14.8	4'/4'				
-18.0	2.7					16:35 18.5' sample
	6.2					
-19.0	1.3				Damp, stiff Clayey SILT.	
	1.3					
-20.0						

HSI-SB-16

PROJECT CG-09-0423.14	TEMP. WELL CONSTR. LOG HSI-TW-01	PAGE 1 OF 2
PROJECT: Montgomery Brothers Dump - Hot Spot Refinement Study	DATE STARTED: 5/13/21	
LOCATION: Lakeside Park, North East, MD 21901 (MD-137)	DATE/TIME COMPLETED: 5/13/21 12:30	CGS Chesapeake GeoSciences, Inc.
DRILLING COMPANY: Tidewater, Inc.	LOGGED BY: Meg Staines	
DRILLING METHOD: Geoprobe 7822DT - DPT	PROJECT MANAGER: Nancy Love	
SAMPLING METHOD: Macrocore	WELL DIAMETER: 1"	WELL DEPTH: 20'
DEPTH TO GW (ft) FROM BG: 5.18 DATE: 5/18/21	BORING DIAMETER: 2"	BORING DEPTH: 20'

DEPTH (ft)	PID READINGS (PPM)	RECOVERY (%)	SOIL CLASS	GRAPHIC LOG	OVERBURDEN / ROCK DESCRIPTION	NOTES	WELL COMPLETION LOG
0.0	0.4	3'/4'	ML		Dry, soft Clayey SILT, some Gravel.		Bentonite seal 0-4' BG
	0						
	0.7						
	34.6						
-2.0	86.7				Damp, stiff Clayey SILT, trace Gravel.		1" PVC riser pipe 0-5' BG
	541						
	1,520					10:40 3.5' sample	
	5,082						
-4.0	510	4'/4'					
	1,610					Moist at 4.5' BG	
	3,532				Moist, stiff Clayey SILT, little Gravel.	10:50 5' sample	
	1,070						
-6.0	207					10:55 6' sample	
	92.2						Sand filter pack 4-20' BG.
	34				Damp, very stiff, slightly plastic Silty CLAY.		
	9.8						
-8.0	2,480 – pump		CL			11:20 8.5' sample	
	156						

HSI-SB-16

PROJECT CG-09-0423.14	TEMP. WELL CONSTR. LOG HSI-TW-01	PAGE 2 OF 2

DEPTH (ft)	PID READING (ppm)	RECOVERY (%)	SOIL CLASS	GRAPHIC LOG	OVERBURDEN / ROCK DESCRIPTION	NOTES	WELL COMPLETION LOG
-10.0	91.2		CL		Same as above.		
	18.8	4/4'	ML/CL		Damp, stiff SILT & CLAY	11:25 10' sample	
	22.5		GW		Fine to coarse GRAVEL		
	5.9				Damp, stiff Clayey SILT, some Sand; Weathered bedrock (WBR) texture.		1" PVC 10-slot screen 5-20' BG
	8.0						
-12.0	5.2		ML				
	45.9	runup				11:35 11.5' sample	
	126						
	51.5						
-14.0	85.1	4/4'				11:40 14' sample	
	50.4				Damp, stiff Silty CLAY, trace Gravel.		
	12.1						
	3.5						
-16.0	2.3		CL				
	48.6	runup					
	1.4						
	6.0					12:10 17.5' sample	
-18.0	6.7	4/4'					
	5.4				Damp, stiff Clayey SILT; WBR texture.		
	1.5		ML				Bottom cap 20' BG
	7.8					12:20 19.5' sample	
-20.0	10.3						

HSI-SB-17

PROJECT CG-09-0423.14	TEMP. WELL CONSTR. LOG HSI-TW-02	PAGE 1 OF 2
PROJECT: Montgomery Brothers Dump - Hot Spot Refinement Study	DATE STARTED: 5/12/21	CGS Chesapeake GeoSciences, Inc.
LOCATION: Lakeside Park, North East, MD 21901 (MD-137)	DATE/TIME COMPLETED: 5/12/21 14:08	
DRILLING COMPANY: Tidewater, Inc.	LOGGED BY: Meg Staines	
DRILLING METHOD: Geoprobe ~~7822~~ DT - DPT	PROJECT MANAGER: Nancy Love	
SAMPLING METHOD: Macrocore	WELL DIAMETER: 1"	WELL DEPTH: 20'
DEPTH TO GW (ft) FROM BG: 5.20 DATE: 5/18/21	BORING DIAMETER: 2"	BORING DEPTH: 20'

DEPTH (ft)	PID READINGS (PPM)	RECOVERY (%)	SOIL CLASS	GRAPHIC LOG	OVERBURDEN / ROCK DESCRIPTION	NOTES	WELL COMPLETION LOG
0.0	0.2				Damp, soft Clayey SILT, little Trash, trace Gravel.	Moved 1' closer to guardrail because no recovery 0-8'BG in original location.	Bentonite seal 0-4'BG
	0.1						
	0						
	0.5	3.9'/4'					
-2.0	0.2				Medium stiff 2-4'BG		1" PVC riser pipe 0-5'BG
	0						
	0.2						
	1.0						
-4.0	—		ML		Damp, med. stiff Clayey SILT, some Trash (cloth, vinyl, other), trace Gravel. Fill.		
	—						
	0						
	0.7	3'/4'					Sand filter pack 4-20' BG
-6.0	0				Damp, stiff Clayey SILT, some Sand, some Trash (rubber, fake leather, other). Fill.		
	0						
	1.1						
	1.0						
-8.0	0	← runup					
	0.1						

HSI-SB-17

PROJECT CG-09-0423.14	TEMP. WELL CONSTR. LOG HSI-TW-02	PAGE 2 OF 2

DEPTH (ft)	PID READING (ppm)	RECOVERY (%)	SOIL CLASS	GRAPHIC LOG	OVERBURDEN / ROCK DESCRIPTION	NOTES	WELL COMPLETION LOG
	0				Damp, stiff Clayey SILT, little Gravel lenses.		
	0.4	4'/4'	ML				
-10.0	0.9						1" PVC 10-slot screen 5-20' BG
	0.8						
	0.5		GW/GM		Damp, dense, fine to coarse GRAVEL, some Clayey SILT.		
	2.2						
-12.0	0.1	runup			Damp, stiff Clayey SILT, little Sand, little Gravel.		
	3.2		ML				
	0.6						
	0.7	3.8'/4'					
-14.0	1.3		GP/GM		Coarse GRAVEL, and Clayey Silt.		
	0.7		ML		Damp, stiff Clayey SILT, little Sand, little Gravel.		
	2.3						
	3.3		GP		Damp, dense, coarse GRAVEL, some Sand, little Silt.		
-16.0	1.9				Wet, soft Clayey SILT, little Gravel.	Wet 16-17' BG Moist 17-18' BG	
	1.5		ML				
	1.2						
	0.8	4'/4'					
-18.0	2.3		GW		Fine to coarse GRAVEL.		
	0.8		ML		Damp, stiff Clayey SILT, some Sand; weathered bedrock (WBR) texture.		
	0.5						Bottom cap 20' BG
-20.0	1.6						

HSI-SB-18

PROJECT CG-09-0423.14	TEMP. WELL CONSTR. LOG HSI-TW-03	PAGE 1 OF 2
PROJECT: Montgomery Brothers Dump - Hot Spot Refinement Study	DATE STARTED: 5/13/21	
LOCATION: Lakeside Park, North East, MD 21901 (MD-137)	DATE/TIME COMPLETED: 5/13/21 13:46	CGS Chesapeake GeoSciences, Inc.
DRILLING COMPANY: Tidewater, Inc.	LOGGED BY: Meg Staines	
DRILLING METHOD: Geoprobe ~~7822~~ DT - DPT	PROJECT MANAGER: Nancy Love	
SAMPLING METHOD: Macrocore	WELL DIAMETER: 1"	WELL DEPTH: 20'
DEPTH TO GW (ft) FROM BG: 6.26 DATE: 5/18/21	BORING DIAMETER: 2"	BORING DEPTH: 20'

DEPTH (ft)	PID READINGS (PPM)	RECOVERY (%)	SOIL CLASS	GRAPHIC LOG	OVERBURDEN / ROCK DESCRIPTION	NOTES	WELL COMPLETION LOG
0.0	0	3.5'/4'	ML		Damp, medium ~~stiff~~ Clayey SILT, little Gravel, little Sand, trace Trash.		Bentonite seal 0-4' BG
	0						
	0						
	0						1" PVC riser pipe 0-5' BG
-2.0	0						
	1.5						
	3.8				Damp, med. stiff Clayey SILT, trace Trash. Fill.		
	8.9						
-4.0	4.0	4'/4'					
	5.2						
	3.7				Moist, soft Clayey SILT.	Moist 5-5.5' BG	
	16.2		GM		Fine to coarse GRAVEL, some SILT.		
-6.0	22.4				Damp, stiff Sandy CLAY, little Gravel.		Sand filter pack 4-20' BG
	3.6						
	3.3		CL				
	7.5						
-8.0	12.0						
	11.3						

HSI-SB-18

PROJECT CG-09-0423.14	TEMP. WELL CONSTR. LOG HSI-TW-03	PAGE 2 OF 2

DEPTH (ft)	PID READING (ppm)	RECOVERY (%)	SOIL CLASS	GRAPHIC LOG	OVERBURDEN / ROCK DESCRIPTION	NOTES	WELL COMPLETION LOG
-10.0	36.7	4'/4'	ML		Damp, stiff Clayey SILT, little Gravel.		1" PVC 10-slot screen 5-20' BG
	0.9		GP		Coarse GRAVEL.		
	1.2				Damp, stiff Clayey SILT.		
	4.8						
	7.8						
	5.0						
-12.0	4.9	4'/4'					
	6.3						
	9.9						
	8.0						
-14.0	7.6						
	5.9		ML		Damp, stiff Clayey SILT, some weathered bedrock (WBR) fragments; WBR texture.		
	0.2						
	0.3						
-16.0	1.8	4'/4'			Damp, stiff Clayey SILT, little WBR fragments; WBR texture.		
	1.2						
	1.2						
	0						
-18.0	1.9						
	2.7						
	0.6						Bottom cap 20' BG
-20.0	1.6						

HSI-SB-19

PROJECT CG-09-0423.14	TEMP. WELL CONSTR. LOG HSI-TW-04	PAGE 1 OF 2
PROJECT: Montgomery Brothers Dump - Hot Spot Refinement Study	DATE STARTED: 5/13/21	
LOCATION: Lakeside Park, North East, MD 21901 (MD-137)	DATE/TIME COMPLETED: 5/13/21 14:45	
DRILLING COMPANY: Tidewater, Inc.	LOGGED BY: Meg Staines	
DRILLING METHOD: Geoprobe 7822DT - DPT	PROJECT MANAGER: Nancy Love	
SAMPLING METHOD: Macrocore	WELL DIAMETER: 1"	WELL DEPTH: 20'
DEPTH TO GW (ft) FROM BG: 4.29 DATE: 5/18/21	BORING DIAMETER: 2"	BORING DEPTH: 20'

DEPTH (ft)	PID READINGS (PPM)	RECOVERY (%)	SOIL CLASS	GRAPHIC LOG	OVERBURDEN / ROCK DESCRIPTION	NOTES	WELL COMPLETION LOG
0.0	0	3.6'/4'	ML		Damp, stiff Clayey SILT. Discolored grey + black. Bits of clay cap at 1.5' BG		Bentonite seal 0-4' BG; 1" PVC riser pipe 0-5' BG
-2.0	0		GP		Coarse quartz GRAVEL.		
	0		ML		Clayey SILT. Fill.		
	0		SW		Fine to coarse SAND, and Gravel		
-4.0	1		SW/SC		Damp, dense, fine to coarse SAND, some Sandy Clay lenses.	Poor recovery 4-8' BG	
	1	1.3'/4'			Damp, stiff Clayey SILT		Sand filter pack 4-20' BG
-6.0	1						
	0		ML				
	0						
-8.0	0						
	0.2				Damp, stiff Clayey SILT		
	1.9						

HSI-GB-19

PROJECT CG-09-0423.14	TEMP. WELL CONSTR. LOG HSI-TW-04	PAGE 2 OF 2

DEPTH (ft)	PID READING (ppm)	RECOVERY (%)	SOIL CLASS	GRAPHIC LOG	OVERBURDEN / ROCK DESCRIPTION	NOTES	WELL COMPLETION LOG
	2.8		ML		Damp, stiff Clayey SILT.		
	2.9		GP		Coarse quartz GRAVEL.		
-10.0	2.6	4'/4'	ML		Damp, stiff Clayey SILT, little Gravel lenses.		1" PVC 10-slot screen: 5-20' BG
	1.9						
	2.9						
	4.5		GP		Damp, dense, coarse quartz GRAVEL, little Clayey Silt.		
-12.0	2.0		ML		Moist, stiff Clayey SILT	Moist at 12' BG	
	6.4						
	6.2		GP/GM		Damp, dense, fine GRAVEL, some Clayey Silt lenses.		
	5.6	4'/4'					
-14.0	4.3		GW		Fine to coarse quartz GRAVEL.		
	2.1				Damp, stiff Clayey SILT.		
	1.5						
	1.5		GP		Coarse GRAVEL.		
-16.0	2.7				Moist, soft Clayey SILT, some Gravel lenses.	Moist at 16' BG	
	1.5						
	2.5						
	2.4	4'/4'	ML		Damp, stiff Clayey SILT, little Sand.		
-18.0	1.4						
	1.1						
	1.1						Bottom cap 20' BG
-20.0	0.3						

HSI-SB-20

PROJECT CG-09-0423.14	TEMP. WELL CONSTR. LOG HSI-TW-05	PAGE 1 OF 2
PROJECT: Montgomery Brothers Dump - Hot Spot Refinement Study	DATE STARTED: 5/14/21	CGS Chesapeake GeoSciences, Inc.
LOCATION: Lakeside Park, North East, MD 21901 (MD-137)	DATE/TIME COMPLETED: 5/14/21 10:00	
DRILLING COMPANY: Tidewater, Inc.	LOGGED BY: Meg Staines	
DRILLING METHOD: Geoprobe 7822DT - DPT	PROJECT MANAGER: Nancy Love	
SAMPLING METHOD: Macrocore	WELL DIAMETER: 1"	WELL DEPTH: 20'
DEPTH TO GW (ft) FROM BG: 4.45 DATE: 5/18/21	BORING DIAMETER: 2"	BORING DEPTH: 20'

DEPTH (ft)	PID READINGS (PPM)	RECOVERY (%)	SOIL CLASS	GRAPHIC LOG	OVERBURDEN / ROCK DESCRIPTION	NOTES	WELL COMPLETION LOG
0.0	0	4'/4'	OL		Clayey SILT, little Sand & Gravel, some Organics.		Bentonite seal 0-4' BG
	0						
	0				Damp, dense, Clayey fine to coarse SAND, little Gravel.		
	0						
-2.0	0						1" PVC riser pipe 0-5' BG
	0		SC				
	0						
-4.0	0						
	0						
	0						
	0	4'/4'	GP		Dry, loose, coarse GRAVEL.		
-6.0	0.3		GW		Damp, dense, fine to coarse GRAVEL, some Clayey Sand.		Sand filter pack 4-20' BG
	0.1						
	0.8				Damp, stiff Clayey SILT, some Sand.		
	0.9		ML				
-8.0	1.9						
	0.7						

HSI-SB-20

PROJECT CG-09-0423.14	TEMP. WELL CONSTR. LOG HSI-TW-05	PAGE 2 OF 2

DEPTH (ft)	PID READING (ppm)	RECOVERY (%)	SOIL CLASS	GRAPHIC LOG	OVERBURDEN / ROCK DESCRIPTION	NOTES	WELL COMPLETION LOG
-10.0	0.3	4'/4'	GP		Coarse quartz GRAVEL.		
			ML		Clayey SILT.		
	2.4		GP		Coarse quartz GRAVEL.		
	1.3				Damp, stiff Clayey SILT, some Sand.		1" PVC 10-slot screen 5-20' BG
	1.4						
	1.8						
	1.4						
-12.0	0.2	4'/4'				Moist 12.5-13' BG	
	0.9						
	4.5						
	6.6						
-14.0	4.7		ML		Damp, stiff Clayey SILT, some Sand, weathered bedrock (WBR) texture.		
	2.8						
	1.6						
	3.4						
-16.0	0	4'/4'	runup		16-19' BG	Top 3' of Macro-core was runup	
	0.1						
	1.9						
	2.5						
-18.0	3.8				Damp, stiff Clayey SILT, some Sand, WBR texture.		
	1.1						
	2.2						Bottom cap 20' BG
	6.1						
-20.0							

PROJECT CG-09-0423.14	SOIL BORING LOG HSI-SB-21	PAGE 1 OF 2
PROJECT: Montgomery Brothers Dump - Hot Spot Refinement Study	DATE STARTED: 5/11/21	
LOCATION: Lakeside Park, North East, MD 21901 (MD-137)	DATE/TIME COMPLETED: 5/11/21 17:00	
DRILLING COMPANY: Tidewater, Inc.	LOGGED BY: Meg Staines	
DRILLING METHOD: Geoprobe ~~7822~~ DT - DPT	PROJECT MANAGER: Nancy Love	
SAMPLING METHOD: Macrocore	BORING DIAMETER: 2"	BORING DEPTH: 20'
DEPTH TO GW (ft) FROM BG: — DATE: —	NOTES:	

DEPTH (ft)	PID READINGS (ppm)	RECOVERY (%)	SOIL CLASS	GRAPHIC LOG	OVERBURDEN / ROCK DESCRIPTION	NOTES
0.0	0	3.3'/4'	ML		Damp Clayey SILT, some Sand, little Gravel. Fill. Little wood, little burned debris, trace trash.	
	0					
-1.0	0					
	0.1					
-2.0	1.0					
	0					
-3.0	0					
	0					
-4.0	0					14:50 4' sample
	0		SC		Damp, stiff Clayey fine to medium SAND. Fill.	
-5.0	0		GW		GRAVEL.	
	0.1				Damp, stiff Clayey SILT, little Gravel. Fill.	
-6.0	0	4'/4'				
	1.3		ML			15:00 6.5' sample
	4.4				Damp, stiff Clayey SILT, some Sand, little Gravel. Fill.	
-7.0	2.7					15:10 7.5' sample
	5.6		GP		Coarse GRAVEL.	
-8.0	2.7		SC		Damp, dense, Clayey very fine SAND. Native.	
	0.8					

PROJECT CG-09-0423.14	SOIL BORING LOG HSI-SB-21	PAGE 2 OF 2

DEPTH (ft)	PID READING (ppm)	RECOVERY	SOIL CLASS	GRAPHIC LOG	OVERBURDEN / ROCK DESCRIPTION	NOTES
-9.0	6.2		SC		Damp, dense, Clayey very fine SAND, little Gravel.	
	3.2	4'/4'			Damp, stiff Clayey SILT, some Sand.	Odor 15:40 10.5' sample
-10.0	10.1					
	11.3					15:50 11' sample and Duplicate HSI-SB-D1
-11.0	31.5					
	6.8					
-12.0	9.8	runup			Damp, stiff Clayey SILT; weathered bedrock (WBR) texture.	Odor
	5.7					
-13.0	0.6		ML			16:00 13.5' sample
	2.9	4'/4'				
-14.0	2.8					
	2.7					
-15.0	3.4				Slightly moist 15.5-16'	
	7.1					
-16.0	17.0	runup			Moist, medium stiff Clayey SILT; WBR texture.	Moist 16-18' BG
	20.5					
-17.0	5.3					Odor
	1.6	4'/4'				
-18.0	2.1		SM		Slightly moist, medium dense, fine to coarse SAND & SILT.	
	0					
-19.0	0.7		ML		Slightly moist, medium stiff Clayey SILT.	
	4.2					
-20.0						

ATTACHMENT C

IDW DISPOSAL DOCUMENTS

Cycle Chem, Inc
217 South First Street
Elizabeth, NJ 07206
Phone: (908) 355-5800
Fax: (908) 355-0562

550 Industrial Dr.
Lewisberry, PA 17339
Phone: (717) 938-4700
Fax: (717) 938-3301

ACV ENVIRO

Material Profile Sheet
ACCT #39315
PROFILE NUMBER 151600
APPROVAL CODE: WR3

A. Generator Information

Generator Name MONTGOMERY BROTHERS DUMP SITE (MD0137) **Generator EPA ID** MDR000527800
Mailing Address AGENT FOR UNKNOWN GENERATOR BALTIMORE, MD 21230
Site Address N/A INVERNESS DRIVE NORTH EAST, MD 21901
Generator Contact Brain Dietz **Phone #** 4105373488 **Fax #**

Billing Company ACV BALTIMORE (PA BILL)
Billing Address 2931 WHITTINGTON AVE BALTIMORE, MD 21230
Billing Contact Dave Roesler **Phone #** 410-368-9170 **Fax #**

Name of Waste Contaminated Water (Smp-Mw-03) **Process Generating Waste** Pumping Test Well Smp-Mw-03

B. Physical Characteristics of Waste

Specific Gravity SP.GR. **pH**

% Sludge % **% Suspended Solids** % **% Solid/Debris** % **% Liquid** 100

Flash Point F **Dumpable** YES **Pumpable** YES **Pourable** YES

Odor moderate **Color** clear

C. Shipping Information

Quantity:
Container Spec:

D. Transport Information

- ☐ **CCI to Provide Transportation**
- ☐ **Customer to Deliver to CCI**
- ☐ **Customer to Deliver to end facility Via CCI**

E. Chemical Composition

Description	(Range Total > or = 100%) or ppm	
Benzene	= 5	
Chlorobenzene	= 5	
Dichloroethene	= 5	
Tce	1 =	%
Tce-Pce	= 5	
Water	= 99	
Water	99 =	%

F. Regulatory Information

EPA Hazardous Waste?: YES **USEPA Code(s):** D028; D040

Applicable Subcategories:
State Regulated Waste?: NO **State Code(s):**
D.O.T. Hazardous Waste?: Yes **Proper Shipping Name:** NA3082, Hazardous waste, liquid, n.o.s. (TCE), 9 , III
Hazard Class/Division #: 9 **UN / NA #:** NA3082 **Packing Group:** III **RQ:**

G. Other Hazardous Characteristics

- ☐ **RCRA Reactive**
- ☐ **Radioactive**
- ☐ **Etiological**
- ☐ **TSCA Regulated**
- ☐ **Pyrophoric**
- ☐ **Water Reactive**
- ☐ **Subject to Subart FF Benzene**
- ☐ **Oxidizer**
- ☐ **Explosive**
- ☐ **PCB's**
- ☐ **Cyanides**
- ☐ **Phenolics**
- ☐ **Sulfides**
- ☐ **VOC's**

- ☒ **Is this waste characteristically hazardous (EPA Waste Codes D004-D043)**
- ☐ **Does this waste contain underlying hazardous constituents as defined in 40 CFR 268(2)(I) at concentrations exceeding the UTS treatment standards? If yes , list in Secti**

GENERATOR CERTIFICATION: I hereby certify that all information submitted in this and attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. If CCI discovers, after having taken delivery of the waste, that any waste does not conform to the identification and description on this MPS then CCI shall provide notice of such condition to the generator and coordinate the return of the non-conforming waste to the point of origin as set forth on the manifest or to such other locations designated in writing by the generator. Generator agrees to reimburse CCI for all handling, packaging, clean-up and transportation costs or charges, damage to equipment, and costs associated with lost time incurred by CCI during the receipt, handling, temporary storage and return of such non-conforming waste to point of origin or to such other location designated by generator. I hereby authorize CCI to amend and/or correct any information on the MPS with the full understanding that if any amendment or correction is performed, I will be contacted as such to issue any approval.

AUTHORIZED SIGNATURE: Brian Dietz **TITLE:** Division Chief **DATE:** 5/19/21

ACV Approval: _____ Signature: _____ Date: _____ Form Code: _____
Printed Name

GENERATOR'S AUTHORIZATION LETTER

Generator Information:

Company Name: Maryland Department of the Environment (MDE) (agent for unknown generator)
Facility Address: Montgomery Brothers Dump Site
City, State, Zip: Inverness Drive, North East, MD 21901
Telephone #: 410-537-3488

RE: Authorization to sign "On Behalf Of" MDE
Generator Company Name

This letter affirms that ACV Enviro is authorized to sign "on behalf of" the generator named above on all waste management documents required for the contracted waste services. This authorization includes, but is not limited to, manifests, bills of lading, material profile sheets and land disposal notifications. The words "On behalf of" are to be added in the appropriate area after the signature of the ACV Enviro representative.

It is acknowledged that, when signing any documents under this authorization "on behalf of" the generator named above, ACV Enviro assumes none of the generator's responsibility or liability associated with such signature, and that the generator retains all responsibility or liability as the generator of the material.

By signing this Generator's Authorization Letter, I hereby certify that I am fully authorized by MDE to sign this letter.
Generator Company Name

Signature: Brian Dietz
Printed Name: Brian Dietz
Title: Chief, State Assessment and Remediation Division
Land Restoration Program
Date: May 19, 2021

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
MDR000527800	1	410-368-9170	023047012 JJK

GENERATOR

5. Generator's Name and Mailing Address
MARYLAND DEPARTMENT OF THE ENVIRONMENT
AGENT FOR UNKNOWN GENERATOR 1800 WASHINGTON B
BALTIMORE, MD 21230
Generator's Phone: 410-537-3488

Generator's Site Address (if different than mailing address)
MONTGOMERY BROTHERS DUMP SITE (MD0137)
N/A INVERNESS DRIVE
NORTH EAST, MD 21901

6. Transporter 1 Company Name
ACV ENVIRONMENTAL SERVICES, INC
U.S. EPA ID Number
NJD003812047

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
CYCLE CHEM, INC
550 INDUSTRIAL DRIVE
ELIZABETHTOWN, PA 17339
Facility's Phone: 717-938-4700
U.S. EPA ID Number
PAD087098822

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3082, Hazardous waste, liquid, n.o.s. (TCE), 9, III	XX1	TT	~~200~~ ~~550~~	G ~~P~~	~~D029~~	~~D040~~	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
D83360 SO 85934 SFSO#MD 109035
1) 151600 CONTAMINATED WATER (SMP-MW-03) (1 x 5000) (x) (x) (x)

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
		5	21	21

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
		5	21	21
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. H141	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year
		5	31	21

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

TRANSPORTER COPY

ATTACHMENT D

FULL LABORATORY ANALYTICAL DATA TABLES

Table D-1
Montgomery Brothers Dump (MD-137), Inverness Drive, North East, MD
Hot Spot Refinement Study

Subsurface Soil Sample Analytical Results
May 11-13, 2021
Volatile Organic Compounds (VOCs)

Sample ID	HSI-SB-11 (3')	HSI-SB-11 (5.75')	HSI-SB-11 (7.75')	HSI-SB-12 (3.5')	HSI-SB-12 (9')	HSI-SB-12 (11.5')	HSI-SB-13 (4')	HSI-SB-13 (5.5')	MDE Residential Soil Standards
Dilution Factor	**67**	**1**	**1**	**67**	**71**	**1**	**1**	**1**	
Sample Collection Date	**05/11/21**	**05/11/21**	**05/11/21**	**05/11/21**	**05/11/21**	**05/11/21**	**05/11/21**	**05/11/21**	
Analyte Name	**Concentration (mg/kg)**								
1,1,1-Trichloroethane	0.028 U	0.00080 U	0.00075 U	0.029 U	0.031 U	0.0011 U	0.00080 U	0.00078 U	8.1E+02
1,1,2,2-Tetrachloroethane	**0.85**	**0.0041**	**0.0033**	0.036 U	0.039 U	0.00054 U	**0.17**	**0.0280**	6.0E-01
1,1,2-Trichloro-1,2,2-trifluoroethane	0.057 U	0.0012 U	0.0011 U	0.058 U	0.064 U	0.0017 U	0.0012 U	0.0012 U	na
1,1,2-Trichloroethane	**0.22**	**0.0014** J	**0.0012** J	0.026 U	0.028 U	0.00055 U	**0.035**	**0.0120**	1.5E-01
1,1-Dichloroethane	0.034 U	0.00075 U	0.00071 U	0.034 U	0.038 U	**0.0013** J	0.00075 U	0.00073 U	3.6E+00
1,1-Dichloroethene	0.042 U	0.00099 U	0.00093 U	0.043 U	0.047 U	0.0014 U	0.0010 U	0.00097 U	2.3E+01
1,2,3-Trichlorobenzene	0.062 U	0.00048 U	0.00045 U	0.063 U	0.069 U	0.00066 U	0.00048 U	0.00046 U	na
1,2,4-Trichlorobenzene	0.057 U	0.00055 U	0.00051 U	0.058 U	0.064 U	0.00075 U	0.00055 U	0.00053 U	5.8E+00
1,2-Dibromo-3-chloropropane	0.066 U	0.00048 U	0.00045 U	0.067 U	0.073 U	0.00066 U	0.00048 U	0.00046 U	5.3E-03
1,2-Dibromoethane	0.027 U	0.00042 U	0.00040 U	0.027 U	0.030 U	0.00059 U	0.00042 U	0.00041 U	3.6E-02
1,2-Dichlorobenzene	0.025 U	0.00044 U	0.00041 U	0.026 U	0.028 U	0.00061 U	0.00044 U	0.00043 U	1.8E+02
1,2-Dichloroethane	0.050 U	0.00035 U	0.00033 U	0.051 U	0.056 U	0.00049 U	**0.00093** J	**0.00050** J	4.6E-01
1,2-Dichloropropane	0.024 U	0.00071 U	0.00067 U	0.024 U	0.026 U	0.00098 U	0.00071 U	0.00069 U	1.6E+00
1,3-Dichlorobenzene	0.030 U	0.00048 U	0.00045 U	0.030 U	0.033 U	0.00066 U	0.00048 U	0.00046 U	na
1,4-Dichlorobenzene	0.029 U	0.00046 U	0.00043 U	0.029 U	0.032 U	0.00064 U	0.00046 U	0.00045 U	2.6E+00
1,4-Dioxane	3.1 U	0.042 U	0.039 U	3.1 U	3.5 U	0.058 U	0.042 U	0.041 U	na
2-Butanone	0.059 U	0.0010 U	0.00097 U	0.060 U	0.066 U	0.0014 U	0.0010 U	0.0010 U	2.7E+03
2-Hexanone	0.047 U	0.00074 U	0.00069 U	0.048 U	0.053 U	0.0010 U	0.00074 U	0.00072 U	na
4-Methyl-2-pentanone	**0.090**	0.00050 U	0.00047 U	0.039 U	0.043 U	0.00069 U	0.00050 U	0.00049 U	3.3E+03
Acetone	0.36 U	0.0059 U	0.0055 U	0.37 U	0.40 U	**0.021**	**0.0086** J	0.0057 U	6.1E+03
Benzene	0.023 U	0.00063 U	0.00059 U	0.024 U	**0.040** J	**0.021**	0.00063 U	0.00062 U	1.2E+00
Bromochloromethane	0.062 U	0.00061 U	0.00057 U	0.063 U	0.069 U	0.00084 U	0.00061 U	0.00059 U	na
Bromodichloromethane	0.027 U	0.00041 U	0.00038 U	0.028 U	0.030 U	0.00056 U	0.00041 U	0.00040 U	2.9E-01
Bromoform	0.043 U	0.00029 U	0.00027 U	0.043 U	0.047 U	0.00040 U	0.00029 U	0.00028 U	1.9E+01
Bromomethane	0.040 U	0.0014 U	0.0013 U	0.040 U	0.044 U	0.0019 U	0.0014 U	0.0013 U	6.8E-01
Carbon disulfide	0.033 U	0.0029 U	0.0028 U	0.034 U	0.037 U	0.0041 U	0.0029 U	0.0029 U	7.7E+01
Carbon tetrachloride	0.025 U	0.00084 U	0.00079 U	0.026 U	0.028 U	0.0012 U	0.00084 U	0.00082 U	6.5E-01
Chlorobenzene	**0.19**	**0.00085** J	**0.0068**	**2.9**	**2.7**	**0.55**	**0.0024**	0.00052 U	2.8E+01
Chloroethane	0.046 U	0.0017 U	0.0016 U	0.046 U	0.051 U	0.0023 U	0.0017 U	0.0016 U	1.4E+03
Chloroform	0.15 U	0.0012 U	0.0011 U	0.16 U	0.17 U	0.0016 U	0.0012 U	0.0011 U	3.2E-01
Chloromethane	0.041 U	0.0011 U	0.0010 U	0.041 U	0.045 U	0.0015 U	0.0011 U	0.0010 U	1.1E+01
cis-1,2-Dichloroethene	0.050 U	0.00070 U	0.00066 U	0.051 U	0.056 U	**0.003**	**0.0028**	**0.0010** J	1.6E+01
cis-1,3-Dichloropropene	0.025 U	0.00046 U	0.00043 U	0.026 U	0.028 U	0.00064 U	0.00046 U	0.00045 U	na
Cyclohexane	0.038 U	0.0010 U	0.00097 U	0.039 U	0.043 U	0.0014 U	0.0010 U	0.0010 U	na
Dibromochloromethane	0.019 U	0.00037 U	0.00035 U	0.019 U	0.021 U	0.00052 U	0.00037 U	0.00036 U	8.3E+00
Dichlorodifluoromethane	0.049 U	0.0012 U	0.0011 U	0.050 U	0.054 U	0.0017 U	0.0012 U	0.0012 U	na
Ethylbenzene	0.037 U	0.00060 U	0.00056 U	**0.16**	**0.24**	**0.0036**	0.00060 U	0.00058 U	5.8E+00
Isopropylbenzene	0.039 U	0.00072 U	0.00067 U	0.039 U	**0.051** J	**0.0017**	0.00072 U	0.00070 U	1.9E+02
m&p-Xylenes	**0.10**	0.0010 U	0.00097 U	**0.41**	**0.69**	0.0014 U	0.0010 U	0.0010 U	5.8E+01
Methyl Acetate	**0.48**	0.00083 U	0.00078 U	0.056 U	0.062 U	0.0012 U	0.00083 U	0.00081 U	na
Methylcyclohexane	0.048 U	0.00078 U	0.00073 U	0.049 U	0.054 U	0.0011 U	0.00078 U	0.00076 U	na
Methylene chloride	0.023 U	0.00065 U	0.00061 U	0.024 U	0.026 U	**0.0037**	0.00065 U	0.00063 U	3.5E+01
Methyl-t-butyl ether	0.025 U	0.00047 U	0.00044 U	0.025 U	0.027 U	**0.0012** J	0.00047 U	0.00046 U	4.7E+01
o-Xylene	0.054 U	0.00061 U	0.00058 U	**0.10**	**0.21**	0.00085 U	0.00062 U	0.00060 U	5.8E+01
Styrene	0.043 U	0.00048 U	0.00045 U	0.043 U	0.048 U	0.00066 U	0.00048 U	0.00046 U	6.0E+02
Tetrachloroethene	**0.18**	0.00085 U	0.00080 U	0.029 U	0.031 U	0.0012 U	**0.0046**	0.00083 U	8.1E+00
Toluene	**0.17**	0.00057 U	0.00054 U	**0.29**	**0.078** J	0.00079 U	0.00057 U	0.00056 U	4.9E+02
trans-1,2-Dichloroethene	0.024 U	0.0010 U	0.00097 U	0.025 U	0.027 U	0.0014 U	0.0010 U	0.0010 U	1.6E+02
trans-1,3-Dichloropropene	0.024 U	0.00041 U	0.00038 U	0.025 U	0.027 U	0.00056 U	0.00041 U	0.00040 U	na
Trichloroethene	**0.11**	0.00071 U	0.00067 U	0.028 U	0.030 U	0.00098 U	**0.0064**	0.00069 U	4.1E-01
Trichlorofluoromethane	0.024 U	0.0010 U	0.00096 U	0.025 U	0.027 U	0.0014 U	0.0010 U	0.0010 U	na
Vinyl chloride	0.056 U	0.0011 U	0.00099 U	0.057 U	0.062 U	**0.0075**	0.0011 U	0.0010 U	5.9E-02
Xylenes (Total)	**0.10**	0.00061 U	0.00058 U	**0.51**	**0.90**	0.00085 U	0.00062 U	0.00060 U	5.8E+01

Table Notes:
VOCs Analytical Method: EPA Method 8260D
[Sample ID] - Sample Identification as shown on the COC and in the Lab Report for the duplicate samples.
mg/kg - milligrams per kilogram or parts per million (ppm)
U - Analyte not detected above specified Method Detection Limit (MDL) (shown as a gray tone).
J - Detected above the MDL but below the Reporting Limit (RL); therefore, result is an estimated concentration.
na - not applicable
Bold - Detected analyte concentration

Screening Levels (SLs):
MDE Residential Soil Clean-up Standards (October 2018)

Screening Evaluation Notes:
Red, bold, and underline - Detected analyte concentration exceeds the respective SL.
Underline - MDL exceeds the respective SL.

Additional Screening Level Notes:

Analyte	MDE Residential Soil Standard
m+p-Xylenes	Total Xylenes
o-Xylene	Total Xylenes

Table D-1
Montgomery Brothers Dump (MD-137), Inverness Drive, North East, MD
Hot Spot Refinement Study

Subsurface Soil Sample Analytical Results
May 11-13, 2021
Volatile Organic Compounds (VOCs)

Sample ID	HSI-SB-14 (3.5')	HSI-SB-14 (5')	HSI-SB-14 (6.5')	HSI-SB-14 (8')	HSI-SB-14 (8') [HSI-SB-D2]	HSI-SB-14 (10')	HSI-SB-14 (12.5')	HSI-SB-14 (14.5')	HSI-SB-14 (16.5')	HSI-SB-14 (18.5') [HIS-SB-14 (18.5')]	MDE Residential Soil Standards
Dilution Factor	**6,650**	**6,580**	**6,440**	**6,780**	**6,320**	**6,780**	**6,590**	**1**	**67**	**1**	
Sample Collection Date	**05/12/21**	**05/12/21**	**05/12/21**	**05/12/21**	**05/12/21**	**05/12/21**	**05/12/21**	**05/12/21**	**05/12/21**	**05/12/21**	
Analyte Name	**Concentration (mg/kg)**										
1,1,1-Trichloroethane	2.8 U	2.8 U	2.8 U	2.9 U	2.8 U	2.9 U	2.9 U	0.00080 U	0.029 U	0.00081 U	8.1E+02
1,1,2,2-Tetrachloroethane	**110**	**270**	**200**	**80**	**240**	**160**	**50**	**0.0053**	**3.4**	**0.0015** J	6.0E-01
1,1,2-Trichloro-1,2,2-trifluoroethane	5.6 U	5.6 U	5.7 U	5.9 U	5.6 U	5.9 U	5.9 U	0.0012 U	0.060 U	0.0012 U	na
1,1,2-Trichloroethane	2.5 U	2.5 U	2.5 U	2.6 U	2.5 U	2.6 U	2.6 U	0.00040 U	0.026 U	0.00041 U	1.5E-01
1,1-Dichloroethane	3.3 U	3.3 U	3.4 U	3.5 U	3.3 U	3.5 U	3.5 U	0.00075 U	0.035 U	**0.0015** J	3.6E+00
1,1-Dichloroethene	4.1 U	4.1 U	4.2 U	4.4 U	4.1 U	4.3 U	4.3 U	0.00099 U	0.044 U	0.0010 U	2.3E+01
1,2,3-Trichlorobenzene	6.1 U	6.1 U	6.2 U	6.4 U	6.1 U	6.4 U	6.4 U	0.00048 U	0.065 U	0.00049 U	na
1,2,4-Trichlorobenzene	5.6 U	5.6 U	5.7 U	5.9 U	5.6 U	5.9 U	5.9 U	0.00054 U	0.060 U	0.00056 U	5.8E+00
1,2-Dibromo-3-chloropropane	6.5 U	6.5 U	6.6 U	6.8 U	6.4 U	6.8 U	6.8 U	0.00048 U	0.069 U	0.00049 U	5.3E-03
1,2-Dibromoethane	2.6 U	2.7 U	2.7 U	2.8 U	2.6 U	2.8 U	2.8 U	0.00042 U	0.028 U	0.00043 U	3.6E-02
1,2-Dichlorobenzene	2.5 U	2.5 U	2.5 U	2.6 U	2.5 U	2.6 U	2.6 U	0.00044 U	0.027 U	0.00045 U	1.8E+02
1,2-Dichloroethane	**51**	**90**	**62**	**17**	**66**	**59**	**18**	**0.0065**	**2.9**	**0.014**	4.6E-01
1,2-Dichloropropane	2.3 U	2.3 U	2.4 U	2.4 U	2.3 U	2.4 U	2.4 U	0.00071 U	0.025 U	0.00072 U	1.6E+00
1,3-Dichlorobenzene	2.9 U	2.9 U	3.0 U	3.1 U	2.9 U	3.1 U	3.1 U	0.00048 U	0.031 U	0.00049 U	na
1,4-Dichlorobenzene	2.8 U	2.8 U	2.9 U	3.0 U	2.8 U	3.0 U	3.0 U	0.00046 U	0.030 U	0.00047 U	2.6E+00
1,4-Dioxane	300 U	300 U	310 U	320 U	300 U	320 U	320 U	0.042 U	3.2 U	0.043 U	na
2-Butanone	5.8 U	5.8 U	5.9 U	6.1 U	5.8 U	6.1 U	6.1 U	0.0010 U	0.062 U	0.0011 U	2.7E+03
2-Hexanone	4.6 U	4.6 U	4.7 U	4.9 U	4.6 U	4.9 U	4.9 U	0.00073 U	0.049 U	0.00075 U	na
4-Methyl-2-pentanone	**130**	**210**	**140**	**49**	**150**	**91**	**30**	**0.0067**	**6.3**	0.00051 U	3.3E+03
Acetone	35 U	35 U	36 U	37 U	35 U	37 U	37 U	0.006 U	0.38 U	0.0060 U	6.1E+03
Benzene	**4.7**	**8.3**	**7.8**	2.4 U	**7.2**	**8.5**	**2.8** J	**0.0032**	**0.23**	**0.0100**	1.2E+00
Bromochloromethane	6.1 U	6.1 U	6.2 U	6.4 U	6.1 U	6.4 U	6.4 U	0.00061 U	0.065 U	0.00062 U	na
Bromodichloromethane	2.7 U	2.7 U	2.7 U	2.8 U	2.7 U	2.8 U	2.8 U	0.00041 U	0.028 U	0.00041 U	2.9E-01
Bromoform	4.2 U	4.2 U	4.2 U	4.4 U	4.2 U	4.4 U	4.4 U	0.00029 U	0.045 U	0.00029 U	1.9E+01
Bromomethane	3.9 U	3.9 U	3.9 U	4.1 U	3.9 U	4.1 U	4.1 U	0.0014 U	0.041 U	0.0014 U	6.8E-01
Carbon disulfide	3.3 U	3.3 U	3.3 U	3.5 U	3.3 U	3.5 U	3.4 U	0.0029 U	0.035 U	0.0030 U	7.7E+01
Carbon tetrachloride	2.5 U	2.5 U	2.5 U	2.6 U	2.5 U	2.6 U	2.6 U	0.00084 U	0.027 U	0.00086 U	6.5E-01
Chlorobenzene	**730**	**1,300**	**710**	**320**	**1,100**	**980**	**350**	**0.097**	**21**	**0.16**	2.8E+01
Chloroethane	4.5 U	4.5 U	4.6 U	4.7 U	4.5 U	4.7 U	4.7 U	0.0017 U	0.048 U	0.0017 U	1.4E+03
Chloroform	15 U	15 U	15 U	16 U	15 U	16 U	16 U	0.0012 U	0.16 U	0.0012 U	3.2E-01
Chloromethane	4.0 U	4.0 U	4.1 U	4.2 U	4.0 U	4.2 U	4.2 U	0.0011 U	0.042 U	0.0011 U	1.1E+01
cis-1,2-Dichloroethene	**20**	**41**	**40**	**6.7** J	4.9 U	**44**	**27**	**0.0066**	**3.2**	**0.073**	1.6E+01
cis-1,3-Dichloropropene	2.5 U	2.5 U	2.5 U	2.6 U	2.5 U	2.6 U	2.6 U	0.00046 U	0.026 U	0.00047 U	na
Cyclohexane	3.8 U	3.8 U	3.8 U	4.0 U	3.8 U	4.0 U	4.0 U	0.0010 U	0.040 U	0.0011 U	na
Dibromochloromethane	1.8 U	1.9 U	1.9 U	2.0 U	1.8 U	2.0 U	1.9 U	0.00037 U	0.020 U	0.00038 U	8.3E+00
Dichlorodifluoromethane	4.8 U	4.8 U	4.9 U	5.1 U	4.8 U	5.1 U	5.0 U	0.0012 U	0.051 U	0.0012 U	na
Ethylbenzene	**19**	**39**	**31**	**13**	**38**	**30**	**11**	**0.0024**	**0.59**	**0.0026**	5.8E+00
Isopropylbenzene	3.8 U	**4.3** J	3.9 U	4.0 U	**4.1** J	4.0 U	4.0 U	0.00072 U	**0.064** J	0.00073 U	1.9E+02
m&p-Xylenes	**98**	**190**	**140**	**52**	**180**	**150**	**52**	**0.0035**	**2.8**	**0.0043**	5.8E+01
Methyl Acetate	5.4 U	5.4 U	5.5 U	5.7 U	5.4 U	5.7 U	5.7 U	0.00083 U	0.058 U	0.00085 U	na
Methylcyclohexane	4.7 U	4.8 U	4.8 U	5.0 U	4.7 U	5.0 U	5.0 U	0.00078 U	**0.065** J	0.00079 U	na
Methylene chloride	**110**	**180**	**150**	**23**	**110**	**110**	**47**	**0.024**	**9.5**	**0.069**	3.5E+01
Methyl-t-butyl ether	2.4 U	2.4 U	2.5 U	2.6 U	2.4 U	2.5 U	2.5 U	0.00047 U	0.026 U	0.00048 U	4.7E+01
o-Xylene	**23**	**43**	**32**	**12**	**40**	**33**	**12**	**0.0013**	**0.64**	**0.0021**	5.8E+01
Styrene	4.2 U	4.2 U	4.3 U	4.4 U	4.2 U	4.4 U	4.4 U	0.00048 U	0.045 U	0.00049 U	6.0E+02
Tetrachloroethene	**34**	**65**	**44**	**17**	**60**	**52**	**20**	**0.0015** J	**0.95**	**0.0039**	8.1E+00
Toluene	**1,100**	**2,400**	**1,700**	**510**	**1,900**	**1,900**	**610**	**0.065**	**41**	**0.14**	4.9E+02
trans-1,2-Dichloroethene	2.4 U	**11**	2.4 U	2.5 U	**8.1**	**8.0** J	2.5 U	0.0010 U	**0.29**	**0.021**	1.6E+02
trans-1,3-Dichloropropene	2.4 U	2.4 U	2.4 U	2.5 U	2.4 U	2.5 U	2.5 U	0.00041 U	0.025 U	0.00041 U	na
Trichloroethene	**770**	**1,400**	**1,200**	**320**	**1,300**	**1,400**	**410**	**0.051**	**26**	**0.23**	4.1E-01
Trichlorofluoromethane	2.4 U	2.4 U	2.4 U	2.5 U	2.4 U	2.5 U	2.5 U	0.0010 U	0.025 U	0.0010 U	na
Vinyl chloride	5.5 U	5.5 U	5.6 U	5.8 U	5.4 U	5.8 U	5.7 U	**0.0015** J	**0.28**	**0.030**	5.9E-02
Xylenes (Total)	**120**	**230**	**170**	**64**	**220**	**180**	**64**	**0.0048**	**3.4**	**0.0064**	5.8E+01

Table Notes:
VOCs Analytical Method: EPA Method 8260D
[Sample ID] - Sample Identification as shown on the COC and in the Lab Report for the duplicate samples.
mg/kg - milligrams per kilogram or parts per million (ppm)
U - Analyte not detected above specified Method Detection Limit (MDL) (shown as a gray tone).
J - Detected above the MDL but below the Reporting Limit (RL); therefore, result is an estimated concentration.
na - not applicable
Bold - Detected analyte concentration

Screening Levels (SLs):
MDE Residential Soil Clean-up Standards (October 2018)

Screening Evaluation Notes:
Red, bold, and underline - Detected analyte concentration exceeds the respective SL.
Underline - MDL exceeds the respective SL.

Additional Screening Level Notes:

Analyte	MDE Residential Soil Standard
m+p-Xylenes	Total Xylenes
o-Xylene	Total Xylenes

Table D-1
Montgomery Brothers Dump (MD-137), Inverness Drive, North East, MD
Hot Spot Refinement Study

Subsurface Soil Sample Analytical Results
May 11-13, 2021
Volatile Organic Compounds (VOCs)

Sample ID	HSI-SB-15 (3.5')	HSI-SB-15 (5.5')	HSI-SB-15 (5.5') [HSI-SB-D3]	HSI-SB-15 (6')	HSI-SB-15 (8.5')	HSI-SB-15 (10')	HSI-SB-15 (12.5')	HSI-SB-15 (14')	HSI-SB-15 (16.5')	HSI-SB-15 (18.5')	MDE Residential Soil Standards
Dilution Factor	**6,780**	**6,780**	**6,930**	**7,050**	**724**	**68**	**67**	**65**	**69**	**1**	
Sample Collection Date	**05/12/21**	**05/12/21**	**05/12/21**	**05/12/21**	**05/12/21**	**05/12/21**	**05/12/21**	**05/12/21**	**05/12/21**	**05/12/21**	
Analyte Name	**Concentration (mg/kg)**										
1,1,1-Trichloroethane	2.8 U	3.0 U	3.0 U	3.2 U	0.32 U	0.029 U	0.028 U	0.030 U	0.030 U	**0.0013** J	8.1E+02
1,1,2,2-Tetrachloroethane	**260**	**130**	**60**	**160**	**60**	**0.83**	**0.79**	0.037 U	**1.8**	**0.00071** J	6.0E-01
1,1,2-Trichloro-1,2,2-trifluoroethane	5.7 U	6.0 U	6.1 U	6.4 U	0.66 U	0.059 U	0.056 U	0.061 U	0.060 U	0.0012 U	na
1,1,2-Trichloroethane	2.5 U	2.6 U	2.7 U	2.8 U	**1.1**	0.026 U	0.025 U	0.027 U	0.026 U	0.00039 U	1.5E-01
1,1-Dichloroethane	3.4 U	3.5 U	3.6 U	3.8 U	0.39 U	0.034 U	0.033 U	0.036 U	0.035 U	**0.0027**	3.6E+00
1,1-Dichloroethene	4.2 U	4.4 U	4.5 U	4.7 U	0.48 U	0.043 U	0.041 U	0.045 U	0.044 U	**0.0030**	2.3E+01
1,2,3-Trichlorobenzene	6.2 U	6.5 U	6.6 U	6.9 U	0.71 U	0.063 U	0.061 U	0.066 U	0.065 U	0.00047 U	na
1,2,4-Trichlorobenzene	5.7 U	6.0 U	6.1 U	6.4 U	0.66 U	0.059 U	0.056 U	0.061 U	0.060 U	0.00053 U	5.8E+00
1,2-Dibromo-3-chloropropane	6.6 U	6.9 U	7.0 U	7.4 U	0.75 U	0.067 U	0.065 U	0.070 U	0.069 U	0.00047 U	5.3E-03
1,2-Dibromoethane	2.7 U	2.8 U	2.9 U	3.0 U	0.31 U	0.028 U	0.027 U	0.029 U	0.028 U	0.00042 U	3.6E-02
1,2-Dichlorobenzene	2.6 U	2.7 U	2.7 U	2.9 U	0.29 U	0.026 U	0.025 U	0.027 U	0.027 U	**0.00049** J	1.8E+02
1,2-Dichloroethane	**28**	**32**	**22**	**22**	**34**	**1.1**	**1.3**	**0.15**	**2.0**	**0.0057**	4.6E-01
1,2-Dichloropropane	2.4 U	2.5 U	2.5 U	2.6 U	0.27 U	0.024 U	0.023 U	0.025 U	0.025 U	0.00070 U	1.6E+00
1,3-Dichlorobenzene	3.0 U	3.1 U	3.2 U	3.3 U	0.34 U	0.030 U	0.029 U	0.031 U	0.031 U	**0.00069** J	na
1,4-Dichlorobenzene	2.9 U	3.0 U	3.1 U	3.2 U	0.33 U	0.029 U	0.028 U	0.031 U	0.030 U	0.00045 U	2.6E+00
1,4-Dioxane	310 U	320 U	330 U	350 U	36 U	3.2 U	3.1 U	3.3 U	3.2 U	0.041 U	na
2-Butanone	5.9 U	6.2 U	6.3 U	6.6 U	0.68 U	0.060 U	0.058 U	0.063 U	0.062 U	0.0010 U	2.7E+03
2-Hexanone	4.7 U	5.0 U	5.1 U	5.3 U	0.54 U	0.048 U	0.047 U	0.050 U	0.050 U	0.00072 U	na
4-Methyl-2-pentanone	**16**	**59**	**48**	**47**	**94**	**4.1**	**3.8**	0.041 U	**5.8**	0.00049 U	3.3E+03
Acetone	36 U	38 U	39 U	40 U	4.1 U	0.37 U	0.36 U	0.38 U	0.38 U	0.0057 U	6.1E+03
Benzene	**2.7** J	**3.3** J	2.5 U	**3.6** J	**2.1**	**0.14**	**0.12**	0.025 U	**0.12**	**0.0037**	1.2E+00
Bromochloromethane	6.2 U	6.5 U	6.6 U	6.9 U	0.71 U	0.063 U	0.061 U	0.066 U	0.065 U	**0.0015** J	na
Bromodichloromethane	2.7 U	2.9 U	2.9 U	3.0 U	0.31 U	0.028 U	0.027 U	0.029 U	0.029 U	**0.00054** J	2.9E-01
Bromoform	4.3 U	4.5 U	4.6 U	4.8 U	0.49 U	0.044 U	0.042 U	0.045 U	0.045 U	0.00028 U	1.9E+01
Bromomethane	4.0 U	4.2 U	4.2 U	4.4 U	0.45 U	0.040 U	0.039 U	0.042 U	0.041 U	0.0013 U	6.8E-01
Carbon disulfide	3.3 U	3.5 U	3.6 U	3.7 U	0.38 U	0.034 U	0.033 U	0.035 U	0.035 U	0.0029 U	7.7E+01
Carbon tetrachloride	2.5 U	2.7 U	2.7 U	2.8 U	0.29 U	0.026 U	0.025 U	0.027 U	0.027 U	**0.0010** J	6.5E-01
Chlorobenzene	**980**	**820**	**520**	**960**	**240**	**4.9**	**4.4**	**0.91**	**7.7**	**0.065**	2.8E+01
Chloroethane	4.6 U	4.8 U	4.9 U	5.1 U	0.52 U	0.047 U	0.045 U	0.048 U	0.048 U	0.0017 U	1.4E+03
Chloroform	15 U	16 U	17 U	17 U	1.8 U	0.16 U	0.15 U	0.16 U	0.16 U	**0.0019**	3.2E-01
Chloromethane	4.1 U	4.3 U	4.4 U	4.5 U	0.47 U	0.042 U	0.040 U	0.043 U	0.043 U	0.0010 U	1.1E+01
cis-1,2-Dichloroethene	**15**	**22**	**17**	**24**	**29**	**7.7**	**7.6**	**0.43**	**4.5**	**0.020**	1.6E+01
cis-1,3-Dichloropropene	2.5 U	2.6 U	2.7 U	2.8 U	0.29 U	0.026 U	0.025 U	0.027 U	0.026 U	0.00045 U	na
Cyclohexane	3.8 U	4.0 U	4.1 U	4.3 U	0.44 U	0.039 U	0.038 U	0.041 U	0.040 U	0.0010 U	na
Dibromochloromethane	1.9 U	2.0 U	2.0 U	2.1 U	0.22 U	0.019 U	0.019 U	0.020 U	0.020 U	0.00036 U	8.3E+00
Dichlorodifluoromethane	4.9 U	5.1 U	5.2 U	5.5 U	0.56 U	0.050 U	0.048 U	0.052 U	0.051 U	0.0012 U	na
Ethylbenzene	**29**	**24**	**16**	**31**	**5.9**	**0.11**	**0.10**	0.039 U	**0.21**	**0.00070** J	5.8E+00
Isopropylbenzene	**6.2** J	4.1 U	4.2 U	**4.5** J	**0.61** J	0.040 U	0.038 U	0.041 U	0.041 U	0.00070 U	1.9E+02
m&p-Xylenes	**170**	**120**	**72**	**160**	**29**	**0.52**	**0.50**	**0.10**	**1.0**	**0.0023**	5.8E+01
Methyl Acetate	5.5 U	5.8 U	5.9 U	6.2 U	0.64 U	0.057 U	0.055 U	0.059 U	**0.59**	0.00081 U	na
Methylcyclohexane	4.8 U	5.1 U	5.2 U	5.4 U	0.56 U	0.049 U	0.048 U	0.051 U	0.051 U	0.00076 U	na
Methylene chloride	**37**	**51**	**37**	**30**	**51**	0.024 U	**0.13**	**0.44**	**1.2**	**0.012**	3.5E+01
Methyl-t-butyl ether	2.5 U	2.6 U	2.6 U	2.8 U	0.28 U	0.025 U	0.024 U	0.026 U	0.026 U	**0.0018**	4.7E+01
o-Xylene	**44**	**27**	**19**	**36**	**6.7**	**0.13**	**0.13**	0.057 U	**0.25**	**0.0010**	5.8E+01
Styrene	4.3 U	4.5 U	4.6 U	4.8 U	0.49 U	0.044 U	0.042 U	0.045 U	0.045 U	0.00047 U	6.0E+02
Tetrachloroethene	**55**	**42**	**24**	**50**	**8.0**	**0.060** J	**0.064** J	**0.039** J	**0.33**	**0.0014** J	8.1E+00
Toluene	**630**	**900**	**580**	**1,100**	**370**	**9.7**	**8.6**	**1.4**	**11**	**0.027**	4.9E+02
trans-1,2-Dichloroethene	**3.3** J	2.6 U	2.6 U	2.7 U	**2.3**	**0.22**	**0.26**	0.026 U	**0.23**	**0.0049**	1.6E+02
trans-1,3-Dichloropropene	2.4 U	2.5 U	2.6 U	2.7 U	0.28 U	0.025 U	0.024 U	0.026 U	0.025 U	0.00040 U	na
Trichloroethene	**630**	**610**	**390**	**680**	**250**	**0.085**	**0.42**	**1.2**	**8.0**	**0.033**	4.1E-01
Trichlorofluoromethane	2.4 U	2.5 U	2.6 U	2.7 U	0.28 U	0.025 U	0.024 U	0.026 U	0.025 U	**0.0033**	na
Vinyl chloride	5.6 U	5.8 U	6.0 U	6.2 U	0.64 U	**0.63**	**0.55**	0.059 U	**0.11**	**0.010**	5.9E-02
Xylenes (Total)	**210**	**150**	**91**	**200**	**36**	**0.65**	**0.63**	**0.10**	**1.2**	**0.003**	5.8E+01

Table Notes:

VOCs Analytical Method: EPA Method 8260D
[Sample ID] - Sample Identification as shown on the COC and in the Lab Report for the duplicate samples.
mg/kg - milligrams per kilogram or parts per million (ppm)
U - Analyte not detected above specified Method Detection Limit (MDL) (shown as a gray tone).
J - Detected above the MDL but below the Reporting Limit (RL); therefore, result is an estimated concentration.
na - not applicable
Bold - Detected analyte concentration

Screening Levels (SLs):

MDE Residential Soil Clean-up Standards (October 2018)

Screening Evaluation Notes:

Red, bold, and underline - Detected analyte concentration exceeds the respective SL.
Underline - MDL exceeds the respective SL.

Additional Screening Level Notes:

Analyte	MDE Residential Soil Standard
m+p-Xylenes	Total Xylenes
o-Xylene	Total Xylenes

Table D-1
Montgomery Brothers Dump (MD-137), Inverness Drive, North East, MD
Hot Spot Refinement Study

Subsurface Soil Sample Analytical Results
May 11-13, 2021
Volatile Organic Compounds (VOCs)

Sample ID	HSI-SB-16 (3.5')	HSI-SB-16 (5')	HSI-SB-16 (6')	HSI-SB-16 (8.5')	HSI-SB-16 (10')	HSI-SB-16 (12.5')	HSI-SB-16 (14')	HSI-SB-16 (17.5')	HSI-SB-16 (19.5')	MDE Residential Soil Standards
Dilution Factor	**6,620**	**668**	**142**	**70**	**1**	**73**	**76**	**1**	**1**	
Sample Collection Date	**05/13/21**	**05/13/21**	**05/13/21**	**05/13/21**	**05/13/21**	**05/13/21**	**05/13/21**	**05/13/21**	**05/13/21**	
Analyte Name	**Concentration (mg/kg)**									
1,1,1-Trichloroethane	2.8 U	0.28 U	0.061 U	0.030 U	0.00077 U	0.032 U	0.035 U	0.00081 U	0.00084 U	8.1E+02
1,1,2,2-Tetrachloroethane	**350**	**37**	**8.1**	**2.4**	**0.015**	**0.099**	**0.057** J	**0.034**	**0.0041**	6.0E-01
1,1,2-Trichloro-1,2,2-trifluoroethane	5.6 U	0.56 U	0.12 U	0.060 U	0.0012 U	0.064 U	0.071 U	0.0012 U	0.0013 U	na
1,1,2-Trichloroethane	2.5 U	0.25 U	0.055 U	0.026 U	**0.0014** J	0.028 U	0.031 U	0.00040 U	0.00042 U	1.5E-01
1,1-Dichloroethane	3.3 U	0.33 U	0.073 U	0.035 U	0.00072 U	0.038 U	0.042 U	**0.00081** J	0.00080 U	3.6E+00
1,1-Dichloroethene	4.1 U	0.41 U	0.091 U	0.044 U	0.00096 U	0.047 U	0.052 U	0.0010 U	0.0011 U	2.3E+01
1,2,3-Trichlorobenzene	6.1 U	0.61 U	0.13 U	0.065 U	0.00046 U	0.070 U	0.077 U	0.00048 U	0.00050 U	na
1,2,4-Trichlorobenzene	5.6 U	0.56 U	0.12 U	0.060 U	0.00052 U	0.064 U	0.071 U	0.00055 U	0.00058 U	5.8E+00
1,2-Dibromo-3-chloropropane	6.4 U	0.65 U	0.14 U	0.069 U	0.00046 U	0.074 U	0.081 U	0.00048 U	0.00050 U	5.3E-03
1,2-Dibromoethane	2.6 U	0.27 U	0.059 U	0.028 U	0.00041 U	0.030 U	0.033 U	0.00043 U	0.00045 U	3.6E-02
1,2-Dichlorobenzene	2.5 U	0.25 U	0.055 U	0.027 U	0.00042 U	**0.035** J	0.032 U	0.00045 U	0.00047 U	1.8E+02
1,2-Dichloroethane	**33**	**4.9**	**1.4**	**0.54**	0.00034 U	**0.14**	**0.093**	**0.018**	**0.0058**	4.6E-01
1,2-Dichloropropane	2.3 U	0.23 U	0.051 U	0.025 U	0.00068 U	0.027 U	0.029 U	0.00072 U	0.00075 U	1.6E+00
1,3-Dichlorobenzene	2.9 U	0.29 U	0.064 U	0.031 U	0.00046 U	0.033 U	0.037 U	0.00048 U	0.00050 U	na
1,4-Dichlorobenzene	2.8 U	0.28 U	0.062 U	0.030 U	0.00044 U	0.032 U	0.036 U	0.00046 U	0.00048 U	2.6E+00
1,4-Dioxane	300 U	31 U	6.7 U	3.3 U	0.040 U	3.5 U	3.8 U	0.043 U	0.044 U	na
2-Butanone	5.8 U	0.58 U	0.13 U	0.062 U	0.0010 U	0.066 U	0.073 U	0.0011 U	0.0011 U	2.7E+03
2-Hexanone	4.6 U	0.47 U	0.10 U	0.050 U	0.00071 U	0.053 U	0.058 U	0.00074 U	0.00078 U	na
4-Methyl-2-pentanone	**91**	**22**	**2.6**	**1.4**	**0.022**	0.043 U	0.047 U	**0.018**	**0.0013** J	3.3E+03
Acetone	35 U	3.6 U	0.78 U	0.38 U	0.0056 U	0.41 U	0.45 U	0.0059 U	0.0062 U	6.1E+03
Benzene	**4.0**	**0.46**	**0.19**	**0.076**	**0.010**	**0.034** J	0.029 U	**0.0050**	**0.0033**	1.2E+00
Bromochloromethane	6.1 U	0.61 U	0.13 U	0.065 U	0.00058 U	0.070 U	0.076 U	0.00061 U	0.00064 U	na
Bromodichloromethane	2.7 U	0.27 U	0.059 U	0.029 U	0.00039 U	0.031 U	0.034 U	0.00041 U	0.00043 U	2.9E-01
Bromoform	4.2 U	0.42 U	0.092 U	0.045 U	0.00027 U	0.048 U	0.053 U	0.00029 U	0.00030 U	1.9E+01
Bromomethane	3.9 U	0.39 U	0.086 U	0.042 U	0.0013 U	0.044 U	0.049 U	0.0014 U	0.0014 U	6.8E-01
Carbon disulfide	3.3 U	0.33 U	0.072 U	0.035 U	0.0028 U	0.037 U	0.041 U	0.0030 U	0.0031 U	7.7E+01
Carbon tetrachloride	2.5 U	0.25 U	0.055 U	0.027 U	0.00081 U	0.029 U	0.031 U	0.00085 U	0.00089 U	6.5E-01
Chlorobenzene	**710**	**61**	**27**	**5.8**	**0.14**	**0.64**	**0.44**	**0.14**	**0.078**	2.8E+01
Chloroethane	4.5 U	0.45 U	0.099 U	0.048 U	0.0016 U	0.051 U	0.056 U	0.0017 U	0.0018 U	1.4E+03
Chloroform	15 U	1.5 U	0.34 U	0.16 U	0.0011 U	0.17 U	0.19 U	0.0012 U	0.0012 U	3.2E-01
Chloromethane	4.0 U	0.40 U	0.088 U	0.043 U	0.0010 U	0.046 U	0.050 U	0.0011 U	0.0011 U	1.1E+01
cis-1,2-Dichloroethene	**31**	**4.3**	**5.2**	**2.4**	**0.34**	**1.2**	**0.27**	**0.028**	**0.015**	1.6E+01
cis-1,3-Dichloropropene	2.5 U	0.25 U	0.055 U	0.027 U	0.00044 U	0.028 U	0.031 U	0.00046 U	0.00048 U	na
Cyclohexane	3.7 U	0.38 U	0.083 U	0.040 U	0.0010 U	0.043 U	0.047 U	0.0011 U	0.0011 U	na
Dibromochloromethane	1.8 U	0.19 U	0.041 U	0.020 U	0.00036 U	0.021 U	0.023 U	0.00038 U	0.00039 U	8.3E+00
Dichlorodifluoromethane	4.8 U	0.48 U	0.11 U	0.051 U	0.0012 U	0.055 U	0.060 U	0.0012 U	0.0013 U	na
Ethylbenzene	**52**	**4.1**	**1.5**	**0.35**	**0.0040**	0.041 U	0.045 U	**0.0027**	**0.0014**	5.8E+00
Isopropylbenzene	**5.4** J	**0.49** J	**0.25**	**0.049** J	0.00069 U	0.044 U	0.048 U	0.00073 U	0.00076 U	1.9E+02
m&p-Xylenes	**250**	**24**	**9.6**	**1.9**	**0.0068**	**0.11**	0.083 U	**0.011**	**0.0059**	5.8E+01
Methyl Acetate	5.4 U	0.55 U	0.12 U	0.058 U	0.00080 U	0.062 U	0.068 U	0.00084 U	0.00088 U	na
Methylcyclohexane	4.7 U	0.48 U	**0.17** J	0.051 U	**0.0017**	0.054 U	0.060 U	0.00079 U	0.00082 U	na
Methylene chloride	**36**	**6.9**	**0.51**	**0.33**	**0.0065**	**0.14**	**0.19**	**0.017**	**0.0089**	3.5E+01
Methyl-t-butyl ether	2.4 U	0.24 U	0.053 U	0.026 U	0.00045 U	0.028 U	0.030 U	**0.00087** J	0.00049 U	4.7E+01
o-Xylene	**59**	**5.6**	**2.1**	**0.48**	**0.0038**	0.060 U	0.066 U	**0.0040**	**0.0018**	5.8E+01
Styrene	4.2 U	0.42 U	0.093 U	0.045 U	0.00046 U	0.048 U	0.053 U	0.00048 U	0.00050 U	6.0E+02
Tetrachloroethene	**73**	**6.1**	**3.1**	**0.64**	**0.0024**	0.032 U	0.035 U	**0.0033**	**0.0028**	8.1E+00
Toluene	**1,300**	**120**	**39**	**9.2**	**0.057**	**0.54**	**0.53**	**0.11**	**0.058**	4.9E+02
trans-1,2-Dichloroethene	**5.8** J	0.24 U	**0.46**	**0.16**	**0.023**	**0.096**	**0.045** J	**0.0018**	**0.0014** J	1.6E+02
trans-1,3-Dichloropropene	2.4 U	0.24 U	0.052 U	0.025 U	0.00039 U	0.027 U	0.030 U	0.00041 U	0.00043 U	na
Trichloroethene	**790**	**64**	**20**	**4.9**	**0.040**	**0.51**	**0.41**	**0.061**	**0.045**	4.1E-01
Trichlorofluoromethane	2.4 U	0.24 U	0.052 U	0.025 U	0.00098 U	0.027 U	0.030 U	0.0010 U	0.0011 U	na
Vinyl chloride	5.4 U	0.55 U	0.12 U	**0.14**	**0.048**	**0.094**	0.069 U	**0.010**	**0.0078**	5.9E-02
Xylenes (Total)	**310**	**30**	**12**	**2.4**	**0.011**	**0.11**	0.066 U	**0.015**	**0.0077**	5.8E+01

Table Notes:
VOCs Analytical Method: EPA Method 8260D
[Sample ID] - Sample Identification as shown on the COC and in the Lab Report for the duplicate samples.
mg/kg - milligrams per kilogram or parts per million (ppm)
U - Analyte not detected above specified Method Detection Limit (MDL) (shown as a gray tone).
J - Detected above the MDL but below the Reporting Limit (RL); therefore, result is an estimated concentration.
na - not applicable
Bold - Detected analyte concentration

Screening Levels (SLs):
MDE Residential Soil Clean-up Standards (October 2018)

Screening Evaluation Notes:
Red, bold, and underline - Detected analyte concentration exceeds the respective SL.
Underline - MDL exceeds the respective SL.

Additional Screening Level Notes:

Analyte	MDE Residential Soil Standard
m+p-Xylenes	Total Xylenes
o-Xylene	Total Xylenes

Table D-1
Montgomery Brothers Dump (MD-137), Inverness Drive, North East, MD
Hot Spot Refinement Study

Subsurface Soil Sample Analytical Results
May 11-13, 2021
Volatile Organic Compounds (VOCs)

Sample ID	HSI-SB-21 (4')	HSI-SB-21 (6.5')	HSI-SB-21 (7.5')	HSI-SB-21 (10.5')	HSI-SB-21 (11')	HSI-SB-21 (11') [HSI-SB-D1]	HSI-SB-21 (13.5')	MDE Residential Soil Standards
Dilution Factor	**1**	**1**	**1**	**71**	**1**	**84**	**1**	
Sample Collection Date	**05/11/21**	**05/11/21**	**05/11/21**	**05/11/21**	**05/11/21**	**05/11/21**	**05/11/21**	
Analyte Name	**Concentration (mg/kg)**							
1,1,1-Trichloroethane	0.00076 U	0.00073 U	0.00071 U	0.030 U	0.00080 U	0.038 U	0.00082 U	8.1E+02
1,1,2,2-Tetrachloroethane	**0.052**	**0.0011** J	0.00035 U	0.038 U	0.00039 U	0.047 U	**0.0016** J	6.0E-01
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011 U	0.0011 U	0.0011 U	0.061 U	0.0012 U	0.077 U	0.0012 U	na
1,1,2-Trichloroethane	**0.010**	**0.00072** J	0.00036 U	0.027 U	0.00040 U	0.034 U	0.00041 U	1.5E-01
1,1-Dichloroethane	0.00072 U	0.00069 U	**0.00070** J	0.036 U	**0.0011** J	0.045 U	**0.0013** J	3.6E+00
1,1-Dichloroethene	0.00095 U	0.00091 U	0.00089 U	0.045 U	0.0010 U	0.056 U	0.0010 U	2.3E+01
1,2,3-Trichlorobenzene	0.00045 U	0.00043 U	0.00043 U	0.066 U	0.00048 U	0.083 U	0.00049 U	na
1,2,4-Trichlorobenzene	0.00052 U	0.00050 U	0.00049 U	0.061 U	0.00055 U	0.077 U	0.00056 U	5.8E+00
1,2-Dibromo-3-chloropropane	0.00045 U	0.00043 U	0.00043 U	0.070 U	0.00048 U	0.088 U	0.00049 U	5.3E-03
1,2-Dibromoethane	0.00040 U	0.00039 U	0.00038 U	0.029 U	0.00043 U	0.036 U	0.00044 U	3.6E-02
1,2-Dichlorobenzene	0.00042 U	0.00040 U	0.00039 U	0.027 U	0.00044 U	0.034 U	0.00045 U	1.8E+02
1,2-Dichloroethane	**0.00064** J	0.00032 U	**0.00074** J	0.054 U	0.00036 U	0.067 U	**0.0069**	4.6E-01
1,2-Dichloropropane	0.00067 U	0.00065 U	0.00063 U	0.025 U	0.00071 U	0.032 U	0.00073 U	1.6E+00
1,3-Dichlorobenzene	0.00045 U	0.00043 U	0.00043 U	0.032 U	0.00048 U	0.040 U	0.00049 U	na
1,4-Dichlorobenzene	0.00044 U	0.00042 U	0.00041 U	0.031 U	0.00046 U	0.039 U	0.00047 U	2.6E+00
1,4-Dioxane	0.040 U	0.038 U	0.038 U	3.3 U	0.042 U	4.1 U	0.043 U	na
2-Butanone	0.00099 U	0.00095 U	**0.0011** J	0.063 U	**0.0020**	0.079 U	0.0011 U	2.7E+03
2-Hexanone	0.00070 U	0.00067 U	0.00066 U	0.050 U	0.00074 U	0.063 U	0.00076 U	na
4-Methyl-2-pentanone	0.00048 U	0.00046 U	0.00045 U	0.041 U	0.00050 U	0.051 U	0.00052 U	3.3E+03
Acetone	0.0056 U	**0.0070** J	**0.0091**	0.38 U	**0.014**	0.48 U	**0.0070** J	6.1E+03
Benzene	0.00060 U	**0.0022**	**0.012**	0.025 U	**0.0100**	**0.060**	**0.0063**	1.2E+00
Bromochloromethane	0.00058 U	0.00055 U	0.00054 U	0.066 U	0.00061 U	0.083 U	0.00062 U	na
Bromodichloromethane	0.00039 U	0.00037 U	0.00036 U	0.029 U	0.00041 U	0.036 U	0.00042 U	2.9E-01
Bromoform	0.00027 U	0.00026 U	0.00026 U	0.045 U	0.00029 U	0.057 U	0.00029 U	1.9E+01
Bromomethane	0.0013 U	0.0012 U	0.0012 U	0.042 U	0.0014 U	0.053 U	0.0014 U	6.8E-01
Carbon disulfide	0.0028 U	0.0027 U	0.0026 U	0.036 U	**0.020**	0.045 U	0.0030 U	7.7E+01
Carbon tetrachloride	0.00080 U	0.00077 U	0.00075 U	0.027 U	0.00084 U	0.034 U	0.00087 U	6.5E-01
Chlorobenzene	**0.0053**	**0.056**	**0.38**	**0.72**	**0.37**	**2.0**	**0.097**	2.8E+01
Chloroethane	0.0016 U	0.0015 U	0.0015 U	0.049 U	0.0017 U	0.061 U	0.0017 U	1.4E+03
Chloroform	0.0011 U	0.0011 U	0.0011 U	0.17 U	0.0012 U	0.21 U	0.0012 U	3.2E-01
Chloromethane	0.0010 U	0.00097 U	0.00095 U	0.043 U	0.0011 U	0.054 U	0.0011 U	1.1E+01
cis-1,2-Dichloroethene	**0.0018**	0.00064 U	0.00063 U	0.053 U	0.00070 U	0.067 U	**0.064**	1.6E+01
cis-1,3-Dichloropropene	0.00044 U	0.00042 U	0.00041 U	0.027 U	0.00046 U	0.034 U	0.00047 U	na
Cyclohexane	0.00099 U	0.00095 U	0.00093 U	0.041 U	0.0010 U	0.051 U	0.0011 U	na
Dibromochloromethane	0.00035 U	0.00034 U	0.00033 U	0.020 U	0.00037 U	0.025 U	0.00038 U	8.3E+00
Dichlorodifluoromethane	0.0012 U	0.0011 U	0.0011 U	0.052 U	0.0012 U	0.065 U	0.0013 U	na
Ethylbenzene	0.00057 U	0.00054 U	**0.0046**	0.039 U	**0.0054**	0.049 U	0.00062 U	5.8E+00
Isopropylbenzene	0.00068 U	0.00066 U	**0.0012**	0.041 U	0.00072 U	0.052 U	0.00074 U	1.9E+02
m&p-Xylenes	0.00099 U	0.00095 U	**0.0014**	0.071 U	**0.012**	0.090 U	0.0011 U	5.8E+01
Methyl Acetate	0.00079 U	0.00076 U	0.00074 U	0.059 U	0.00083 U	0.074 U	0.00086 U	na
Methylcyclohexane	0.00074 U	0.00071 U	0.00070 U	0.052 U	0.00078 U	0.065 U	0.00080 U	na
Methylene chloride	**0.0062**	**0.0018**	**0.0027**	0.025 U	**0.0023**	0.031 U	**0.0049**	3.5E+01
Methyl-t-butyl ether	0.00044 U	0.00043 U	0.00042 U	0.026 U	0.00047 U	0.033 U	**0.0033**	4.7E+01
o-Xylene	0.00058 U	0.00056 U	**0.00064** J	0.057 U	**0.0037**	0.072 U	0.00063 U	5.8E+01
Styrene	0.00045 U	0.00043 U	0.00043 U	0.046 U	0.00048 U	0.057 U	0.00049 U	6.0E+02
Tetrachloroethene	**0.0070**	0.00077 U	0.00076 U	0.030 U	0.00085 U	0.038 U	0.00087 U	8.1E+00
Toluene	0.00054 U	0.00052 U	0.00051 U	**0.10**	**0.16**	**0.61**	0.00059 U	4.9E+02
trans-1,2-Dichloroethene	0.00099 U	0.00095 U	0.00093 U	0.026 U	0.0010 U	0.033 U	**0.017**	1.6E+02
trans-1,3-Dichloropropene	0.00039 U	0.00037 U	0.00036 U	0.026 U	0.00041 U	0.032 U	0.00042 U	na
Trichloroethene	**0.010**	0.00065 U	0.00063 U	0.029 U	0.00071 U	0.036 U	**0.0015** J	4.1E-01
Trichlorofluoromethane	0.00097 U	0.00093 U	0.00091 U	0.026 U	0.0010 U	0.032 U	0.0011 U	na
Vinyl chloride	0.0010 U	0.00096 U	0.00094 U	0.059 U	0.0011 U	0.074 U	**0.0210**	5.9E-02
Xylenes (Total)	0.00058 U	0.00056 U	**0.0020**	0.057 U	**0.016**	0.072 U	0.00063 U	5.8E+01

Table Notes:
VOCs Analytical Method: EPA Method 8260D
[Sample ID] - Sample Identification as shown on the COC and in the Lab Report for the duplicate samples.
mg/kg - milligrams per kilogram or parts per million (ppm)
U - Analyte not detected above specified Method Detection Limit (MDL) (shown as a gray tone).
J - Detected above the MDL but below the Reporting Limit (RL); therefore, result is an estimated concentration.
na - not applicable
Bold - Detected analyte concentration

Screening Levels (SLs):
MDE Residential Soil Clean-up Standards (October 2018)

Screening Evaluation Notes:
Red, bold, and underline - Detected analyte concentration exceeds the respective SL.
Underline - MDL exceeds the respective SL.

Additional Screening Level Notes:

Analyte	MDE Residential Soil Standard
m+p-Xylenes	Total Xylenes
o-Xylene	Total Xylenes

ATTACHMENT E

SUBSURFACE SOIL SAMPLE LABORATORY ANALYTICAL REPORTS

Hampton-Clarke
Analytical & Field Services

175 ROUTE 46 WEST, UNIT D · FAIRFIELD, NJ 07004
2 MADISON ROAD, FAIRFIELD, NJ 07004
800-426-9992 · 973-244-9770
FAX: 973-244-9787
WWW.HCVLAB.COM

Project: Hot Spot Refinement Study

Client PO: CG09042314MS

Report To: Chesapeake Geosciences Inc
5405 Twin Knolls Rd.
Suite 1
Columbia, MD 21045
Attn: Nancy Love

Received Date: 5/12/2021

Report Date: 6/8/2021

Deliverables: MDE-R

Lab ID: AD23360

Lab Project No: 1051227

Sean Berls - Quality Assurance Officer OR **Jean Revolus - Laboratory Director**

NJ (07071) NY (ELAP11408) CT (PH-0671)
PA (68-00463) KY (90124)

NELAP ACCREDITED TNI LABORATORY

Hampton-Clarke
WBE/DBE/SBE 800-426-9992

Table of Contents - 1051227

Sample Summary

Client: Chesapeake Geosciences Inc
Project: Hot Spot Refinement Study

HC Project #: 1051227

Lab#	SampleID	Matrix	Collection Date	Receipt Date
AD23360-001	HSI-SB-11 (3')	Soil/Terracore	5/11/2021	5/12/2021
AD23360-002	HSI-SB-11 (5.75')	Soil/Terracore	5/11/2021	5/12/2021
AD23360-003	HSI-SB-11 (7.75')	Soil/Terracore	5/11/2021	5/12/2021
AD23360-004	HSI-SB-12 (3.5')	Soil/Terracore	5/11/2021	5/12/2021
AD23360-005	HSI-SB-12 (9')	Soil/Terracore	5/11/2021	5/12/2021
AD23360-006	HSI-SB-12(11.5')	Soil/Terracore	5/11/2021	5/12/2021
AD23360-007	HSI-SB-13(4')	Soil/Terracore	5/11/2021	5/12/2021
AD23360-008	HSI-SB-13(5.5')	Soil/Terracore	5/11/2021	5/12/2021
AD23360-009	HSI-SB-21(4')	Soil/Terracore	5/11/2021	5/12/2021
AD23360-010	HSI-SB-21(6.5')	Soil/Terracore	5/11/2021	5/12/2021
AD23360-011	HSI-SB-21(7.5')	Soil/Terracore	5/11/2021	5/12/2021
AD23360-012	HSI-SB-21(10.5')	Soil/Terracore	5/11/2021	5/12/2021
AD23360-013	HSI-SB-21(11')	Soil/Terracore	5/11/2021	5/12/2021
AD23360-014	HSI-SB-21(13.5')	Soil/Terracore	5/11/2021	5/12/2021
AD23360-015	HSI-SB-D1	Soil/Terracore	5/11/2021	5/12/2021

HC Case Narrative

Client: Chesapeake Geosciences Inc. **HC Project:** 1051227
Project: Hot Spot Refinement Study

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

The Method Blank Spike for batches 92593, 92595, 92597, 93449 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batches 92593, 92595, 93449 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD, Matrix Spike and/or Matrix Spike Duplicate for batch 92597 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Wet Chemistry Analysis:

Data conforms to method requirements.

Sean Berls
Quality Assurance Officer

Or

Jean Revolus
Laboratory Director

6/8/21
Date

HC Executive Summary

Client: Chesapeake Geosciences Inc **HC Project #:** 1051227

Project: Hot Spot Refinement Study

Lab#: AD23360-001 **Sample ID: HSI-SB-11 (3')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	0.035	0.85	EPA 8260D
1,1,2-Trichloroethane	mg/kg	0.025	0.22	EPA 8260D
4-Methyl-2-pentanone	mg/kg	0.038	0.090	EPA 8260D
Chlorobenzene	mg/kg	0.026	0.19	EPA 8260D
m&p-Xylenes	mg/kg	0.067	0.10	EPA 8260D
Methyl Acetate	mg/kg	0.055	0.48	EPA 8260D
Tetrachloroethene	mg/kg	0.028	0.18	EPA 8260D
Toluene	mg/kg	0.026	0.17	EPA 8260D
Trichloroethene	mg/kg	0.027	0.11	EPA 8260D
Xylenes (Total)	mg/kg	0.054	0.10	EPA 8260D

Lab#: AD23360-002 **Sample ID: HSI-SB-11 (5.75')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	0.00039	0.0041	EPA 8260D
1,1,2-Trichloroethane	mg/kg	0.00040	0.0014J	EPA 8260D
Chlorobenzene	mg/kg	0.00054	0.00085J	EPA 8260D

Lab#: AD23360-003 **Sample ID: HSI-SB-11 (7.75')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	0.00037	0.0033	EPA 8260D
1,1,2-Trichloroethane	mg/kg	0.00037	0.0012J	EPA 8260D
Chlorobenzene	mg/kg	0.00050	0.0068	EPA 8260D

Lab#: AD23360-004 **Sample ID: HSI-SB-12 (3.5')**

Analyte	Units	RL/MDL	Result	Analytical Method
Chlorobenzene	mg/kg	0.026	2.9	EPA 8260D
Ethylbenzene	mg/kg	0.037	0.16	EPA 8260D
m&p-Xylenes	mg/kg	0.068	0.41	EPA 8260D
o-Xylene	mg/kg	0.055	0.10	EPA 8260D
Toluene	mg/kg	0.026	0.29	EPA 8260D
Xylenes (Total)	mg/kg	0.055	0.51	EPA 8260D

Lab#: AD23360-005 **Sample ID: HSI-SB-12 (9')**

Analyte	Units	RL/MDL	Result	Analytical Method
Benzene	mg/kg	0.026	0.040J	EPA 8260D
Chlorobenzene	mg/kg	0.029	2.7	EPA 8260D
Ethylbenzene	mg/kg	0.041	0.24	EPA 8260D
Isopropylbenzene	mg/kg	0.043	0.051J	EPA 8260D
m&p-Xylenes	mg/kg	0.075	0.69	EPA 8260D
o-Xylene	mg/kg	0.060	0.21	EPA 8260D
Toluene	mg/kg	0.029	0.078J	EPA 8260D
Xylenes (Total)	mg/kg	0.060	0.90	EPA 8260D

HC Executive Summary

Client: Chesapeake Geosciences Inc **HC Project #:** 1051227

Project: Hot Spot Refinement Study

Lab#: AD23360-006 **Sample ID: HSI-SB-12(11.5')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1-Dichloroethane	mg/kg	0.0010	0.0013J	EPA 8260D
Acetone	mg/kg	0.0081	0.021	EPA 8260D
Benzene	mg/kg	0.00087	0.021	EPA 8260D
Chlorobenzene	mg/kg	0.00074	0.55	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	0.00097	0.0030	EPA 8260D
Ethylbenzene	mg/kg	0.00083	0.0036	EPA 8260D
Isopropylbenzene	mg/kg	0.00099	0.0017	EPA 8260D
Methylene chloride	mg/kg	0.00090	0.0037	EPA 8260D
Methyl-t-butyl ether	mg/kg	0.00065	0.0012J	EPA 8260D
Vinyl chloride	mg/kg	0.0015	0.0075	EPA 8260D

Lab#: AD23360-007 **Sample ID: HSI-SB-13(4')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	0.00039	0.17	EPA 8260D
1,1,2-Trichloroethane	mg/kg	0.00040	0.035	EPA 8260D
1,2-Dichloroethane	mg/kg	0.00036	0.00093J	EPA 8260D
Acetone	mg/kg	0.0059	0.0086J	EPA 8260D
Chlorobenzene	mg/kg	0.00054	0.0024	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	0.00070	0.0028	EPA 8260D
Tetrachloroethene	mg/kg	0.00085	0.0046	EPA 8260D
Trichloroethene	mg/kg	0.00071	0.0064	EPA 8260D

Lab#: AD23360-008 **Sample ID: HSI-SB-13(5.5')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	0.00038	0.028	EPA 8260D
1,1,2-Trichloroethane	mg/kg	0.00039	0.012	EPA 8260D
1,2-Dichloroethane	mg/kg	0.00035	0.00050J	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	0.00068	0.0010J	EPA 8260D

Lab#: AD23360-009 **Sample ID: HSI-SB-21(4')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	0.00037	0.052	EPA 8260D
1,1,2-Trichloroethane	mg/kg	0.00038	0.010	EPA 8260D
1,2-Dichloroethane	mg/kg	0.00034	0.00064J	EPA 8260D
Chlorobenzene	mg/kg	0.00051	0.0053	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	0.00067	0.0018	EPA 8260D
Methylene chloride	mg/kg	0.00062	0.0062	EPA 8260D
Tetrachloroethene	mg/kg	0.00081	0.0070	EPA 8260D
Trichloroethene	mg/kg	0.00067	0.010	EPA 8260D

HC Executive Summary

Client: Chesapeake Geosciences Inc **HC Project #:** 1051227

Project: Hot Spot Refinement Study

Lab#: AD23360-010 **Sample ID: HSI-SB-21(6.5')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	0.00036	0.0011J	EPA 8260D
1,1,2-Trichloroethane	mg/kg	0.00036	0.00072J	EPA 8260D
Acetone	mg/kg	0.0053	0.0070J	EPA 8260D
Benzene	mg/kg	0.00058	0.0022	EPA 8260D
Chlorobenzene	mg/kg	0.00049	0.056	EPA 8260D
Methylene chloride	mg/kg	0.00059	0.0018	EPA 8260D

Lab#: AD23360-011 **Sample ID: HSI-SB-21(7.5')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1-Dichloroethane	mg/kg	0.00067	0.00070J	EPA 8260D
1,2-Dichloroethane	mg/kg	0.00032	0.00074J	EPA 8260D
2-Butanone	mg/kg	0.00093	0.0011J	EPA 8260D
Acetone	mg/kg	0.0052	0.0091	EPA 8260D
Benzene	mg/kg	0.00056	0.012	EPA 8260D
Chlorobenzene	mg/kg	0.00048	0.38	EPA 8260D
Ethylbenzene	mg/kg	0.00053	0.0046	EPA 8260D
Isopropylbenzene	mg/kg	0.00064	0.0012	EPA 8260D
m&p-Xylenes	mg/kg	0.00093	0.0014	EPA 8260D
Methylene chloride	mg/kg	0.00058	0.0027	EPA 8260D
o-Xylene	mg/kg	0.00055	0.00064J	EPA 8260D
Xylenes (Total)	mg/kg	0.00055	0.0020	EPA 8260D

Lab#: AD23360-012 **Sample ID: HSI-SB-21(10.5')**

Analyte	Units	RL/MDL	Result	Analytical Method
Chlorobenzene	mg/kg	0.028	0.72	EPA 8260D
Toluene	mg/kg	0.027	0.10	EPA 8260D

Lab#: AD23360-013 **Sample ID: HSI-SB-21(11')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1-Dichloroethane	mg/kg	0.00075	0.0011J	EPA 8260D
2-Butanone	mg/kg	0.0010	0.0020	EPA 8260D
Acetone	mg/kg	0.0059	0.014	EPA 8260D
Benzene	mg/kg	0.00063	0.010	EPA 8260D
Carbon disulfide	mg/kg	0.0030	0.020	EPA 8260D
Chlorobenzene	mg/kg	0.00054	0.37	EPA 8260D
Ethylbenzene	mg/kg	0.00060	0.0054	EPA 8260D
m&p-Xylenes	mg/kg	0.0010	0.012	EPA 8260D
Methylene chloride	mg/kg	0.00065	0.0023	EPA 8260D
o-Xylene	mg/kg	0.00062	0.0037	EPA 8260D
Toluene	mg/kg	0.00057	0.16	EPA 8260D
Xylenes (Total)	mg/kg	0.00062	0.016	EPA 8260D

HC Executive Summary

Client: Chesapeake Geosciences Inc

HC Project #: 1051227

Project: Hot Spot Refinement Study

Lab#: AD23360-014 **Sample ID: HSI-SB-21(13.5')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	0.00040	0.0016J	EPA 8260D
1,1-Dichloroethane	mg/kg	0.00078	0.0013J	EPA 8260D
1,2-Dichloroethane	mg/kg	0.00037	0.0069	EPA 8260D
Acetone	mg/kg	0.0060	0.0070J	EPA 8260D
Benzene	mg/kg	0.00065	0.0063	EPA 8260D
Chlorobenzene	mg/kg	0.00055	0.097	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	0.00072	0.064	EPA 8260D
Methylene chloride	mg/kg	0.00067	0.0049	EPA 8260D
Methyl-t-butyl ether	mg/kg	0.00048	0.0033	EPA 8260D
trans-1,2-Dichloroethene	mg/kg	0.0011	0.017	EPA 8260D
Trichloroethene	mg/kg	0.00073	0.0015J	EPA 8260D
Vinyl chloride	mg/kg	0.0011	0.021	EPA 8260D

Lab#: AD23360-015 **Sample ID: HSI-SB-D1**

Analyte	Units	RL/MDL	Result	Analytical Method
Benzene	mg/kg	0.031	0.060	EPA 8260D
Chlorobenzene	mg/kg	0.035	2.0	EPA 8260D
Toluene	mg/kg	0.034	0.61	EPA 8260D

HC Report of Analysis

Client: Chesapeake Geosciences Inc
HC Project #: 1051227
Project: Hot Spot Refinement Study

Sample ID: HSI-SB-11 (3')
Lab#: AD23360-001
Matrix: Soil/Terracore
Collection Date: 5/11/2021
Receipt Date: 5/12/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		85

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	66.8	mg/kg	0.028	0.079	ND
1,1,2,2-Tetrachloroethane	**66.8**	**mg/kg**	**0.035**	0.079	**0.85**
1,1,2-Trichloro-1,2,2-trifluoroethane	66.8	mg/kg	0.057	0.079	ND
1,1,2-Trichloroethane	**66.8**	**mg/kg**	**0.025**	0.079	**0.22**
1,1-Dichloroethane	66.8	mg/kg	0.034	0.079	ND
1,1-Dichloroethene	66.8	mg/kg	0.042	0.079	ND
1,2,3-Trichlorobenzene	66.8	mg/kg	0.062	0.079	ND
1,2,4-Trichlorobenzene	66.8	mg/kg	0.057	0.079	ND
1,2-Dibromo-3-chloropropane	66.8	mg/kg	0.066	0.079	ND
1,2-Dibromoethane	66.8	mg/kg	0.027	0.079	ND
1,2-Dichlorobenzene	66.8	mg/kg	0.025	0.079	ND
1,2-Dichloroethane	66.8	mg/kg	0.050	0.050	ND
1,2-Dichloropropane	66.8	mg/kg	0.024	0.079	ND
1,3-Dichlorobenzene	66.8	mg/kg	0.030	0.079	ND
1,4-Dichlorobenzene	66.8	mg/kg	0.029	0.079	ND
1,4-Dioxane	66.8	mg/kg	3.1	3.9	ND
2-Butanone	66.8	mg/kg	0.059	0.079	ND
2-Hexanone	66.8	mg/kg	0.047	0.079	ND
4-Methyl-2-pentanone	**66.8**	**mg/kg**	**0.038**	0.079	**0.090**
Acetone	66.8	mg/kg	0.36	0.39	ND
Benzene	66.8	mg/kg	0.023	0.039	ND
Bromochloromethane	66.8	mg/kg	0.062	0.079	ND
Bromodichloromethane	66.8	mg/kg	0.027	0.079	ND
Bromoform	66.8	mg/kg	0.043	0.079	ND
Bromomethane	66.8	mg/kg	0.040	0.079	ND
Carbon disulfide	66.8	mg/kg	0.033	0.079	ND
Carbon tetrachloride	66.8	mg/kg	0.025	0.079	ND
Chlorobenzene	**66.8**	**mg/kg**	**0.026**	0.079	**0.19**
Chloroethane	66.8	mg/kg	0.046	0.079	ND
Chloroform	66.8	mg/kg	0.15	0.15	ND
Chloromethane	66.8	mg/kg	0.041	0.079	ND
cis-1,2-Dichloroethene	66.8	mg/kg	0.050	0.079	ND
cis-1,3-Dichloropropene	66.8	mg/kg	0.025	0.079	ND
Cyclohexane	66.8	mg/kg	0.038	0.079	ND
Dibromochloromethane	66.8	mg/kg	0.019	0.079	ND
Dichlorodifluoromethane	66.8	mg/kg	0.049	0.079	ND
Ethylbenzene	66.8	mg/kg	0.037	0.079	ND
Isopropylbenzene	66.8	mg/kg	0.039	0.079	ND
m&p-Xylenes	**66.8**	**mg/kg**	**0.067**	0.079	**0.10**
Methyl Acetate	**66.8**	**mg/kg**	**0.055**	0.079	**0.48**
Methylcyclohexane	66.8	mg/kg	0.048	0.079	ND
Methylene chloride	66.8	mg/kg	0.023	0.079	ND
Methyl-t-butyl ether	66.8	mg/kg	0.025	0.039	ND
o-Xylene	66.8	mg/kg	0.054	0.079	ND
Styrene	66.8	mg/kg	0.043	0.079	ND
Tetrachloroethene	**66.8**	**mg/kg**	**0.028**	0.079	**0.18**
Toluene	**66.8**	**mg/kg**	**0.026**	0.079	**0.17**
trans-1,2-Dichloroethene	66.8	mg/kg	0.024	0.079	ND
trans-1,3-Dichloropropene	66.8	mg/kg	0.024	0.079	ND
Trichloroethene	**66.8**	**mg/kg**	**0.027**	0.079	**0.11**
Trichlorofluoromethane	66.8	mg/kg	0.024	0.079	ND
Vinyl chloride	66.8	mg/kg	0.056	0.079	ND
Xylenes (Total)	**66.8**	**mg/kg**	**0.054**	0.079	**0.10**

Sample ID: HSI-SB-11 (5.75')
Lab#: AD23360-002
Matrix: Soil/Terracore

Collection Date: 5/11/2021
Receipt Date: 5/12/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		84

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	0.727	mg/kg	0.00080	0.0017	ND
1,1,2,2-Tetrachloroethane	**0.727**	**mg/kg**	**0.00039**	0.0017	**0.0041**
1,1,2-Trichloro-1,2,2-trifluoroethane	0.727	mg/kg	0.0012	0.0017	ND
1,1,2-Trichloroethane	**0.727**	**mg/kg**	**0.00040**	0.0017	**0.0014J**
1,1-Dichloroethane	0.727	mg/kg	0.00075	0.0017	ND
1,1-Dichloroethene	0.727	mg/kg	0.00099	0.0017	ND
1,2,3-Trichlorobenzene	0.727	mg/kg	0.00048	0.0017	ND
1,2,4-Trichlorobenzene	0.727	mg/kg	0.00055	0.0017	ND
1,2-Dibromo-3-chloropropane	0.727	mg/kg	0.00048	0.0017	ND
1,2-Dibromoethane	0.727	mg/kg	0.00042	0.00043	ND
1,2-Dichlorobenzene	0.727	mg/kg	0.00044	0.0017	ND
1,2-Dichloroethane	0.727	mg/kg	0.00035	0.0017	ND
1,2-Dichloropropane	0.727	mg/kg	0.00071	0.0017	ND
1,3-Dichlorobenzene	0.727	mg/kg	0.00048	0.0017	ND
1,4-Dichlorobenzene	0.727	mg/kg	0.00046	0.0017	ND
1,4-Dioxane	0.727	mg/kg	0.042	0.087	ND
2-Butanone	0.727	mg/kg	0.0010	0.0017	ND
2-Hexanone	0.727	mg/kg	0.00074	0.0017	ND
4-Methyl-2-pentanone	0.727	mg/kg	0.00050	0.0017	ND
Acetone	0.727	mg/kg	0.0059	0.0087	ND
Benzene	0.727	mg/kg	0.00063	0.00087	ND
Bromochloromethane	0.727	mg/kg	0.00061	0.0017	ND
Bromodichloromethane	0.727	mg/kg	0.00041	0.0017	ND
Bromoform	0.727	mg/kg	0.00029	0.0017	ND
Bromomethane	0.727	mg/kg	0.0014	0.0017	ND
Carbon disulfide	0.727	mg/kg	0.0029	0.0029	ND
Carbon tetrachloride	0.727	mg/kg	0.00084	0.0017	ND
Chlorobenzene	**0.727**	**mg/kg**	**0.00054**	0.00087	**0.00085J**
Chloroethane	0.727	mg/kg	0.0017	0.0017	ND
Chloroform	0.727	mg/kg	0.0012	0.0017	ND
Chloromethane	0.727	mg/kg	0.0011	0.0017	ND
cis-1,2-Dichloroethene	0.727	mg/kg	0.00070	0.0017	ND
cis-1,3-Dichloropropene	0.727	mg/kg	0.00046	0.0017	ND
Cyclohexane	0.727	mg/kg	0.0010	0.0017	ND
Dibromochloromethane	0.727	mg/kg	0.00037	0.0017	ND
Dichlorodifluoromethane	0.727	mg/kg	0.0012	0.0017	ND
Ethylbenzene	0.727	mg/kg	0.00060	0.00087	ND
Isopropylbenzene	0.727	mg/kg	0.00072	0.00087	ND
m&p-Xylenes	0.727	mg/kg	0.0010	0.0010	ND
Methyl Acetate	0.727	mg/kg	0.00083	0.0017	ND
Methylcyclohexane	0.727	mg/kg	0.00078	0.0017	ND
Methylene chloride	0.727	mg/kg	0.00065	0.0017	ND
Methyl-t-butyl ether	0.727	mg/kg	0.00047	0.00087	ND
o-Xylene	0.727	mg/kg	0.00061	0.00087	ND
Styrene	0.727	mg/kg	0.00048	0.0017	ND
Tetrachloroethene	0.727	mg/kg	0.00085	0.0017	ND
Toluene	0.727	mg/kg	0.00057	0.00087	ND
trans-1,2-Dichloroethene	0.727	mg/kg	0.0010	0.0017	ND
trans-1,3-Dichloropropene	0.727	mg/kg	0.00041	0.0017	ND
Trichloroethene	0.727	mg/kg	0.00071	0.0017	ND
Trichlorofluoromethane	0.727	mg/kg	0.0010	0.0017	ND
Vinyl chloride	0.727	mg/kg	0.0011	0.0017	ND
Xylenes (Total)	0.727	mg/kg	0.00061	0.00087	ND

Sample ID: HSI-SB-11 (7.75')
Lab#: AD23360-003
Matrix: Soil/Terracore

Collection Date: 5/11/2021
Receipt Date: 5/12/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		88

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	0.714	mg/kg	0.00075	0.0016	ND
1,1,2,2-Tetrachloroethane	**0.714**	**mg/kg**	**0.00037**	0.0016	**0.0033**
1,1,2-Trichloro-1,2,2-trifluoroethane	0.714	mg/kg	0.0011	0.0016	ND
1,1,2-Trichloroethane	**0.714**	**mg/kg**	**0.00037**	0.0016	**0.0012J**
1,1-Dichloroethane	0.714	mg/kg	0.00071	0.0016	ND
1,1-Dichloroethene	0.714	mg/kg	0.00093	0.0016	ND
1,2,3-Trichlorobenzene	0.714	mg/kg	0.00045	0.0016	ND
1,2,4-Trichlorobenzene	0.714	mg/kg	0.00051	0.0016	ND
1,2-Dibromo-3-chloropropane	0.714	mg/kg	0.00045	0.0016	ND
1,2-Dibromoethane	0.714	mg/kg	0.00040	0.00041	ND
1,2-Dichlorobenzene	0.714	mg/kg	0.00041	0.0016	ND
1,2-Dichloroethane	0.714	mg/kg	0.00033	0.0016	ND
1,2-Dichloropropane	0.714	mg/kg	0.00067	0.0016	ND
1,3-Dichlorobenzene	0.714	mg/kg	0.00045	0.0016	ND
1,4-Dichlorobenzene	0.714	mg/kg	0.00043	0.0016	ND
1,4-Dioxane	0.714	mg/kg	0.039	0.081	ND
2-Butanone	0.714	mg/kg	0.00097	0.0016	ND
2-Hexanone	0.714	mg/kg	0.00069	0.0016	ND
4-Methyl-2-pentanone	0.714	mg/kg	0.00047	0.0016	ND
Acetone	0.714	mg/kg	0.0055	0.0081	ND
Benzene	0.714	mg/kg	0.00059	0.00081	ND
Bromochloromethane	0.714	mg/kg	0.00057	0.0016	ND
Bromodichloromethane	0.714	mg/kg	0.00038	0.0016	ND
Bromoform	0.714	mg/kg	0.00027	0.0016	ND
Bromomethane	0.714	mg/kg	0.0013	0.0016	ND
Carbon disulfide	0.714	mg/kg	0.0028	0.0028	ND
Carbon tetrachloride	0.714	mg/kg	0.00079	0.0016	ND
Chlorobenzene	**0.714**	**mg/kg**	**0.00050**	0.00081	**0.0068**
Chloroethane	0.714	mg/kg	0.0016	0.0016	ND
Chloroform	0.714	mg/kg	0.0011	0.0016	ND
Chloromethane	0.714	mg/kg	0.0010	0.0016	ND
cis-1,2-Dichloroethene	0.714	mg/kg	0.00066	0.0016	ND
cis-1,3-Dichloropropene	0.714	mg/kg	0.00043	0.0016	ND
Cyclohexane	0.714	mg/kg	0.00097	0.0016	ND
Dibromochloromethane	0.714	mg/kg	0.00035	0.0016	ND
Dichlorodifluoromethane	0.714	mg/kg	0.0011	0.0016	ND
Ethylbenzene	0.714	mg/kg	0.00056	0.00081	ND
Isopropylbenzene	0.714	mg/kg	0.00067	0.00081	ND
m&p-Xylenes	0.714	mg/kg	0.00097	0.00097	ND
Methyl Acetate	0.714	mg/kg	0.00078	0.0016	ND
Methylcyclohexane	0.714	mg/kg	0.00073	0.0016	ND
Methylene chloride	0.714	mg/kg	0.00061	0.0016	ND
Methyl-t-butyl ether	0.714	mg/kg	0.00044	0.00081	ND
o-Xylene	0.714	mg/kg	0.00058	0.00081	ND
Styrene	0.714	mg/kg	0.00045	0.0016	ND
Tetrachloroethene	0.714	mg/kg	0.00080	0.0016	ND
Toluene	0.714	mg/kg	0.00054	0.00081	ND
trans-1,2-Dichloroethene	0.714	mg/kg	0.00097	0.0016	ND
trans-1,3-Dichloropropene	0.714	mg/kg	0.00038	0.0016	ND
Trichloroethene	0.714	mg/kg	0.00067	0.0016	ND
Trichlorofluoromethane	0.714	mg/kg	0.00096	0.0016	ND
Vinyl chloride	0.714	mg/kg	0.00099	0.0016	ND
Xylenes (Total)	0.714	mg/kg	0.00058	0.00081	ND

Sample ID: HSI-SB-12 (3.5')
Lab#: AD23360-004
Matrix: Soil/Terracore

Collection Date: 5/11/2021
Receipt Date: 5/12/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		84

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	67.2	mg/kg	0.029	0.080	ND
1,1,2,2-Tetrachloroethane	67.2	mg/kg	0.036	0.080	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	67.2	mg/kg	0.058	0.080	ND
1,1,2-Trichloroethane	67.2	mg/kg	0.026	0.080	ND
1,1-Dichloroethane	67.2	mg/kg	0.034	0.080	ND
1,1-Dichloroethene	67.2	mg/kg	0.043	0.080	ND
1,2,3-Trichlorobenzene	67.2	mg/kg	0.063	0.080	ND
1,2,4-Trichlorobenzene	67.2	mg/kg	0.058	0.080	ND
1,2-Dibromo-3-chloropropane	67.2	mg/kg	0.067	0.080	ND
1,2-Dibromoethane	67.2	mg/kg	0.027	0.080	ND
1,2-Dichlorobenzene	67.2	mg/kg	0.026	0.080	ND
1,2-Dichloroethane	67.2	mg/kg	0.051	0.051	ND
1,2-Dichloropropane	67.2	mg/kg	0.024	0.080	ND
1,3-Dichlorobenzene	67.2	mg/kg	0.030	0.080	ND
1,4-Dichlorobenzene	67.2	mg/kg	0.029	0.080	ND
1,4-Dioxane	67.2	mg/kg	3.1	4.0	ND
2-Butanone	67.2	mg/kg	0.060	0.080	ND
2-Hexanone	67.2	mg/kg	0.048	0.080	ND
4-Methyl-2-pentanone	67.2	mg/kg	0.039	0.080	ND
Acetone	67.2	mg/kg	0.37	0.40	ND
Benzene	67.2	mg/kg	0.024	0.040	ND
Bromochloromethane	67.2	mg/kg	0.063	0.080	ND
Bromodichloromethane	67.2	mg/kg	0.028	0.080	ND
Bromoform	67.2	mg/kg	0.043	0.080	ND
Bromomethane	67.2	mg/kg	0.040	0.080	ND
Carbon disulfide	67.2	mg/kg	0.034	0.080	ND
Carbon tetrachloride	67.2	mg/kg	0.026	0.080	ND
Chlorobenzene	**67.2**	**mg/kg**	**0.026**	0.080	**2.9**
Chloroethane	67.2	mg/kg	0.046	0.080	ND
Chloroform	67.2	mg/kg	0.16	0.16	ND
Chloromethane	67.2	mg/kg	0.041	0.080	ND
cis-1,2-Dichloroethene	67.2	mg/kg	0.051	0.080	ND
cis-1,3-Dichloropropene	67.2	mg/kg	0.026	0.080	ND
Cyclohexane	67.2	mg/kg	0.039	0.080	ND
Dibromochloromethane	67.2	mg/kg	0.019	0.080	ND
Dichlorodifluoromethane	67.2	mg/kg	0.050	0.080	ND
Ethylbenzene	**67.2**	**mg/kg**	**0.037**	0.080	**0.16**
Isopropylbenzene	67.2	mg/kg	0.039	0.080	ND
m&p-Xylenes	**67.2**	**mg/kg**	**0.068**	0.080	**0.41**
Methyl Acetate	67.2	mg/kg	0.056	0.080	ND
Methylcyclohexane	67.2	mg/kg	0.049	0.080	ND
Methylene chloride	67.2	mg/kg	0.024	0.080	ND
Methyl-t-butyl ether	67.2	mg/kg	0.025	0.040	ND
o-Xylene	**67.2**	**mg/kg**	**0.055**	0.080	**0.10**
Styrene	67.2	mg/kg	0.043	0.080	ND
Tetrachloroethene	67.2	mg/kg	0.029	0.080	ND
Toluene	**67.2**	**mg/kg**	**0.026**	0.080	**0.29**
trans-1,2-Dichloroethene	67.2	mg/kg	0.025	0.080	ND
trans-1,3-Dichloropropene	67.2	mg/kg	0.025	0.080	ND
Trichloroethene	67.2	mg/kg	0.028	0.080	ND
Trichlorofluoromethane	67.2	mg/kg	0.025	0.080	ND
Vinyl chloride	67.2	mg/kg	0.057	0.080	ND
Xylenes (Total)	**67.2**	**mg/kg**	**0.055**	0.080	**0.51**

Sample ID: HSI-SB-12 (9')
Lab#: AD23360-005
Matrix: Soil/Terracore

Collection Date: 5/11/2021
Receipt Date: 5/12/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		81

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	71.1	mg/kg	0.031	0.088	ND
1,1,2,2-Tetrachloroethane	71.1	mg/kg	0.039	0.088	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	71.1	mg/kg	0.064	0.088	ND
1,1,2-Trichloroethane	71.1	mg/kg	0.028	0.088	ND
1,1-Dichloroethane	71.1	mg/kg	0.038	0.088	ND
1,1-Dichloroethene	71.1	mg/kg	0.047	0.088	ND
1,2,3-Trichlorobenzene	71.1	mg/kg	0.069	0.088	ND
1,2,4-Trichlorobenzene	71.1	mg/kg	0.064	0.088	ND
1,2-Dibromo-3-chloropropane	71.1	mg/kg	0.073	0.088	ND
1,2-Dibromoethane	71.1	mg/kg	0.030	0.088	ND
1,2-Dichlorobenzene	71.1	mg/kg	0.028	0.088	ND
1,2-Dichloroethane	71.1	mg/kg	0.056	0.056	ND
1,2-Dichloropropane	71.1	mg/kg	0.026	0.088	ND
1,3-Dichlorobenzene	71.1	mg/kg	0.033	0.088	ND
1,4-Dichlorobenzene	71.1	mg/kg	0.032	0.088	ND
1,4-Dioxane	71.1	mg/kg	3.5	4.4	ND
2-Butanone	71.1	mg/kg	0.066	0.088	ND
2-Hexanone	71.1	mg/kg	0.053	0.088	ND
4-Methyl-2-pentanone	71.1	mg/kg	0.043	0.088	ND
Acetone	71.1	mg/kg	0.40	0.44	ND
Benzene	**71.1**	**mg/kg**	**0.026**	0.044	**0.040J**
Bromochloromethane	71.1	mg/kg	0.069	0.088	ND
Bromodichloromethane	71.1	mg/kg	0.030	0.088	ND
Bromoform	71.1	mg/kg	0.047	0.088	ND
Bromomethane	71.1	mg/kg	0.044	0.088	ND
Carbon disulfide	71.1	mg/kg	0.037	0.088	ND
Carbon tetrachloride	71.1	mg/kg	0.028	0.088	ND
Chlorobenzene	**71.1**	**mg/kg**	**0.029**	0.088	**2.7**
Chloroethane	71.1	mg/kg	0.051	0.088	ND
Chloroform	71.1	mg/kg	0.17	0.17	ND
Chloromethane	71.1	mg/kg	0.045	0.088	ND
cis-1,2-Dichloroethene	71.1	mg/kg	0.056	0.088	ND
cis-1,3-Dichloropropene	71.1	mg/kg	0.028	0.088	ND
Cyclohexane	71.1	mg/kg	0.043	0.088	ND
Dibromochloromethane	71.1	mg/kg	0.021	0.088	ND
Dichlorodifluoromethane	71.1	mg/kg	0.054	0.088	ND
Ethylbenzene	**71.1**	**mg/kg**	**0.041**	0.088	**0.24**
Isopropylbenzene	**71.1**	**mg/kg**	**0.043**	0.088	**0.051J**
m&p-Xylenes	**71.1**	**mg/kg**	**0.075**	0.088	**0.69**
Methyl Acetate	71.1	mg/kg	0.062	0.088	ND
Methylcyclohexane	71.1	mg/kg	0.054	0.088	ND
Methylene chloride	71.1	mg/kg	0.026	0.088	ND
Methyl-t-butyl ether	71.1	mg/kg	0.027	0.044	ND
o-Xylene	**71.1**	**mg/kg**	**0.060**	0.088	**0.21**
Styrene	71.1	mg/kg	0.048	0.088	ND
Tetrachloroethene	71.1	mg/kg	0.031	0.088	ND
Toluene	**71.1**	**mg/kg**	**0.029**	0.088	**0.076J**
trans-1,2-Dichloroethene	71.1	mg/kg	0.027	0.088	ND
trans-1,3-Dichloropropene	71.1	mg/kg	0.027	0.088	ND
Trichloroethene	71.1	mg/kg	0.030	0.088	ND
Trichlorofluoromethane	71.1	mg/kg	0.027	0.088	ND
Vinyl chloride	71.1	mg/kg	0.062	0.088	ND
Xylenes (Total)	**71.1**	**mg/kg**	**0.060**	0.088	**0.90**

Sample ID: HSI-SB-12(11.5')
Lab#: AD23360-006
Matrix: Soil/Terracore

Collection Date: 5/11/2021
Receipt Date: 5/12/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		65

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	0.779	mg/kg	0.0011	0.0024	ND
1,1,2,2-Tetrachloroethane	0.779	mg/kg	0.00054	0.0024	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.779	mg/kg	0.0017	0.0024	ND
1,1,2-Trichloroethane	0.779	mg/kg	0.00055	0.0024	ND
1,1-Dichloroethane	**0.779**	**mg/kg**	**0.0010**	0.0024	**0.0013J**
1,1-Dichloroethene	0.779	mg/kg	0.0014	0.0024	ND
1,2,3-Trichlorobenzene	0.779	mg/kg	0.00066	0.0024	ND
1,2,4-Trichlorobenzene	0.779	mg/kg	0.00075	0.0024	ND
1,2-Dibromo-3-chloropropane	0.779	mg/kg	0.00066	0.0024	ND
1,2-Dibromoethane	0.779	mg/kg	0.00059	0.00060	ND
1,2-Dichlorobenzene	0.779	mg/kg	0.00061	0.0024	ND
1,2-Dichloroethane	0.779	mg/kg	0.00049	0.0024	ND
1,2-Dichloropropane	0.779	mg/kg	0.00098	0.0024	ND
1,3-Dichlorobenzene	0.779	mg/kg	0.00066	0.0024	ND
1,4-Dichlorobenzene	0.779	mg/kg	0.00064	0.0024	ND
1,4-Dioxane	0.779	mg/kg	0.058	0.12	ND
2-Butanone	0.779	mg/kg	0.0014	0.0024	ND
2-Hexanone	0.779	mg/kg	0.0010	0.0024	ND
4-Methyl-2-pentanone	0.779	mg/kg	0.00069	0.0024	ND
Acetone	**0.779**	**mg/kg**	**0.0081**	0.012	**0.021**
Benzene	**0.779**	**mg/kg**	**0.00087**	0.0012	**0.021**
Bromochloromethane	0.779	mg/kg	0.00084	0.0024	ND
Bromodichloromethane	0.779	mg/kg	0.00056	0.0024	ND
Bromoform	0.779	mg/kg	0.00040	0.0024	ND
Bromomethane	0.779	mg/kg	0.0019	0.0024	ND
Carbon disulfide	0.779	mg/kg	0.0041	0.0041	ND
Carbon tetrachloride	0.779	mg/kg	0.0012	0.0024	ND
Chlorobenzene	**0.779**	**mg/kg**	**0.00074**	0.0012	**0.55**
Chloroethane	0.779	mg/kg	0.0023	0.0024	ND
Chloroform	0.779	mg/kg	0.0016	0.0024	ND
Chloromethane	0.779	mg/kg	0.0015	0.0024	ND
cis-1,2-Dichloroethene	**0.779**	**mg/kg**	**0.00097**	0.0024	**0.0030**
cis-1,3-Dichloropropene	0.779	mg/kg	0.00064	0.0024	ND
Cyclohexane	0.779	mg/kg	0.0014	0.0024	ND
Dibromochloromethane	0.779	mg/kg	0.00052	0.0024	ND
Dichlorodifluoromethane	0.779	mg/kg	0.0017	0.0024	ND
Ethylbenzene	**0.779**	**mg/kg**	**0.00083**	0.0012	**0.0036**
Isopropylbenzene	**0.779**	**mg/kg**	**0.00099**	0.0012	**0.0017**
m&p-Xylenes	0.779	mg/kg	0.0014	0.0014	ND
Methyl Acetate	0.779	mg/kg	0.0012	0.0024	ND
Methylcyclohexane	0.779	mg/kg	0.0011	0.0024	ND
Methylene chloride	**0.779**	**mg/kg**	**0.00090**	0.0024	**0.0037**
Methyl-t-butyl ether	**0.779**	**mg/kg**	**0.00065**	0.0012	**0.0012J**
o-Xylene	0.779	mg/kg	0.00085	0.0012	ND
Styrene	0.779	mg/kg	0.00066	0.0024	ND
Tetrachloroethene	0.779	mg/kg	0.0012	0.0024	ND
Toluene	0.779	mg/kg	0.00079	0.0012	ND
trans-1,2-Dichloroethene	0.779	mg/kg	0.0014	0.0024	ND
trans-1,3-Dichloropropene	0.779	mg/kg	0.00056	0.0024	ND
Trichloroethene	0.779	mg/kg	0.00098	0.0024	ND
Trichlorofluoromethane	0.779	mg/kg	0.0014	0.0024	ND
Vinyl chloride	**0.779**	**mg/kg**	**0.0015**	0.0024	**0.0075**
Xylenes (Total)	0.779	mg/kg	0.00085	0.0012	ND

Sample ID: HSI-SB-13(4')
Lab#: AD23360-007
Matrix: Soil/Terracore

Collection Date: 5/11/2021
Receipt Date: 5/12/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		87

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	0.754	mg/kg	0.00080	0.0017	ND
1,1,2,2-Tetrachloroethane	**0.754**	**mg/kg**	**0.00039**	0.0017	**0.17**
1,1,2-Trichloro-1,2,2-trifluoroethane	0.754	mg/kg	0.0012	0.0017	ND
1,1,2-Trichloroethane	**0.754**	**mg/kg**	**0.00040**	0.0017	**0.035**
1,1-Dichloroethane	0.754	mg/kg	0.00075	0.0017	ND
1,1-Dichloroethene	0.754	mg/kg	0.0010	0.0017	ND
1,2,3-Trichlorobenzene	0.754	mg/kg	0.00048	0.0017	ND
1,2,4-Trichlorobenzene	0.754	mg/kg	0.00055	0.0017	ND
1,2-Dibromo-3-chloropropane	0.754	mg/kg	0.00048	0.0017	ND
1,2-Dibromoethane	0.754	mg/kg	0.00042	0.00043	ND
1,2-Dichlorobenzene	0.754	mg/kg	0.00044	0.0017	ND
1,2-Dichloroethane	**0.754**	**mg/kg**	**0.00036**	0.0017	**0.00093J**
1,2-Dichloropropane	0.754	mg/kg	0.00071	0.0017	ND
1,3-Dichlorobenzene	0.754	mg/kg	0.00048	0.0017	ND
1,4-Dichlorobenzene	0.754	mg/kg	0.00046	0.0017	ND
1,4-Dioxane	0.754	mg/kg	0.042	0.087	ND
2-Butanone	0.754	mg/kg	0.0010	0.0017	ND
2-Hexanone	0.754	mg/kg	0.00074	0.0017	ND
4-Methyl-2-pentanone	0.754	mg/kg	0.00050	0.0017	ND
Acetone	**0.754**	**mg/kg**	**0.0059**	0.0087	**0.0086J**
Benzene	0.754	mg/kg	0.00063	0.00087	ND
Bromochloromethane	0.754	mg/kg	0.00061	0.0017	ND
Bromodichloromethane	0.754	mg/kg	0.00041	0.0017	ND
Bromoform	0.754	mg/kg	0.00029	0.0017	ND
Bromomethane	0.754	mg/kg	0.0014	0.0017	ND
Carbon disulfide	0.754	mg/kg	0.0029	0.0029	ND
Carbon tetrachloride	0.754	mg/kg	0.00084	0.0017	ND
Chlorobenzene	**0.754**	**mg/kg**	**0.00054**	0.00087	**0.0024**
Chloroethane	0.754	mg/kg	0.0017	0.0017	ND
Chloroform	0.754	mg/kg	0.0012	0.0017	ND
Chloromethane	0.754	mg/kg	0.0011	0.0017	ND
cis-1,2-Dichloroethene	**0.754**	**mg/kg**	**0.00070**	0.0017	**0.0028**
cis-1,3-Dichloropropene	0.754	mg/kg	0.00046	0.0017	ND
Cyclohexane	0.754	mg/kg	0.0010	0.0017	ND
Dibromochloromethane	0.754	mg/kg	0.00037	0.0017	ND
Dichlorodifluoromethane	0.754	mg/kg	0.0012	0.0017	ND
Ethylbenzene	0.754	mg/kg	0.00060	0.00087	ND
Isopropylbenzene	0.754	mg/kg	0.00072	0.00087	ND
m&p-Xylenes	0.754	mg/kg	0.0010	0.0010	ND
Methyl Acetate	0.754	mg/kg	0.00083	0.0017	ND
Methylcyclohexane	0.754	mg/kg	0.00078	0.0017	ND
Methylene chloride	0.754	mg/kg	0.00065	0.0017	ND
Methyl-t-butyl ether	0.754	mg/kg	0.00047	0.00087	ND
o-Xylene	0.754	mg/kg	0.00062	0.00087	ND
Styrene	0.754	mg/kg	0.00048	0.0017	ND
Tetrachloroethene	**0.754**	**mg/kg**	**0.00085**	0.0017	**0.0046**
Toluene	0.754	mg/kg	0.00057	0.00087	ND
trans-1,2-Dichloroethene	0.754	mg/kg	0.0010	0.0017	ND
trans-1,3-Dichloropropene	0.754	mg/kg	0.00041	0.0017	ND
Trichloroethene	**0.754**	**mg/kg**	**0.00071**	0.0017	**0.0064**
Trichlorofluoromethane	0.754	mg/kg	0.0010	0.0017	ND
Vinyl chloride	0.754	mg/kg	0.0011	0.0017	ND
Xylenes (Total)	0.754	mg/kg	0.00062	0.00087	ND

Sample ID: HSI-SB-13(5.5')
Lab#: AD23360-008
Matrix: Soil/Terracore

Collection Date: 5/11/2021
Receipt Date: 5/12/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		89

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	0.751	mg/kg	0.00078	0.0017	ND
1,1,2,2-Tetrachloroethane	**0.751**	**mg/kg**	**0.00038**	0.0017	**0.028**
1,1,2-Trichloro-1,2,2-trifluoroethane	0.751	mg/kg	0.0012	0.0017	ND
1,1,2-Trichloroethane	**0.751**	**mg/kg**	**0.00039**	0.0017	**0.012**
1,1-Dichloroethane	0.751	mg/kg	0.00073	0.0017	ND
1,1-Dichloroethene	0.751	mg/kg	0.00097	0.0017	ND
1,2,3-Trichlorobenzene	0.751	mg/kg	0.00046	0.0017	ND
1,2,4-Trichlorobenzene	0.751	mg/kg	0.00053	0.0017	ND
1,2-Dibromo-3-chloropropane	0.751	mg/kg	0.00046	0.0017	ND
1,2-Dibromoethane	0.751	mg/kg	0.00041	0.00042	ND
1,2-Dichlorobenzene	0.751	mg/kg	0.00043	0.0017	ND
1,2-Dichloroethane	**0.751**	**mg/kg**	**0.00035**	0.0017	**0.00050J**
1,2-Dichloropropane	0.751	mg/kg	0.00069	0.0017	ND
1,3-Dichlorobenzene	0.751	mg/kg	0.00046	0.0017	ND
1,4-Dichlorobenzene	0.751	mg/kg	0.00045	0.0017	ND
1,4-Dioxane	0.751	mg/kg	0.041	0.084	ND
2-Butanone	0.751	mg/kg	0.0010	0.0017	ND
2-Hexanone	0.751	mg/kg	0.00072	0.0017	ND
4-Methyl-2-pentanone	0.751	mg/kg	0.00049	0.0017	ND
Acetone	0.751	mg/kg	0.0057	0.0084	ND
Benzene	0.751	mg/kg	0.00062	0.00084	ND
Bromochloromethane	0.751	mg/kg	0.00059	0.0017	ND
Bromodichloromethane	0.751	mg/kg	0.00040	0.0017	ND
Bromoform	0.751	mg/kg	0.00028	0.0017	ND
Bromomethane	0.751	mg/kg	0.0013	0.0017	ND
Carbon disulfide	0.751	mg/kg	0.0029	0.0029	ND
Carbon tetrachloride	0.751	mg/kg	0.00082	0.0017	ND
Chlorobenzene	0.751	mg/kg	0.00052	0.00084	ND
Chloroethane	0.751	mg/kg	0.0016	0.0017	ND
Chloroform	0.751	mg/kg	0.0011	0.0017	ND
Chloromethane	0.751	mg/kg	0.0010	0.0017	ND
cis-1,2-Dichloroethene	**0.751**	**mg/kg**	**0.00068**	0.0017	**0.0010J**
cis-1,3-Dichloropropene	0.751	mg/kg	0.00045	0.0017	ND
Cyclohexane	0.751	mg/kg	0.0010	0.0017	ND
Dibromochloromethane	0.751	mg/kg	0.00036	0.0017	ND
Dichlorodifluoromethane	0.751	mg/kg	0.0012	0.0017	ND
Ethylbenzene	0.751	mg/kg	0.00058	0.00084	ND
Isopropylbenzene	0.751	mg/kg	0.00070	0.00084	ND
m&p-Xylenes	0.751	mg/kg	0.0010	0.0010	ND
Methyl Acetate	0.751	mg/kg	0.00081	0.0017	ND
Methylcyclohexane	0.751	mg/kg	0.00076	0.0017	ND
Methylene chloride	**0.751**	**mg/kg**	**0.00063**	0.0017	**ND**
Methyl-t-butyl ether	0.751	mg/kg	0.00046	0.00084	ND
o-Xylene	0.751	mg/kg	0.00060	0.00084	ND
Styrene	0.751	mg/kg	0.00046	0.0017	ND
Tetrachloroethene	0.751	mg/kg	0.00083	0.0017	ND
Toluene	0.751	mg/kg	0.00056	0.00084	ND
trans-1,2-Dichloroethene	0.751	mg/kg	0.0010	0.0017	ND
trans-1,3-Dichloropropene	0.751	mg/kg	0.00040	0.0017	ND
Trichloroethene	0.751	mg/kg	0.00069	0.0017	ND
Trichlorofluoromethane	0.751	mg/kg	0.0010	0.0017	ND
Vinyl chloride	0.751	mg/kg	0.0010	0.0017	ND
Xylenes (Total)	0.751	mg/kg	0.00060	0.00084	ND

Sample ID: HSI-SB-21(4')
Lab#: AD23360-009
Matrix: Soil/Terracore

Collection Date: 5/11/2021
Receipt Date: 5/12/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		86

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	0.707	mg/kg	0.00076	0.0016	ND
1,1,2,2-Tetrachloroethane	**0.707**	**mg/kg**	**0.00037**	0.0016	**0.052**
1,1,2-Trichloro-1,2,2-trifluoroethane	0.707	mg/kg	0.0011	0.0016	ND
1,1,2-Trichloroethane	**0.707**	**mg/kg**	**0.00038**	0.0016	**0.010**
1,1-Dichloroethane	0.707	mg/kg	0.00072	0.0016	ND
1,1-Dichloroethene	0.707	mg/kg	0.00095	0.0016	ND
1,2,3-Trichlorobenzene	0.707	mg/kg	0.00045	0.0016	ND
1,2,4-Trichlorobenzene	0.707	mg/kg	0.00052	0.0016	ND
1,2-Dibromo-3-chloropropane	0.707	mg/kg	0.00045	0.0016	ND
1,2-Dibromoethane	0.707	mg/kg	0.00040	0.00041	ND
1,2-Dichlorobenzene	0.707	mg/kg	0.00042	0.0016	ND
1,2-Dichloroethane	**0.707**	**mg/kg**	**0.00034**	0.0016	**0.00064J**
1,2-Dichloropropane	0.707	mg/kg	0.00067	0.0016	ND
1,3-Dichlorobenzene	0.707	mg/kg	0.00045	0.0016	ND
1,4-Dichlorobenzene	0.707	mg/kg	0.00044	0.0016	ND
1,4-Dioxane	0.707	mg/kg	0.040	0.082	ND
2-Butanone	0.707	mg/kg	0.00099	0.0016	ND
2-Hexanone	0.707	mg/kg	0.00070	0.0016	ND
4-Methyl-2-pentanone	0.707	mg/kg	0.00048	0.0016	ND
Acetone	0.707	mg/kg	0.0056	0.0082	ND
Benzene	0.707	mg/kg	0.00060	0.00082	ND
Bromochloromethane	0.707	mg/kg	0.00058	0.0016	ND
Bromodichloromethane	0.707	mg/kg	0.00039	0.0016	ND
Bromoform	0.707	mg/kg	0.00027	0.0016	ND
Bromomethane	0.707	mg/kg	0.0013	0.0016	ND
Carbon disulfide	0.707	mg/kg	0.0028	0.0028	ND
Carbon tetrachloride	0.707	mg/kg	0.00080	0.0016	ND
Chlorobenzene	**0.707**	**mg/kg**	**0.00051**	0.00082	**0.0053**
Chloroethane	0.707	mg/kg	0.0016	0.0016	ND
Chloroform	0.707	mg/kg	0.0011	0.0016	ND
Chloromethane	0.707	mg/kg	0.0010	0.0016	ND
cis-1,2-Dichloroethene	**0.707**	**mg/kg**	**0.00067**	0.0016	**0.0018**
cis-1,3-Dichloropropene	0.707	mg/kg	0.00044	0.0016	ND
Cyclohexane	0.707	mg/kg	0.00099	0.0016	ND
Dibromochloromethane	0.707	mg/kg	0.00035	0.0016	ND
Dichlorodifluoromethane	0.707	mg/kg	0.0012	0.0016	ND
Ethylbenzene	0.707	mg/kg	0.00057	0.00082	ND
Isopropylbenzene	0.707	mg/kg	0.00068	0.00082	ND
m&p-Xylenes	0.707	mg/kg	0.00099	0.00099	ND
Methyl Acetate	0.707	mg/kg	0.00079	0.0016	ND
Methylcyclohexane	0.707	mg/kg	0.00074	0.0016	ND
Methylene chloride	**0.707**	**mg/kg**	**0.00062**	0.0016	**0.0062**
Methyl-t-butyl ether	0.707	mg/kg	0.00044	0.00082	ND
o-Xylene	0.707	mg/kg	0.00058	0.00082	ND
Styrene	0.707	mg/kg	0.00045	0.0016	ND
Tetrachloroethene	**0.707**	**mg/kg**	**0.00081**	0.0016	**0.0070**
Toluene	0.707	mg/kg	0.00054	0.00082	ND
trans-1,2-Dichloroethene	0.707	mg/kg	0.00099	0.0016	ND
trans-1,3-Dichloropropene	0.707	mg/kg	0.00039	0.0016	ND
Trichloroethene	**0.707**	**mg/kg**	**0.00067**	0.0016	**0.010**
Trichlorofluoromethane	0.707	mg/kg	0.00097	0.0016	ND
Vinyl chloride	0.707	mg/kg	0.0010	0.0016	ND
Xylenes (Total)	0.707	mg/kg	0.00058	0.00082	ND

Sample ID: HSI-SB-21(6.5')
Lab#: AD23360-010
Matrix: Soil/Terracore

Collection Date: 5/11/2021
Receipt Date: 5/12/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		87

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	0.687	mg/kg	0.00073	0.0016	ND
1,1,2,2-Tetrachloroethane	**0.687**	**mg/kg**	**0.00036**	0.0016	**0.0011J**
1,1,2-Trichloro-1,2,2-trifluoroethane	0.687	mg/kg	0.0011	0.0016	ND
1,1,2-Trichloroethane	**0.687**	**mg/kg**	**0.00036**	0.0016	**0.00072J**
1,1-Dichloroethane	0.687	mg/kg	0.00069	0.0016	ND
1,1-Dichloroethene	0.687	mg/kg	0.00091	0.0016	ND
1,2,3-Trichlorobenzene	0.687	mg/kg	0.00043	0.0016	ND
1,2,4-Trichlorobenzene	0.687	mg/kg	0.00050	0.0016	ND
1,2-Dibromo-3-chloropropane	0.687	mg/kg	0.00043	0.0016	ND
1,2-Dibromoethane	0.687	mg/kg	0.00039	0.00039	ND
1,2-Dichlorobenzene	0.687	mg/kg	0.00040	0.0016	ND
1,2-Dichloroethane	0.687	mg/kg	0.00032	0.0016	ND
1,2-Dichloropropane	0.687	mg/kg	0.00065	0.0016	ND
1,3-Dichlorobenzene	0.687	mg/kg	0.00043	0.0016	ND
1,4-Dichlorobenzene	0.687	mg/kg	0.00042	0.0016	ND
1,4-Dioxane	0.687	mg/kg	0.038	0.079	ND
2-Butanone	0.687	mg/kg	0.00095	0.0016	ND
2-Hexanone	0.687	mg/kg	0.00067	0.0016	ND
4-Methyl-2-pentanone	0.687	mg/kg	0.00046	0.0016	ND
Acetone	**0.687**	**mg/kg**	**0.0053**	0.0079	**0.0070J**
Benzene	**0.687**	**mg/kg**	**0.00058**	0.00079	**0.0022**
Bromochloromethane	0.687	mg/kg	0.00055	0.0016	ND
Bromodichloromethane	0.687	mg/kg	0.00037	0.0016	ND
Bromoform	0.687	mg/kg	0.00026	0.0016	ND
Bromomethane	0.687	mg/kg	0.0012	0.0016	ND
Carbon disulfide	0.687	mg/kg	0.0027	0.0027	ND
Carbon tetrachloride	0.687	mg/kg	0.00077	0.0016	ND
Chlorobenzene	**0.687**	**mg/kg**	**0.00049**	0.00079	**0.056**
Chloroethane	0.687	mg/kg	0.0015	0.0016	ND
Chloroform	0.687	mg/kg	0.0011	0.0016	ND
Chloromethane	0.687	mg/kg	0.00097	0.0016	ND
cis-1,2-Dichloroethene	0.687	mg/kg	0.00064	0.0016	ND
cis-1,3-Dichloropropene	0.687	mg/kg	0.00042	0.0016	ND
Cyclohexane	0.687	mg/kg	0.00095	0.0016	ND
Dibromochloromethane	0.687	mg/kg	0.00034	0.0016	ND
Dichlorodifluoromethane	0.687	mg/kg	0.0011	0.0016	ND
Ethylbenzene	0.687	mg/kg	0.00054	0.00079	ND
Isopropylbenzene	0.687	mg/kg	0.00066	0.00079	ND
m&p-Xylenes	0.687	mg/kg	0.00095	0.00095	ND
Methyl Acetate	0.687	mg/kg	0.00076	0.0016	ND
Methylcyclohexane	0.687	mg/kg	0.00071	0.0016	ND
Methylene chloride	**0.687**	**mg/kg**	**0.00059**	0.0016	**0.0018**
Methyl-t-butyl ether	0.687	mg/kg	0.00043	0.00079	ND
o-Xylene	0.687	mg/kg	0.00056	0.00079	ND
Styrene	0.687	mg/kg	0.00043	0.0016	ND
Tetrachloroethene	0.687	mg/kg	0.00077	0.0016	ND
Toluene	0.687	mg/kg	0.00052	0.00079	ND
trans-1,2-Dichloroethene	0.687	mg/kg	0.00095	0.0016	ND
trans-1,3-Dichloropropene	0.687	mg/kg	0.00037	0.0016	ND
Trichloroethene	0.687	mg/kg	0.00065	0.0016	ND
Trichlorofluoromethane	0.687	mg/kg	0.00093	0.0016	ND
Vinyl chloride	0.687	mg/kg	0.00096	0.0016	ND
Xylenes (Total)	0.687	mg/kg	0.00056	0.00079	ND

Sample ID: HSI-SB-21(7.5')
Lab#: AD23360-011
Matrix: Soil/Terracore

Collection Date: 5/11/2021
Receipt Date: 5/12/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		86

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	0.665	mg/kg	0.00071	0.0015	ND
1,1,2,2-Tetrachloroethane	0.665	mg/kg	0.00035	0.0015	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.665	mg/kg	0.0011	0.0015	ND
1,1,2-Trichloroethane	0.665	mg/kg	0.00036	0.0015	ND
1,1-Dichloroethane	**0.665**	**mg/kg**	**0.00067**	0.0015	**0.00070J**
1,1-Dichloroethene	0.665	mg/kg	0.00089	0.0015	ND
1,2,3-Trichlorobenzene	0.665	mg/kg	0.00043	0.0015	ND
1,2,4-Trichlorobenzene	0.665	mg/kg	0.00049	0.0015	ND
1,2-Dibromo-3-chloropropane	0.665	mg/kg	0.00043	0.0015	ND
1,2-Dibromoethane	0.665	mg/kg	0.00038	0.00039	ND
1,2-Dichlorobenzene	0.665	mg/kg	0.00039	0.0015	ND
1,2-Dichloroethane	**0.665**	**mg/kg**	**0.00032**	0.0015	**0.00074J**
1,2-Dichloropropane	0.665	mg/kg	0.00063	0.0015	ND
1,3-Dichlorobenzene	0.665	mg/kg	0.00043	0.0015	ND
1,4-Dichlorobenzene	0.665	mg/kg	0.00041	0.0015	ND
1,4-Dioxane	0.665	mg/kg	0.038	0.077	ND
2-Butanone	**0.665**	**mg/kg**	**0.00093**	0.0015	**0.0011J**
2-Hexanone	0.665	mg/kg	0.00066	0.0015	ND
4-Methyl-2-pentanone	0.665	mg/kg	0.00045	0.0015	ND
Acetone	**0.665**	**mg/kg**	**0.0052**	0.0077	**0.0091**
Benzene	**0.665**	**mg/kg**	**0.00056**	0.00077	**0.012**
Bromochloromethane	0.665	mg/kg	0.00054	0.0015	ND
Bromodichloromethane	0.665	mg/kg	0.00036	0.0015	ND
Bromoform	0.665	mg/kg	0.00026	0.0015	ND
Bromomethane	0.665	mg/kg	0.0012	0.0015	ND
Carbon disulfide	0.665	mg/kg	0.0026	0.0026	ND
Carbon tetrachloride	0.665	mg/kg	0.00075	0.0015	ND
Chlorobenzene	**0.665**	**mg/kg**	**0.00048**	0.00077	**0.38**
Chloroethane	0.665	mg/kg	0.0015	0.0015	ND
Chloroform	0.665	mg/kg	0.0011	0.0015	ND
Chloromethane	0.665	mg/kg	0.00095	0.0015	ND
cis-1,2-Dichloroethene	0.665	mg/kg	0.00063	0.0015	ND
cis-1,3-Dichloropropene	0.665	mg/kg	0.00041	0.0015	ND
Cyclohexane	0.665	mg/kg	0.00093	0.0015	ND
Dibromochloromethane	0.665	mg/kg	0.00033	0.0015	ND
Dichlorodifluoromethane	0.665	mg/kg	0.0011	0.0015	ND
Ethylbenzene	**0.665**	**mg/kg**	**0.00053**	0.00077	**0.0046**
Isopropylbenzene	**0.665**	**mg/kg**	**0.00064**	0.00077	**0.0012**
m&p-Xylenes	**0.665**	**mg/kg**	**0.00093**	0.00093	**0.0014**
Methyl Acetate	0.665	mg/kg	0.00074	0.0015	ND
Methylcyclohexane	0.665	mg/kg	0.00070	0.0015	ND
Methylene chloride	**0.665**	**mg/kg**	**0.00058**	0.0015	**0.0027**
Methyl-t-butyl ether	0.665	mg/kg	0.00042	0.00077	ND
o-Xylene	**0.665**	**mg/kg**	**0.00055**	0.00077	**0.00064J**
Styrene	0.665	mg/kg	0.00043	0.0015	ND
Tetrachloroethene	0.665	mg/kg	0.00076	0.0015	ND
Toluene	0.665	mg/kg	0.00051	0.00077	ND
trans-1,2-Dichloroethene	0.665	mg/kg	0.00093	0.0015	ND
trans-1,3-Dichloropropene	0.665	mg/kg	0.00036	0.0015	ND
Trichloroethene	0.665	mg/kg	0.00063	0.0015	ND
Trichlorofluoromethane	0.665	mg/kg	0.00091	0.0015	ND
Vinyl chloride	0.665	mg/kg	0.00094	0.0015	ND
Xylenes (Total)	**0.665**	**mg/kg**	**0.00055**	0.00077	**0.0020**

Sample ID: HSI-SB-21(10.5')
Lab#: AD23360-012
Matrix: Soil/Terracore

Collection Date: 5/11/2021
Receipt Date: 5/12/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		84

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	70.6	mg/kg	0.030	0.084	ND
1,1,2,2-Tetrachloroethane	70.6	mg/kg	0.038	0.084	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	70.6	mg/kg	0.061	0.084	ND
1,1,2-Trichloroethane	70.6	mg/kg	0.027	0.084	ND
1,1-Dichloroethane	70.6	mg/kg	0.036	0.084	ND
1,1-Dichloroethene	70.6	mg/kg	0.045	0.084	ND
1,2,3-Trichlorobenzene	70.6	mg/kg	0.066	0.084	ND
1,2,4-Trichlorobenzene	70.6	mg/kg	0.061	0.084	ND
1,2-Dibromo-3-chloropropane	70.6	mg/kg	0.070	0.084	ND
1,2-Dibromoethane	70.6	mg/kg	0.029	0.084	ND
1,2-Dichlorobenzene	70.6	mg/kg	0.027	0.084	ND
1,2-Dichloroethane	70.6	mg/kg	0.054	0.054	ND
1,2-Dichloropropane	70.6	mg/kg	0.025	0.084	ND
1,3-Dichlorobenzene	70.6	mg/kg	0.032	0.084	ND
1,4-Dichlorobenzene	70.6	mg/kg	0.031	0.084	ND
1,4-Dioxane	70.6	mg/kg	3.3	4.2	ND
2-Butanone	70.6	mg/kg	0.063	0.084	ND
2-Hexanone	70.6	mg/kg	0.050	0.084	ND
4-Methyl-2-pentanone	70.6	mg/kg	0.041	0.084	ND
Acetone	70.6	mg/kg	0.38	0.42	ND
Benzene	70.6	mg/kg	0.025	0.042	ND
Bromochloromethane	70.6	mg/kg	0.066	0.084	ND
Bromodichloromethane	70.6	mg/kg	0.029	0.084	ND
Bromoform	70.6	mg/kg	0.045	0.084	ND
Bromomethane	70.6	mg/kg	0.042	0.084	ND
Carbon disulfide	70.6	mg/kg	0.036	0.084	ND
Carbon tetrachloride	70.6	mg/kg	0.027	0.084	ND
Chlorobenzene	**70.6**	**mg/kg**	**0.028**	0.084	**0.72**
Chloroethane	70.6	mg/kg	0.049	0.084	ND
Chloroform	70.6	mg/kg	0.17	0.17	ND
Chloromethane	70.6	mg/kg	0.043	0.084	ND
cis-1,2-Dichloroethene	70.6	mg/kg	0.053	0.084	ND
cis-1,3-Dichloropropene	70.6	mg/kg	0.027	0.084	ND
Cyclohexane	70.6	mg/kg	0.041	0.084	ND
Dibromochloromethane	70.6	mg/kg	0.020	0.084	ND
Dichlorodifluoromethane	70.6	mg/kg	0.052	0.084	ND
Ethylbenzene	70.6	mg/kg	0.039	0.084	ND
Isopropylbenzene	70.6	mg/kg	0.041	0.084	ND
m&p-Xylenes	70.6	mg/kg	0.071	0.084	ND
Methyl Acetate	70.6	mg/kg	0.059	0.084	ND
Methylcyclohexane	70.6	mg/kg	0.052	0.084	ND
Methylene chloride	70.6	mg/kg	0.025	0.084	ND
Methyl-t-butyl ether	70.6	mg/kg	0.026	0.042	ND
o-Xylene	70.6	mg/kg	0.057	0.084	ND
Styrene	70.6	mg/kg	0.046	0.084	ND
Tetrachloroethene	70.6	mg/kg	0.030	0.084	ND
Toluene	**70.6**	**mg/kg**	**0.027**	0.084	**0.10**
trans-1,2-Dichloroethene	70.6	mg/kg	0.026	0.084	ND
trans-1,3-Dichloropropene	70.6	mg/kg	0.026	0.084	ND
Trichloroethene	70.6	mg/kg	0.029	0.084	ND
Trichlorofluoromethane	70.6	mg/kg	0.026	0.084	ND
Vinyl chloride	70.6	mg/kg	0.059	0.084	ND
Xylenes (Total)	70.6	mg/kg	0.057	0.084	ND

Sample ID: HSI-SB-21(11')
Lab#: AD23360-013
Matrix: Soil/Terracore

Collection Date: 5/11/2021
Receipt Date: 5/12/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		84

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	0.729	mg/kg	0.00080	0.0017	ND
1,1,2,2-Tetrachloroethane	0.729	mg/kg	0.00039	0.0017	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.729	mg/kg	0.0012	0.0017	ND
1,1,2-Trichloroethane	0.729	mg/kg	0.00040	0.0017	ND
1,1-Dichloroethane	**0.729**	**mg/kg**	**0.00075**	0.0017	**0.0011J**
1,1-Dichloroethene	0.729	mg/kg	0.0010	0.0017	ND
1,2,3-Trichlorobenzene	0.729	mg/kg	0.00048	0.0017	ND
1,2,4-Trichlorobenzene	0.729	mg/kg	0.00055	0.0017	ND
1,2-Dibromo-3-chloropropane	0.729	mg/kg	0.00048	0.0017	ND
1,2-Dibromoethane	0.729	mg/kg	0.00043	0.00043	ND
1,2-Dichlorobenzene	0.729	mg/kg	0.00044	0.0017	ND
1,2-Dichloroethane	0.729	mg/kg	0.00036	0.0017	ND
1,2-Dichloropropane	0.729	mg/kg	0.00071	0.0017	ND
1,3-Dichlorobenzene	0.729	mg/kg	0.00048	0.0017	ND
1,4-Dichlorobenzene	0.729	mg/kg	0.00046	0.0017	ND
1,4-Dioxane	0.729	mg/kg	0.042	0.087	ND
2-Butanone	**0.729**	**mg/kg**	**0.0010**	0.0017	**0.0020**
2-Hexanone	0.729	mg/kg	0.00074	0.0017	ND
4-Methyl-2-pentanone	0.729	mg/kg	0.00050	0.0017	ND
Acetone	**0.729**	**mg/kg**	**0.0059**	0.0087	**0.014**
Benzene	**0.729**	**mg/kg**	**0.00063**	0.00087	**0.010**
Bromochloromethane	0.729	mg/kg	0.00061	0.0017	ND
Bromodichloromethane	0.729	mg/kg	0.00041	0.0017	ND
Bromoform	0.729	mg/kg	0.00029	0.0017	ND
Bromomethane	0.729	mg/kg	0.0014	0.0017	ND
Carbon disulfide	**0.729**	**mg/kg**	**0.0030**	0.0030	**0.020**
Carbon tetrachloride	0.729	mg/kg	0.00084	0.0017	ND
Chlorobenzene	**0.729**	**mg/kg**	**0.00054**	0.00087	**0.37**
Chloroethane	0.729	mg/kg	0.0017	0.0017	ND
Chloroform	0.729	mg/kg	0.0012	0.0017	ND
Chloromethane	0.729	mg/kg	0.0011	0.0017	ND
cis-1,2-Dichloroethene	0.729	mg/kg	0.00070	0.0017	ND
cis-1,3-Dichloropropene	0.729	mg/kg	0.00046	0.0017	ND
Cyclohexane	0.729	mg/kg	0.0010	0.0017	ND
Dibromochloromethane	0.729	mg/kg	0.00037	0.0017	ND
Dichlorodifluoromethane	0.729	mg/kg	0.0012	0.0017	ND
Ethylbenzene	**0.729**	**mg/kg**	**0.00060**	0.00087	**0.0054**
Isopropylbenzene	0.729	mg/kg	0.00072	0.00087	ND
m&p-Xylenes	**0.729**	**mg/kg**	**0.0010**	0.0010	**0.012**
Methyl Acetate	0.729	mg/kg	0.00083	0.0017	ND
Methylcyclohexane	0.729	mg/kg	0.00078	0.0017	ND
Methylene chloride	**0.729**	**mg/kg**	**0.00065**	0.0017	**0.0023**
Methyl-t-butyl ether	0.729	mg/kg	0.00047	0.00087	ND
o-Xylene	**0.729**	**mg/kg**	**0.00062**	0.00087	**0.0037**
Styrene	0.729	mg/kg	0.00048	0.0017	ND
Tetrachloroethene	0.729	mg/kg	0.00085	0.0017	ND
Toluene	**0.729**	**mg/kg**	**0.00057**	0.00087	**0.16**
trans-1,2-Dichloroethene	0.729	mg/kg	0.0010	0.0017	ND
trans-1,3-Dichloropropene	0.729	mg/kg	0.00041	0.0017	ND
Trichloroethene	0.729	mg/kg	0.00071	0.0017	ND
Trichlorofluoromethane	0.729	mg/kg	0.0010	0.0017	ND
Vinyl chloride	0.729	mg/kg	0.0011	0.0017	ND
Xylenes (Total)	**0.729**	**mg/kg**	**0.00062**	0.00087	**0.016**

Sample ID: HSI-SB-21(13.5')
Lab#: AD23360-014
Matrix: Soil/Terracore

Collection Date: 5/11/2021
Receipt Date: 5/12/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		81

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	0.723	mg/kg	0.00082	0.0018	ND
1,1,2,2-Tetrachloroethane	**0.723**	**mg/kg**	**0.00040**	0.0018	**0.0016J**
1,1,2-Trichloro-1,2,2-trifluoroethane	0.723	mg/kg	0.0012	0.0018	ND
1,1,2-Trichloroethane	0.723	mg/kg	0.00041	0.0018	ND
1,1-Dichloroethane	**0.723**	**mg/kg**	**0.00078**	0.0018	**0.0013J**
1,1-Dichloroethene	0.723	mg/kg	0.0010	0.0018	ND
1,2,3-Trichlorobenzene	0.723	mg/kg	0.00049	0.0018	ND
1,2,4-Trichlorobenzene	0.723	mg/kg	0.00056	0.0018	ND
1,2-Dibromo-3-chloropropane	0.723	mg/kg	0.00049	0.0018	ND
1,2-Dibromoethane	0.723	mg/kg	0.00044	0.00045	ND
1,2-Dichlorobenzene	0.723	mg/kg	0.00045	0.0018	ND
1,2-Dichloroethane	**0.723**	**mg/kg**	**0.00037**	0.0018	**0.0069**
1,2-Dichloropropane	0.723	mg/kg	0.00073	0.0018	ND
1,3-Dichlorobenzene	0.723	mg/kg	0.00049	0.0018	ND
1,4-Dichlorobenzene	0.723	mg/kg	0.00047	0.0018	ND
1,4-Dioxane	0.723	mg/kg	0.043	0.089	ND
2-Butanone	0.723	mg/kg	0.0011	0.0018	ND
2-Hexanone	0.723	mg/kg	0.00076	0.0018	ND
4-Methyl-2-pentanone	0.723	mg/kg	0.00052	0.0018	ND
Acetone	**0.723**	**mg/kg**	**0.0060**	0.0089	**0.0070J**
Benzene	**0.723**	**mg/kg**	**0.00065**	0.00089	**0.0063**
Bromochloromethane	0.723	mg/kg	0.00062	0.0018	ND
Bromodichloromethane	0.723	mg/kg	0.00042	0.0018	ND
Bromoform	0.723	mg/kg	0.00029	0.0018	ND
Bromomethane	0.723	mg/kg	0.0014	0.0018	ND
Carbon disulfide	0.723	mg/kg	0.0030	0.0030	ND
Carbon tetrachloride	0.723	mg/kg	0.00087	0.0018	ND
Chlorobenzene	**0.723**	**mg/kg**	**0.00055**	0.00089	**0.097**
Chloroethane	0.723	mg/kg	0.0017	0.0018	ND
Chloroform	0.723	mg/kg	0.0012	0.0018	ND
Chloromethane	0.723	mg/kg	0.0011	0.0018	ND
cis-1,2-Dichloroethene	**0.723**	**mg/kg**	**0.00072**	0.0018	**0.064**
cis-1,3-Dichloropropene	0.723	mg/kg	0.00047	0.0018	ND
Cyclohexane	0.723	mg/kg	0.0011	0.0018	ND
Dibromochloromethane	0.723	mg/kg	0.00038	0.0018	ND
Dichlorodifluoromethane	0.723	mg/kg	0.0013	0.0018	ND
Ethylbenzene	0.723	mg/kg	0.00062	0.00089	ND
Isopropylbenzene	0.723	mg/kg	0.00074	0.00089	ND
m&p-Xylenes	0.723	mg/kg	0.0011	0.0011	ND
Methyl Acetate	0.723	mg/kg	0.00086	0.0018	ND
Methylcyclohexane	0.723	mg/kg	0.00080	0.0018	ND
Methylene chloride	**0.723**	**mg/kg**	**0.00067**	0.0018	**0.0049**
Methyl-t-butyl ether	**0.723**	**mg/kg**	**0.00048**	0.00089	**0.0033**
o-Xylene	0.723	mg/kg	0.00063	0.00089	ND
Styrene	0.723	mg/kg	0.00049	0.0018	ND
Tetrachloroethene	0.723	mg/kg	0.00087	0.0018	ND
Toluene	0.723	mg/kg	0.00059	0.00089	ND
trans-1,2-Dichloroethene	**0.723**	**mg/kg**	**0.0011**	0.0018	**0.017**
trans-1,3-Dichloropropene	0.723	mg/kg	0.00042	0.0018	ND
Trichloroethene	**0.723**	**mg/kg**	**0.00073**	0.0018	**0.0015J**
Trichlorofluoromethane	0.723	mg/kg	0.0011	0.0018	ND
Vinyl chloride	**0.723**	**mg/kg**	**0.0011**	0.0018	**0.021**
Xylenes (Total)	0.723	mg/kg	0.00063	0.00089	ND

Sample ID: HSI-SB-D1
Lab#: AD23360-015
Matrix: Soil/Terracore

Collection Date: 5/11/2021
Receipt Date: 5/12/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		80

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	84.3	mg/kg	0.038	0.11	ND
1,1,2,2-Tetrachloroethane	84.3	mg/kg	0.047	0.11	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	84.3	mg/kg	0.077	0.11	ND
1,1,2-Trichloroethane	84.3	mg/kg	0.034	0.11	ND
1,1-Dichloroethane	84.3	mg/kg	0.045	0.11	ND
1,1-Dichloroethene	84.3	mg/kg	0.056	0.11	ND
1,2,3-Trichlorobenzene	84.3	mg/kg	0.083	0.11	ND
1,2,4-Trichlorobenzene	84.3	mg/kg	0.077	0.11	ND
1,2-Dibromo-3-chloropropane	84.3	mg/kg	0.088	0.11	ND
1,2-Dibromoethane	84.3	mg/kg	0.036	0.11	ND
1,2-Dichlorobenzene	84.3	mg/kg	0.034	0.11	ND
1,2-Dichloroethane	84.3	mg/kg	0.067	0.067	ND
1,2-Dichloropropane	84.3	mg/kg	0.032	0.11	ND
1,3-Dichlorobenzene	84.3	mg/kg	0.040	0.11	ND
1,4-Dichlorobenzene	84.3	mg/kg	0.039	0.11	ND
1,4-Dioxane	84.3	mg/kg	4.1	5.3	ND
2-Butanone	84.3	mg/kg	0.079	0.11	ND
2-Hexanone	84.3	mg/kg	0.063	0.11	ND
4-Methyl-2-pentanone	84.3	mg/kg	0.051	0.11	ND
Acetone	84.3	mg/kg	0.48	0.53	ND
Benzene	**84.3**	**mg/kg**	**0.031**	0.053	**0.060**
Bromochloromethane	84.3	mg/kg	0.083	0.11	ND
Bromodichloromethane	84.3	mg/kg	0.036	0.11	ND
Bromoform	84.3	mg/kg	0.057	0.11	ND
Bromomethane	84.3	mg/kg	0.053	0.11	ND
Carbon disulfide	84.3	mg/kg	0.045	0.11	ND
Carbon tetrachloride	84.3	mg/kg	0.034	0.11	ND
Chlorobenzene	**84.3**	**mg/kg**	**0.035**	0.11	**2.0**
Chloroethane	84.3	mg/kg	0.061	0.11	ND
Chloroform	84.3	mg/kg	0.21	0.21	ND
Chloromethane	84.3	mg/kg	0.054	0.11	ND
cis-1,2-Dichloroethene	84.3	mg/kg	0.067	0.11	ND
cis-1,3-Dichloropropene	84.3	mg/kg	0.034	0.11	ND
Cyclohexane	84.3	mg/kg	0.051	0.11	ND
Dibromochloromethane	84.3	mg/kg	0.025	0.11	ND
Dichlorodifluoromethane	84.3	mg/kg	0.065	0.11	ND
Ethylbenzene	84.3	mg/kg	0.049	0.11	ND
Isopropylbenzene	84.3	mg/kg	0.052	0.11	ND
m&p-Xylenes	84.3	mg/kg	0.090	0.11	ND
Methyl Acetate	84.3	mg/kg	0.074	0.11	ND
Methylcyclohexane	84.3	mg/kg	0.065	0.11	ND
Methylene chloride	**84.3**	**mg/kg**	**0.031**	0.11	ND
Methyl-t-butyl ether	84.3	mg/kg	0.033	0.053	ND
o-Xylene	84.3	mg/kg	0.072	0.11	ND
Styrene	84.3	mg/kg	0.057	0.11	ND
Tetrachloroethene	84.3	mg/kg	0.038	0.11	ND
Toluene	**84.3**	**mg/kg**	**0.034**	0.11	**0.61**
trans-1,2-Dichloroethene	84.3	mg/kg	0.033	0.11	ND
trans-1,3-Dichloropropene	84.3	mg/kg	0.032	0.11	ND
Trichloroethene	84.3	mg/kg	0.036	0.11	ND
Trichlorofluoromethane	84.3	mg/kg	0.032	0.11	ND
Vinyl chloride	84.3	mg/kg	0.074	0.11	ND
Xylenes (Total)	84.3	mg/kg	0.072	0.11	ND

HC Reporting Limit Definitions/Data Qualifiers

REPORTING DEFINITIONS

DF = Dilution Factor

LCS = Laboratory Control Spike

MBS = Method Blank Spike

MS = Matrix Spike

MSD = Matrix Spike Duplicate

MDL = Method Detection Limit

NA = Not Applicable

ND = Not Detected

PS = Post Digestion Spike

RL* = Reporting Limit

RT = Retention Time

**Samples with elevated Reporting Limits (RLs) as a result of a dilution may not achieve client reporting limits in some cases. The elevated RLs are unavoidable consequences of sample dilution required to quantitate target analytes that exceed the calibration range of the instrument.*

DATA QUALIFIERS

A- Indicates that the Tentatively Identified Compound (TIC) is suspected to be an aldol-condensation product. These compounds are by-products of acetone and methylene chloride used in the extraction process.

B- Indicates analyte was present in the Method Blank and sample.

d- For Pesticide and PCB analysis, the concentration between primary and secondary columns is greater than 40%. The lower concentration is generally reported.

E- Indicates the concentration exceeded the upper calibration range of the instrument.

J- Indicates the value is estimated because it is either a Tentatively Identified Compound (TIC) or the reported concentration is greater than the MDL but less than the RL. For samples results between the MDL and RL there is a possibility of false positives or misidentification at the quantitation levels. Additionally, the acceptance criteria for QC samples may not be met.

R- Retention Time is out.

Y- Indicates a contaminant found in the blank at less than 10% of the concentration of a contaminant found in the sample.

Laboratory Chronicle

Client: Chesapeake Geosciences Inc
HC Project #: 1051227
Project: Hot Spot Refinement Study

Lab#: AD23360-001 **Sample ID: HSI-SB-11 (3')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/13/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/21/21 12:53	SG

Lab#: AD23360-002 **Sample ID: HSI-SB-11 (5.75')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/13/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/17/21 13:27	SG

Lab#: AD23360-003 **Sample ID: HSI-SB-11 (7.75')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/13/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/17/21 13:46	SG

Lab#: AD23360-004 **Sample ID: HSI-SB-12 (3.5')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/13/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/17/21 17:32	SG

Lab#: AD23360-005 **Sample ID: HSI-SB-12 (9')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/13/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/17/21 17:53	SG

Laboratory Chronicle

Client: Chesapeake Geosciences Inc
Project: Hot Spot Refinement Study

HC Project #: 1051227

Lab#: AD23360-006 **Sample ID: HSI-SB-12(11.5')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/13/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/17/21 14:24	SG

Lab#: AD23360-007 **Sample ID: HSI-SB-13(4')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/13/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/17/21 14:05	SG

Lab#: AD23360-008 **Sample ID: HSI-SB-13(5.5')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/13/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/17/21 16:37	SG

Lab#: AD23360-009 **Sample ID: HSI-SB-21(4')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/13/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/17/21 16:56	SG

Lab#: AD23360-010 **Sample ID: HSI-SB-21(6.5')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/13/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/15/21 02:20	WP

Laboratory Chronicle

Client: Chesapeake Geosciences Inc
HC Project #: 1051227
Project: Hot Spot Refinement Study

Lab#: AD23360-011 **Sample ID: HSI-SB-21(7.5')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/13/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/15/21 02:39	WP

Lab#: AD23360-012 **Sample ID: HSI-SB-21(10.5')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/13/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/17/21 16:06	SG

Lab#: AD23360-013 **Sample ID: HSI-SB-21(11')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/13/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/17/21 17:53	SG

Lab#: AD23360-014 **Sample ID: HSI-SB-21(13.5')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/13/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/17/21 17:15	SG

Lab#: AD23360-015 **Sample ID: HSI-SB-D1**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/13/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/17/21 18:36	SG

Chain of Custody

1051227 0027

Hampton-Clarke, Inc. (WBE/DBE/SBE)

175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

Hampton-Clarke WBE/DBE/SBE 800-426-9992
A Women-Owned, Disadvantaged, Small Business Enterprise

CHAIN OF CUSTODY RECORD

Project # (Lab Use Only): 1051227

Customer Information

1a) Customer: Chesapeake Geo Sciences (CGS)
Address: 5405 Twin Knolls Rd, Suite 1
Columbia, MD 21045
1b) Email/Cell/Fax/Ph: nlove@cgs.us.com
1c) Send Invoice to: Nancy Love
1d) Send Report to: Nancy Love

Project Information

2a) Project: Hot Spot Refinement Study Montgomery Brothers Dump
2b) Project Mgr: Nancy Love
2c) Project Location (City/State): North East, MD
2d) Quote/PO # (If Applicable): CG09042314MS

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Data Deliv.
When Available:	Summary	NJ Hazsite
1 Business Day (100%)*	Results + QC (Waste)	Excel Reg. NJ / NY / PA
2 Business Days (75%)*	Reduced:	EnviroData
3 Business Days (50%)*	[ ] NJ [ ] NY	EQuIS:
4 Business Days (35%)*	[ ] PA [X] Other MD	[ ] 4-File [ ] EZ
5 Business Days (25%)	NJ Full / NY ASP CatB	[ ] NYDEC
8 Business Days (Stand.)	NY ASP CatA	[ ] Region 2 or 5
Other:		Other:

* Expedited TAT Not Always Available. Please Check with Lab.

FOR LAB USE ONLY ↓

Batch # AD23360

===> Check If Contingent ===>

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis (specify methods & parameter lists)

<=== Check If Contingent <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	VOCs 8260	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other: Terracore	9) Comments
001	HSI-SB-11 (3')	S	5/11/21	10:15			X	X	5/12/21	X	5/12/21				X	
002	HSI-SB-11 (5.75)	S		10:20			X			X						
003	HSI-SB-11 (7.75)	S		10:25			X			X						
004	HSI-SB-12 (3.5')	S		13:20			X			X						
005	HSI-SB-12 (9')	S		13:30			X			X						
006	HSI-SB-12 (11.5)	S		13:46			X			X						
007	HSI-SB-13 (4')	S		12:00			X			X						
008	HSI-SB-13 (5.5)	S		12:05			X			X						
009	HSI-SB-21 (4')	S		14:50			X			X						
010	HSI-SB-21 (6.5')	S		15:00			X			X						

10) Relinquished by:	Accepted by:	Date	Time
		5/12/21	0821
	John Burnell	5/12/21	12:28
John Burnell	Carl Jones	5/12/21	13:45

11) Sampler (print name): Meg Staines Date: 5/11/21

Additional Notes
MDE RMS Contract Rates

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- [ ] BN or BNA (8270D SIM)
- [ ] VOC (8260C SIM or 8011)
- [ ] SPLP (BN, BNA, Metals)
- [ ] 1,4 Dioxane

For NJ LSRP projects, indicate which standards need to be met:
- [ ] NJDEP GWQS
- [ ] NJDEP SRS
- [ ] NJDEP SPLP
- [ ] Other (specify):

Check if applicable:
- [ ] Project-Specific Reporting Limits
- [ ] High Contaminant Concentrations
- [ ] NJ LSRP Project (also check boxes above/right)

Cooler Temperature: 2.6

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

Internal use: sampling plan (check box) HC [ ] or client [ ] FSP#

1051227 0028

Hampton-Clarke, Inc. (WBE/DBE/SBE)

175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

Hampton-Clarke WBE/DBE/SBE 800-426-9992
A Women-Owned, Disadvantaged, Small Business Enterprise

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

CHAIN OF CUSTODY RECORD

Project # (Lab Use Only): 1051227

Customer Information

1a) Customer: Chesapeake GeoSciences
Address: 5405 Twin Knolls Rd, Suite 1
Columbia, MD 21045
1b) Email/Cell/Fax/Ph: nlove@cgs.us.com
1c) Send Invoice to: Nancy Love
1d) Send Report to: Nancy Love

Project Information

2a) Project: Hot Spot Re-Treatment Study Montgomery Brothers Dump
2b) Project Mgr: Nancy Love
2c) Project Location (City/State): North East, MD
2d) Quote/PO # (If Applicable): CQC90423/4 MS

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Data Deliv.
When Available:	Summary	NJ Hazsite
1 Business Day (100%)*	Results + QC (Waste)	Excel Reg. NJ / NY / PA
2 Business Days (75%)*	Reduced:	EnviroData
3 Business Days (50%)*	[ ] NJ [ ] NY	EQuIS:
4 Business Days (35%)*	[ ] PA [X] Other MD	[ ] 4-File [ ] EZ
5 Business Days (25%)	NJ Full / NY ASP CatB	[ ] NYDEC
8 Business Days (Stand.)	NY ASP CatA	[ ] Region 2 or 5
Other:		Other:

* Expedited TAT Not Always Available. Please Check with Lab.

FOR LAB USE ONLY ↓

Batch # AD23360

===> Check If Contingent ===>

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis (specify methods & parameter lists)

<=== Check If Contingent <===

8) # of Bottles

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type Composite (C)	Sample Type Grab (G)	VOCs 8260	None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other: Terracore	9) Comments
011	HSI-SB-21 (7.5')	S	5/11/21	15:10			X			X	CG 5/12/21				X	
012	HSI-SB-21 (10.5')	S		15:40			X			X						
013	HSI-SB-21 (11')	S		15:50			X		CG 5/12/21	X						
014	HSI-SB-21 (13.5')	S		16:00			X			X						
015	HSI-SB-D1	S	↓	00:00			X			X						

CG 5/12/21

10) Relinquished by: Meg Staines

Accepted by: John Burnell

Date	Time
5/12/21	0830
5/12/21	12:26
5/12/21	13:45

11) Sampler (print name): Meg Staines Date: 5/11/21

Additional Notes
MDE RMS Contract Rates

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- [ ] BN or BNA (8270D SIM)
- [ ] VOC (8260C SIM or 8011)
- [ ] SPLP (BN, BNA, Metals)
- [ ] 1,4 Dioxane

For NJ LSRP projects, indicate which standards need to be met:
- [ ] NJDEP GWQS
- [ ] NJDEP SRS
- [ ] NJDEP SPLP
- [ ] Other (specify):

Check if applicable:
- [ ] Project-Specific Reporting Limits
- [ ] High Contaminant Concentrations
- [ ] NJ LSRP Project (also check boxes above/right)

Cooler Temperature

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

Internal use: sampling plan (check box) HC [ ] or client [ ] FSP#

CONDITION UPON RECEIPT

Batch Number AD23360 Entered By: cquinones
Date Entered 5/12/2021 5:36:00 PM

1	Yes	Is there a corresponding COC included with the samples?
2	Yes	Are the samples in a container such as a cooler or Ice chest?
3	Yes	Are the COC seals intact?
4	T-461	<--- Thermometer ID. Please specify the Temperature inside the container (in degC). 2.6 C
5	Yes	Are the samples refrigerated (where required)/have they arrived on ice?
6	Yes	Are the samples within the holding times for the parameters listed on the COC? IF no, list parameters and samples:
7	Yes	Are all of the sample bottles intact? If no, specify sample numbers broken/leaking
8	Yes	Are all of the sample labels or numbers legible? If no specify:
9	Yes	Do the contents match the COC? If no, specify
10	Yes	Is there enough sample sent for the analyses listed on the COC? If no, specify:
11	Yes	Are samples preserved correctly?
12	Yes	Was temperature blank present (Place comment below if not)? If not was temperature of samples verified?
13	NA	Other comments ...Specify (TB date, sample matrix, any missing info, etc.)
14	NA	Corrective actions (Specify item number and corrective action taken).
15	NA	Were any samples for ortho-phosphate or dissolved ferrous iron field filtered?

Internal Chain of Custody

1051227 0030

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AD23360-001	05/12/21 13:45	CQUI	0	M	Received
AD23360-001	05/12/21 17:36	CQUI	0	M	Login
AD23360-001	05/12/21 17:52	R12	1	A	NONE
AD23360-001	05/12/21 23:03	R12	1	A	NONE
AD23360-001	05/12/21 23:03	PA	1	A	mx
AD23360-001	05/13/21 08:42	BCT	1	A	SOLIDS
AD23360-001	05/13/21 10:58	R12	1	A	NONE
AD23360-001	05/12/21 18:18	R31	2	A	NONE
AD23360-001	05/12/21 22:05	WP	2	A	VOA
AD23360-001	05/12/21 22:07	R31	2	A	NONE
AD23360-001	05/21/21 11:31	WP	2	M	VOA
AD23360-001	05/21/21 18:32	R31	2	A	NONE
AD23360-001	05/12/21 18:19	F18	3	A	none
AD23360-001	05/14/21 17:50	WP	3	A	VOA
AD23360-001	05/17/21 06:42	F19	3	M	NONE
AD23360-001	05/17/21 13:55	SG	3	A	VOA
AD23360-001	05/12/21 18:19	F18	4	A	none
AD23360-001	05/17/21 21:20	WP	4	A	VOA
AD23360-002	05/12/21 13:45	CQUI	0	M	Received
AD23360-002	05/12/21 17:36	CQUI	0	M	Login
AD23360-002	05/12/21 17:52	R12	1	A	NONE
AD23360-002	05/12/21 23:03	R12	1	A	NONE
AD23360-002	05/12/21 23:03	PA	1	A	mx
AD23360-002	05/13/21 08:42	BCT	1	A	SOLIDS
AD23360-002	05/13/21 10:58	R12	1	A	NONE
AD23360-002	05/12/21 18:18	R31	2	A	NONE
AD23360-002	05/12/21 22:05	WP	2	A	VOA
AD23360-002	05/12/21 22:07	R31	2	A	NONE
AD23360-002	05/12/21 18:19	F18	3	A	none
AD23360-002	05/14/21 17:50	WP	3	A	VOA
AD23360-002	05/12/21 18:19	F18	4	A	none
AD23360-002	05/17/21 12:44	SG	4	A	VOA
AD23360-003	05/12/21 13:45	CQUI	0	M	Received
AD23360-003	05/12/21 17:36	CQUI	0	M	Login
AD23360-003	05/12/21 17:52	R12	1	A	NONE
AD23360-003	05/12/21 23:03	PA	1	A	mx
AD23360-003	05/12/21 23:03	R12	1	A	NONE
AD23360-003	05/13/21 08:42	BCT	1	A	SOLIDS
AD23360-003	05/13/21 10:58	R12	1	A	NONE
AD23360-003	05/12/21 18:18	R31	2	A	NONE
AD23360-003	05/12/21 22:05	WP	2	A	VOA
AD23360-003	05/12/21 22:07	R31	2	A	NONE
AD23360-003	05/12/21 18:19	F18	3	A	none
AD23360-003	05/14/21 17:50	WP	3	A	VOA
AD23360-003	05/12/21 18:19	F18	4	A	none
AD23360-003	05/17/21 12:44	SG	4	A	VOA
AD23360-004	05/12/21 13:45	CQUI	0	M	Received
AD23360-004	05/12/21 17:36	CQUI	0	M	Login
AD23360-004	05/12/21 17:52	R12	1	A	NONE
AD23360-004	05/12/21 23:03	PA	1	A	mx
AD23360-004	05/12/21 23:03	R12	1	A	NONE
AD23360-004	05/13/21 08:42	BCT	1	A	SOLIDS
AD23360-004	05/13/21 10:58	R12	1	A	NONE
AD23360-004	05/12/21 18:18	R31	2	A	NONE
AD23360-004	05/12/21 22:05	WP	2	A	VOA
AD23360-004	05/12/21 22:07	R31	2	A	NONE
AD23360-004	05/17/21 14:00	R31	2	A	NONE
AD23360-004	05/17/21 14:00	SG	2	A	VOA
AD23360-004	05/12/21 18:19	F18	3	A	none
AD23360-004	05/14/21 17:50	WP	3	A	VOA
AD23360-004	05/12/21 18:19	F18	4	A	none
AD23360-005	05/12/21 13:45	CQUI	0	M	Received
AD23360-005	05/12/21 17:36	CQUI	0	M	Login
AD23360-005	05/12/21 17:52	R12	1	A	NONE
AD23360-005	05/12/21 23:03	PA	1	A	mx
AD23360-005	05/12/21 23:03	R12	1	A	NONE
AD23360-005	05/13/21 08:42	BCT	1	A	SOLIDS
AD23360-005	05/13/21 10:58	R12	1	A	NONE
AD23360-005	05/12/21 18:18	R31	2	A	NONE
AD23360-005	05/12/21 22:05	WP	2	A	VOA
AD23360-005	05/12/21 22:07	R31	2	A	NONE
AD23360-005	05/17/21 14:00	R31	2	A	NONE
AD23360-005	05/17/21 14:00	SG	2	A	VOA
AD23360-005	05/12/21 18:19	F18	3	A	none
AD23360-005	05/14/21 17:50	WP	3	A	VOA
AD23360-005	05/12/21 18:19	F18	4	A	none
AD23360-006	05/12/21 13:45	CQUI	0	M	Received
AD23360-006	05/12/21 17:36	CQUI	0	M	Login
AD23360-006	05/12/21 17:52	R12	1	A	NONE
AD23360-006	05/12/21 23:03	R12	1	A	NONE
AD23360-006	05/12/21 23:03	PA	1	A	mx
AD23360-006	05/13/21 08:42	BCT	1	A	SOLIDS
AD23360-006	05/13/21 10:58	R12	1	A	NONE
AD23360-006	05/12/21 18:18	R31	2	A	NONE
AD23360-006	05/12/21 22:05	WP	2	A	VOA
AD23360-006	05/12/21 22:07	R31	2	A	NONE
AD23360-006	05/12/21 18:19	F18	3	A	none
AD23360-006	05/14/21 17:50	WP	3	A	VOA
AD23360-006	05/12/21 18:19	F18	4	A	none
AD23360-006	05/17/21 12:44	SG	4	A	VOA
AD23360-007	05/12/21 13:45	CQUI	0	M	Received
AD23360-007	05/12/21 17:36	CQUI	0	M	Login
AD23360-007	05/12/21 17:52	R12	1	A	NONE
AD23360-007	05/12/21 23:03	PA	1	A	mx
AD23360-007	05/12/21 23:03	R12	1	A	NONE
AD23360-007	05/13/21 08:42	BCT	1	A	SOLIDS
AD23360-007	05/13/21 10:58	R12	1	A	NONE
AD23360-007	05/12/21 18:18	R31	2	A	NONE
AD23360-007	05/12/21 22:05	WP	2	A	VOA
AD23360-007	05/12/21 22:07	R31	2	A	NONE
AD23360-007	05/12/21 18:19	F18	3	A	none
AD23360-007	05/14/21 17:50	WP	3	A	VOA
AD23360-007	05/12/21 18:19	F18	4	A	none
AD23360-007	05/17/21 12:44	SG	4	A	VOA
AD23360-008	05/12/21 13:45	CQUI	0	M	Received
AD23360-008	05/12/21 17:36	CQUI	0	M	Login
AD23360-008	05/12/21 17:52	R12	1	A	NONE
AD23360-008	05/12/21 23:03	PA	1	A	mx
AD23360-008	05/12/21 23:03	R12	1	A	NONE
AD23360-008	05/13/21 08:42	BCT	1	A	SOLIDS
AD23360-008	05/13/21 10:58	R12	1	A	NONE
AD23360-008	05/12/21 18:18	R31	2	A	NONE
AD23360-008	05/12/21 22:05	WP	2	A	VOA
AD23360-008	05/12/21 22:07	R31	2	A	NONE
AD23360-008	05/12/21 18:19	F18	3	A	none
AD23360-008	05/14/21 17:50	WP	3	A	VOA
AD23360-008	05/17/21 06:42	F19	3	M	NONE
AD23360-008	05/17/21 13:55	SG	3	A	VOA
AD23360-008	05/12/21 18:19	F18	4	A	none
AD23360-009	05/12/21 13:45	CQUI	0	M	Received
AD23360-009	05/12/21 17:36	CQUI	0	M	Login
AD23360-009	05/12/21 17:52	R12	1	A	NONE
AD23360-009	05/12/21 23:03	R12	1	A	NONE
AD23360-009	05/12/21 23:03	PA	1	A	mx
AD23360-009	05/13/21 08:42	BCT	1	A	SOLIDS
AD23360-009	05/13/21 10:58	R12	1	A	NONE
AD23360-009	05/12/21 18:18	R31	2	A	NONE
AD23360-009	05/12/21 22:05	WP	2	A	VOA
AD23360-009	05/12/21 22:07	R31	2	A	NONE
AD23360-009	05/12/21 18:19	F18	3	A	none
AD23360-009	05/14/21 17:50	WP	3	A	VOA
AD23360-009	05/17/21 06:42	F19	3	M	NONE
AD23360-009	05/17/21 13:55	SG	3	A	VOA
AD23360-009	05/12/21 18:19	F18	4	A	none
AD23360-010	05/12/21 13:45	CQUI	0	M	Received
AD23360-010	05/12/21 17:36	CQUI	0	M	Login
AD23360-010	05/12/21 17:52	R12	1	A	NONE
AD23360-010	05/12/21 23:03	PA	1	A	mx
AD23360-010	05/12/21 23:03	R12	1	A	NONE
AD23360-010	05/13/21 08:42	BCT	1	A	SOLIDS
AD23360-010	05/13/21 10:58	R12	1	A	NONE
AD23360-010	05/12/21 18:18	R31	2	A	NONE
AD23360-010	05/12/21 22:05	WP	2	A	VOA
AD23360-010	05/12/21 22:07	R31	2	A	NONE
AD23360-010	05/12/21 18:19	F18	3	A	none
AD23360-010	05/14/21 21:31	WP	3	A	VOA
AD23360-010	05/12/21 18:19	F18	4	A	none
AD23360-011	05/12/21 13:45	CQUI	0	M	Received
AD23360-011	05/12/21 17:36	CQUI	0	M	Login
AD23360-011	05/12/21 17:52	R12	5	A	NONE

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

Internal Chain of Custody

1051227 0031

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AD23360-011	05/12/21 23:03	PA	5	A	mx
AD23360-011	05/12/21 23:03	R12	5	A	NONE
AD23360-011	05/13/21 08:42	BCT	5	A	SOLIDS
AD23360-011	05/13/21 10:58	R12	5	A	NONE
AD23360-011	05/12/21 18:18	R31	6	A	NONE
AD23360-011	05/12/21 22:05	WP	6	A	VOA
AD23360-011	05/12/21 22:07	R31	6	A	NONE
AD23360-011	05/12/21 18:19	F18	7	A	none
AD23360-011	05/14/21 21:31	WP	7	A	VOA
AD23360-011	05/12/21 18:19	F18	8	A	none
AD23360-012	05/12/21 13:45	CQUI	0	M	Received
AD23360-012	05/12/21 17:36	CQUI	0	M	Login
AD23360-012	05/12/21 17:52	R12	1	A	NONE
AD23360-012	05/12/21 23:03	PA	1	A	mx
AD23360-012	05/12/21 23:03	R12	1	A	NONE
AD23360-012	05/13/21 08:42	BCT	1	A	SOLIDS
AD23360-012	05/13/21 10:58	R12	1	A	NONE
AD23360-012	05/12/21 18:18	R31	2	A	NONE
AD23360-012	05/12/21 22:05	WP	2	A	VOA
AD23360-012	05/12/21 22:07	R31	2	A	NONE
AD23360-012	05/17/21 12:17	SG	2	A	VOA
AD23360-012	05/17/21 12:18	R31	2	A	NONE
AD23360-012	05/12/21 18:19	F18	3	A	none
AD23360-012	05/14/21 21:31	WP	3	A	VOA
AD23360-012	05/12/21 18:19	F18	4	A	none
AD23360-013	05/12/21 13:45	CQUI	0	M	Received
AD23360-013	05/12/21 17:36	CQUI	0	M	Login
AD23360-013	05/12/21 17:52	R12	1	A	NONE
AD23360-013	05/12/21 23:03	PA	1	A	mx
AD23360-013	05/12/21 23:03	R12	1	A	NONE
AD23360-013	05/13/21 08:42	BCT	1	A	SOLIDS
AD23360-013	05/13/21 10:58	R12	1	A	NONE
AD23360-013	05/12/21 18:18	R31	2	A	NONE
AD23360-013	05/12/21 22:05	WP	2	A	VOA
AD23360-013	05/12/21 22:07	R31	2	A	NONE
AD23360-013	05/17/21 14:05	R31	2	A	NONE
AD23360-013	05/17/21 14:05	SG	2	A	VOA
AD23360-013	05/12/21 18:19	F18	3	A	none
AD23360-013	05/14/21 17:50	WP	3	A	VOA
AD23360-013	05/17/21 06:42	F19	3	M	NONE
AD23360-013	05/17/21 13:55	SG	3	A	VOA
AD23360-013	05/12/21 18:19	F18	4	A	none
AD23360-014	05/12/21 13:45	CQUI	0	M	Received
AD23360-014	05/12/21 17:36	CQUI	0	M	Login
AD23360-014	05/12/21 17:52	R12	1	A	NONE
AD23360-014	05/12/21 23:03	R12	1	A	NONE
AD23360-014	05/12/21 23:03	PA	1	A	mx
AD23360-014	05/13/21 08:42	BCT	1	A	SOLIDS
AD23360-014	05/13/21 10:58	R12	1	A	NONE
AD23360-014	05/12/21 18:18	R31	2	A	NONE
AD23360-014	05/12/21 22:05	WP	2	A	VOA
AD23360-014	05/12/21 22:07	R31	2	A	NONE
AD23360-014	05/12/21 18:19	F18	3	A	none
AD23360-014	05/14/21 17:50	WP	3	A	VOA
AD23360-014	05/17/21 06:42	F19	3	M	NONE
AD23360-014	05/17/21 13:55	SG	3	A	VOA
AD23360-014	05/12/21 18:19	F18	4	A	none
AD23360-015	05/12/21 13:45	CQUI	0	M	Received
AD23360-015	05/12/21 17:36	CQUI	0	M	Login
AD23360-015	05/12/21 17:52	R12	1	A	NONE
AD23360-015	05/12/21 23:03	PA	1	A	mx
AD23360-015	05/12/21 23:03	R12	1	A	NONE
AD23360-015	05/13/21 08:42	BCT	1	A	SOLIDS
AD23360-015	05/13/21 10:58	R12	1	A	NONE
AD23360-015	05/12/21 18:18	R31	2	A	NONE
AD23360-015	05/12/21 22:05	WP	2	A	VOA
AD23360-015	05/12/21 22:07	R31	2	A	NONE
AD23360-015	05/17/21 14:05	R31	2	A	NONE
AD23360-015	05/17/21 14:05	SG	2	A	VOA
AD23360-015	05/12/21 18:19	F18	3	A	none
AD23360-015	05/14/21 17:50	WP	3	A	VOA
AD23360-015	05/17/21 06:42	F19	3	M	NONE
AD23360-015	05/17/21 13:55	SG	3	A	VOA
AD23360-015	05/12/21 18:19	F18	4	A	none

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

Volatile Data

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23360-001
Client Id: HSI-SB-11 (3')
Data File: 11M91512.D
Analysis Date: 05/21/21 12:53
Date Rec/Extracted: 05/12/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 7.48g:10ml
Final Vol: NA
Dilution: 66.8
Solids: 85

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.028	0.079	U	56-23-5	Carbon Tetrachloride	0.025	0.079	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**0.035**	**0.079**	**0.85**	**108-90-7**	**Chlorobenzene**	**0.026**	**0.079**	**0.19**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.057	0.079	U	75-00-3	Chloroethane	0.046	0.079	U
79-00-5	**1,1,2-Trichloroethane**	**0.025**	**0.079**	**0.22**	67-66-3	Chloroform	0.15	0.15	U
75-34-3	1,1-Dichloroethane	0.034	0.079	U	74-87-3	Chloromethane	0.041	0.079	U
75-35-4	1,1-Dichloroethene	0.042	0.079	U	156-59-2	cis-1,2-Dichloroethene	0.050	0.079	U
87-61-6	1,2,3-Trichlorobenzene	0.062	0.079	U	10061-01-5	cis-1,3-Dichloropropene	0.025	0.079	U
120-82-1	1,2,4-Trichlorobenzene	0.057	0.079	U	110-82-7	Cyclohexane	0.038	0.079	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.066	0.079	U	124-48-1	Dibromochloromethane	0.019	0.079	U
106-93-4	1,2-Dibromoethane	0.027	0.079	U	75-71-8	Dichlorodifluoromethane	0.049	0.079	U
95-50-1	1,2-Dichlorobenzene	0.025	0.079	U	100-41-4	Ethylbenzene	0.037	0.079	U
107-06-2	1,2-Dichloroethane	0.050	0.050	U	98-82-8	Isopropylbenzene	0.039	0.079	U
78-87-5	1,2-Dichloropropane	0.024	0.079	U	**179601-23-1**	**m&p-Xylenes**	**0.067**	**0.079**	**0.10**
541-73-1	1,3-Dichlorobenzene	0.030	0.079	U	**79-20-9**	**Methyl Acetate**	**0.055**	**0.079**	**0.48**
106-46-7	1,4-Dichlorobenzene	0.029	0.079	U	108-87-2	Methylcyclohexane	0.048	0.079	U
123-91-1	1,4-Dioxane	3.1	3.9	U	75-09-2	Methylene Chloride	0.023	0.079	U
78-93-3	2-Butanone	0.059	0.079	U	1634-04-4	Methyl-t-butyl ether	0.025	0.039	U
591-78-6	2-Hexanone	0.047	0.079	U	95-47-6	o-Xylene	0.054	0.079	U
108-10-1	**4-Methyl-2-Pentanone**	**0.038**	**0.079**	**0.090**	100-42-5	Styrene	0.043	0.079	U
67-64-1	Acetone	0.36	0.39	U	**127-18-4**	**Tetrachloroethene**	**0.028**	**0.079**	**0.18**
71-43-2	Benzene	0.023	0.039	U	**108-88-3**	**Toluene**	**0.026**	**0.079**	**0.17**
74-97-5	Bromochloromethane	0.062	0.079	U	156-60-5	trans-1,2-Dichloroethene	0.024	0.079	U
75-27-4	Bromodichloromethane	0.027	0.079	U	10061-02-6	trans-1,3-Dichloropropene	0.024	0.079	U
75-25-2	Bromoform	0.043	0.079	U	**79-01-6**	**Trichloroethene**	**0.027**	**0.079**	**0.11**
74-83-9	Bromomethane	0.040	0.079	U	75-69-4	Trichlorofluoromethane	0.024	0.079	U
75-15-0	Carbon Disulfide	0.033	0.079	U	75-01-4	Vinyl Chloride	0.056	0.079	U
1330-20-7	**Xylenes (Total)**	**0.054**	**0.079**	**0.10**					

Worksheet #: 592764

Total Target Concentration 2.4

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

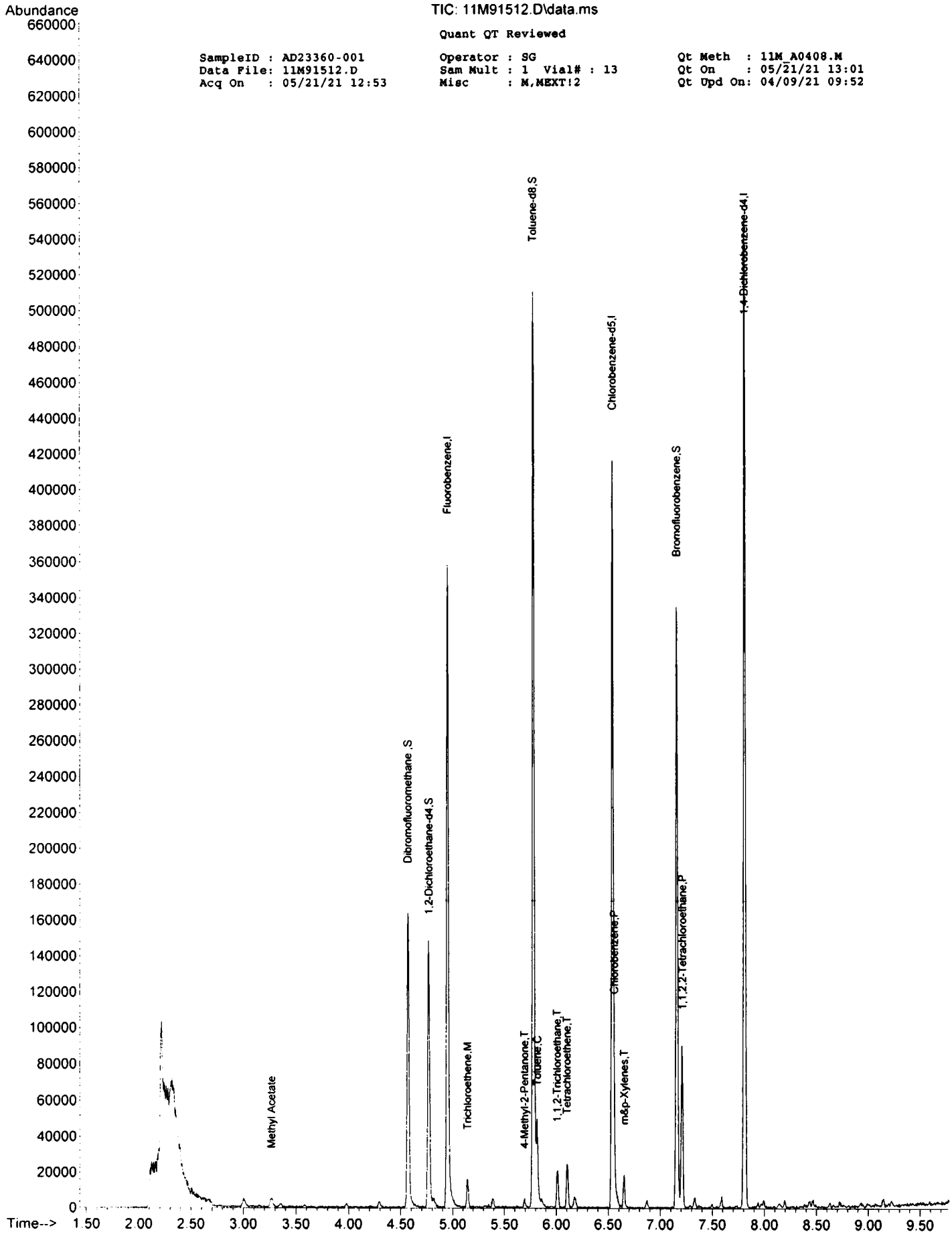
Quantitation Report (QT Reviewed)

SampleID : AD23360-001 Operator : SG Qt Meth : 11M_A0408.M
Data File: 11M91512.D Sam Mult : 1 Vial# : 13 Qt On : 05/21/21 13:01
Acq On : 05/21/21 12:53 Misc : M,MEXT!2 Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-21-21\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.948	96	230118	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	166607	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.810	152	104084	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.569	111	62434	28.10	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.67%			
39) 1,2-Dichloroethane-d4	4.768	67	30882	31.40	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.67%			
66) Toluene-d8	5.778	98	240790	36.09	ug/l	0.00
Spiked Amount 30.000			Recovery = 120.30%			
76) Bromofluorobenzene	7.157	174	72142	26.55	ug/l	0.00
Spiked Amount 30.000			Recovery = 88.50%			
Target Compounds						Qvalue
25) Methyl Acetate	3.267	43	5280	6.0596	ug/l	100
49) Trichloroethene	5.144	130	3341	1.4122	ug/l	66
60) 1,1,2-Trichloroethane	6.006	97	4300	2.7693	ug/l	76
63) 4-Methyl-2-Pentanone	5.694	43	1587	1.1445	ug/l	93
65) Tetrachloroethene	6.102	164	3714	2.3102	ug/l	62
67) Toluene	5.816	92	8922	2.2001	ug/l	85
69) Chlorobenzene	6.556	112	11559	2.4664	ug/l	98
75) 1,1,2,2-Tetrachloroethane	7.212	83	26507	10.7821	ug/l	94
78) m&p-Xylenes	6.652	106	4124	1.2817	ug/l	63

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


Abundance
TIC: 11M91512.D\data.ms
Quant QT Reviewed
SampleID : AD23360-001
Data File: 11M91512.D
Acq On : 05/21/21 12:53
Operator : SG
Sam Mult : 1 Vial# : 13
Misc : M,MEXT!2
Qt Meth : 11M_A0408.M
Qt On : 05/21/21 13:01
Qt Upd On: 04/09/21 09:52
Methyl Acetate
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
4-Methyl-2-Pentanone,T
Toluene,C
Toluene-d8,S
1,1,2-Trichloroethane,T
Tetrachloroethene,T
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,P
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23360-002
Client Id: HSI-SB-11 (5.75')
Data File: 8M546892.D
Analysis Date: 05/17/21 13:27
Date Rec/Extracted: 05/12/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 6.88g
Final Vol: NA
Dilution: 0.727
Solids: 84

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.00080	0.0017	U	56-23-5	Carbon Tetrachloride	0.00084	0.0017	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**0.00039**	**0.0017**	**0.0041**	**108-90-7**	**Chlorobenzene**	**0.00054**	**0.00087**	**0.00085J**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0012	0.0017	U	75-00-3	Chloroethane	0.0017	0.0017	U
79-00-5	**1,1,2-Trichloroethane**	**0.00040**	**0.0017**	**0.0014J**	67-66-3	Chloroform	0.0012	0.0017	U
75-34-3	1,1-Dichloroethane	0.00075	0.0017	U	74-87-3	Chloromethane	0.0011	0.0017	U
75-35-4	1,1-Dichloroethene	0.00099	0.0017	U	156-59-2	cis-1,2-Dichloroethene	0.00070	0.0017	U
87-61-6	1,2,3-Trichlorobenzene	0.00048	0.0017	U	10061-01-5	cis-1,3-Dichloropropene	0.00046	0.0017	U
120-82-1	1,2,4-Trichlorobenzene	0.00055	0.0017	U	110-82-7	Cyclohexane	0.0010	0.0017	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.00048	0.0017	U	124-48-1	Dibromochloromethane	0.00037	0.0017	U
106-93-4	1,2-Dibromoethane	0.00042	0.00043	U	75-71-8	Dichlorodifluoromethane	0.0012	0.0017	U
95-50-1	1,2-Dichlorobenzene	0.00044	0.0017	U	100-41-4	Ethylbenzene	0.00060	0.00087	U
107-06-2	1,2-Dichloroethane	0.00035	0.0017	U	98-82-8	Isopropylbenzene	0.00072	0.00087	U
78-87-5	1,2-Dichloropropane	0.00071	0.0017	U	179601-23-1	m&p-Xylenes	0.0010	0.0010	U
541-73-1	1,3-Dichlorobenzene	0.00048	0.0017	U	79-20-9	Methyl Acetate	0.00083	0.0017	U
106-46-7	1,4-Dichlorobenzene	0.00046	0.0017	U	108-87-2	Methylcyclohexane	0.00078	0.0017	U
123-91-1	1,4-Dioxane	0.042	0.087	U	75-09-2	Methylene Chloride	0.00065	0.0017	U
78-93-3	2-Butanone	0.0010	0.0017	U	1634-04-4	Methyl-t-butyl ether	0.00047	0.00087	U
591-78-6	2-Hexanone	0.00074	0.0017	U	95-47-6	o-Xylene	0.00061	0.00087	U
108-10-1	4-Methyl-2-Pentanone	0.00050	0.0017	U	100-42-5	Styrene	0.00048	0.0017	U
67-64-1	Acetone	0.0059	0.0087	U	127-18-4	Tetrachloroethene	0.00085	0.0017	U
71-43-2	Benzene	0.00063	0.00087	U	108-88-3	Toluene	0.00057	0.00087	U
74-97-5	Bromochloromethane	0.00061	0.0017	U	156-60-5	trans-1,2-Dichloroethene	0.0010	0.0017	U
75-27-4	Bromodichloromethane	0.00041	0.0017	U	10061-02-6	trans-1,3-Dichloropropene	0.00041	0.0017	U
75-25-2	Bromoform	0.00029	0.0017	U	79-01-6	Trichloroethene	0.00071	0.0017	U
74-83-9	Bromomethane	0.0014	0.0017	U	75-69-4	Trichlorofluoromethane	0.0010	0.0017	U
75-15-0	Carbon Disulfide	0.0029	0.0029	U	75-01-4	Vinyl Chloride	0.0011	0.0017	U
1330-20-7	Xylenes (Total)	0.00061	0.00087	U					

Worksheet # 592764

Total Target Concentration 0.0063

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

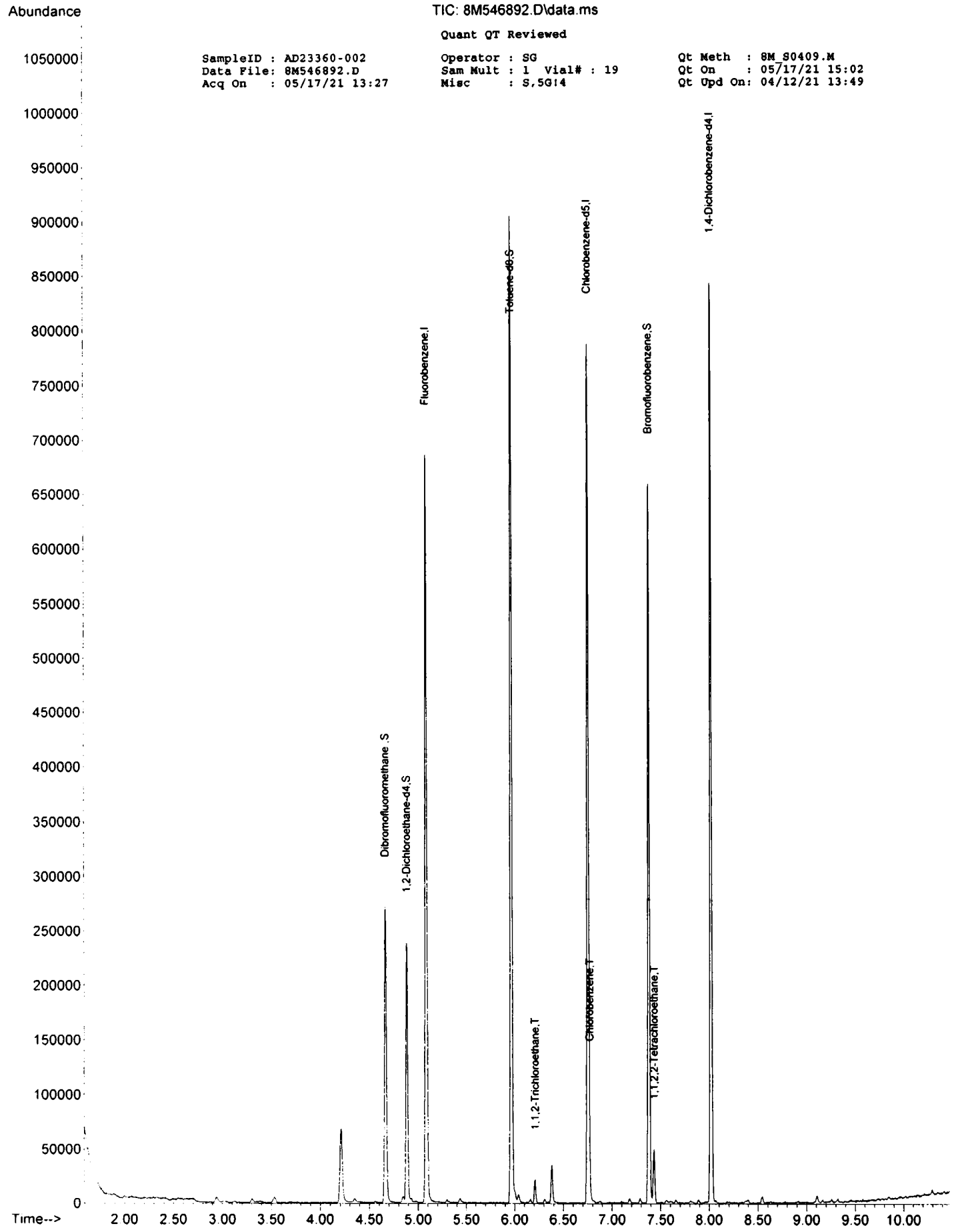
Quantitation Report (QT Reviewed)

SampleID : AD23360-002 Operator : SG Qt Meth : 8M_S0409.M
Data File: 8M546892.D Sam Mult : 1 Vial# : 19 Qt On : 05/17/21 15:02
Acq On : 05/17/21 13:27 Misc : S,5G!4 Qt Upd On: 04/12/21 13:49

Data Path : G:\GcMsData\2021\GCMS_8\Data\05-17-21\
Qt Path : G:\GcMsData\2021\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.082	96	410360	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.754	117	317752	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.018	152	173336	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.664	111	110587	29.76	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.20%			
39) 1,2-Dichloroethane-d4	4.883	67	55927	31.60	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.33%			
66) Toluene-d8	5.966	98	406457	30.52	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.73%			
76) Bromofluorobenzene	7.381	174	136814	30.77	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.57%			
Target Compounds						Qvalue
60) 1,1,2-Trichloroethane	6.211	97	4576	1.6409	ug/l	83
69) Chlorobenzene	6.770	112	10194	0.9832	ug/l	99
75) 1,1,2,2-Tetrachloroethane	7.432	83	16534	4.7027	ug/l	95

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


Abundance
TIC: 8M546892.D\data.ms
Quant QT Reviewed
SampleID : AD23360-002
Data File: 8M546892.D
Acq On : 05/17/21 13:27
Operator : SG
Sam Mult : 1 Vial# : 19
Misc : S,5G!4
Qt Meth : 8M_S0409.M
Qt On : 05/17/21 15:02
Qt Upd On: 04/12/21 13:49
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
1,1,2-Trichloroethane,T
Chlorobenzene-d5,I
Chlorobenzene,T
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,T
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23360-003
Client Id: HSI-SB-11 (7.75')
Data File: 8M546893.D
Analysis Date: 05/17/21 13:46
Date Rec/Extracted: 05/12/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 7g
Final Vol: NA
Dilution: 0.714
Solids: 88

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.00075	0.0016	U	56-23-5	Carbon Tetrachloride	0.00079	0.0016	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**0.00037**	**0.0016**	**0.0033**	**108-90-7**	**Chlorobenzene**	**0.00050**	**0.00081**	**0.0068**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0011	0.0016	U	75-00-3	Chloroethane	0.0016	0.0016	U
79-00-5	**1,1,2-Trichloroethane**	**0.00037**	**0.0016**	**0.0012J**	67-66-3	Chloroform	0.0011	0.0016	U
75-34-3	1,1-Dichloroethane	0.00071	0.0016	U	74-87-3	Chloromethane	0.0010	0.0016	U
75-35-4	1,1-Dichloroethene	0.00093	0.0016	U	156-59-2	cis-1,2-Dichloroethene	0.00066	0.0016	U
87-61-6	1,2,3-Trichlorobenzene	0.00045	0.0016	U	10061-01-5	cis-1,3-Dichloropropene	0.00043	0.0016	U
120-82-1	1,2,4-Trichlorobenzene	0.00051	0.0016	U	110-82-7	Cyclohexane	0.00097	0.0016	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.00045	0.0016	U	124-48-1	Dibromochloromethane	0.00035	0.0016	U
106-93-4	1,2-Dibromoethane	0.00040	0.00041	U	75-71-8	Dichlorodifluoromethane	0.0011	0.0016	U
95-50-1	1,2-Dichlorobenzene	0.00041	0.0016	U	100-41-4	Ethylbenzene	0.00056	0.00081	U
107-06-2	1,2-Dichloroethane	0.00033	0.0016	U	98-82-8	Isopropylbenzene	0.00067	0.00081	U
78-87-5	1,2-Dichloropropane	0.00067	0.0016	U	179601-23-1	m&p-Xylenes	0.00097	0.00097	U
541-73-1	1,3-Dichlorobenzene	0.00045	0.0016	U	79-20-9	Methyl Acetate	0.00078	0.0016	U
106-46-7	1,4-Dichlorobenzene	0.00043	0.0016	U	108-87-2	Methylcyclohexane	0.00073	0.0016	U
123-91-1	1,4-Dioxane	0.039	0.081	U	75-09-2	Methylene Chloride	0.00061	0.0016	U
78-93-3	2-Butanone	0.00097	0.0016	U	1634-04-4	Methyl-t-butyl ether	0.00044	0.00081	U
591-78-6	2-Hexanone	0.00069	0.0016	U	95-47-6	o-Xylene	0.00058	0.00081	U
108-10-1	4-Methyl-2-Pentanone	0.00047	0.0016	U	100-42-5	Styrene	0.00045	0.0016	U
67-64-1	Acetone	0.0055	0.0081	U	127-18-4	Tetrachloroethene	0.00080	0.0016	U
71-43-2	Benzene	0.00059	0.00081	U	108-88-3	Toluene	0.00054	0.00081	U
74-97-5	Bromochloromethane	0.00057	0.0016	U	156-60-5	trans-1,2-Dichloroethene	0.00097	0.0016	U
75-27-4	Bromodichloromethane	0.00038	0.0016	U	10061-02-6	trans-1,3-Dichloropropene	0.00038	0.0016	U
75-25-2	Bromoform	0.00027	0.0016	U	79-01-6	Trichloroethene	0.00067	0.0016	U
74-83-9	Bromomethane	0.0013	0.0016	U	75-69-4	Trichlorofluoromethane	0.00096	0.0016	U
75-15-0	Carbon Disulfide	0.0028	0.0028	U	75-01-4	Vinyl Chloride	0.00099	0.0016	U
1330-20-7	Xylenes (Total)	0.00058	0.00081	U					

Worksheet # 592764

Total Target Concentration 0.011

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

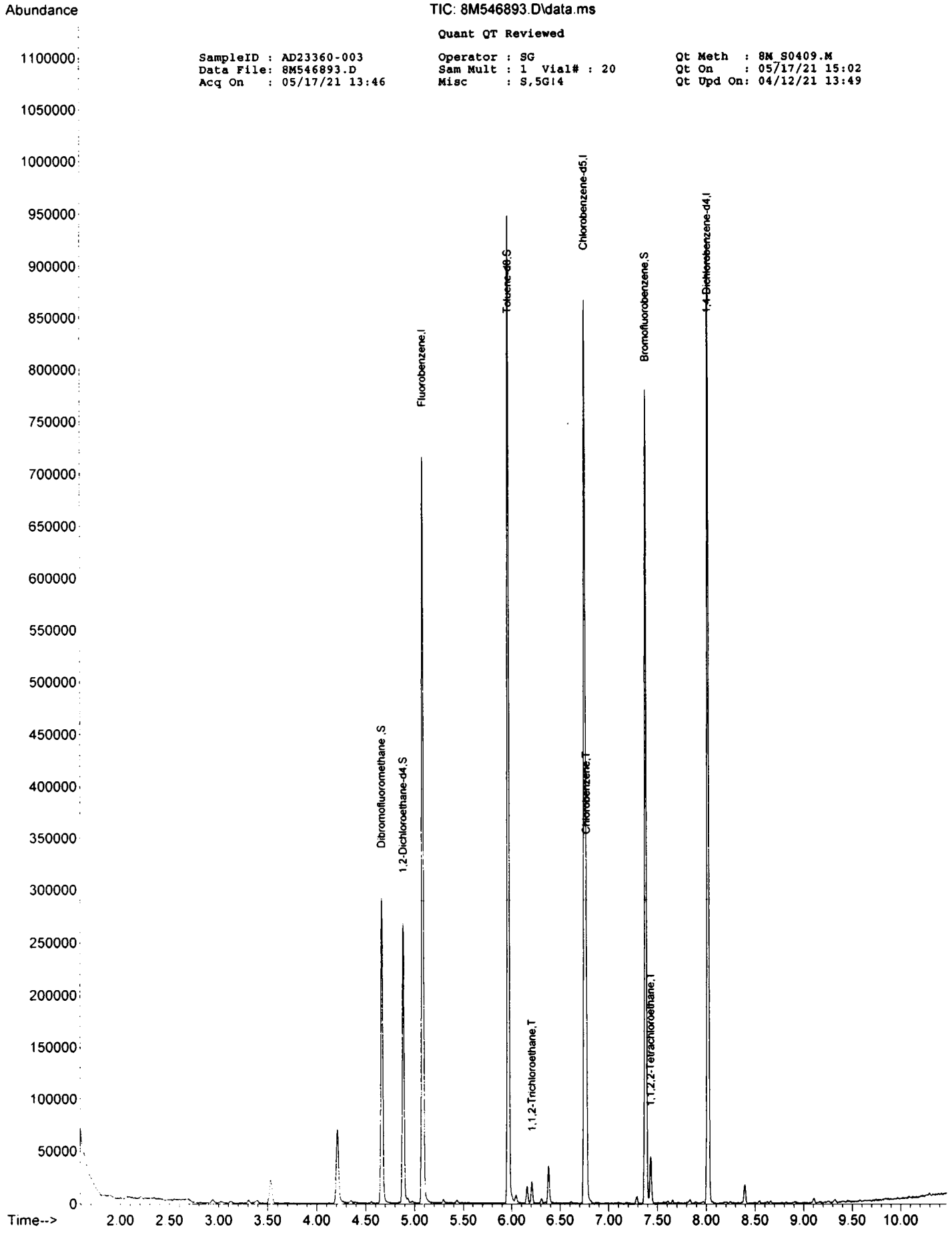
Quantitation Report (QT Reviewed)

SampleID : AD23360-003 Operator : SG Qt Meth : 8M_S0409.M
Data File: 8M546893.D Sam Mult : 1 Vial# : 20 Qt On : 05/17/21 15:02
Acq On : 05/17/21 13:46 Misc : S,5G!4 Qt Upd On: 04/12/21 13:49

Data Path : G:\GcMsData\2021\GCMS_8\Data\05-17-21\
Qt Path : G:\GcMsData\2021\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.082	96	426343	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.754	117	339859	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.018	152	187001	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.664	111	119507	30.96	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.20%			
39) 1,2-Dichloroethane-d4	4.883	67	62253	33.86	ug/l	0.00
Spiked Amount 30.000			Recovery = 112.87%			
66) Toluene-d8	5.966	98	425838	29.89	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.63%			
76) Bromofluorobenzene	7.381	174	149699	31.20	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.00%			
Target Compounds						Qvalue
60) 1,1,2-Trichloroethane	6.207	97	4591	1.5392	ug/l	83
69) Chlorobenzene	6.770	112	92384	8.3311	ug/l	97
75) 1,1,2,2-Tetrachloroethane	7.429	83	15525	4.0931	ug/l	95

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


Abundance
TIC: 8M546893.D\data.ms
Quant QT Reviewed
SampleID : AD23360-003
Data File: 8M546893.D
Acq On : 05/17/21 13:46
Operator : SG
Sam Mult : 1 Vial# : 20
Misc : S,5G14
Qt Meth : 8M_S0409.M
Qt On : 05/17/21 15:02
Qt Upd On: 04/12/21 13:49
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
1,1,2-Trichloroethane,T
Chlorobenzene-d5,I
Chlorobenzene,T
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,T
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23360-004
Client Id: HSI-SB-12 (3.5')
Data File: 11M91259.D
Analysis Date: 05/17/21 17:32
Date Rec/Extracted: 05/12/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 7.44g:10ml
Final Vol: NA
Dilution: 67.2
Solids: 84

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.029	0.080	U	56-23-5	Carbon Tetrachloride	0.026	0.080	U
79-34-5	1,1,2,2-Tetrachloroethane	0.036	0.080	U	**108-90-7**	**Chlorobenzene**	**0.026**	**0.080**	**2.9**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.058	0.080	U	75-00-3	Chloroethane	0.046	0.080	U
79-00-5	1,1,2-Trichloroethane	0.026	0.080	U	67-66-3	Chloroform	0.16	0.16	U
75-34-3	1,1-Dichloroethane	0.034	0.080	U	74-87-3	Chloromethane	0.041	0.080	U
75-35-4	1,1-Dichloroethene	0.043	0.080	U	156-59-2	cis-1,2-Dichloroethene	0.051	0.080	U
87-61-6	1,2,3-Trichlorobenzene	0.063	0.080	U	10061-01-5	cis-1,3-Dichloropropene	0.026	0.080	U
120-82-1	1,2,4-Trichlorobenzene	0.058	0.080	U	110-82-7	Cyclohexane	0.039	0.080	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.067	0.080	U	124-48-1	Dibromochloromethane	0.019	0.080	U
106-93-4	1,2-Dibromoethane	0.027	0.080	U	75-71-8	Dichlorodifluoromethane	0.050	0.080	U
95-50-1	1,2-Dichlorobenzene	0.026	0.080	U	**100-41-4**	**Ethylbenzene**	**0.037**	**0.080**	**0.16**
107-06-2	1,2-Dichloroethane	0.051	0.051	U	98-82-8	Isopropylbenzene	0.039	0.080	U
78-87-5	1,2-Dichloropropane	0.024	0.080	U	**179601-23-1**	**m&p-Xylenes**	**0.068**	**0.080**	**0.41**
541-73-1	1,3-Dichlorobenzene	0.030	0.080	U	79-20-9	Methyl Acetate	0.056	0.080	U
106-46-7	1,4-Dichlorobenzene	0.029	0.080	U	108-87-2	Methylcyclohexane	0.049	0.080	U
123-91-1	1,4-Dioxane	3.1	4.0	U	75-09-2	Methylene Chloride	0.024	0.080	U
78-93-3	2-Butanone	0.060	0.080	U	1634-04-4	Methyl-t-butyl ether	0.025	0.040	U
591-78-6	2-Hexanone	0.048	0.080	U	**95-47-6**	**o-Xylene**	**0.055**	**0.080**	**0.10**
108-10-1	4-Methyl-2-Pentanone	0.039	0.080	U	100-42-5	Styrene	0.043	0.080	U
67-64-1	Acetone	0.37	0.40	U	127-18-4	Tetrachloroethene	0.029	0.080	U
71-43-2	Benzene	0.024	0.040	U	**108-88-3**	**Toluene**	**0.026**	**0.080**	**0.29**
74-97-5	Bromochloromethane	0.063	0.080	U	156-60-5	trans-1,2-Dichloroethene	0.025	0.080	U
75-27-4	Bromodichloromethane	0.028	0.080	U	10061-02-6	trans-1,3-Dichloropropene	0.025	0.080	U
75-25-2	Bromoform	0.043	0.080	U	79-01-6	Trichloroethene	0.028	0.080	U
74-83-9	Bromomethane	0.040	0.080	U	75-69-4	Trichlorofluoromethane	0.025	0.080	U
75-15-0	Carbon Disulfide	0.034	0.080	U	75-01-4	Vinyl Chloride	0.057	0.080	U
1330-20-7	**Xylenes (Total)**	**0.055**	**0.080**	**0.51**					

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Quantitation Report (QT Reviewed)

SampleID : AD23360-004 Operator : SG Qt Meth : 11M_A0408.M
Data File: 11M91259.D Sam Mult : 1 Vial# : 29 Qt On : 05/18/21 08:57
Acq On : 05/17/21 17:32 Misc : M,MEXT!2 Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-17-21\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.951	96	166536	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	149777	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.810	152	81953	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.569	111	47579	29.59	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.63%			
39) 1,2-Dichloroethane-d4	4.768	67	24745	34.77	ug/l	0.00
Spiked Amount 30.000			Recovery = 115.90%			
66) Toluene-d8	5.781	98	178588	29.78	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.27%			
76) Bromofluorobenzene	7.160	174	65152	30.45	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.50%			
Target Compounds						Qvalue
67) Toluene	5.816	92	13019	3.5712	ug/l	99
69) Chlorobenzene	6.556	112	152653	36.2322	ug/l	98
74) Ethylbenzene	6.595	106	3958m	2.0114	ug/l	
78) m&p-Xylenes	6.656	106	12854	5.0738	ug/l	80
79) o-Xylene	6.874	106	3559	1.2806	ug/l	60

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

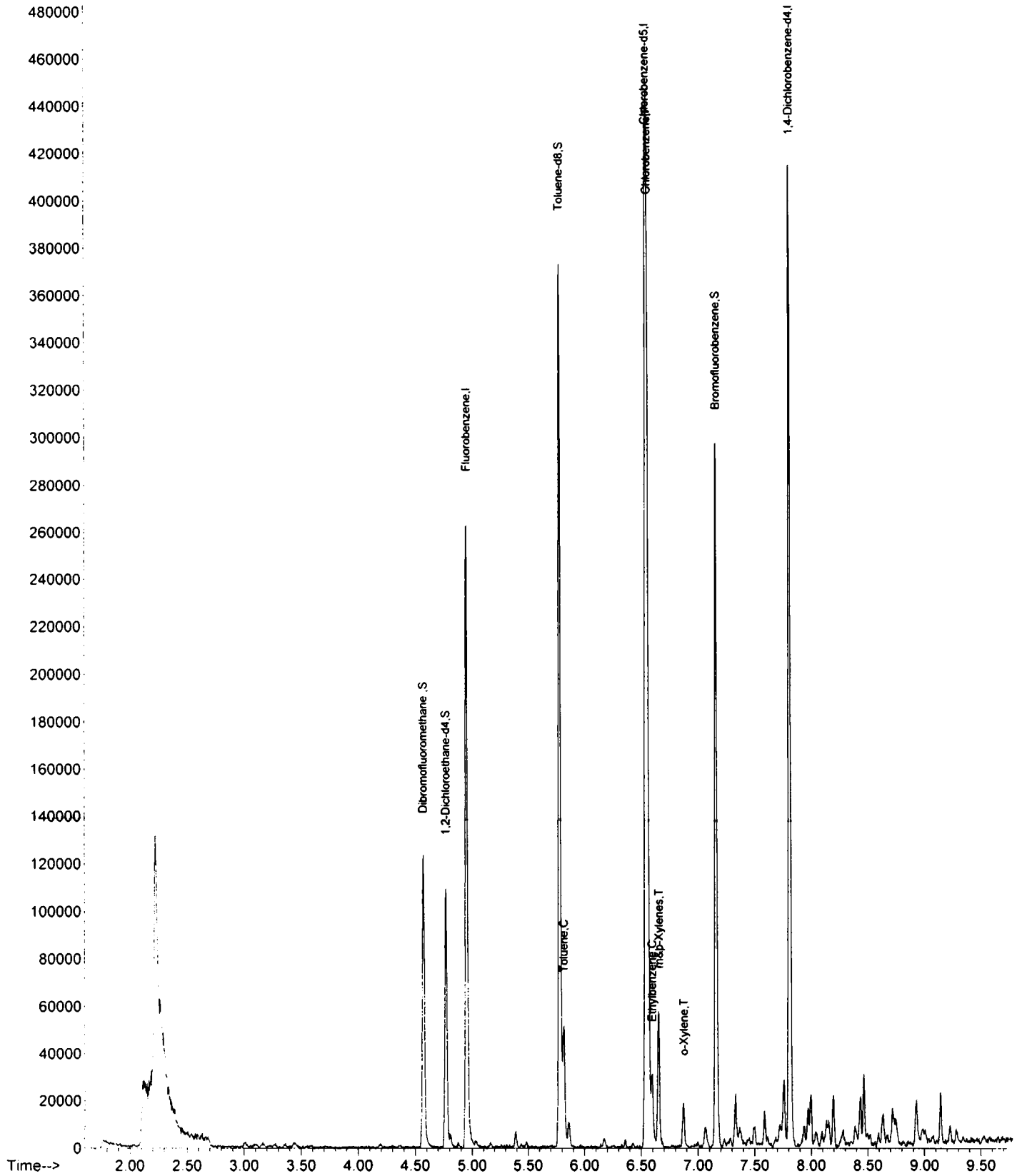
TIC: 11M91259.D\data.ms

Quant QT Reviewed

SampleID : AD23360-004
Data File: 11M91259.D
Acq On : 05/17/21 17:32

Operator : SG
Sam Mult : 1 Vial# : 29
Misc : M,MEXT!2

Qt Meth : 11M_A0408.M
Qt On : 05/18/21 08:57
Qt Upd On: 04/09/21 09:52



Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23360-005
Client Id: HSI-SB-12 (9')
Data File: 11M91260.D
Analysis Date: 05/17/21 17:53
Date Rec/Extracted: 05/12/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 7.03g:10ml
Final Vol: NA
Dilution: 71.1
Solids: 81

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.031	0.088	U	56-23-5	Carbon Tetrachloride	0.028	0.088	U
79-34-5	1,1,2,2-Tetrachloroethane	0.039	0.088	U	**108-90-7**	**Chlorobenzene**	**0.029**	**0.088**	**2.7**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.064	0.088	U	75-00-3	Chloroethane	0.051	0.088	U
79-00-5	1,1,2-Trichloroethane	0.028	0.088	U	67-66-3	Chloroform	0.17	0.17	U
75-34-3	1,1-Dichloroethane	0.038	0.088	U	74-87-3	Chloromethane	0.045	0.088	U
75-35-4	1,1-Dichloroethene	0.047	0.088	U	156-59-2	cis-1,2-Dichloroethene	0.056	0.088	U
87-61-6	1,2,3-Trichlorobenzene	0.069	0.088	U	10061-01-5	cis-1,3-Dichloropropene	0.028	0.088	U
120-82-1	1,2,4-Trichlorobenzene	0.064	0.088	U	110-82-7	Cyclohexane	0.043	0.088	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.073	0.088	U	124-48-1	Dibromochloromethane	0.021	0.088	U
106-93-4	1,2-Dibromoethane	0.030	0.088	U	75-71-8	Dichlorodifluoromethane	0.054	0.088	U
95-50-1	1,2-Dichlorobenzene	0.028	0.088	U	**100-41-4**	**Ethylbenzene**	**0.041**	**0.088**	**0.24**
107-06-2	1,2-Dichloroethane	0.056	0.056	U	**98-82-8**	**Isopropylbenzene**	**0.043**	**0.088**	**0.051J**
78-87-5	1,2-Dichloropropane	0.026	0.088	U	**179601-23-1**	**m&p-Xylenes**	**0.075**	**0.088**	**0.69**
541-73-1	1,3-Dichlorobenzene	0.033	0.088	U	79-20-9	Methyl Acetate	0.062	0.088	U
106-46-7	1,4-Dichlorobenzene	0.032	0.088	U	108-87-2	Methylcyclohexane	0.054	0.088	U
123-91-1	1,4-Dioxane	3.5	4.4	U	75-09-2	Methylene Chloride	0.026	0.088	U
78-93-3	2-Butanone	0.066	0.088	U	1634-04-4	Methyl-t-butyl ether	0.027	0.044	U
591-78-6	2-Hexanone	0.053	0.088	U	**95-47-6**	**o-Xylene**	**0.060**	**0.088**	**0.21**
108-10-1	4-Methyl-2-Pentanone	0.043	0.088	U	100-42-5	Styrene	0.048	0.088	U
67-64-1	Acetone	0.40	0.44	U	127-18-4	Tetrachloroethene	0.031	0.088	U
71-43-2	**Benzene**	**0.026**	**0.044**	**0.040J**	**108-88-3**	**Toluene**	**0.029**	**0.088**	**0.078J**
74-97-5	Bromochloromethane	0.069	0.088	U	156-60-5	trans-1,2-Dichloroethene	0.027	0.088	U
75-27-4	Bromodichloromethane	0.030	0.088	U	10061-02-6	trans-1,3-Dichloropropene	0.027	0.088	U
75-25-2	Bromoform	0.047	0.088	U	79-01-6	Trichloroethene	0.030	0.088	U
74-83-9	Bromomethane	0.044	0.088	U	75-69-4	Trichlorofluoromethane	0.027	0.088	U
75-15-0	Carbon Disulfide	0.037	0.088	U	75-01-4	Vinyl Chloride	0.062	0.088	U
1330-20-7	**Xylenes (Total)**	**0.060**	**0.088**	**0.90**					

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

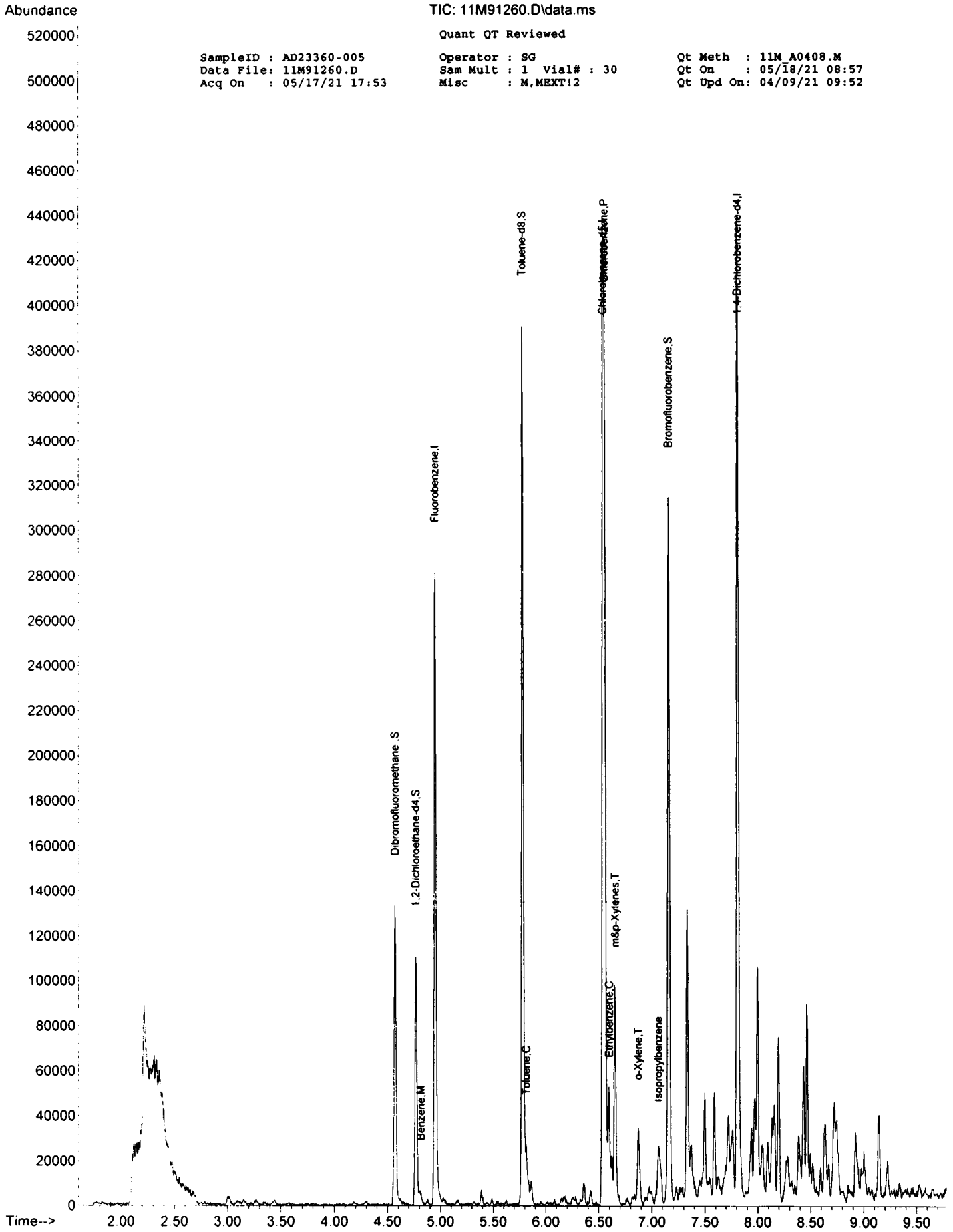
Quantitation Report (QT Reviewed)

SampleID : AD23360-005 Operator : SG Qt Meth : 11M_A0408.M
Data File: 11M91260.D Sam Mult : 1 Vial# : 30 Qt On : 05/18/21 08:57
Acq On : 05/17/21 17:53 Misc : M,MEXT!2 Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-17-21\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.948	96	174512	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	154801	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.810	152	87421	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.569	111	49294	29.25	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.50%			
39) 1,2-Dichloroethane-d4	4.765	67	24503	32.86	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.53%			
66) Toluene-d8	5.778	98	186256	30.05	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.17%			
76) Bromofluorobenzene	7.157	174	66609	29.19	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.30%			
Target Compounds						Qvalue
50) Benzene	4.813	78	2584	0.4551	ug/l	100
67) Toluene	5.813	92	3326	0.8827	ug/l	83
69) Chlorobenzene	6.556	112	136314	31.3041	ug/l	97
74) Ethylbenzene	6.598	106	5640	2.6869	ug/l	90
78) m&p-Xylenes	6.652	106	21257m	7.8659	ug/l	
79) o-Xylene	6.871	106	7162	2.4159	ug/l	86
84) Isopropylbenzene	7.061	105	3977	0.5772	ug/l	93

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


Abundance
TIC: 11M91260.D\data.ms
Quant QT Reviewed
SampleID : AD23360-005
Data File: 11M91260.D
Acq On : 05/17/21 17:53
Operator : SG
Sam Mult : 1 Vial# : 30
Misc : M,MEXT!2
Qt Meth : 11M_A0408.M
Qt On : 05/18/21 08:57
Qt Upd On: 04/09/21 09:52
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Benzene,M
Fluorobenzene,I
Toluene-d8,S
Toluene,C
m&p-Xylenes,T
o-Xylene,T
Isopropylbenzene
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23360-006
Client Id: HSI-SB-12(11.5')
Data File: 8M546895.D
Analysis Date: 05/17/21 14:24
Date Rec/Extracted: 05/12/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 6.42g
Final Vol: NA
Dilution: 0.779
Solids: 65

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0011	0.0024	U	56-23-5	Carbon Tetrachloride	0.0012	0.0024	U
79-34-5	1,1,2,2-Tetrachloroethane	0.00054	0.0024	U	**108-90-7**	**Chlorobenzene**	**0.00074**	**0.0012**	**0.55**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0017	0.0024	U	75-00-3	Chloroethane	0.0023	0.0024	U
79-00-5	1,1,2-Trichloroethane	0.00055	0.0024	U	67-66-3	Chloroform	0.0016	0.0024	U
75-34-3	**1,1-Dichloroethane**	**0.0010**	**0.0024**	**0.0013J**	74-87-3	Chloromethane	0.0015	0.0024	U
75-35-4	1,1-Dichloroethene	0.0014	0.0024	U	**156-59-2**	**cis-1,2-Dichloroethene**	**0.00097**	**0.0024**	**0.0030**
87-61-6	1,2,3-Trichlorobenzene	0.00066	0.0024	U	10061-01-5	cis-1,3-Dichloropropene	0.00064	0.0024	U
120-82-1	1,2,4-Trichlorobenzene	0.00075	0.0024	U	110-82-7	Cyclohexane	0.0014	0.0024	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.00066	0.0024	U	124-48-1	Dibromochloromethane	0.00052	0.0024	U
106-93-4	1,2-Dibromoethane	0.00059	0.00060	U	75-71-8	Dichlorodifluoromethane	0.0017	0.0024	U
95-50-1	1,2-Dichlorobenzene	0.00061	0.0024	U	**100-41-4**	**Ethylbenzene**	**0.00083**	**0.0012**	**0.0036**
107-06-2	1,2-Dichloroethane	0.00049	0.0024	U	**98-82-8**	**Isopropylbenzene**	**0.00099**	**0.0012**	**0.0017**
78-87-5	1,2-Dichloropropane	0.00098	0.0024	U	179601-23-1	m&p-Xylenes	0.0014	0.0014	U
541-73-1	1,3-Dichlorobenzene	0.00066	0.0024	U	79-20-9	Methyl Acetate	0.0012	0.0024	U
106-46-7	1,4-Dichlorobenzene	0.00064	0.0024	U	108-87-2	Methylcyclohexane	0.0011	0.0024	U
123-91-1	1,4-Dioxane	0.058	0.12	U	**75-09-2**	**Methylene Chloride**	**0.00090**	**0.0024**	**0.0037**
78-93-3	2-Butanone	0.0014	0.0024	U	**1634-04-4**	**Methyl-t-butyl ether**	**0.00065**	**0.0012**	**0.0012J**
591-78-6	2-Hexanone	0.0010	0.0024	U	95-47-6	o-Xylene	0.00085	0.0012	U
108-10-1	4-Methyl-2-Pentanone	0.00069	0.0024	U	100-42-5	Styrene	0.00066	0.0024	U
67-64-1	**Acetone**	**0.0081**	**0.012**	**0.021**	127-18-4	Tetrachloroethene	0.0012	0.0024	U
71-43-2	**Benzene**	**0.00087**	**0.0012**	**0.021**	108-88-3	Toluene	0.00079	0.0012	U
74-97-5	Bromochloromethane	0.00084	0.0024	U	156-60-5	trans-1,2-Dichloroethene	0.0014	0.0024	U
75-27-4	Bromodichloromethane	0.00056	0.0024	U	10061-02-6	trans-1,3-Dichloropropene	0.00056	0.0024	U
75-25-2	Bromoform	0.00040	0.0024	U	79-01-6	Trichloroethene	0.00098	0.0024	U
74-83-9	Bromomethane	0.0019	0.0024	U	75-69-4	Trichlorofluoromethane	0.0014	0.0024	U
75-15-0	Carbon Disulfide	0.0041	0.0041	U	**75-01-4**	**Vinyl Chloride**	**0.0015**	**0.0024**	**0.0075**
1330-20-7	Xylenes (Total)	0.00085	0.0012	U					

Worksheet #: 592764

Total Target Concentration 0.61

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

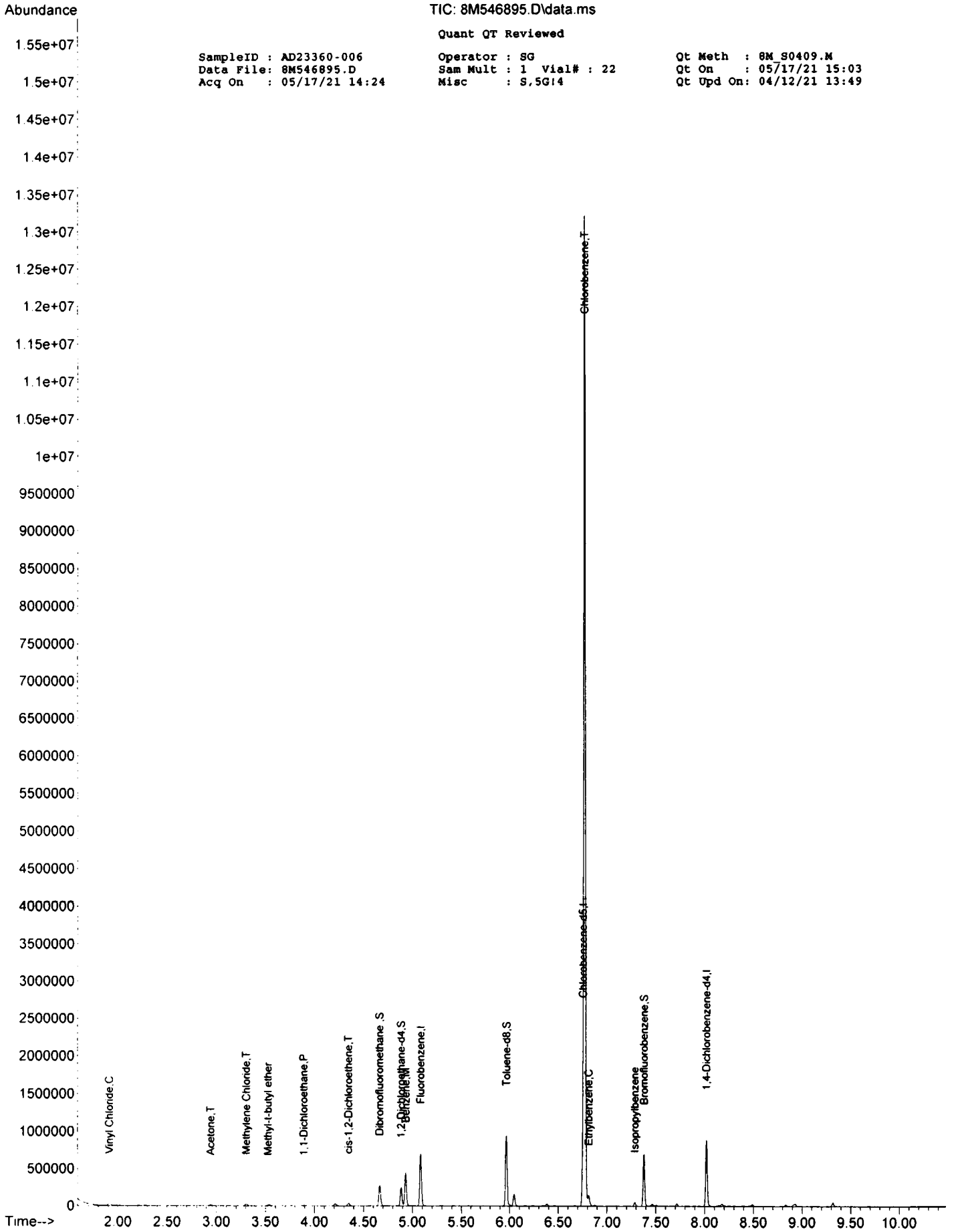
Quantitation Report (QT Reviewed)

Sample ID : AD23360-006 Operator : SG Qt Meth : 8M_S0409.M
Data File: 8M546895.D Sam Mult : 1 Vial# : 22 Qt On : 05/17/21 15:03
Acq On : 05/17/21 14:24 Misc : S,5G!4 Qt Upd On: 04/12/21 13:49

Data Path : G:\GcMsData\2021\GCMS_8\Data\05-17-21\
Qt Path : G:\GcMsData\2021\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.082	96	419288	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.754	117	338649	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.018	152	178040	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.664	111	115447	30.41	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.37%			
39) 1,2-Dichloroethane-d4	4.883	67	58443	32.32	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.73%			
66) Toluene-d8	5.966	98	418400	29.48	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.27%			
76) Bromofluorobenzene	7.381	174	140099	30.67	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.23%			
Target Compounds						Qvalue
9) Vinyl Chloride	1.912	62	21077	6.2247	ug/l	97
15) Methylene Chloride	3.304	84	11006	3.1069	ug/l	79
19) Acetone	2.941	43	16343	17.1783	ug/l	81
26) Methyl-t-butyl ether	3.526	73	8448	0.9953	ug/l	51
27) 1,1-Dichloroethane	3.889	63	6453	1.1126	ug/l	91
30) cis-1,2-Dichloroethene	4.346	61	14729	2.5398	ug/l	60
50) Benzene	4.931	78	242443	17.3612	ug/l	100
69) Chlorobenzene	6.770	112	5110676	462.5224	ug/l	95
74) Ethylbenzene	6.812	106	14309	2.9717	ug/l	79
84) Isopropylbenzene	7.285	105	23809	1.3995	ug/l	92

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


Abundance
TIC: 8M546895.D\data.ms
Quant QT Reviewed
SampleID : AD23360-006
Data File: 8M546895.D
Acq On : 05/17/21 14:24
Operator : SG
Sam Mult : 1 Vial# : 22
Misc : S,5G!4
Qt Meth : 8M_S0409.M
Qt On : 05/17/21 15:03
Qt Upd On: 04/12/21 13:49
Vinyl Chloride,C
Acetone,T
Methylene Chloride,T
Methyl-t-butyl ether
1,1-Dichloroethane,P
cis-1,2-Dichloroethene,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Benzene,M
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene,T
Chlorobenzene-d5,I
Ethylbenzene,C
Isopropylbenzene
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23360-007
Client Id: HSI-SB-13(4')
Data File: 8M546894.D
Analysis Date: 05/17/21 14:05
Date Rec/Extracted: 05/12/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 6.63g
Final Vol: NA
Dilution: 0.754
Solids: 87

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.00080	0.0017	U	56-23-5	Carbon Tetrachloride	0.00084	0.0017	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**0.00039**	**0.0017**	**0.17**	**108-90-7**	**Chlorobenzene**	**0.00054**	**0.00087**	**0.0024**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0012	0.0017	U	75-00-3	Chloroethane	0.0017	0.0017	U
79-00-5	**1,1,2-Trichloroethane**	**0.00040**	**0.0017**	**0.035**	67-66-3	Chloroform	0.0012	0.0017	U
75-34-3	1,1-Dichloroethane	0.00075	0.0017	U	74-87-3	Chloromethane	0.0011	0.0017	U
75-35-4	1,1-Dichloroethene	0.0010	0.0017	U	**156-59-2**	**cis-1,2-Dichloroethene**	**0.00070**	**0.0017**	**0.0028**
87-61-6	1,2,3-Trichlorobenzene	0.00048	0.0017	U	10061-01-5	cis-1,3-Dichloropropene	0.00046	0.0017	U
120-82-1	1,2,4-Trichlorobenzene	0.00055	0.0017	U	110-82-7	Cyclohexane	0.0010	0.0017	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.00048	0.0017	U	124-48-1	Dibromochloromethane	0.00037	0.0017	U
106-93-4	1,2-Dibromoethane	0.00042	0.00043	U	75-71-8	Dichlorodifluoromethane	0.0012	0.0017	U
95-50-1	1,2-Dichlorobenzene	0.00044	0.0017	U	100-41-4	Ethylbenzene	0.00060	0.00087	U
107-06-2	**1,2-Dichloroethane**	**0.00036**	**0.0017**	**0.00093J**	98-82-8	Isopropylbenzene	0.00072	0.00087	U
78-87-5	1,2-Dichloropropane	0.00071	0.0017	U	179601-23-1	m&p-Xylenes	0.0010	0.0010	U
541-73-1	1,3-Dichlorobenzene	0.00048	0.0017	U	79-20-9	Methyl Acetate	0.00083	0.0017	U
106-46-7	1,4-Dichlorobenzene	0.00046	0.0017	U	108-87-2	Methylcyclohexane	0.00078	0.0017	U
123-91-1	1,4-Dioxane	0.042	0.087	U	75-09-2	Methylene Chloride	0.00065	0.0017	U
78-93-3	2-Butanone	0.0010	0.0017	U	1634-04-4	Methyl-t-butyl ether	0.00047	0.00087	U
591-78-6	2-Hexanone	0.00074	0.0017	U	95-47-6	o-Xylene	0.00062	0.00087	U
108-10-1	4-Methyl-2-Pentanone	0.00050	0.0017	U	100-42-5	Styrene	0.00048	0.0017	U
67-64-1	**Acetone**	**0.0059**	**0.0087**	**0.0086J**	**127-18-4**	**Tetrachloroethene**	**0.00085**	**0.0017**	**0.0046**
71-43-2	Benzene	0.00063	0.00087	U	108-88-3	Toluene	0.00057	0.00087	U
74-97-5	Bromochloromethane	0.00061	0.0017	U	156-60-5	trans-1,2-Dichloroethene	0.0010	0.0017	U
75-27-4	Bromodichloromethane	0.00041	0.0017	U	10061-02-6	trans-1,3-Dichloropropene	0.00041	0.0017	U
75-25-2	Bromoform	0.00029	0.0017	U	**79-01-6**	**Trichloroethene**	**0.00071**	**0.0017**	**0.0064**
74-83-9	Bromomethane	0.0014	0.0017	U	75-69-4	Trichlorofluoromethane	0.0010	0.0017	U
75-15-0	Carbon Disulfide	0.0029	0.0029	U	75-01-4	Vinyl Chloride	0.0011	0.0017	U
1330-20-7	Xylenes (Total)	0.00062	0.00087	U					

Worksheet # 592764

Total Target Concentration 0.23

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

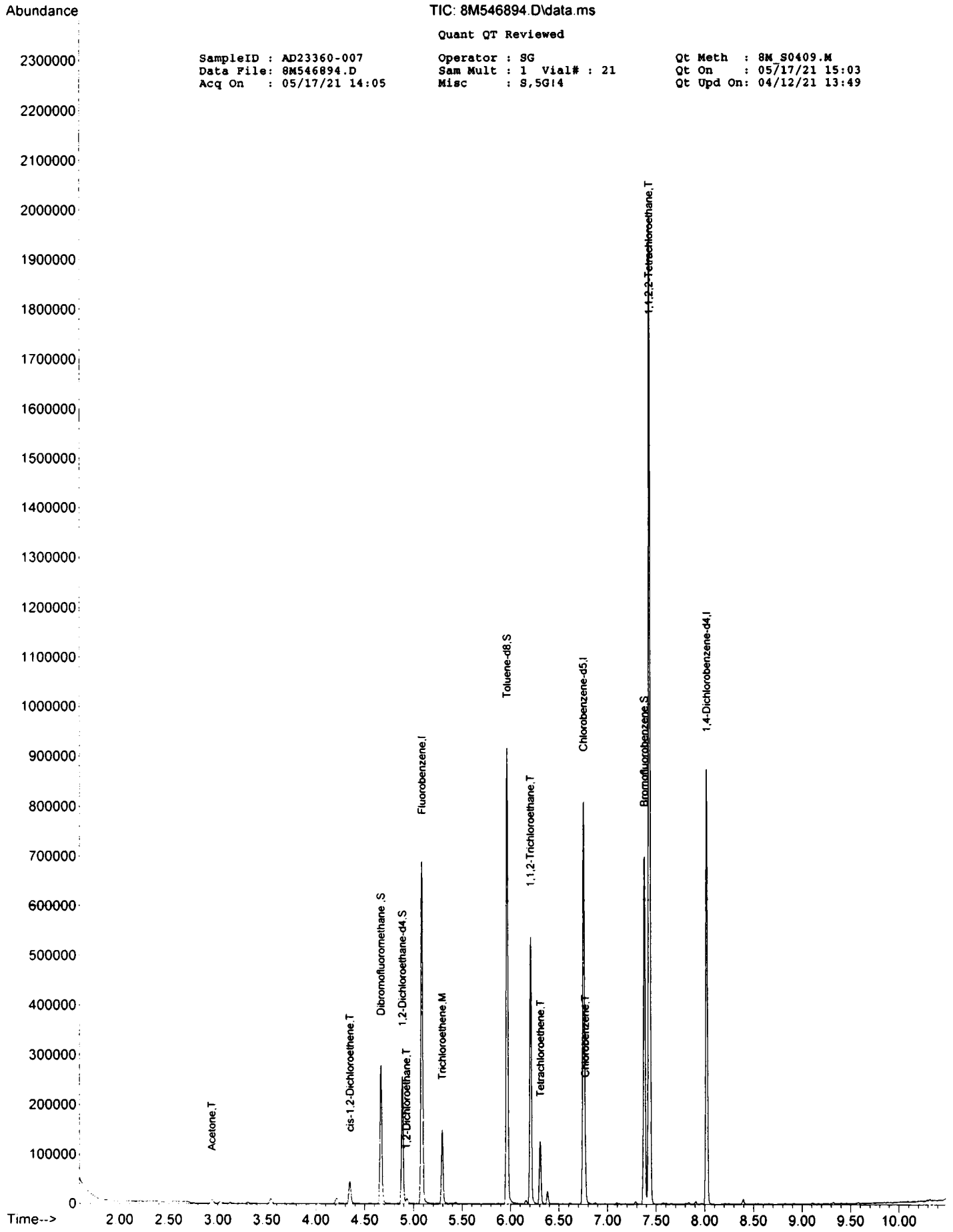
Quantitation Report (QT Reviewed)

Sample!D : AD23360-007 Operator : SG Qt Meth : 8M_S0409.M
Data File: 8M546894.D Sam Mult : 1 Vial# : 21 Qt On : 05/17/21 15:03
Acq On : 05/17/21 14:05 Misc : S,5G!4 Qt Upd On: 04/12/21 13:49

Data Path : G:\GcMsData\2021\GCMS_8\Data\05-17-21\
Qt Path : G:\GcMsData\2021\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.085	96	411607	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.754	117	325477	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.021	152	175026	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.667	111	114574	30.74	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.47%			
39) 1,2-Dichloroethane-d4	4.886	67	59826	33.70	ug/l	0.00
Spiked Amount 30.000			Recovery = 112.33%			
66) Toluene-d8	5.966	98	409414	30.01	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.03%			
76) Bromofluorobenzene	7.381	174	142968	31.84	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.13%			
Target Compounds						Qvalue
19) Acetone	2.941	43	9267	9.9224	ug/l	79
30) cis-1,2-Dichloroethene	4.349	61	18571	3.2620	ug/l	60
40) 1,2-Dichloroethane	4.928	62	4645	1.0711	ug/l	92
49) Trichloroethene	5.294	130	33729	7.3765	ug/l	89
60) 1,1,2-Trichloroethane	6.207	97	115023	40.2667	ug/l	84
65) Tetrachloroethene	6.310	164	20549	5.2780	ug/l	98
69) Chlorobenzene	6.770	112	29550	2.7825	ug/l	98
75) 1,1,2,2-Tetrachloroethane	7.432	83	681840	192.0620	ug/l	93

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


Abundance
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Quant QT Reviewed
SampleID : AD23360-007
Data File: 8M546894.D
Acq On : 05/17/21 14:05
Operator : SG
Sam Mult : 1 Vial# : 21
Misc : S,5G!4
Qt Meth : 8M_S0409.M
Qt On : 05/17/21 15:03
Qt Upd On: 04/12/21 13:49
Acetone,T
cis-1,2-Dichloroethene,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
1,2-Dichloroethane,T
Fluorobenzene,I
Trichloroethene,M
Toluene-d8,S
1,1,2-Trichloroethane,T
Tetrachloroethene,T
Chlorobenzene-d5,I
Chlorobenzene,T
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,T
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23360-008
Client Id: HSI-SB-13(5.5')
Data File: 8M546902.D
Analysis Date: 05/17/21 16:37
Date Rec/Extracted: 05/12/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 6.66g
Final Vol: NA
Dilution: 0.751
Solids: 89

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.00078	0.0017	U	56-23-5	Carbon Tetrachloride	0.00082	0.0017	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**0.00038**	**0.0017**	**0.028**	108-90-7	Chlorobenzene	0.00052	0.00084	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0012	0.0017	U	75-00-3	Chloroethane	0.0016	0.0017	U
79-00-5	**1,1,2-Trichloroethane**	**0.00039**	**0.0017**	**0.012**	67-66-3	Chloroform	0.0011	0.0017	U
75-34-3	1,1-Dichloroethane	0.00073	0.0017	U	74-87-3	Chloromethane	0.0010	0.0017	U
75-35-4	1,1-Dichloroethene	0.00097	0.0017	U	**156-59-2**	**cis-1,2-Dichloroethene**	**0.00068**	**0.0017**	**0.0010J**
87-61-6	1,2,3-Trichlorobenzene	0.00046	0.0017	U	10061-01-5	cis-1,3-Dichloropropene	0.00045	0.0017	U
120-82-1	1,2,4-Trichlorobenzene	0.00053	0.0017	U	110-82-7	Cyclohexane	0.0010	0.0017	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.00046	0.0017	U	124-48-1	Dibromochloromethane	0.00036	0.0017	U
106-93-4	1,2-Dibromoethane	0.00041	0.00042	U	75-71-8	Dichlorodifluoromethane	0.0012	0.0017	U
95-50-1	1,2-Dichlorobenzene	0.00043	0.0017	U	100-41-4	Ethylbenzene	0.00058	0.00084	U
107-06-2	**1,2-Dichloroethane**	**0.00035**	**0.0017**	**0.00050J**	98-82-8	Isopropylbenzene	0.00070	0.00084	U
78-87-5	1,2-Dichloropropane	0.00069	0.0017	U	179601-23-1	m&p-Xylenes	0.0010	0.0010	U
541-73-1	1,3-Dichlorobenzene	0.00046	0.0017	U	79-20-9	Methyl Acetate	0.00081	0.0017	U
106-46-7	1,4-Dichlorobenzene	0.00045	0.0017	U	108-87-2	Methylcyclohexane	0.00076	0.0017	U
123-91-1	1,4-Dioxane	0.041	0.084	U	75-09-2	Methylene Chloride	0.00063	0.0017	U
78-93-3	2-Butanone	0.0010	0.0017	U	1634-04-4	Methyl-t-butyl ether	0.00046	0.00084	U
591-78-6	2-Hexanone	0.00072	0.0017	U	95-47-6	o-Xylene	0.00060	0.00084	U
108-10-1	4-Methyl-2-Pentanone	0.00049	0.0017	U	100-42-5	Styrene	0.00046	0.0017	U
67-64-1	Acetone	0.0057	0.0084	U	127-18-4	Tetrachloroethene	0.00083	0.0017	U
71-43-2	Benzene	0.00062	0.00084	U	108-88-3	Toluene	0.00056	0.00084	U
74-97-5	Bromochloromethane	0.00059	0.0017	U	156-60-5	trans-1,2-Dichloroethene	0.0010	0.0017	U
75-27-4	Bromodichloromethane	0.00040	0.0017	U	10061-02-6	trans-1,3-Dichloropropene	0.00040	0.0017	U
75-25-2	Bromoform	0.00028	0.0017	U	79-01-6	Trichloroethene	0.00069	0.0017	U
74-83-9	Bromomethane	0.0013	0.0017	U	75-69-4	Trichlorofluoromethane	0.0010	0.0017	U
75-15-0	Carbon Disulfide	0.0029	0.0029	U	75-01-4	Vinyl Chloride	0.0010	0.0017	U
1330-20-7	Xylenes (Total)	0.00060	0.00084	U					

Worksheet #: 592764

Total Target Concentration 0.042

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

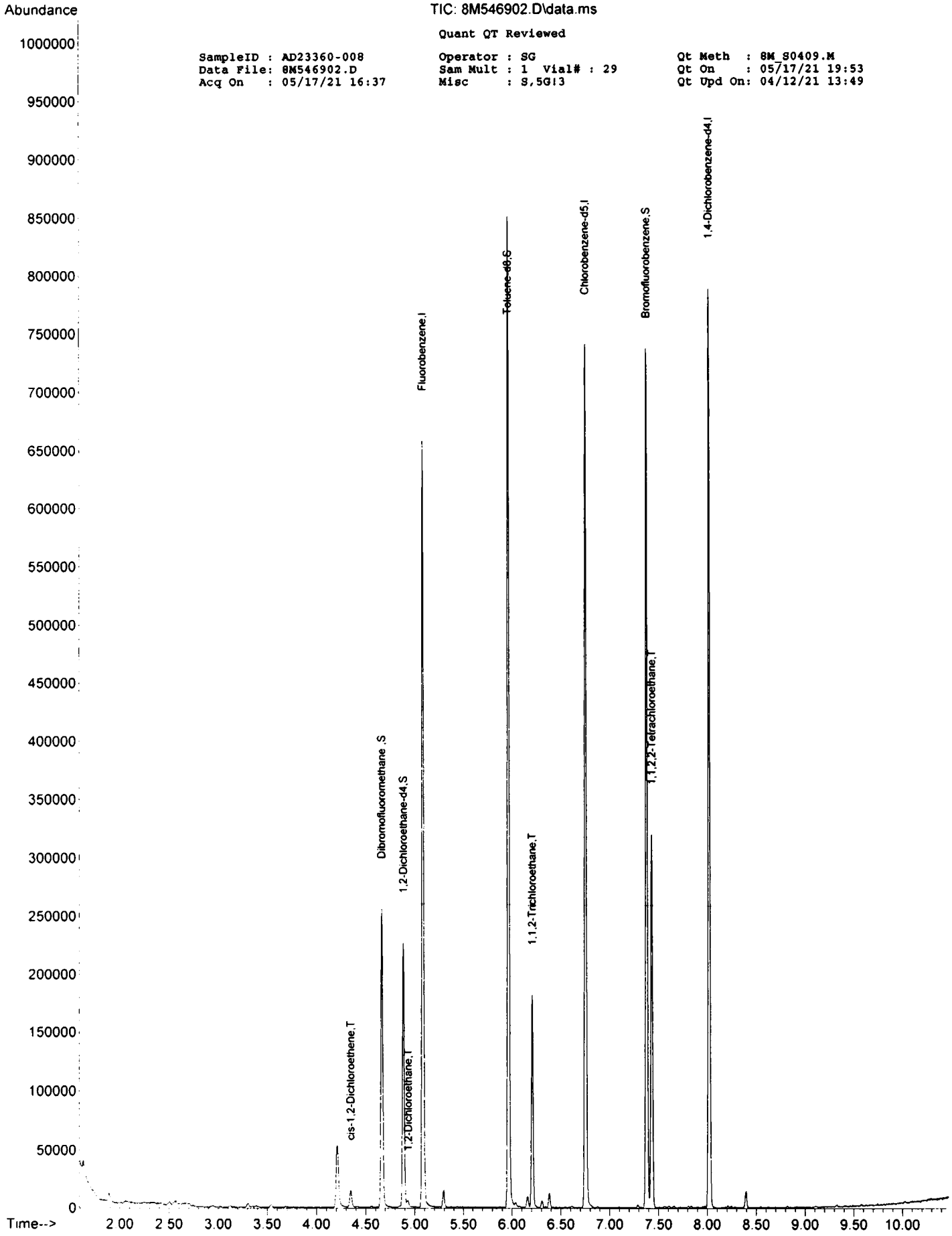
Quantitation Report (QT Reviewed)

SampleID : AD23360-008 Operator : SG Qt Meth : 8M_S0409.M
Data File: 8M546902.D Sam Mult : 1 Vial# : 29 Qt On : 05/17/21 19:53
Acq On : 05/17/21 16:37 Misc : S,5G!3 Qt Upd On: 04/12/21 13:49

Data Path : G:\GcMsData\2021\GCMS_8\Data\05-17-21\
Qt Path : G:\GcMsData\2021\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.082	96	384680	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.754	117	297791	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.018	152	160689	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.664	111	104024	29.86	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.53%			
39) 1,2-Dichloroethane-d4	4.883	67	54592	32.91	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.70%			
66) Toluene-d8	5.963	98	379774	30.43	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.43%			
76) Bromofluorobenzene	7.381	174	130426	31.64	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.47%			
Target Compounds						Qvalue
30) cis-1,2-Dichloroethene	4.346	61	6330	1.1897	ug/l	64
40) 1,2-Dichloroethane	4.931	62	2402	0.5927	ug/l	92
60) 1,1,2-Trichloroethane	6.207	97	38177	14.6074	ug/l	84
75) 1,1,2,2-Tetrachloroethane	7.432	83	108010	33.1390	ug/l	91

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


Abundance
TIC: 8M546902.D\data.ms
Quant QT Reviewed
SampleID : AD23360-008
Data File: 8M546902.D
Acq On : 05/17/21 16:37
Operator : SG
Sam Mult : 1 Vial# : 29
Misc : S,5G13
Qt Meth : 8M_S0409.M
Qt On : 05/17/21 19:53
Qt Upd On: 04/12/21 13:49
cis-1,2-Dichloroethene,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
1,2-Dichloroethane,T
Fluorobenzene,I
Toluene-d8,S
1,1,2-Trichloroethane,T
Chlorobenzene-d5,I
1,1,2,2-Tetrachloroethane,T
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23360-009
Client Id: HSI-SB-21(4')
Data File: 8M546903.D
Analysis Date: 05/17/21 16:56
Date Rec/Extracted: 05/12/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 7.07g
Final Vol: NA
Dilution: 0.707
Solids: 86

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.00076	0.0016	U	56-23-5	Carbon Tetrachloride	0.00080	0.0016	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**0.00037**	**0.0016**	**0.052**	**108-90-7**	**Chlorobenzene**	**0.00051**	**0.00082**	**0.0053**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0011	0.0016	U	75-00-3	Chloroethane	0.0016	0.0016	U
79-00-5	**1,1,2-Trichloroethane**	**0.00038**	**0.0016**	**0.010**	67-66-3	Chloroform	0.0011	0.0016	U
75-34-3	1,1-Dichloroethane	0.00072	0.0016	U	74-87-3	Chloromethane	0.0010	0.0016	U
75-35-4	1,1-Dichloroethene	0.00095	0.0016	U	**156-59-2**	**cis-1,2-Dichloroethene**	**0.00067**	**0.0016**	**0.0018**
87-61-6	1,2,3-Trichlorobenzene	0.00045	0.0016	U	10061-01-5	cis-1,3-Dichloropropene	0.00044	0.0016	U
120-82-1	1,2,4-Trichlorobenzene	0.00052	0.0016	U	110-82-7	Cyclohexane	0.00099	0.0016	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.00045	0.0016	U	124-48-1	Dibromochloromethane	0.00035	0.0016	U
106-93-4	1,2-Dibromoethane	0.00040	0.00041	U	75-71-8	Dichlorodifluoromethane	0.0012	0.0016	U
95-50-1	1,2-Dichlorobenzene	0.00042	0.0016	U	100-41-4	Ethylbenzene	0.00057	0.00082	U
107-06-2	**1,2-Dichloroethane**	**0.00034**	**0.0016**	**0.00064J**	98-82-8	Isopropylbenzene	0.00068	0.00082	U
78-87-5	1,2-Dichloropropane	0.00067	0.0016	U	179601-23-1	m&p-Xylenes	0.00099	0.00099	U
541-73-1	1,3-Dichlorobenzene	0.00045	0.0016	U	79-20-9	Methyl Acetate	0.00079	0.0016	U
106-46-7	1,4-Dichlorobenzene	0.00044	0.0016	U	108-87-2	Methylcyclohexane	0.00074	0.0016	U
123-91-1	1,4-Dioxane	0.040	0.082	U	**75-09-2**	**Methylene Chloride**	**0.00062**	**0.0016**	**0.0062**
78-93-3	2-Butanone	0.00099	0.0016	U	1634-04-4	Methyl-t-butyl ether	0.00044	0.00082	U
591-78-6	2-Hexanone	0.00070	0.0016	U	95-47-6	o-Xylene	0.00058	0.00082	U
108-10-1	4-Methyl-2-Pentanone	0.00048	0.0016	U	100-42-5	Styrene	0.00045	0.0016	U
67-64-1	Acetone	0.0056	0.0082	U	**127-18-4**	**Tetrachloroethene**	**0.00081**	**0.0016**	**0.0070**
71-43-2	Benzene	0.00060	0.00082	U	108-88-3	Toluene	0.00054	0.00082	U
74-97-5	Bromochloromethane	0.00058	0.0016	U	156-60-5	trans-1,2-Dichloroethene	0.00099	0.0016	U
75-27-4	Bromodichloromethane	0.00039	0.0016	U	10061-02-6	trans-1,3-Dichloropropene	0.00039	0.0016	U
75-25-2	Bromoform	0.00027	0.0016	U	**79-01-6**	**Trichloroethene**	**0.00067**	**0.0016**	**0.010**
74-83-9	Bromomethane	0.0013	0.0016	U	75-69-4	Trichlorofluoromethane	0.00097	0.0016	U
75-15-0	Carbon Disulfide	0.0028	0.0028	U	75-01-4	Vinyl Chloride	0.0010	0.0016	U
1330-20-7	Xylenes (Total)	0.00058	0.00082	U					

Worksheet #: 592764

Total Target Concentration 0.093

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

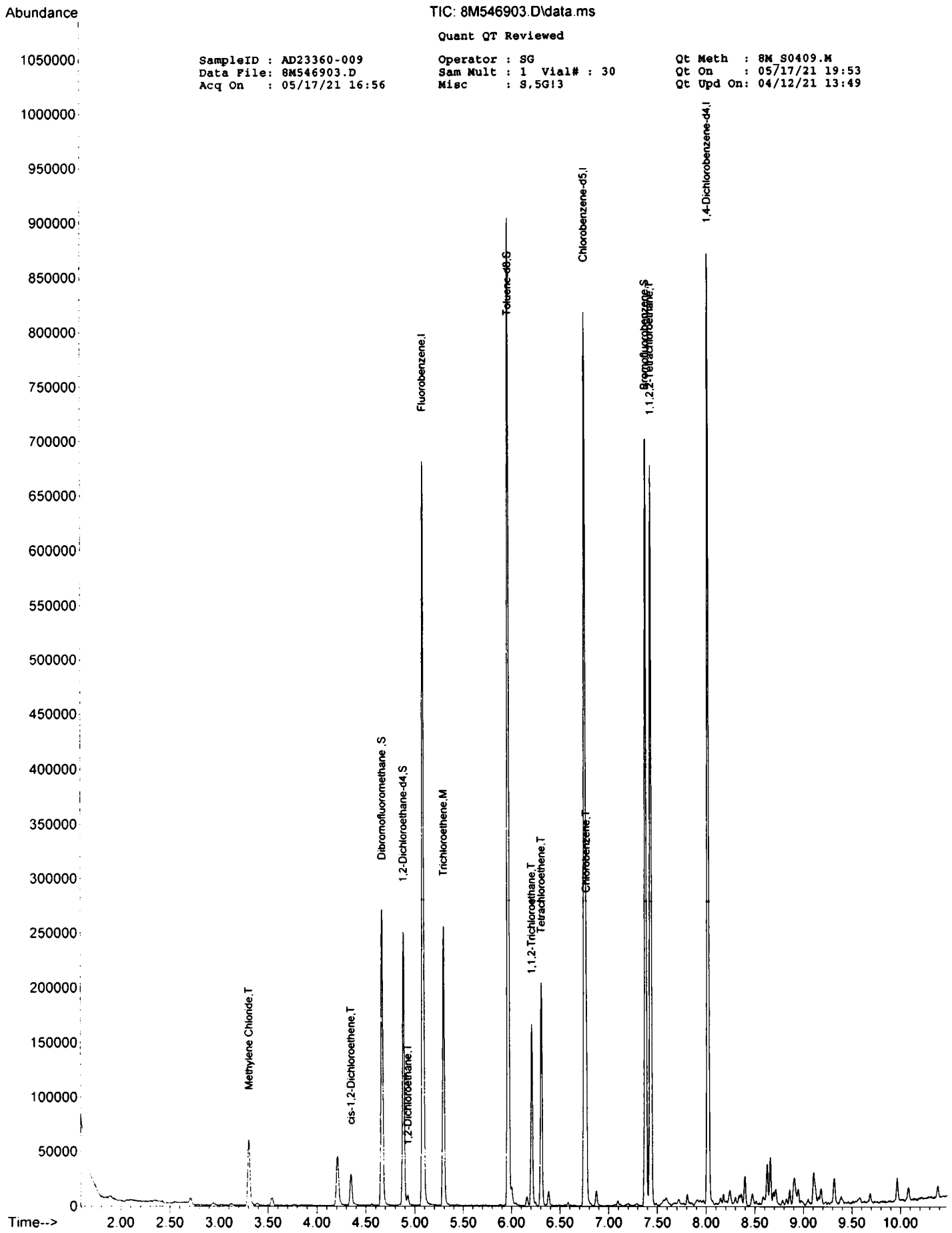
Quantitation Report (QT Reviewed)

SampleID : AD23360-009 Operator : SG Qt Meth : 8M_S0409.M
Data File: 8M546903.D Sam Mult : 1 Vial# : 30 Qt On : 05/17/21 19:53
Acq On : 05/17/21 16:56 Misc : S,5G!3 Qt Upd On: 04/12/21 13:49

Data Path : G:\GcMsData\2021\GCMS_8\Data\05-17-21\
Qt Path : G:\GcMsData\2021\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.082	96	406501	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.754	117	319621	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.021	152	177067	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.667	111	113607	30.86	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.87%			
39) 1,2-Dichloroethane-d4	4.883	67	58603	33.43	ug/l	0.00
Spiked Amount 30.000			Recovery = 111.43%			
66) Toluene-d8	5.966	98	405306	30.25	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.83%			
76) Bromofluorobenzene	7.381	174	140224	30.87	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.90%			
Target Compounds						Qvalue
15) Methylene Chloride	3.304	84	25686	7.4790	ug/l	77
30) cis-1,2-Dichloroethene	4.346	61	12554	2.2328	ug/l	54
40) 1,2-Dichloroethane	4.928	62	3356	0.7836	ug/l	94
49) Trichloroethene	5.294	130	57027	12.6283	ug/l	89
60) 1,1,2-Trichloroethane	6.207	97	35414	12.6247	ug/l	86
65) Tetrachloroethene	6.307	164	32683	8.5484	ug/l	99
69) Chlorobenzene	6.770	112	66608	6.3870	ug/l	99
75) 1,1,2,2-Tetrachloroethane	7.433	83	228919	63.7391	ug/l	92

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


Abundance
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Quant QT Reviewed
SampleID : AD23360-009
Data File: 8M546903.D
Acq On : 05/17/21 16:56
Operator : SG
Sam Mult : 1 Vial# : 30
Misc : S,5G!3
Qt Meth : 8M_S0409.M
Qt On : 05/17/21 19:53
Qt Upd On: 04/12/21 13:49
Methylene Chloride,T
cis-1,2-Dichloroethene,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
1,2-Dichloroethane,T
Fluorobenzene,I
Trichloroethene,M
Toluene-d8,S
1,1,2-Trichloroethane,T
Tetrachloroethene,T
Chlorobenzene-d5,I
Chlorobenzene,T
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23360-010
Client Id: HSI-SB-21(6.5')
Data File: 8M546850.D
Analysis Date: 05/15/21 02:20
Date Rec/Extracted: 05/12/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 7.28g
Final Vol: NA
Dilution: 0.687
Solids: 87

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.00073	0.0016	U	56-23-5	Carbon Tetrachloride	0.00077	0.0016	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**0.00036**	**0.0016**	**0.0011J**	**108-90-7**	**Chlorobenzene**	**0.00049**	**0.00079**	**0.056**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0011	0.0016	U	75-00-3	Chloroethane	0.0015	0.0016	U
79-00-5	**1,1,2-Trichloroethane**	**0.00036**	**0.0016**	**0.00072J**	67-66-3	Chloroform	0.0011	0.0016	U
75-34-3	1,1-Dichloroethane	0.00069	0.0016	U	74-87-3	Chloromethane	0.00097	0.0016	U
75-35-4	1,1-Dichloroethene	0.00091	0.0016	U	156-59-2	cis-1,2-Dichloroethene	0.00064	0.0016	U
87-61-6	1,2,3-Trichlorobenzene	0.00043	0.0016	U	10061-01-5	cis-1,3-Dichloropropene	0.00042	0.0016	U
120-82-1	1,2,4-Trichlorobenzene	0.00050	0.0016	U	110-82-7	Cyclohexane	0.00095	0.0016	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.00043	0.0016	U	124-48-1	Dibromochloromethane	0.00034	0.0016	U
106-93-4	1,2-Dibromoethane	0.00039	0.00039	U	75-71-8	Dichlorodifluoromethane	0.0011	0.0016	U
95-50-1	1,2-Dichlorobenzene	0.00040	0.0016	U	100-41-4	Ethylbenzene	0.00054	0.00079	U
107-06-2	1,2-Dichloroethane	0.00032	0.0016	U	98-82-8	Isopropylbenzene	0.00066	0.00079	U
78-87-5	1,2-Dichloropropane	0.00065	0.0016	U	179601-23-1	m&p-Xylenes	0.00095	0.00095	U
541-73-1	1,3-Dichlorobenzene	0.00043	0.0016	U	79-20-9	Methyl Acetate	0.00076	0.0016	U
106-46-7	1,4-Dichlorobenzene	0.00042	0.0016	U	108-87-2	Methylcyclohexane	0.00071	0.0016	U
123-91-1	1,4-Dioxane	0.038	0.079	U	**75-09-2**	**Methylene Chloride**	**0.00059**	**0.0016**	**0.0018**
78-93-3	2-Butanone	0.00095	0.0016	U	1634-04-4	Methyl-t-butyl ether	0.00043	0.00079	U
591-78-6	2-Hexanone	0.00067	0.0016	U	95-47-6	o-Xylene	0.00056	0.00079	U
108-10-1	4-Methyl-2-Pentanone	0.00046	0.0016	U	100-42-5	Styrene	0.00043	0.0016	U
67-64-1	**Acetone**	**0.0053**	**0.0079**	**0.0070J**	127-18-4	Tetrachloroethene	0.00077	0.0016	U
71-43-2	**Benzene**	**0.00058**	**0.00079**	**0.0022**	108-88-3	Toluene	0.00052	0.00079	U
74-97-5	Bromochloromethane	0.00055	0.0016	U	156-60-5	trans-1,2-Dichloroethene	0.00095	0.0016	U
75-27-4	Bromodichloromethane	0.00037	0.0016	U	10061-02-6	trans-1,3-Dichloropropene	0.00037	0.0016	U
75-25-2	Bromoform	0.00026	0.0016	U	79-01-6	Trichloroethene	0.00065	0.0016	U
74-83-9	Bromomethane	0.0012	0.0016	U	75-69-4	Trichlorofluoromethane	0.00093	0.0016	U
75-15-0	Carbon Disulfide	0.0027	0.0027	U	75-01-4	Vinyl Chloride	0.00096	0.0016	U
1330-20-7	Xylenes (Total)	0.00056	0.00079	U					

Worksheet #: 592764

Total Target Concentration 0.069

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

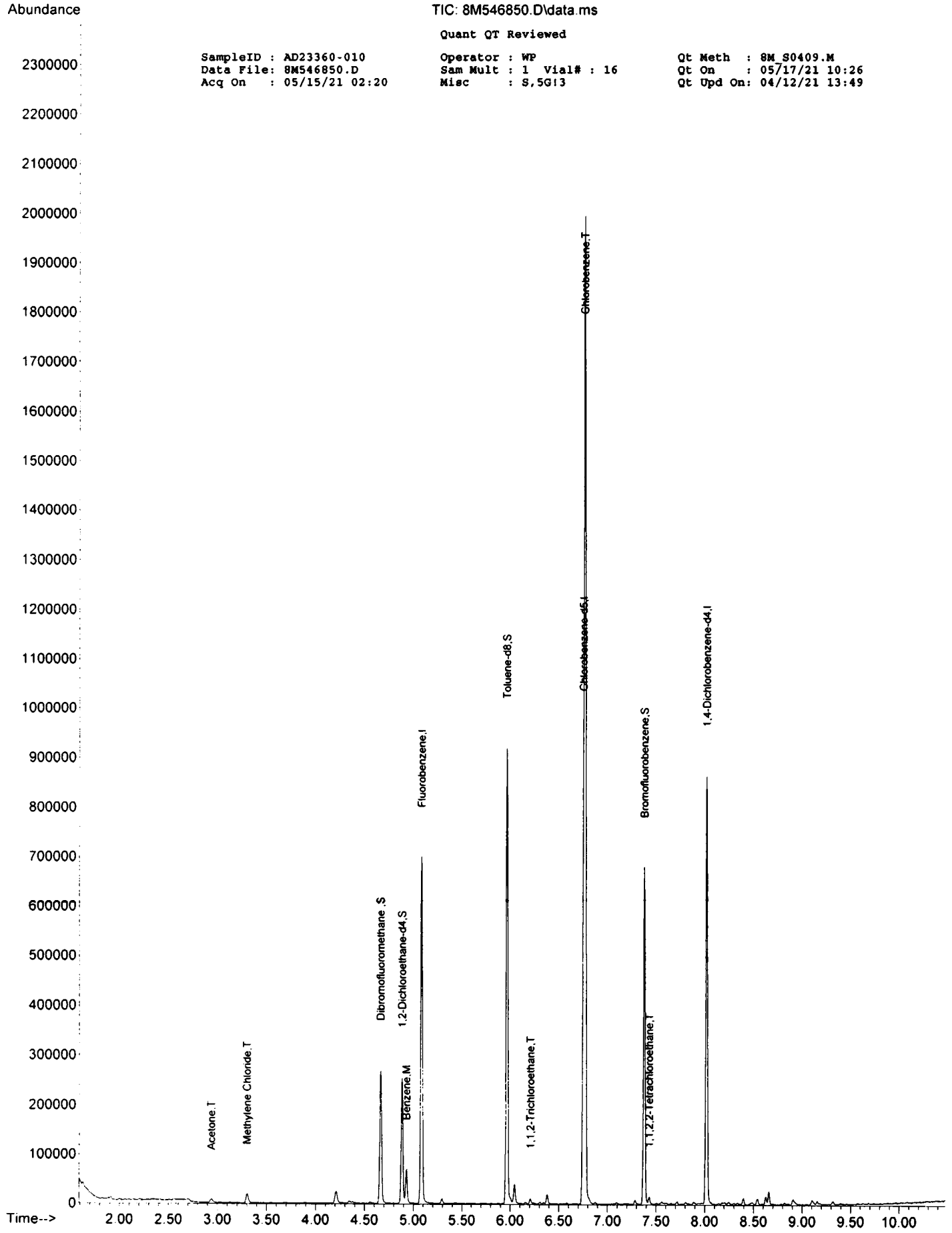
Quantitation Report (QT Reviewed)

SampleID : AD23360-010 Operator : WP Qt Meth : 8M_S0409.M
Data File: 8M546850.D Sam Mult : 1 Vial# : 16 Qt On : 05/17/21 10:26
Acq On : 05/15/21 02:20 Misc : S,5G!3 Qt Upd On: 04/12/21 13:49

Data Path : G:\GcMsData\2021\GCMS_8\Data\05-14-21\
Qt Path : G:\GcMsData\2021\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.082	96	409253	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.751	117	320067	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.018	152	172063	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.664	111	110394	29.79	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.30%			
39) 1,2-Dichloroethane-d4	4.883	67	59705	33.83	ug/l	0.00
Spiked Amount 30.000			Recovery = 112.77%			
66) Toluene-d8	5.963	98	405839	30.25	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.83%			
76) Bromofluorobenzene	7.378	174	136575	30.94	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.13%			
Target Compounds						Qvalue
15) Methylene Chloride	3.301	84	7792	2.2535	ug/l	78
19) Acetone	2.938	43	8182	8.8111	ug/l	77
50) Benzene	4.928	78	38215	2.8037	ug/l	100
60) 1,1,2-Trichloroethane	6.208	97	2556	0.9099	ug/l	70
69) Chlorobenzene	6.767	112	734408	70.3235	ug/l	98
75) 1,1,2,2-Tetrachloroethane	7.429	83	4970	1.4241	ug/l	95

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


Abundance
TIC: 8M546850.D\data.ms
Quant QT Reviewed
SampleID : AD23360-010
Data File: 8M546850.D
Acq On : 05/15/21 02:20
Operator : WP
Sam Mult : 1 Vial# : 16
Misc : S,5G!3
Qt Meth : 8M_S0409.M
Qt On : 05/17/21 10:26
Qt Upd On: 04/12/21 13:49
Acetone,T
Methylene Chloride,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Benzene,M
Fluorobenzene,I
Toluene-d8,S
1,1,2-Trichloroethane,T
Chlorobenzene,T
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,T
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23360-011
Client Id: HSI-SB-21(7.5')
Data File: 8M546851.D
Analysis Date: 05/15/21 02:39
Date Rec/Extracted: 05/12/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 7.52g
Final Vol: NA
Dilution: 0.665
Solids: 86

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.00071	0.0015	U	56-23-5	Carbon Tetrachloride	0.00075	0.0015	U
79-34-5	1,1,2,2-Tetrachloroethane	0.00035	0.0015	U	**108-90-7**	**Chlorobenzene**	**0.00048**	**0.00077**	**0.38**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0011	0.0015	U	75-00-3	Chloroethane	0.0015	0.0015	U
79-00-5	1,1,2-Trichloroethane	0.00036	0.0015	U	67-66-3	Chloroform	0.0011	0.0015	U
75-34-3	**1,1-Dichloroethane**	**0.00067**	**0.0015**	**0.00070J**	74-87-3	Chloromethane	0.00095	0.0015	U
75-35-4	1,1-Dichloroethene	0.00089	0.0015	U	156-59-2	cis-1,2-Dichloroethene	0.00063	0.0015	U
87-61-6	1,2,3-Trichlorobenzene	0.00043	0.0015	U	10061-01-5	cis-1,3-Dichloropropene	0.00041	0.0015	U
120-82-1	1,2,4-Trichlorobenzene	0.00049	0.0015	U	110-82-7	Cyclohexane	0.00093	0.0015	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.00043	0.0015	U	124-48-1	Dibromochloromethane	0.00033	0.0015	U
106-93-4	1,2-Dibromoethane	0.00038	0.00039	U	75-71-8	Dichlorodifluoromethane	0.0011	0.0015	U
95-50-1	1,2-Dichlorobenzene	0.00039	0.0015	U	**100-41-4**	**Ethylbenzene**	**0.00053**	**0.00077**	**0.0046**
107-06-2	**1,2-Dichloroethane**	**0.00032**	**0.0015**	**0.00074J**	**98-82-8**	**Isopropylbenzene**	**0.00064**	**0.00077**	**0.0012**
78-87-5	1,2-Dichloropropane	0.00063	0.0015	U	**179601-23-1**	**m&p-Xylenes**	**0.00093**	**0.00093**	**0.0014**
541-73-1	1,3-Dichlorobenzene	0.00043	0.0015	U	79-20-9	Methyl Acetate	0.00074	0.0015	U
106-46-7	1,4-Dichlorobenzene	0.00041	0.0015	U	108-87-2	Methylcyclohexane	0.00070	0.0015	U
123-91-1	1,4-Dioxane	0.038	0.077	U	**75-09-2**	**Methylene Chloride**	**0.00058**	**0.0015**	**0.0027**
78-93-3	**2-Butanone**	**0.00093**	**0.0015**	**0.0011J**	1634-04-4	Methyl-t-butyl ether	0.00042	0.00077	U
591-78-6	2-Hexanone	0.00066	0.0015	U	**95-47-6**	**o-Xylene**	**0.00055**	**0.00077**	**0.00064J**
108-10-1	4-Methyl-2-Pentanone	0.00045	0.0015	U	100-42-5	Styrene	0.00043	0.0015	U
67-64-1	**Acetone**	**0.0052**	**0.0077**	**0.0091**	127-18-4	Tetrachloroethene	0.00076	0.0015	U
71-43-2	**Benzene**	**0.00056**	**0.00077**	**0.012**	108-88-3	Toluene	0.00051	0.00077	U
74-97-5	Bromochloromethane	0.00054	0.0015	U	156-60-5	trans-1,2-Dichloroethene	0.00093	0.0015	U
75-27-4	Bromodichloromethane	0.00036	0.0015	U	10061-02-6	trans-1,3-Dichloropropene	0.00036	0.0015	U
75-25-2	Bromoform	0.00026	0.0015	U	79-01-6	Trichloroethene	0.00063	0.0015	U
74-83-9	Bromomethane	0.0012	0.0015	U	75-69-4	Trichlorofluoromethane	0.00091	0.0015	U
75-15-0	Carbon Disulfide	0.0026	0.0026	U	75-01-4	Vinyl Chloride	0.00094	0.0015	U
1330-20-7	**Xylenes (Total)**	**0.00055**	**0.00077**	**0.0020**					

Worksheet #: 592764

Total Target Concentration 0.41

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

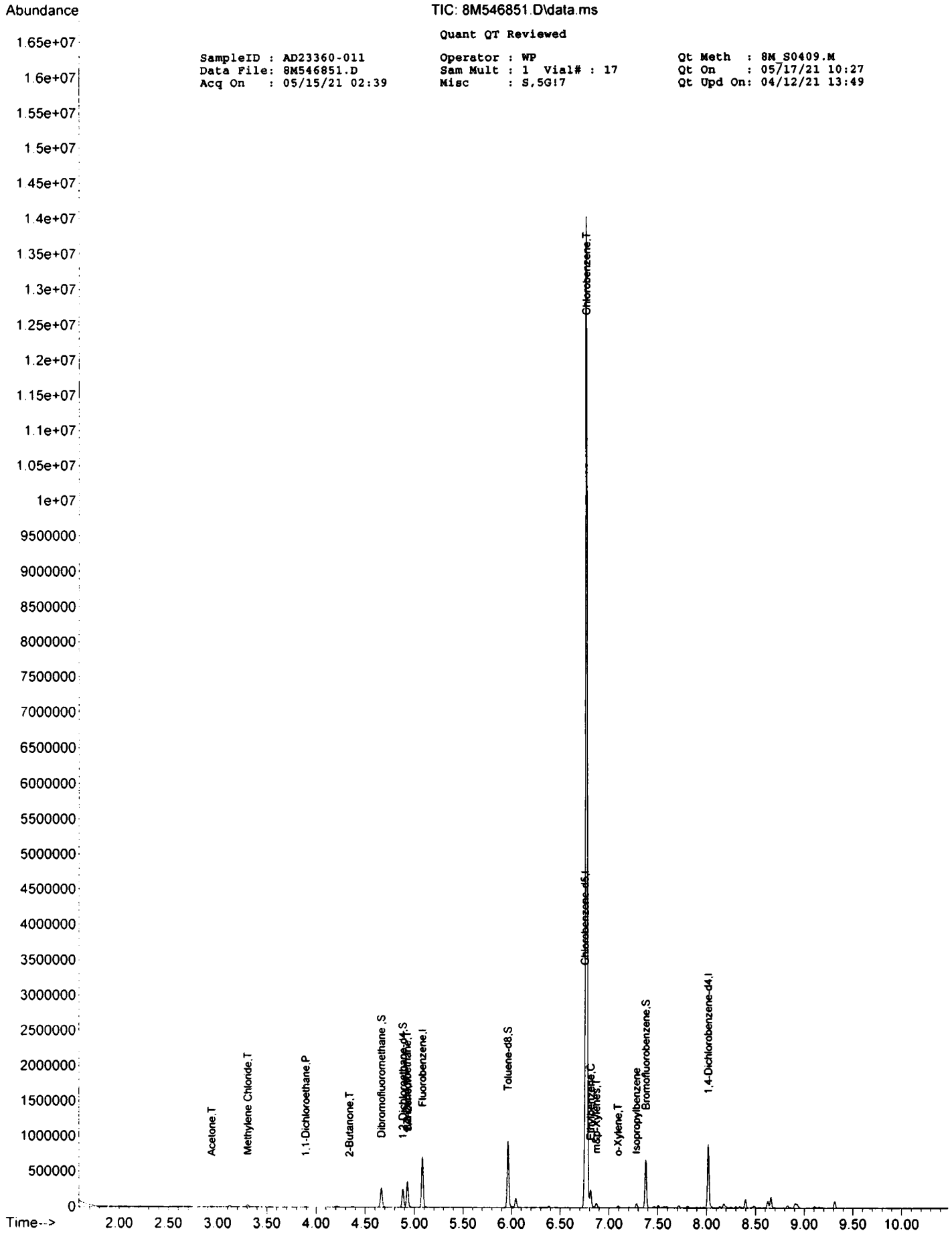
Quantitation Report (QT Reviewed)

SampleID : AD23360-011 Operator : WP Qt Meth : 8M_S0409.M
Data File: 8M546851.D Sam Mult : 1 Vial# : 17 Qt On : 05/17/21 10:27
Acq On : 05/15/21 02:39 Misc : S,5G!7 Qt Upd On: 04/12/21 13:49

Data Path : G:\GcMsData\2021\GCMS_8\Data\05-14-21\
Qt Path : G:\GcMsData\2021\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.082	96	415476	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.754	117	340077	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.018	152	175601	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.664	111	114015	30.31	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.03%			
39) 1,2-Dichloroethane-d4	4.883	67	61241	34.18	ug/l	0.00
Spiked Amount 30.000			Recovery = 113.93%			
66) Toluene-d8	5.963	98	413313	29.00	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.67%			
76) Bromofluorobenzene	7.378	174	137808	30.59	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.97%			
Target Compounds						Qvalue
15) Methylene Chloride	3.304	84	12185	3.4713	ug/l	77
19) Acetone	2.941	43	11082	11.7553	ug/l	79
27) 1,1-Dichloroethane	3.893	63	5188	0.9027	ug/l	99
40) 1,2-Dichloroethane	4.928	62	4216	0.9631	ug/l	92
41) 2-Butanone	4.339	43	1901m	1.3776	ug/l	
50) Benzene	4.931	78	213077	15.3983	ug/l	100
69) Chlorobenzene	6.770	112	5469161	492.8873	ug/l	95
74) Ethylbenzene	6.812	106	28336	5.9667	ug/l	82
78) m&p-Xylenes	6.870	106	12483	1.8460	ug/l	64
79) o-Xylene	7.092	106	5287	0.8323	ug/l	91
84) Isopropylbenzene	7.281	105	25382	1.5127	ug/l	92

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


Abundance
TIC: 8M546851.D\data.ms
Quant QT Reviewed
SampleID : AD23360-011
Data File: 8M546851.D
Acq On : 05/15/21 02:39
Operator : WP
Sam Mult : 1 Vial# : 17
Misc : S,5G!7
Qt Meth : 8M_S0409.M
Qt On : 05/17/21 10:27
Qt Upd On: 04/12/21 13:49
Acetone,T
Methylene Chloride,T
1,1-Dichloroethane,P
2-Butanone,T
Dibromofluoromethane,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene,T
Chlorobenzene-d5,I
m&p-Xylenes,T
o-Xylene,T
Isopropylbenzene
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23360-012
Client Id: HSI-SB-21(10.5')
Data File: 11M91255.D
Analysis Date: 05/17/21 16:06
Date Rec/Extracted: 05/12/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 7.08g:10ml
Final Vol: NA
Dilution: 70.6
Solids: 84

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.030	0.084	U	56-23-5	Carbon Tetrachloride	0.027	0.084	U
79-34-5	1,1,2,2-Tetrachloroethane	0.038	0.084	U	**108-90-7**	**Chlorobenzene**	**0.028**	**0.084**	**0.72**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.061	0.084	U	75-00-3	Chloroethane	0.049	0.084	U
79-00-5	1,1,2-Trichloroethane	0.027	0.084	U	67-66-3	Chloroform	0.17	0.17	U
75-34-3	1,1-Dichloroethane	0.036	0.084	U	74-87-3	Chloromethane	0.043	0.084	U
75-35-4	1,1-Dichloroethene	0.045	0.084	U	156-59-2	cis-1,2-Dichloroethene	0.053	0.084	U
87-61-6	1,2,3-Trichlorobenzene	0.066	0.084	U	10061-01-5	cis-1,3-Dichloropropene	0.027	0.084	U
120-82-1	1,2,4-Trichlorobenzene	0.061	0.084	U	110-82-7	Cyclohexane	0.041	0.084	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.070	0.084	U	124-48-1	Dibromochloromethane	0.020	0.084	U
106-93-4	1,2-Dibromoethane	0.029	0.084	U	75-71-8	Dichlorodifluoromethane	0.052	0.084	U
95-50-1	1,2-Dichlorobenzene	0.027	0.084	U	100-41-4	Ethylbenzene	0.039	0.084	U
107-06-2	1,2-Dichloroethane	0.054	0.054	U	98-82-8	Isopropylbenzene	0.041	0.084	U
78-87-5	1,2-Dichloropropane	0.025	0.084	U	179601-23-1	m&p-Xylenes	0.071	0.084	U
541-73-1	1,3-Dichlorobenzene	0.032	0.084	U	79-20-9	Methyl Acetate	0.059	0.084	U
106-46-7	1,4-Dichlorobenzene	0.031	0.084	U	108-87-2	Methylcyclohexane	0.052	0.084	U
123-91-1	1,4-Dioxane	3.3	4.2	U	75-09-2	Methylene Chloride	0.025	0.084	U
78-93-3	2-Butanone	0.063	0.084	U	1634-04-4	Methyl-t-butyl ether	0.026	0.042	U
591-78-6	2-Hexanone	0.050	0.084	U	95-47-6	o-Xylene	0.057	0.084	U
108-10-1	4-Methyl-2-Pentanone	0.041	0.084	U	100-42-5	Styrene	0.046	0.084	U
67-64-1	Acetone	0.38	0.42	U	127-18-4	Tetrachloroethene	0.030	0.084	U
71-43-2	Benzene	0.025	0.042	U	**108-88-3**	**Toluene**	**0.027**	**0.084**	**0.10**
74-97-5	Bromochloromethane	0.066	0.084	U	156-60-5	trans-1,2-Dichloroethene	0.026	0.084	U
75-27-4	Bromodichloromethane	0.029	0.084	U	10061-02-6	trans-1,3-Dichloropropene	0.026	0.084	U
75-25-2	Bromoform	0.045	0.084	U	79-01-6	Trichloroethene	0.029	0.084	U
74-83-9	Bromomethane	0.042	0.084	U	75-69-4	Trichlorofluoromethane	0.026	0.084	U
75-15-0	Carbon Disulfide	0.036	0.084	U	75-01-4	Vinyl Chloride	0.059	0.084	U
1330-20-7	Xylenes (Total)	0.057	0.084	U					

Worksheet # 592764

Total Target Concentration 0.82

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

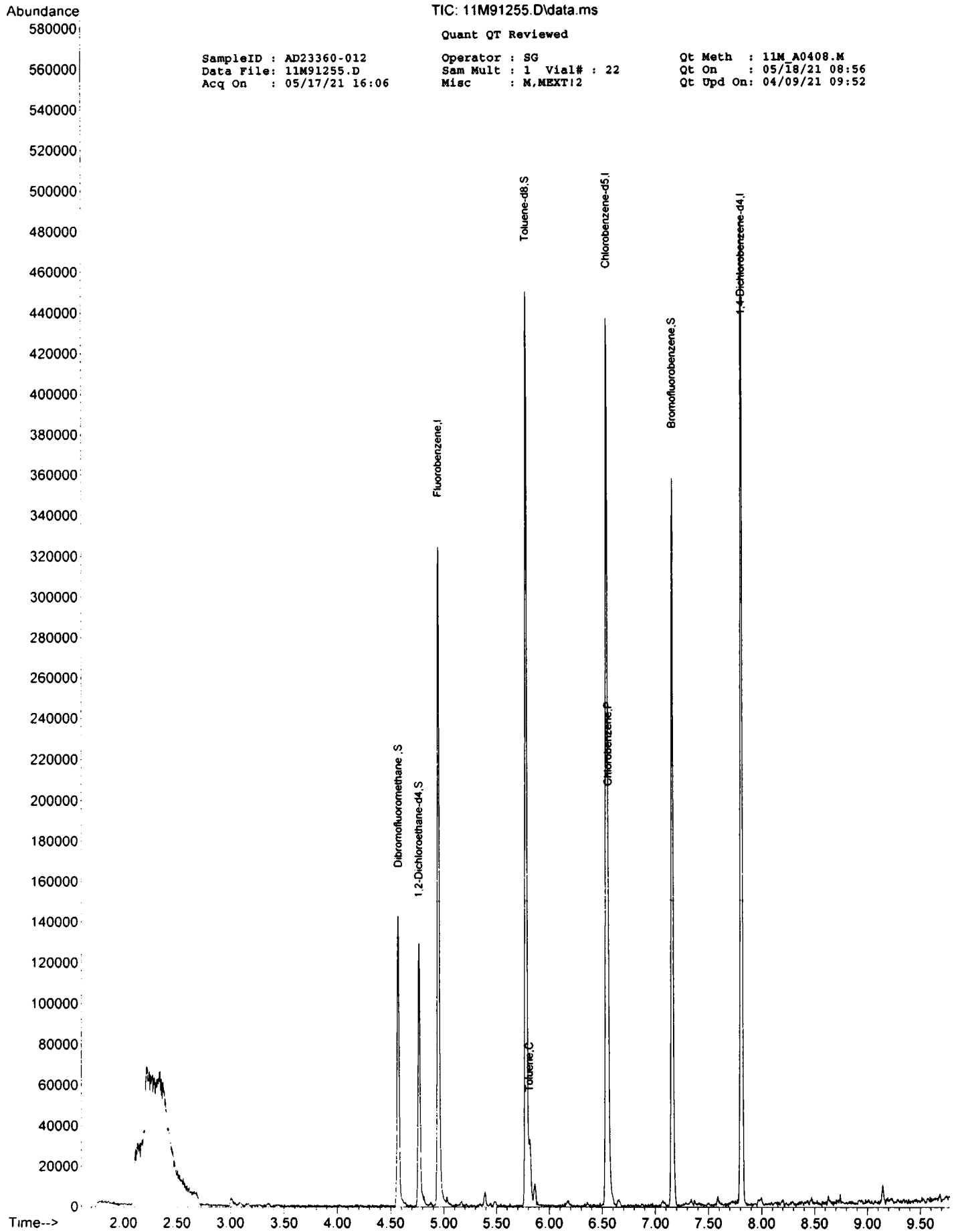
Quantitation Report (QT Reviewed)

SampleID : AD23360-012 Operator : SG Qt Meth : 11M_A0408.M
Data File: 11M91255.D Sam Mult : 1 Vial# : 22 Qt On : 05/18/21 08:56
Acq On : 05/17/21 16:06 Misc : M,MEXT!2 Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-17-21\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.948	96	200879	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	181303	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.810	152	98241	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.572	111	55798	28.77	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.90%			
39) 1,2-Dichloroethane-d4	4.765	67	29025	33.81	ug/l	0.00
Spiked Amount 30.000			Recovery = 112.70%			
66) Toluene-d8	5.778	98	216105	29.77	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.23%			
76) Bromofluorobenzene	7.160	174	75689	29.51	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.37%			
Target Compounds						Qvalue
67) Toluene	5.810	92	5275	1.1953	ug/l	57
69) Chlorobenzene	6.556	112	43705	8.5696	ug/l	94

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


Abundance
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Quant QT Reviewed
SampleID : AD23360-012
Data File: 11M91255.D
Acq On : 05/17/21 16:06
Operator : SG
Sam Mult : 1 Vial# : 22
Misc : M,MEXT!2
Qt Meth : 11M_A0408.M
Qt On : 05/18/21 08:56
Qt Upd On: 04/09/21 09:52
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Toluene,C
Chlorobenzene-d5,I
Chlorobenzene,C
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23360-013
Client Id: HSI-SB-21(11')
Data File: 8M546906.D
Analysis Date: 05/17/21 17:53
Date Rec/Extracted: 05/12/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 6.86g
Final Vol: NA
Dilution: 0.729
Solids: 84

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.00080	0.0017	U	56-23-5	Carbon Tetrachloride	0.00084	0.0017	U
79-34-5	1,1,2,2-Tetrachloroethane	0.00039	0.0017	U	**108-90-7**	**Chlorobenzene**	**0.00054**	**0.00087**	**0.37**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0012	0.0017	U	75-00-3	Chloroethane	0.0017	0.0017	U
79-00-5	1,1,2-Trichloroethane	0.00040	0.0017	U	67-66-3	Chloroform	0.0012	0.0017	U
75-34-3	**1,1-Dichloroethane**	**0.00075**	**0.0017**	**0.0011J**	74-87-3	Chloromethane	0.0011	0.0017	U
75-35-4	1,1-Dichloroethene	0.0010	0.0017	U	156-59-2	cis-1,2-Dichloroethene	0.00070	0.0017	U
87-61-6	1,2,3-Trichlorobenzene	0.00048	0.0017	U	10061-01-5	cis-1,3-Dichloropropene	0.00046	0.0017	U
120-82-1	1,2,4-Trichlorobenzene	0.00055	0.0017	U	110-82-7	Cyclohexane	0.0010	0.0017	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.00048	0.0017	U	124-48-1	Dibromochloromethane	0.00037	0.0017	U
106-93-4	1,2-Dibromoethane	0.00043	0.00043	U	75-71-8	Dichlorodifluoromethane	0.0012	0.0017	U
95-50-1	1,2-Dichlorobenzene	0.00044	0.0017	U	**100-41-4**	**Ethylbenzene**	**0.00060**	**0.00087**	**0.0054**
107-06-2	1,2-Dichloroethane	0.00036	0.0017	U	98-82-8	Isopropylbenzene	0.00072	0.00087	U
78-87-5	1,2-Dichloropropane	0.00071	0.0017	U	**179601-23-1**	**m&p-Xylenes**	**0.0010**	**0.0010**	**0.012**
541-73-1	1,3-Dichlorobenzene	0.00048	0.0017	U	79-20-9	Methyl Acetate	0.00083	0.0017	U
106-46-7	1,4-Dichlorobenzene	0.00046	0.0017	U	108-87-2	Methylcyclohexane	0.00078	0.0017	U
123-91-1	1,4-Dioxane	0.042	0.087	U	**75-09-2**	**Methylene Chloride**	**0.00065**	**0.0017**	**0.0023**
78-93-3	**2-Butanone**	**0.0010**	**0.0017**	**0.0020**	1634-04-4	Methyl-t-butyl ether	0.00047	0.00087	U
591-78-6	2-Hexanone	0.00074	0.0017	U	**95-47-6**	**o-Xylene**	**0.00062**	**0.00087**	**0.0037**
108-10-1	4-Methyl-2-Pentanone	0.00050	0.0017	U	100-42-5	Styrene	0.00048	0.0017	U
67-64-1	**Acetone**	**0.0059**	**0.0087**	**0.014**	127-18-4	Tetrachloroethene	0.00085	0.0017	U
71-43-2	**Benzene**	**0.00063**	**0.00087**	**0.010**	**108-88-3**	**Toluene**	**0.00057**	**0.00087**	**0.16**
74-97-5	Bromochloromethane	0.00061	0.0017	U	156-60-5	trans-1,2-Dichloroethene	0.0010	0.0017	U
75-27-4	Bromodichloromethane	0.00041	0.0017	U	10061-02-6	trans-1,3-Dichloropropene	0.00041	0.0017	U
75-25-2	Bromoform	0.00029	0.0017	U	79-01-6	Trichloroethene	0.00071	0.0017	U
74-83-9	Bromomethane	0.0014	0.0017	U	75-69-4	Trichlorofluoromethane	0.0010	0.0017	U
75-15-0	**Carbon Disulfide**	**0.0030**	**0.0030**	**0.020**	75-01-4	Vinyl Chloride	0.0011	0.0017	U
1330-20-7	**Xylenes (Total)**	**0.00062**	**0.00087**	**0.016**					

Worksheet #: 592764

Total Target Concentration 0.6

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

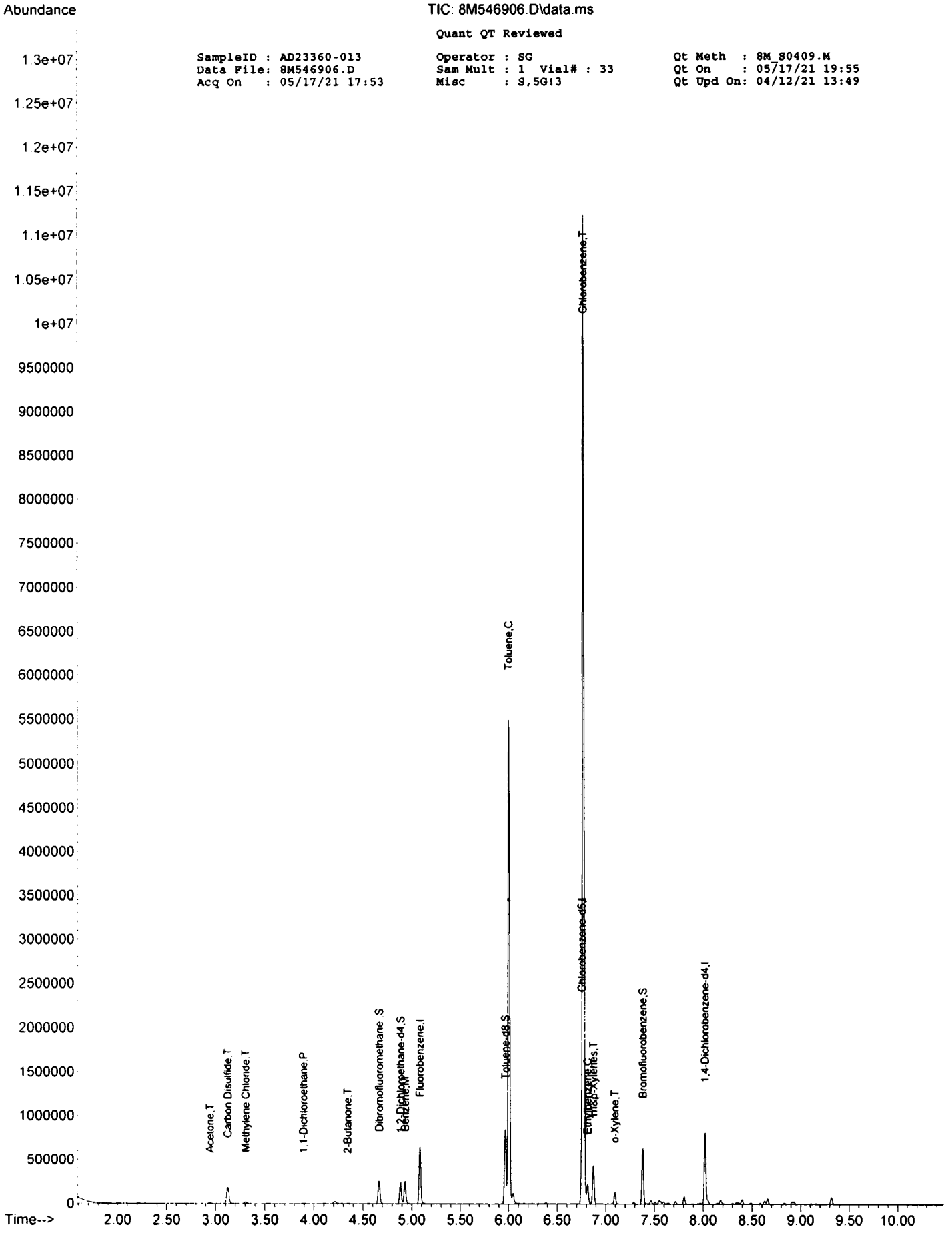
Quantitation Report (QT Reviewed)

SampleID : AD23360-013 Operator : SG Qt Meth : 8M_S0409.M
Data File: 8M546906.D Sam Mult : 1 Vial# : 33 Qt On : 05/17/21 19:55
Acq On : 05/17/21 17:53 Misc : S,5G!3 Qt Upd On: 04/12/21 13:49

Data Path : G:\GcMsData\2021\GCMS_8\Data\05-17-21\
Qt Path : G:\GcMsData\2021\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.082	96	379837	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.754	117	308679	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.018	152	165855	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.667	111	106153	30.86	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.87%			
39) 1,2-Dichloroethane-d4	4.886	67	57234	34.94	ug/l	0.00
Spiked Amount 30.000			Recovery = 116.47%			
66) Toluene-d8	5.966	98	376315	29.09	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.97%			
76) Bromofluorobenzene	7.381	174	130233	30.61	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.03%			
Target Compounds						Qvalue
15) Methylene Chloride	3.304	84	8475	2.6409	ug/l	78
19) Acetone	2.941	43	13745	15.9481	ug/l	68
20) Carbon Disulfide	3.124	76	227712	22.6355	ug/l	100
27) 1,1-Dichloroethane	3.893	63	6893	1.3119	ug/l	97
41) 2-Butanone	4.343	43	2957	2.3439	ug/l	87
50) Benzene	4.931	78	145812	11.5260	ug/l	100
67) Toluene	6.002	92	1587353	181.4667	ug/l	98
69) Chlorobenzene	6.770	112	4340502	430.9601	ug/l	96
74) Ethylbenzene	6.812	106	28072	6.2584	ug/l	69
78) m&p-Xylenes	6.873	106	87608	13.7171	ug/l	78
79) o-Xylene	7.092	106	25766	4.2946	ug/l	96

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


Abundance
TIC: 8M546906.D\data.ms
Quant QT Reviewed
SampleID : AD23360-013
Data File: 8M546906.D
Acq On : 05/17/21 17:53
Operator : SG
Sam Mult : 1 Vial# : 33
Misc : S,5G13
Qt Meth : 8M_S0409.M
Qt On : 05/17/21 19:55
Qt Upd On: 04/12/21 13:49
Acetone,T
Carbon Disulfide,T
Methylene Chloride,T
1,1-Dichloroethane,P
2-Butanone,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Toluene,C
Chlorobenzene-d5,I
Chlorobenzene,T
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23360-014
Client Id: HSI-SB-21(13.5')
Data File: 8M546904.D
Analysis Date: 05/17/21 17:15
Date Rec/Extracted: 05/12/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 6.92g
Final Vol: NA
Dilution: 0.723
Solids: 81

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.00082	0.0018	U	56-23-5	Carbon Tetrachloride	0.00087	0.0018	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**0.00040**	**0.0018**	**0.0016J**	**108-90-7**	**Chlorobenzene**	**0.00055**	**0.00089**	**0.097**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0012	0.0018	U	75-00-3	Chloroethane	0.0017	0.0018	U
79-00-5	1,1,2-Trichloroethane	0.00041	0.0018	U	67-66-3	Chloroform	0.0012	0.0018	U
75-34-3	**1,1-Dichloroethane**	**0.00078**	**0.0018**	**0.0013J**	74-87-3	Chloromethane	0.0011	0.0018	U
75-35-4	1,1-Dichloroethene	0.0010	0.0018	U	**156-59-2**	**cis-1,2-Dichloroethene**	**0.00072**	**0.0018**	**0.064**
87-61-6	1,2,3-Trichlorobenzene	0.00049	0.0018	U	10061-01-5	cis-1,3-Dichloropropene	0.00047	0.0018	U
120-82-1	1,2,4-Trichlorobenzene	0.00056	0.0018	U	110-82-7	Cyclohexane	0.0011	0.0018	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.00049	0.0018	U	124-48-1	Dibromochloromethane	0.00038	0.0018	U
106-93-4	1,2-Dibromoethane	0.00044	0.00045	U	75-71-8	Dichlorodifluoromethane	0.0013	0.0018	U
95-50-1	1,2-Dichlorobenzene	0.00045	0.0018	U	100-41-4	Ethylbenzene	0.00062	0.00089	U
107-06-2	**1,2-Dichloroethane**	**0.00037**	**0.0018**	**0.0069**	98-82-8	Isopropylbenzene	0.00074	0.00089	U
78-87-5	1,2-Dichloropropane	0.00073	0.0018	U	179601-23-1	m&p-Xylenes	0.0011	0.0011	U
541-73-1	1,3-Dichlorobenzene	0.00049	0.0018	U	79-20-9	Methyl Acetate	0.00086	0.0018	U
106-46-7	1,4-Dichlorobenzene	0.00047	0.0018	U	108-87-2	Methylcyclohexane	0.00080	0.0018	U
123-91-1	1,4-Dioxane	0.043	0.089	U	**75-09-2**	**Methylene Chloride**	**0.00067**	**0.0018**	**0.0049**
78-93-3	2-Butanone	0.0011	0.0018	U	**1634-04-4**	**Methyl-t-butyl ether**	**0.00048**	**0.00089**	**0.0033**
591-78-6	2-Hexanone	0.00076	0.0018	U	95-47-6	o-Xylene	0.00063	0.00089	U
108-10-1	4-Methyl-2-Pentanone	0.00052	0.0018	U	100-42-5	Styrene	0.00049	0.0018	U
67-64-1	**Acetone**	**0.0060**	**0.0089**	**0.0070J**	127-18-4	Tetrachloroethene	0.00087	0.0018	U
71-43-2	**Benzene**	**0.00065**	**0.00089**	**0.0063**	108-88-3	Toluene	0.00059	0.00089	U
74-97-5	Bromochloromethane	0.00062	0.0018	U	**156-60-5**	**trans-1,2-Dichloroethene**	**0.0011**	**0.0018**	**0.017**
75-27-4	Bromodichloromethane	0.00042	0.0018	U	10061-02-6	trans-1,3-Dichloropropene	0.00042	0.0018	U
75-25-2	Bromoform	0.00029	0.0018	U	**79-01-6**	**Trichloroethene**	**0.00073**	**0.0018**	**0.0015J**
74-83-9	Bromomethane	0.0014	0.0018	U	75-69-4	Trichlorofluoromethane	0.0011	0.0018	U
75-15-0	Carbon Disulfide	0.0030	0.0030	U	**75-01-4**	**Vinyl Chloride**	**0.0011**	**0.0018**	**0.021**
1330-20-7	Xylenes (Total)	0.00063	0.00089	U					

Worksheet #: 592764

Total Target Concentration 0.23

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Quantitation Report (QT Reviewed)

SampleID : AD23360-014 Operator : SG Qt Meth : 8M_S0409.M
Data File: 8M546904.D Sam Mult : 1 Vial# : 31 Qt On : 05/17/21 19:54
Acq On : 05/17/21 17:15 Misc : S,5G!3 Qt Upd On: 04/12/21 13:49

Data Path : G:\GcMsData\2021\GCMS_8\Data\05-17-21\
Qt Path : G:\GcMsData\2021\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.082	96	390263	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.754	117	308484	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.018	152	166627	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.667	111	107310	30.37	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.23%			
39) 1,2-Dichloroethane-d4	4.886	67	55300	32.86	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.53%			
66) Toluene-d8	5.966	98	391034	30.24	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.80%			
76) Bromofluorobenzene	7.381	174	133338	31.19	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.97%			
Target Compounds						Qvalue
9) Vinyl Chloride	1.912	62	73625	23.3609	ug/l	97
15) Methylene Chloride	3.304	84	18159	5.5073	ug/l	85
19) Acetone	2.941	43	6965	7.8655	ug/l	66
26) Methyl-t-butyl ether	3.532	73	29085	3.6815	ug/l	55
27) 1,1-Dichloroethane	3.889	63	8020	1.4856	ug/l	98
28) trans-1,2-Dichloroethene	3.539	96	68389	18.8552	ug/l	76
30) cis-1,2-Dichloroethene	4.349	61	390185	72.2850	ug/l	53
40) 1,2-Dichloroethane	4.931	62	32035	7.7912	ug/l	97
49) Trichloroethene	5.294	130	7324	1.6893	ug/l	81
50) Benzene	4.931	78	91097	7.0086	ug/l	100
69) Chlorobenzene	6.770	112	1095573	108.8461	ug/l	98
75) 1,1,2,2-Tetrachloroethane	7.432	83	6177	1.8277	ug/l	92

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

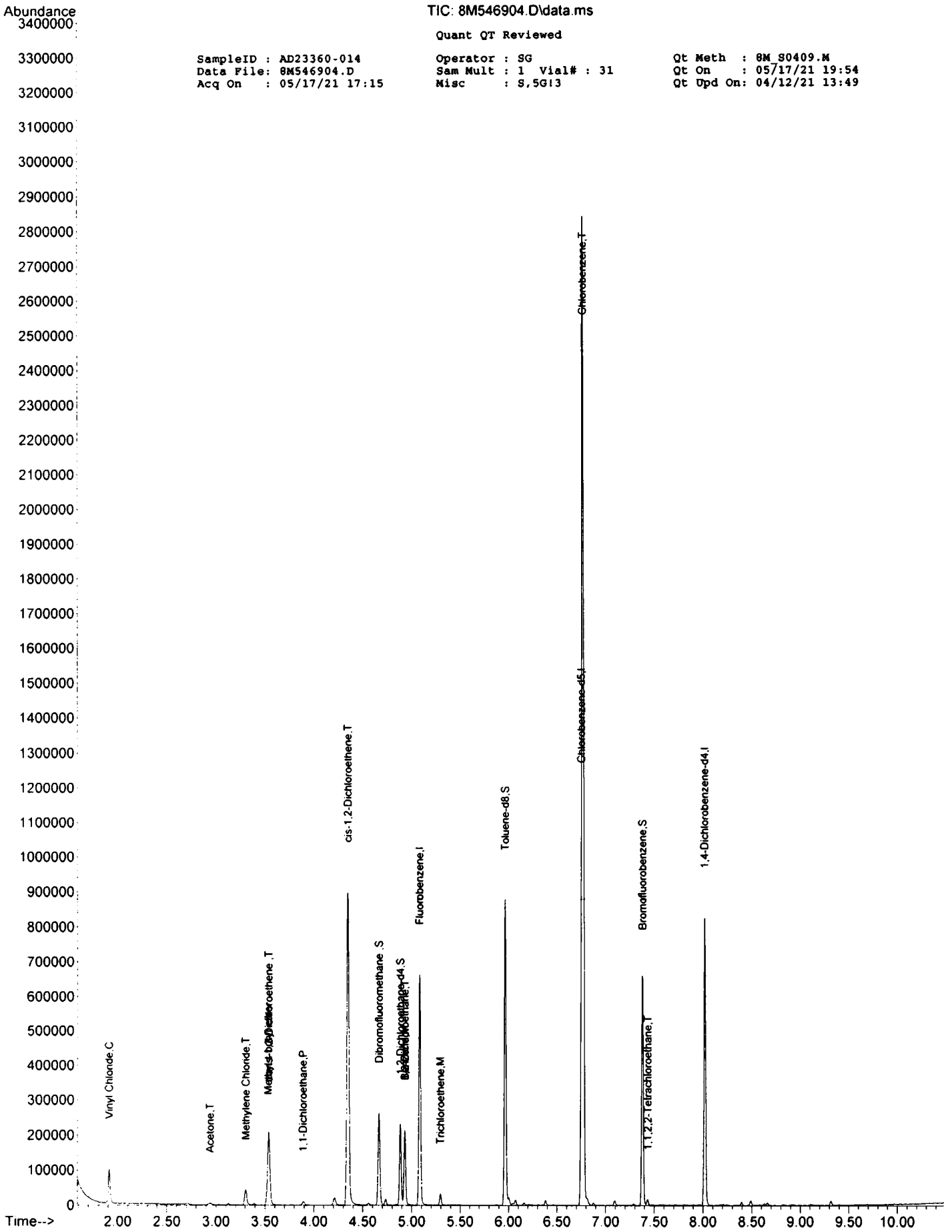
TIC: 8M546904.D\data.ms

Quant QT Reviewed

SampleID : AD23360-014
Data File: 8M546904.D
Acq On : 05/17/21 17:15

Operator : SG
Sam Mult : 1 Vial# : 31
Misc : S,5G13

Qt Meth : 8M_S0409.M
Qt On : 05/17/21 19:54
Qt Upd On: 04/12/21 13:49



Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23360-015
Client Id: HSI-SB-D1
Data File: 11M91262.D
Analysis Date: 05/17/21 18:36
Date Rec/Extracted: 05/12/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 5.93g:10ml
Final Vol: NA
Dilution: 84.3
Solids: 80

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.038	0.11	U	56-23-5	Carbon Tetrachloride	0.034	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	0.047	0.11	U	**108-90-7**	**Chlorobenzene**	**0.035**	**0.11**	**2.0**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.077	0.11	U	75-00-3	Chloroethane	0.061	0.11	U
79-00-5	1,1,2-Trichloroethane	0.034	0.11	U	67-66-3	Chloroform	0.21	0.21	U
75-34-3	1,1-Dichloroethane	0.045	0.11	U	74-87-3	Chloromethane	0.054	0.11	U
75-35-4	1,1-Dichloroethene	0.056	0.11	U	156-59-2	cis-1,2-Dichloroethene	0.067	0.11	U
87-61-6	1,2,3-Trichlorobenzene	0.083	0.11	U	10061-01-5	cis-1,3-Dichloropropene	0.034	0.11	U
120-82-1	1,2,4-Trichlorobenzene	0.077	0.11	U	110-82-7	Cyclohexane	0.051	0.11	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.088	0.11	U	124-48-1	Dibromochloromethane	0.025	0.11	U
106 93-4	1,2-Dibromoethane	0.036	0.11	U	75-71-8	Dichlorodifluoromethane	0.065	0.11	U
95-50-1	1,2-Dichlorobenzene	0.034	0.11	U	100-41-4	Ethylbenzene	0.049	0.11	U
107-06-2	1,2-Dichloroethane	0.067	0.067	U	98-82-8	Isopropylbenzene	0.052	0.11	U
78-87-5	1,2-Dichloropropane	0.032	0.11	U	179601-23-1	m&p-Xylenes	0.090	0.11	U
541-73-1	1,3-Dichlorobenzene	0.040	0.11	U	79-20-9	Methyl Acetate	0.074	0.11	U
106-46-7	1,4-Dichlorobenzene	0.039	0.11	U	108-87-2	Methylcyclohexane	0.065	0.11	U
123-91-1	1,4-Dioxane	4.1	5.3	U	75-09-2	Methylene Chloride	0.031	0.11	U
78-93-3	2-Butanone	0.079	0.11	U	1634-04-4	Methyl-t-butyl ether	0.033	0.053	U
591 78-6	2-Hexanone	0.063	0.11	U	95-47-6	o-Xylene	0.072	0.11	U
108-10-1	4-Methyl-2-Pentanone	0.051	0.11	U	100-42-5	Styrene	0.057	0.11	U
67-64-1	Acetone	0.48	0.53	U	127-18-4	Tetrachloroethene	0.038	0.11	U
71-43-2	**Benzene**	**0.031**	**0.053**	**0.060**	**108-88-3**	**Toluene**	**0.034**	**0.11**	**0.61**
74-97-5	Bromochloromethane	0.083	0.11	U	156-60-5	trans-1,2-Dichloroethene	0.033	0.11	U
75-27-4	Bromodichloromethane	0.036	0.11	U	10061-02-6	trans-1,3-Dichloropropene	0.032	0.11	U
75-25-2	Bromoform	0.057	0.11	U	79-01-6	Trichloroethene	0.036	0.11	U
74-83-9	Bromomethane	0.053	0.11	U	75-69-4	Trichlorofluoromethane	0.032	0.11	U
75-15-0	Carbon Disulfide	0.045	0.11	U	75-01-4	Vinyl Chloride	0.074	0.11	U
1330-20-7	Xylenes (Total)	0.072	0.11	U					

Worksheet #: 592764 *Total Target Concentration* 2.7 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

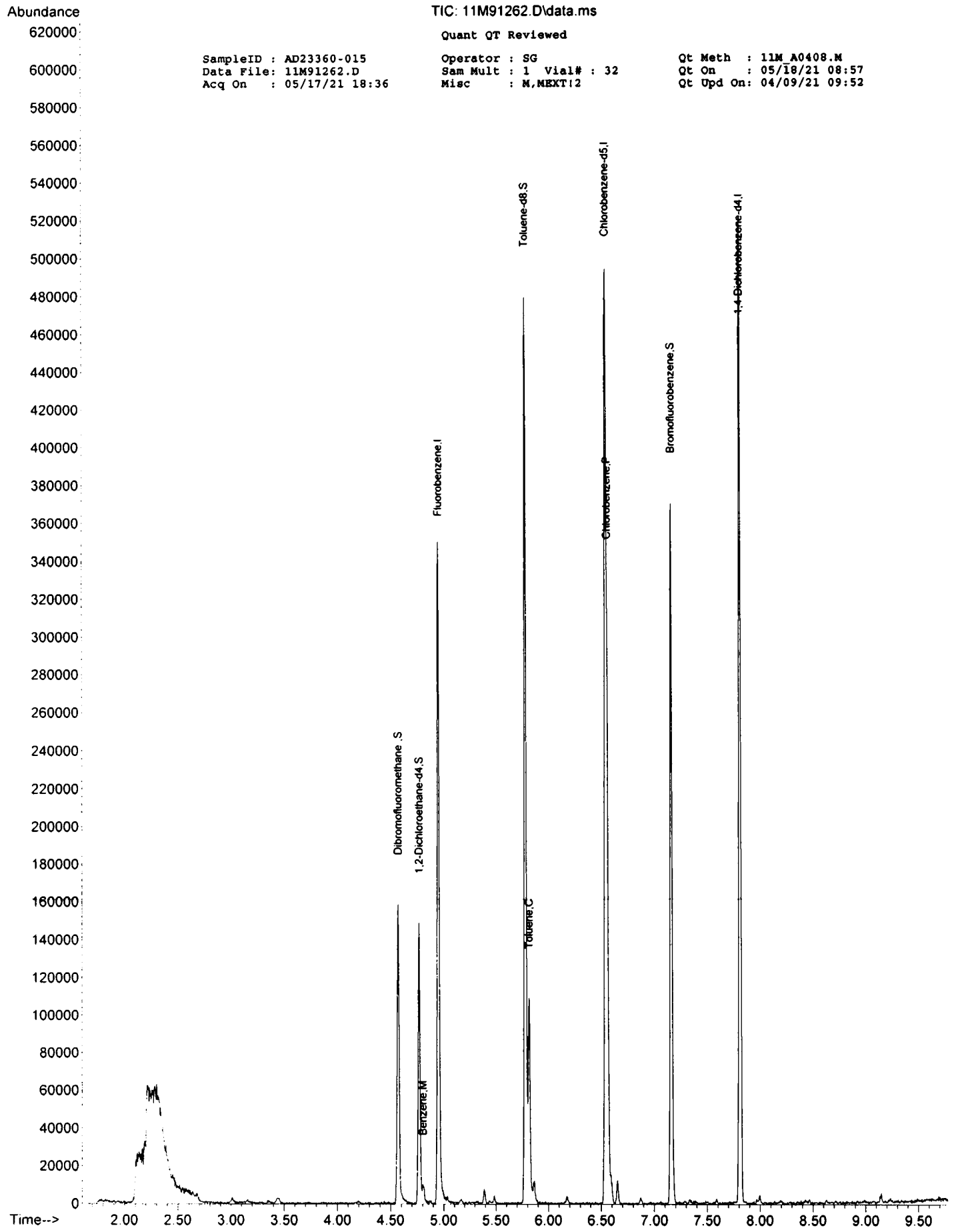
Quantitation Report (QT Reviewed)

SampleID : AD23360-015 Operator : SG Qt Meth : 11M_A0408.M
Data File: 11M91262.D Sam Mult : 1 Vial# : 32 Qt On : 05/18/21 08:57
Acq On : 05/17/21 18:36 Misc : M,MEXT!2 Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-17-21\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.951	96	220169	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	195343	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.806	152	103270	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.572	111	60583	28.50	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.00%			
39) 1,2-Dichloroethane-d4	4.768	67	30917	32.86	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.53%			
66) Toluene-d8	5.778	98	231000	29.53	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.43%			
76) Bromofluorobenzene	7.160	174	80722	29.94	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.80%			
Target Compounds						Qvalue
50) Benzene	4.803	78	4087	0.5706	ug/l	100
67) Toluene	5.816	92	27575	5.7996	ug/l	99
69) Chlorobenzene	6.556	112	102810	18.7099	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : AD23360-015
Data File: 11M91262.D
Acq On : 05/17/21 18:36
Operator : SG
Sam Mult : 1 Vial# : 32
Misc : M,MEXT!2
Qt Meth : 11M_A0408.M
Qt On : 05/18/21 08:57
Qt Upd On: 04/09/21 09:52
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Benzene,M
Fluorobenzene,I
Toluene-d8,S
Toluene,C
Chlorobenzene-d5,I
Chlorobenzene,C
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 11M91238.D
Analysis Date: 05/17/21 10:00
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 5g:10ml
Final Vol: NA
Dilution: 100
Solids: 100

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.036	0.10	U	56-23-5	Carbon Tetrachloride	0.032	0.10	U
79-34-5	1,1,2,2-Tetrachloroethane	0.045	0.10	U	108-90-7	Chlorobenzene	0.033	0.10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.073	0.10	U	75-00-3	Chloroethane	0.058	0.10	U
79-00-5	1,1,2-Trichloroethane	0.032	0.10	U	67-66-3	Chloroform	0.20	0.20	U
75-34-3	1,1-Dichloroethane	0.043	0.10	U	74-87-3	Chloromethane	0.052	0.10	U
75-35-4	1,1-Dichloroethene	0.053	0.10	U	156-59-2	cis-1,2-Dichloroethene	0.064	0.10	U
87-61-6	1,2,3-Trichlorobenzene	0.079	0.10	U	10061-01-5	cis-1,3-Dichloropropene	0.032	0.10	U
120-82-1	1,2,4-Trichlorobenzene	0.073	0.10	U	110-82-7	Cyclohexane	0.049	0.10	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.083	0.10	U	124-48-1	Dibromochloromethane	0.024	0.10	U
106-93-4	1,2-Dibromoethane	0.034	0.10	U	75-71-8	Dichlorodifluoromethane	0.062	0.10	U
95-50-1	1,2-Dichlorobenzene	0.032	0.10	U	100-41-4	Ethylbenzene	0.047	0.10	U
107-06-2	1,2-Dichloroethane	0.064	0.064	U	98-82-8	Isopropylbenzene	0.049	0.10	U
78-87-5	1,2-Dichloropropane	0.030	0.10	U	179601-23-1	m&p-Xylenes	0.085	0.10	U
541-73-1	1,3-Dichlorobenzene	0.038	0.10	U	79-20-9	Methyl Acetate	0.070	0.10	U
106-46-7	1,4-Dichlorobenzene	0.037	0.10	U	108-87-2	Methylcyclohexane	0.061	0.10	U
123-91-1	1,4-Dioxane	3.9	5.0	U	75-09-2	Methylene Chloride	0.029	0.10	U
78-93-3	2-Butanone	0.075	0.10	U	1634-04-4	Methyl-t-butyl ether	0.031	0.050	U
591-78-6	2-Hexanone	0.060	0.10	U	95-47-6	o-Xylene	0.068	0.10	U
108-10-1	4-Methyl-2-Pentanone	0.049	0.10	U	100-42-5	Styrene	0.054	0.10	U
67-64-1	Acetone	0.46	0.50	U	127-18-4	Tetrachloroethene	0.036	0.10	U
71-43-2	Benzene	0.030	0.050	U	108-88-3	Toluene	0.033	0.10	U
74-97-5	Bromochloromethane	0.079	0.10	U	156-60-5	trans-1,2-Dichloroethene	0.031	0.10	U
75-27-4	Bromodichloromethane	0.035	0.10	U	10061-02-6	trans-1,3-Dichloropropene	0.031	0.10	U
75-25-2	Bromoform	0.054	0.10	U	79-01-6	Trichloroethene	0.035	0.10	U
74-83-9	Bromomethane	0.050	0.10	U	75-69-4	Trichlorofluoromethane	0.031	0.10	U
75-15-0	Carbon Disulfide	0.042	0.10	U	75-01-4	Vinyl Chloride	0.071	0.10	U

Worksheet #: 592764

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

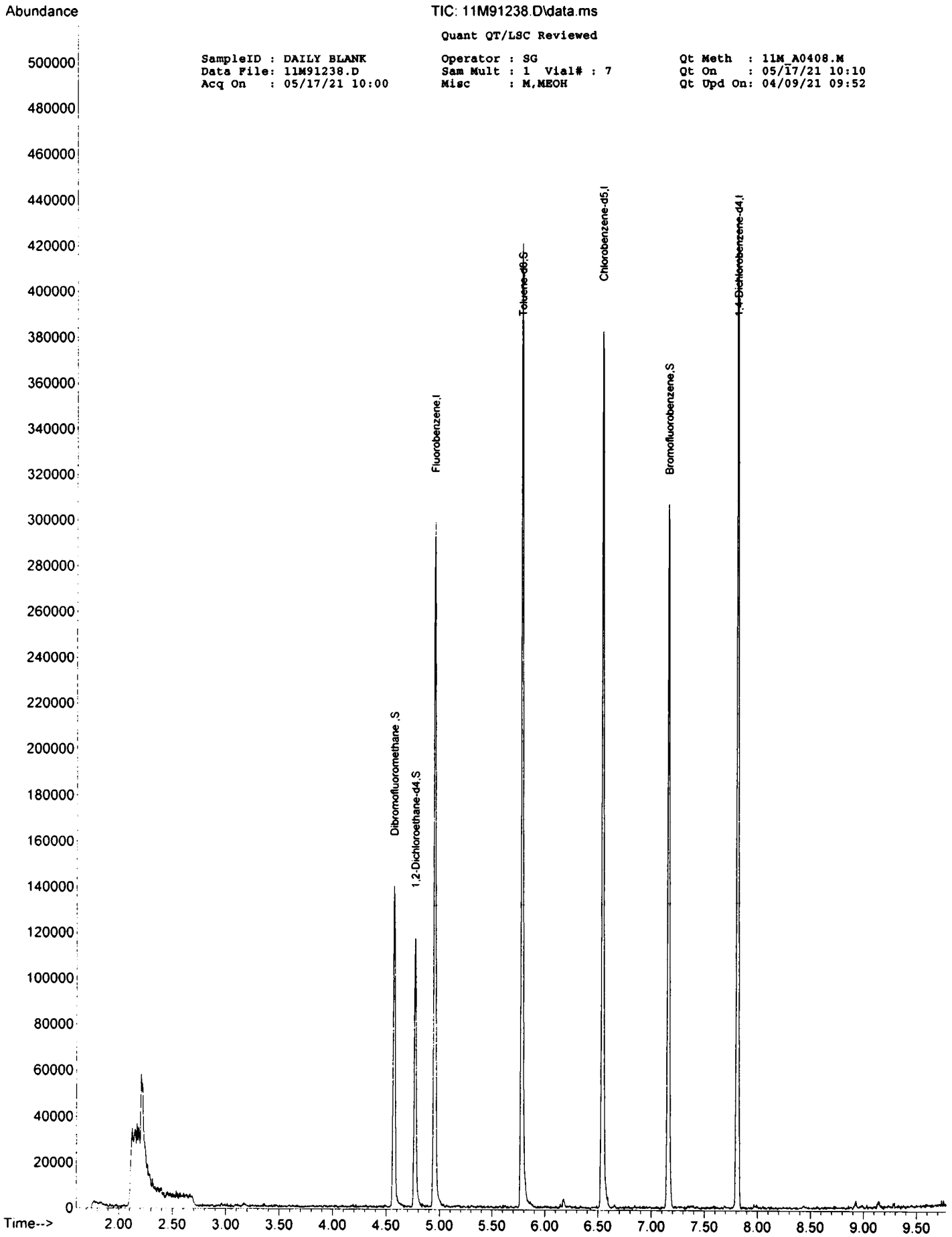
U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

SampleID : DAILY BLANK Operator : SG Qt Meth : 11M_A0408.M
Data File: 11M91238.D Sam Mult : 1 Vial# : 7 Qt On : 05/17/21 10:10
Acq On : 05/17/21 10:00 Misc : M,MEOH Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-17-21\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.951	96	188703	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	161350	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.810	152	86954	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.572	111	53199	29.20	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.33%			
39) 1,2-Dichloroethane-d4	4.768	67	26709	33.12	ug/l	0.00
Spiked Amount 30.000			Recovery = 110.40%			
66) Toluene-d8	5.781	98	196442	30.40	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.33%			
76) Bromofluorobenzene	7.160	174	70280	30.96	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.20%			
Target Compounds						Qvalue

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


Abundance
TIC: 11M91238.D\data.ms
Quant QT/LSC Reviewed
SampleID : DAILY BLANK
Data File: 11M91238.D
Acq On : 05/17/21 10:00
Operator : SG
Sam Mult : 1 Vial# : 7
Misc : M,MEOH
Qt Meth : 11M_A0408.M
Qt On : 05/17/21 10:10
Qt Upd On: 04/09/21 09:52
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 11M91507.D
Analysis Date: 05/21/21 11:05
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 5g:10ml
Final Vol: NA
Dilution: 100
Solids: 100

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.036	0.10	U	56-23-5	Carbon Tetrachloride	0.032	0.10	U
79-34-5	1,1,2,2-Tetrachloroethane	0.045	0.10	U	108-90-7	Chlorobenzene	0.033	0.10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.073	0.10	U	75-00-3	Chloroethane	0.058	0.10	U
79-00-5	1,1,2-Trichloroethane	0.032	0.10	U	67-66-3	Chloroform	0.20	0.20	U
75-34-3	1,1-Dichloroethane	0.043	0.10	U	74-87-3	Chloromethane	0.052	0.10	U
75-35-4	1,1-Dichloroethene	0.053	0.10	U	156-59-2	cis-1,2-Dichloroethene	0.064	0.10	U
87-61-6	1,2,3-Trichlorobenzene	0.079	0.10	U	10061-01-5	cis-1,3-Dichloropropene	0.032	0.10	U
120-82-1	1,2,4-Trichlorobenzene	0.073	0.10	U	110-82-7	Cyclohexane	0.049	0.10	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.083	0.10	U	124-48-1	Dibromochloromethane	0.024	0.10	U
106-93-4	1,2-Dibromoethane	0.034	0.10	U	75-71-8	Dichlorodifluoromethane	0.062	0.10	U
95-50-1	1,2-Dichlorobenzene	0.032	0.10	U	100-41-4	Ethylbenzene	0.047	0.10	U
107-06-2	1,2-Dichloroethane	0.064	0.064	U	98-82-8	Isopropylbenzene	0.049	0.10	U
78-87-5	1,2-Dichloropropane	0.030	0.10	U	179601-23-1	m&p-Xylenes	0.085	0.10	U
541-73-1	1,3-Dichlorobenzene	0.038	0.10	U	79-20-9	Methyl Acetate	0.070	0.10	U
106-46-7	1,4-Dichlorobenzene	0.037	0.10	U	108-87-2	Methylcyclohexane	0.061	0.10	U
123-91-1	1,4-Dioxane	3.9	5.0	U	75-09-2	Methylene Chloride	0.029	0.10	U
78-93-3	2-Butanone	0.075	0.10	U	1634-04-4	Methyl-t-butyl ether	0.031	0.050	U
591-78-6	2-Hexanone	0.060	0.10	U	95-47-6	o-Xylene	0.068	0.10	U
108-10-1	4-Methyl-2-Pentanone	0.049	0.10	U	100-42-5	Styrene	0.054	0.10	U
67-64-1	Acetone	0.46	0.50	U	127-18-4	Tetrachloroethene	0.036	0.10	U
71-43-2	Benzene	0.030	0.050	U	108-88-3	Toluene	0.033	0.10	U
74-97-5	Bromochloromethane	0.079	0.10	U	156-60-5	trans-1,2-Dichloroethene	0.031	0.10	U
75-27-4	Bromodichloromethane	0.035	0.10	U	10061-02-6	trans-1,3-Dichloropropene	0.031	0.10	U
75-25-2	Bromoform	0.054	0.10	U	79-01-6	Trichloroethene	0.035	0.10	U
74-83-9	Bromomethane	0.050	0.10	U	75-69-4	Trichlorofluoromethane	0.031	0.10	U
75-15-0	Carbon Disulfide	0.042	0.10	U	75-01-4	Vinyl Chloride	0.071	0.10	U

Worksheet # 592764

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

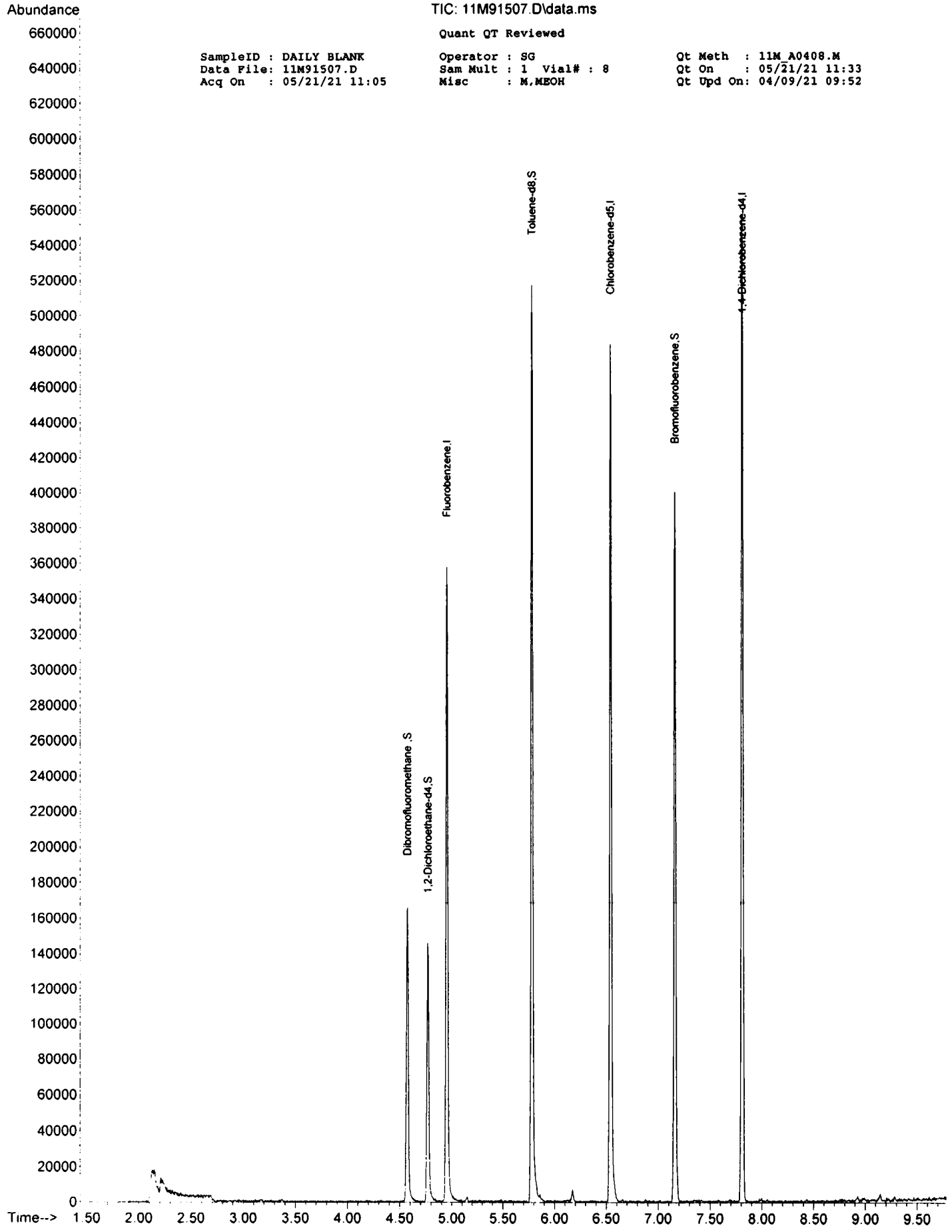
Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK
Data File: 11M91507.D
Acq On : 05/21/21 11:05
Operator : SG
Sam Mult : 1 Vial# : 8
Misc : M,MEOH
Qt Meth : 11M_A0408.M
Qt On : 05/21/21 11:33
Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-21-21\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.951	96	227248	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	209943	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.810	152	111571	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.572	111	64246	29.28	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.60%			
39) 1,2-Dichloroethane-d4	4.768	67	30894	31.81	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.03%			
66) Toluene-d8	5.781	98	244059	29.03	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.77%			
76) Bromofluorobenzene	7.160	174	90772	31.17	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.90%			
Target Compounds						Qvalue

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


Abundance
TIC: 11M91507.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 11M91507.D
Acq On : 05/21/21 11:05
Operator : SG
Sam Mult : 1 Vial# : 8
Misc : M,MEOH
Qt Meth : 11M_A0408.M
Qt On : 05/21/21 11:33
Qt Upd On: 04/09/21 09:52
Dibromofluoromethane .S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 8M546835.D
Analysis Date: 05/14/21 21:35
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5g
Final Vol: NA
Dilution: 1.00
Solids: 100

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.00092	0.0020	U	56-23-5	Carbon Tetrachloride	0.00097	0.0020	U
79-34-5	1,1,2,2-Tetrachloroethane	0.00045	0.0020	U	108-90-7	Chlorobenzene	0.00062	0.0010	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0014	0.0020	U	75-00-3	Chloroethane	0.0020	0.0020	U
79-00-5	1,1,2-Trichloroethane	0.00046	0.0020	U	67-66-3	Chloroform	0.0014	0.0020	U
75-34-3	1,1-Dichloroethane	0.00087	0.0020	U	74-87-3	Chloromethane	0.0012	0.0020	U
75-35-4	1,1-Dichloroethene	0.0012	0.0020	U	156-59-2	cis-1,2-Dichloroethene	0.00081	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	0.00055	0.0020	U	10061-01-5	cis-1,3-Dichloropropene	0.00053	0.0020	U
120-82-1	1,2,4-Trichlorobenzene	0.00063	0.0020	U	110-82-7	Cyclohexane	0.0012	0.0020	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.00055	0.0020	U	124-48-1	Dibromochloromethane	0.00043	0.0020	U
106-93-4	1,2-Dibromoethane	0.00049	0.00050	U	75-71-8	Dichlorodifluoromethane	0.0014	0.0020	U
95-50-1	1,2-Dichlorobenzene	0.00051	0.0020	U	100-41-4	Ethylbenzene	0.00069	0.0010	U
107-06-2	1,2-Dichloroethane	0.00041	0.0020	U	98-82-8	Isopropylbenzene	0.00083	0.0010	U
78-87-5	1,2-Dichloropropane	0.00082	0.0020	U	179601-23-1	m&p-Xylenes	0.0012	0.0012	U
541-73-1	1,3-Dichlorobenzene	0.00055	0.0020	U	79-20-9	Methyl Acetate	0.00096	0.0020	U
106-46-7	1,4-Dichlorobenzene	0.00053	0.0020	U	108-87-2	Methylcyclohexane	0.00090	0.0020	U
123-91-1	1,4-Dioxane	0.049	0.10	U	75-09-2	Methylene Chloride	0.00075	0.0020	U
78-93-3	2-Butanone	0.0012	0.0020	U	1634-04-4	Methyl-t-butyl ether	0.00054	0.0010	U
591-78-6	2-Hexanone	0.00085	0.0020	U	95-47-6	o-Xylene	0.00071	0.0010	U
108-10-1	4-Methyl-2-Pentanone	0.00058	0.0020	U	100-42-5	Styrene	0.00055	0.0020	U
67-64-1	Acetone	0.0068	0.010	U	127-18-4	Tetrachloroethene	0.00098	0.0020	U
71-43-2	Benzene	0.00073	0.0010	U	108-88-3	Toluene	0.00066	0.0010	U
74-97-5	Bromochloromethane	0.00070	0.0020	U	156-60-5	trans-1,2-Dichloroethene	0.0012	0.0020	U
75-27-4	Bromodichloromethane	0.00047	0.0020	U	10061-02-6	trans-1,3-Dichloropropene	0.00047	0.0020	U
75-25-2	Bromoform	0.00033	0.0020	U	79-01-6	Trichloroethene	0.00082	0.0020	U
74-83-9	Bromomethane	0.0016	0.0020	U	75-69-4	Trichlorofluoromethane	0.0012	0.0020	U
75-15-0	Carbon Disulfide	0.0034	0.0034	U	75-01-4	Vinyl Chloride	0.0012	0.0020	U

Worksheet #: 592764

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

SampleID : DAILY BLANK Operator : WP Qt Meth : 8M_S0409.M
Data File: 8M546835.D Sam Mult : 1 Vial# : 1 Qt On : 05/14/21 21:52
Acq On : 05/14/21 21:35 Misc : S,5G Qt Upd On: 04/12/21 13:49

Data Path : G:\GcMsData\2021\GCMS_8\Data\05-14-21\
Qt Path : G:\GcMsData\2021\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.082	96	444193	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.751	117	344408	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.018	152	184655	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.664	111	117092	29.11	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.03%			
39) 1,2-Dichloroethane-d4	4.883	67	60350	31.50	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.00%			
66) Toluene-d8	5.963	98	443175	30.70	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.33%			
76) Bromofluorobenzene	7.378	174	146260	30.88	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.93%			
Target Compounds						Qvalue

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

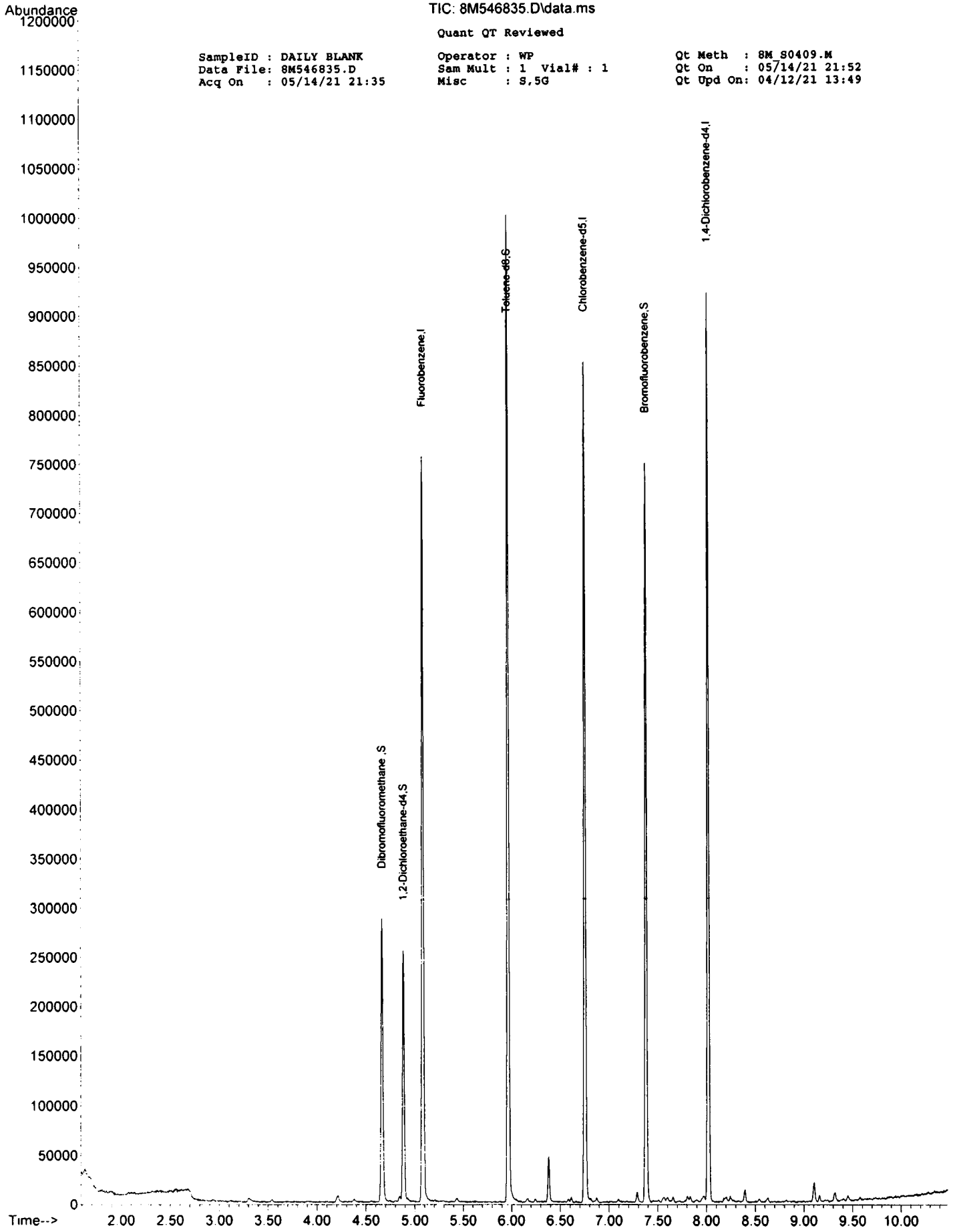
TIC: 8M546835.D\data.ms

Quant QT Reviewed

SampleID : DAILY BLANK
Data File: 8M546835.D
Acq On : 05/14/21 21:35

Operator : WP
Sam Mult : 1 Vial# : 1
Misc : S,5G

Qt Meth : 8M_S0409.M
Qt On : 05/14/21 21:52
Qt Upd On: 04/12/21 13:49



Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 8M546880.D
Analysis Date: 05/17/21 09:39
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5g
Final Vol: NA
Dilution: 1.00
Solids: 100

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.00092	0.0020	U	56-23-5	Carbon Tetrachloride	0.00097	0.0020	U
79-34-5	1,1,2,2-Tetrachloroethane	0.00045	0.0020	U	108-90-7	Chlorobenzene	0.00062	0.0010	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0014	0.0020	U	75-00-3	Chloroethane	0.0020	0.0020	U
79-00-5	1,1,2-Trichloroethane	0.00046	0.0020	U	67-66-3	Chloroform	0.0014	0.0020	U
75-34-3	1,1-Dichloroethane	0.00087	0.0020	U	74-87-3	Chloromethane	0.0012	0.0020	U
75-35-4	1,1-Dichloroethene	0.0012	0.0020	U	156-59-2	cis-1,2-Dichloroethene	0.00081	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	0.00055	0.0020	U	10061-01-5	cis-1,3-Dichloropropene	0.00053	0.0020	U
120-82-1	1,2,4-Trichlorobenzene	0.00063	0.0020	U	110-82-7	Cyclohexane	0.0012	0.0020	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.00055	0.0020	U	124-48-1	Dibromochloromethane	0.00043	0.0020	U
106-93-4	1,2-Dibromoethane	0.00049	0.00050	U	75-71-8	Dichlorodifluoromethane	0.0014	0.0020	U
95-50-1	1,2-Dichlorobenzene	0.00051	0.0020	U	100-41-4	Ethylbenzene	0.00069	0.0010	U
107-06-2	1,2-Dichloroethane	0.00041	0.0020	U	98-82-8	Isopropylbenzene	0.00083	0.0010	U
78-87-5	1,2-Dichloropropane	0.00082	0.0020	U	179601-23-1	m&p-Xylenes	0.0012	0.0012	U
541-73-1	1,3-Dichlorobenzene	0.00055	0.0020	U	79-20-9	Methyl Acetate	0.00096	0.0020	U
106-46-7	1,4-Dichlorobenzene	0.00053	0.0020	U	108-87-2	Methylcyclohexane	0.00090	0.0020	U
123-91-1	1,4-Dioxane	0.049	0.10	U	75-09-2	Methylene Chloride	0.00075	0.0020	U
78-93-3	2-Butanone	0.0012	0.0020	U	1634-04-4	Methyl-t-butyl ether	0.00054	0.0010	U
591-78-6	2-Hexanone	0.00085	0.0020	U	95-47-6	o-Xylene	0.00071	0.0010	U
108-10-1	4-Methyl-2-Pentanone	0.00058	0.0020	U	100-42-5	Styrene	0.00055	0.0020	U
67-64-1	Acetone	0.0068	0.010	U	127-18-4	Tetrachloroethene	0.00098	0.0020	U
71-43-2	Benzene	0.00073	0.0010	U	108-88-3	Toluene	0.00066	0.0010	U
74-97-5	Bromochloromethane	0.00070	0.0020	U	156-60-5	trans-1,2-Dichloroethene	0.0012	0.0020	U
75-27-4	Bromodichloromethane	0.00047	0.0020	U	10061-02-6	trans-1,3-Dichloropropene	0.00047	0.0020	U
75-25-2	Bromoform	0.00033	0.0020	U	79-01-6	Trichloroethene	0.00082	0.0020	U
74-83-9	Bromomethane	0.0016	0.0020	U	75-69-4	Trichlorofluoromethane	0.0012	0.0020	U
75-15-0	Carbon Disulfide	0.0034	0.0034	U	75-01-4	Vinyl Chloride	0.0012	0.0020	U

Worksheet #: 592764

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK
Data File: 8M546880.D
Acq On : 05/17/21 09:39

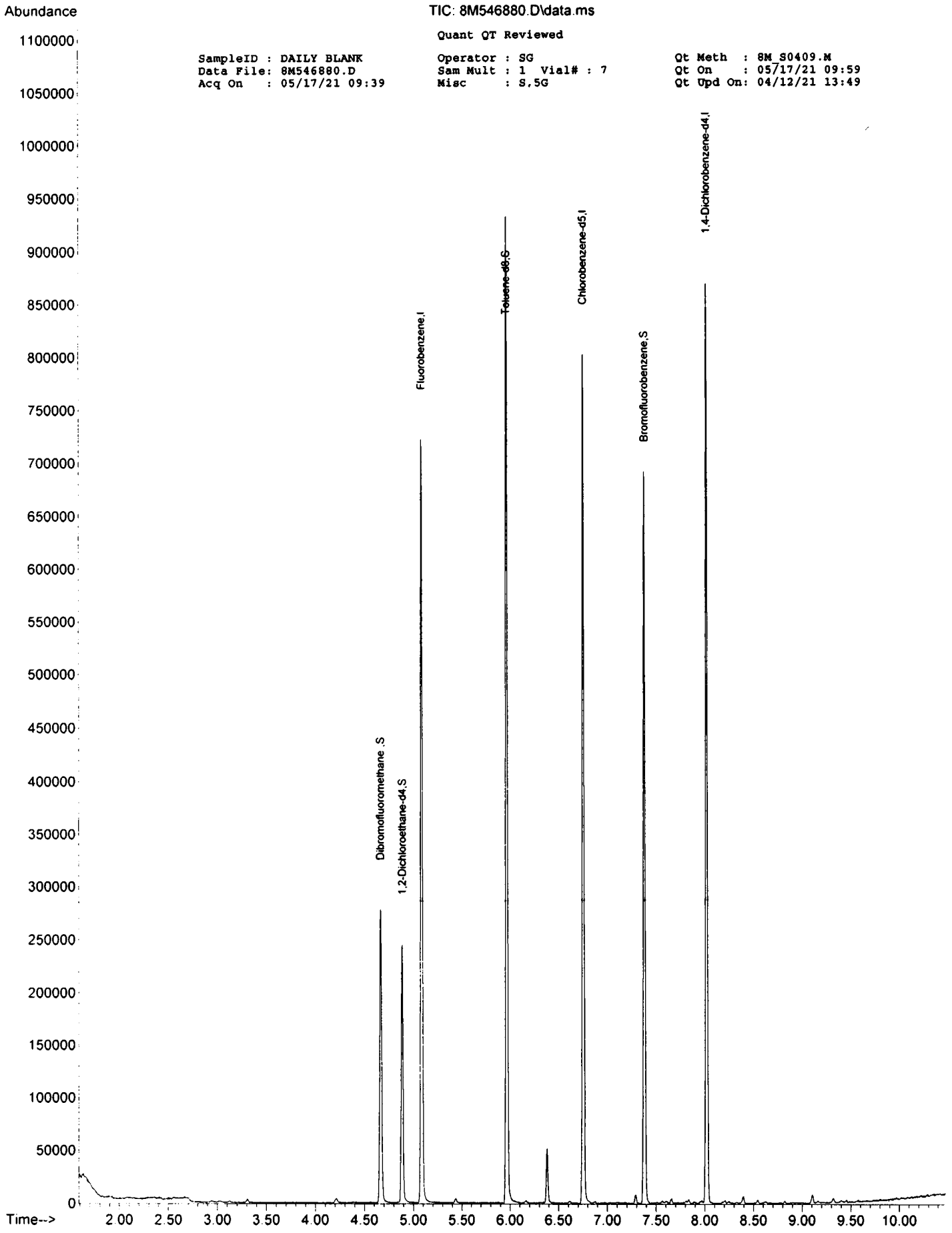
Operator : SG
Sam Mult : 1 Vial# : 7
Misc : S,5G

Qt Meth : 8M_S0409.M
Qt On : 05/17/21 09:59
Qt Upd On: 04/12/21 13:49

Data Path : G:\GcMsData\2021\GCMS_8\Data\05-17-21\
Qt Path : G:\GcMsData\2021\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.082	96	426360	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.754	117	331521	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.018	152	178899	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.664	111	115046	29.80	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.33%			
39) 1,2-Dichloroethane-d4	4.886	67	58431	31.78	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.93%			
66) Toluene-d8	5.963	98	420476	30.26	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.87%			
76) Bromofluorobenzene	7.381	174	141114	30.75	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.50%			
Target Compounds						Qvalue

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


Abundance
TIC: 8M546880.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 8M546880.D
Acq On : 05/17/21 09:39
Operator : SG
Sam Mult : 1 Vial# : 7
Misc : S,5G
Qt Meth : 8M_S0409.M
Qt On : 05/17/21 09:59
Qt Upd On: 04/12/21 13:49
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

FORM2

Surrogate Recovery

Method: EPA 8260D

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
11M91238.D	DAILY BLANK	M	05/17/21 10:00	1		97	110	101	103		
11M91507.D	DAILY BLANK	M	05/21/21 11:05	1		98	106	97	104		
8M546835.D	DAILY BLANK	S	05/14/21 21:35	1		97	105	102	103		
8M546880.D	DAILY BLANK	S	05/17/21 09:39	1		99	106	101	102		
11M91512.D	AD23360-001	M	05/21/21 12:53	1		94	105	120	89		
8M546892.D	AD23360-002	S	05/17/21 13:27	1		99	105	102	103		
8M546893.D	AD23360-003	S	05/17/21 13:46	1		103	113	100	104		
11M91259.D	AD23360-004	M	05/17/21 17:32	1		99	116	99	102		
11M91260.D	AD23360-005	M	05/17/21 17:53	1		98	110	100	97		
8M546895.D	AD23360-006	S	05/17/21 14:24	1		101	108	98	102		
8M546894.D	AD23360-007	S	05/17/21 14:05	1		102	112	100	106		
8M546902.D	AD23360-008	S	05/17/21 16:37	1		100	110	101	105		
8M546903.D	AD23360-009	S	05/17/21 16:56	1		103	111	101	103		
8M546850.D	AD23360-010	S	05/15/21 02:20	1		99	113	101	103		
8M546851.D	AD23360-011	S	05/15/21 02:39	1		101	114	97	102		
11M91255.D	AD23360-012	M	05/17/21 16:06	1		96	113	99	98		
8M546906.D	AD23360-013	S	05/17/21 17:53	1		103	116	97	102		
8M546904.D	AD23360-014	S	05/17/21 17:15	1		101	110	101	104		
11M91262.D	AD23360-015	M	05/17/21 18:36	1		95	110	98	100		
11M91244.D	MBS92597	M	05/17/21 12:09	1		101	102	99	99		
11M91248.D	AD23406-005	M	05/17/21 13:35	1		98	112	98	103		
11M91256.D	AD23406-005(MS)	M	05/17/21 16:27	1		96	106	99	97		
11M91257.D	AD23406-005(MSD)	M	05/17/21 16:49	1		100	113	99	99		
11M91511.D	AD23438-009	M	05/21/21 12:31	1		96	106	96	99		
11M91519.D	MBS93449	M	05/21/21 15:28	1		95	106	98	99		
11M91527.D	AD23438-009(MS)	M	05/21/21 18:20	1		100	109	96	108		
11M91528.D	AD23438-009(MSD)	M	05/21/21 18:41	1		98	107	97	102		
8M546837.D	MBS92593	S	05/14/21 22:13	1		99	105	101	103		
8M546838.D	AD23353-009(MS)	S	05/14/21 22:32	1		99	110	101	102		
8M546839.D	AD23353-009(MSD)	S	05/14/21 22:51	1		99	109	101	102		
8M546842.D	AD23353-009	S	05/14/21 23:48	1		99	109	101	103		
8M546881.D	AD23327-003	S	05/17/21 09:58	1		102	112	101	104		
8M546883.D	MBS92595	S	05/17/21 10:36	1		100	106	103	102		
8M546886.D	AD23327-003(MS)	S	05/17/21 11:33	1		101	108	102	106		
8M546889.D	AD23327-003(MSD)	S	05/17/21 12:30	1		101	114	103	108		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8260D

Soil Laboratory Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	63-140
S2=1,2-Dichloroethane-d4	30	63-143
S3=Toluene-d8	30	68-122
S4=Bromofluorobenzene	30	64-129

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92593

Data File: Spike or Dup: 8M546837.D
Sample ID: MBS92593
Analysis Date: 5/14/2021 10:13:00 PM
Non Spike(If applicable):
Inst Blank(If applicable):

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	46.1611	0	50	92	20	130
Dichlorodifluoromethane	**1**	**82.0851**	**0**	**50**	**164***	**20**	**130**
Chloromethane	**1**	**54.5742**	**0**	**50**	**109**	**20**	**130**
Bromomethane	**1**	**47.3614**	**0**	**50**	**95**	**20**	**130**
Vinyl Chloride	**1**	**56.023**	**0**	**50**	**112**	**20**	**130**
Chloroethane	**1**	**50.094**	**0**	**50**	**100**	**20**	**130**
Trichlorofluoromethane	**1**	**43.8421**	**0**	**50**	**88**	**20**	**130**
Ethyl ether	1	54.7566	0	50	110	50	130
Furan	1	46.3307	0	50	93	50	130
1,1,2-Trichloro-1,2,2-trifluoroethane	**1**	**43.2601**	**0**	**50**	**87**	**50**	**130**
Methylene Chloride	**1**	**45.2611**	**0**	**50**	**91**	**50**	**130**
Acrolein	1	208.6544	0	200	104	20	130
Acrylonitrile	1	46.7195	0	50	93	20	130
Iodomethane	1	33.793	0	50	68	50	130
Acetone	**1**	**226.373**	**0**	**200**	**113**	**20**	**130**
Carbon Disulfide	**1**	**43.3558**	**0**	**50**	**87**	**50**	**130**
t-Butyl Alcohol	1	247.2475	0	200	124	20	130
n-Hexane	1	51.9037	0	50	104	50	130
Di-isopropyl-ether	1	48.4016	0	50	97	50	130
1,1-Dichloroethene	**1**	**46.2677**	**0**	**50**	**93**	**50**	**130**
Methyl Acetate	**1**	**46.0609**	**0**	**50**	**92**	**50**	**130**
Methyl-t-butyl ether	**1**	**49.8065**	**0**	**50**	**100**	**50**	**130**
1,1-Dichloroethane	**1**	**48.3099**	**0**	**50**	**97**	**50**	**130**
trans-1,2-Dichloroethene	**1**	**44.4944**	**0**	**50**	**89**	**50**	**130**
Ethyl-t-butyl ether	1	54.0326	0	50	108	50	130
cis-1,2-Dichloroethene	**1**	**48.4153**	**0**	**50**	**97**	**50**	**130**
Bromochloromethane	**1**	**48.3131**	**0**	**50**	**97**	**50**	**130**
2,2-Dichloropropane	1	48.1007	0	50	96	50	130
Ethyl acetate	1	42.0524	0	50	84	50	130
1,4-Dioxane	**1**	**2045.491**	**0**	**2500**	**82**	**50**	**130**
1,1-Dichloropropene	1	46.0346	0	50	92	50	130
Chloroform	**1**	**46.2502**	**0**	**50**	**93**	**50**	**130**
Cyclohexane	**1**	**48.7252**	**0**	**50**	**97**	**50**	**130**
1,2-Dichloroethane	**1**	**48.9972**	**0**	**50**	**98**	**50**	**130**
2-Butanone	**1**	**47.2159**	**0**	**50**	**94**	**20**	**130**
1,1,1-Trichloroethane	**1**	**45.7392**	**0**	**50**	**91**	**50**	**130**
Carbon Tetrachloride	**1**	**43.6776**	**0**	**50**	**87**	**50**	**130**
Vinyl Acetate	1	46.4511	0	50	93	50	130
Bromodichloromethane	**1**	**47.2576**	**0**	**50**	**95**	**50**	**130**
Methylcyclohexane	**1**	**46.8699**	**0**	**50**	**94**	**50**	**130**
Dibromomethane	1	41.4849	0	50	83	50	130
1,2-Dichloropropane	**1**	**48.6289**	**0**	**50**	**97**	**50**	**130**
Trichloroethene	**1**	**42.2749**	**0**	**50**	**85**	**50**	**130**
Benzene	**1**	**45.714**	**0**	**50**	**91**	**50**	**130**
tert-Amyl methyl ether	1	48.7442	0	50	97	50	130
Iso-propylacetate	1	49.9579	0	50	100	50	130
Methyl methacrylate	1	50.4986	0	50	101	50	130
Dibromochloromethane	**1**	**45.7643**	**0**	**50**	**92**	**50**	**130**
2-Chloroethylvinylether	1	15.5473	0	50	31*	50	130
cis-1,3-Dichloropropene	**1**	**51.1895**	**0**	**50**	**102**	**50**	**130**
trans-1,3-Dichloropropene	**1**	**51.0282**	**0**	**50**	**102**	**50**	**130**
Ethyl methacrylate	1	51.6209	0	50	103	50	130
1,1,2-Trichloroethane	**1**	**47.7434**	**0**	**50**	**95**	**50**	**130**
1,2-Dibromoethane	**1**	**45.0367**	**0**	**50**	**90**	**50**	**130**
1,3-Dichloropropane	1	49.0839	0	50	98	50	130
4-Methyl-2-Pentanone	**1**	**49.7527**	**0**	**50**	**100**	**20**	**130**
2-Hexanone	**1**	**49.3587**	**0**	**50**	**99**	**20**	**130**
Tetrachloroethene	**1**	**41.3975**	**0**	**50**	**83**	**50**	**130**
Toluene	**1**	**46.7814**	**0**	**50**	**94**	**50**	**130**
1,1,1,2-Tetrachloroethane	1	44.3875	0	50	89	50	130
Chlorobenzene	**1**	**45.2092**	**0**	**50**	**90**	**50**	**130**

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92593

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	62.1842	0	50	124	50	130
n-Amyl acetate	1	55.0793	0	50	110	50	130
Bromoform	1	48.679	0	50	97	20	130
Ethylbenzene	1	50.9485	0	50	102	50	130
1,1,2,2-Tetrachloroethane	1	52.2719	0	50	105	50	130
Styrene	1	51.8517	0	50	104	50	130
m&p-Xylenes	1	97.0037	0	100	97	50	130
o-Xylene	1	49.6462	0	50	99	50	130
trans-1,4-Dichloro-2-butene	1	52.4303	0	50	105	20	130
1,3-Dichlorobenzene	1	45.9604	0	50	92	50	130
1,4-Dichlorobenzene	1	46.9005	0	50	94	50	130
1,2-Dichlorobenzene	1	47.3351	0	50	95	50	130
Isopropylbenzene	1	50.4803	0	50	101	50	130
Cyclohexanone	1	352.8983	0	250	141 *	50	130
Camphene	1	51.7165	0	50	103	50	130
1,2,3-Trichloropropane	1	52.5687	0	50	105	50	130
2-Chlorotoluene	1	51.7011	0	50	103	50	130
p-Ethyltoluene	1	50.8412	0	50	102	50	130
4-Chlorotoluene	1	51.2905	0	50	103	50	130
n-Propylbenzene	1	51.1341	0	50	102	50	130
Bromobenzene	1	53.5308	0	50	107	50	130
1,3,5-Trimethylbenzene	1	50.504	0	50	101	50	130
Butyl methacrylate	1	54.3711	0	50	109	50	130
t-Butylbenzene	1	48.806	0	50	98	50	130
1,2,4-Trimethylbenzene	1	49.9214	0	50	100	50	130
sec-Butylbenzene	1	50.2703	0	50	101	50	130
4-Isopropyltoluene	1	49.1526	0	50	98	50	130
n-Butylbenzene	1	51.8808	0	50	104	50	130
p-Diethylbenzene	1	51.0818	0	50	102	50	130
1,2,4,5-Tetramethylbenzene	1	54.0325	0	50	108	50	130
1,2-Dibromo-3-Chloropropane	1	47.7405	0	50	95	50	130
Camphor	1	490.8307	0	500	98	50	130
Hexachlorobutadiene	1	45.8647	0	50	92	50	130
1,2,4-Trichlorobenzene	1	48.7419	0	50	97	50	130
1,2,3-Trichlorobenzene	1	48.9356	0	50	98	50	130
Naphthalene	1	52.2291	0	50	104	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch:MBS92595

	Data File	Sample ID:	Analysis Date
Spike or Dup:	8M546883.D	MBS92595	5/17/2021 10:36:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	30.5177	0	50	61	20	130
Dichlorodifluoromethane	1	113.6925	0	50	227*	20	130
Chloromethane	1	64.2648	0	50	129	20	130
Bromomethane	1	59.598	0	50	119	20	130
Vinyl Chloride	1	67.3246	0	50	135*	20	130
Chloroethane	1	58.6285	0	50	117	20	130
Trichlorofluoromethane	1	51.6839	0	50	103	20	130
Ethyl ether	1	44.6714	0	50	89	50	130
Furan	1	33.4731	0	50	67	50	130
1,1,2-Trichloro-1,2,2-trifluoroethane	1	47.8013	0	50	96	50	130
Methylene Chloride	1	53.2174	0	50	106	50	130
Acrolein	1	191.2775	0	200	96	20	130
Acrylonitrile	1	49.9381	0	50	100	20	130
Iodomethane	1	25.5818	0	50	51	50	130
Acetone	1	234.8148	0	200	117	20	130
Carbon Disulfide	1	49.6379	0	50	99	50	130
t-Butyl Alcohol	1	280.8326	0	200	140*	20	130
n-Hexane	1	52.8356	0	50	106	50	130
Di-isopropyl-ether	1	49.2537	0	50	99	50	130
1,1-Dichloroethene	1	56.1885	0	50	112	50	130
Methyl Acetate	1	53.3706	0	50	107	50	130
Methyl-t-butyl ether	1	52.2562	0	50	105	50	130
1,1-Dichloroethane	1	56.1278	0	50	112	50	130
trans-1,2-Dichloroethene	1	52.8313	0	50	106	50	130
Ethyl-t-butyl ether	1	53.7003	0	50	107	50	130
cis-1,2-Dichloroethene	1	56.1525	0	50	112	50	130
Bromochloromethane	1	54.482	0	50	109	50	130
2,2-Dichloropropane	1	57.0043	0	50	114	50	130
Ethyl acetate	1	47.2146	0	50	94	50	130
1,4-Dioxane	1	2345.357	0	2500	94	50	130
1,1-Dichloropropene	1	52.4829	0	50	105	50	130
Chloroform	1	54.5213	0	50	109	50	130
Cyclohexane	1	50.9859	0	50	102	50	130
1,2-Dichloroethane	1	56.5613	0	50	113	50	130
2-Butanone	1	48.1061	0	50	96	20	130
1,1,1-Trichloroethane	1	53.7632	0	50	108	50	130
Carbon Tetrachloride	1	51.678	0	50	103	50	130
Vinyl Acetate	1	45.7202	0	50	91	50	130
Bromodichloromethane	1	56.6444	0	50	113	50	130
Methylcyclohexane	1	48.9163	0	50	98	50	130
Dibromomethane	1	50.937	0	50	102	50	130
1,2-Dichloropropane	1	55.7272	0	50	111	50	130
Trichloroethene	1	49.9023	0	50	100	50	130
Benzene	1	52.8366	0	50	106	50	130
tert-Amyl methyl ether	1	54.0217	0	50	108	50	130
Iso-propylacetate	1	54.1801	0	50	108	50	130
Methyl methacrylate	1	55.467	0	50	111	50	130
Dibromochloromethane	1	56.6917	0	50	113	50	130
2-Chloroethylvinylether	1	107.4024	0	50	215*	50	130
cis-1,3-Dichloropropene	1	59.2389	0	50	118	50	130
trans-1,3-Dichloropropene	1	61.2308	0	50	122	50	130
Ethyl methacrylate	1	55.8119	0	50	112	50	130
1,1,2-Trichloroethane	1	56.8554	0	50	114	50	130
1,2-Dibromoethane	1	55.2192	0	50	110	50	130
1,3-Dichloropropane	1	58.148	0	50	116	50	130
4-Methyl-2-Pentanone	1	54.6851	0	50	109	20	130
2-Hexanone	1	53.764	0	50	108	20	130
Tetrachloroethene	1	48.9703	0	50	98	50	130
Toluene	1	53.7491	0	50	107	50	130
1,1,1,2-Tetrachloroethane	1	53.0464	0	50	106	50	130
Chlorobenzene	1	52.1903	0	50	104	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92595

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	64.094	0	50	128	50	130
n-Amyl acetate	1	57.1176	0	50	114	50	130
Bromoform	**1**	**59.2888**	**0**	**50**	**119**	**20**	**130**
Ethylbenzene	**1**	**55.8319**	**0**	**50**	**112**	**50**	**130**
1,1,2,2-Tetrachloroethane	**1**	**59.6078**	**0**	**50**	**119**	**50**	**130**
Styrene	**1**	**57.4233**	**0**	**50**	**115**	**50**	**130**
m&p-Xylenes	**1**	**109.5098**	**0**	**100**	**110**	**50**	**130**
o-Xylene	**1**	**56.4727**	**0**	**50**	**113**	**50**	**130**
trans-1,4-Dichloro-2-butene	1	54.5639	0	50	109	20	130
1,3-Dichlorobenzene	**1**	**51.3661**	**0**	**50**	**103**	**50**	**130**
1,4-Dichlorobenzene	**1**	**52.378**	**0**	**50**	**105**	**50**	**130**
1,2-Dichlorobenzene	**1**	**52.5753**	**0**	**50**	**105**	**50**	**130**
Isopropylbenzene	**1**	**56.3748**	**0**	**50**	**113**	**50**	**130**
Cyclohexanone	1	332.2275	0	250	133*	50	130
Camphene	1	52.6576	0	50	105	50	130
1,2,3-Trichloropropane	1	60.1163	0	50	120	50	130
2-Chlorotoluene	1	56.2953	0	50	113	50	130
p-Ethyltoluene	1	50.4472	0	50	101	50	130
4-Chlorotoluene	1	56.5536	0	50	113	50	130
n-Propylbenzene	1	56.1229	0	50	112	50	130
Bromobenzene	1	58.2455	0	50	116	50	130
1,3,5-Trimethylbenzene	1	57.3506	0	50	115	50	130
Butyl methacrylate	1	55.5066	0	50	111	50	130
t-Butylbenzene	1	53.4262	0	50	107	50	130
1,2,4-Trimethylbenzene	1	55.0434	0	50	110	50	130
sec-Butylbenzene	1	54.0389	0	50	108	50	130
4-Isopropyltoluene	1	52.1258	0	50	104	50	130
n-Butylbenzene	1	55.072	0	50	110	50	130
p-Diethylbenzene	1	51.0359	0	50	102	50	130
1,2,4,5-Tetramethylbenzene	1	51.8182	0	50	104	50	130
1,2-Dibromo-3-Chloropropane	**1**	**57.2246**	**0**	**50**	**114**	**50**	**130**
Camphor	1	550.101	0	500	110	50	130
Hexachlorobutadiene	1	51.3775	0	50	103	50	130
1,2,4-Trichlorobenzene	**1**	**53.2223**	**0**	**50**	**106**	**50**	**130**
1,2,3-Trichlorobenzene	**1**	**54.344**	**0**	**50**	**109**	**50**	**130**
Naphthalene	1	57.7434	0	50	115	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92597

Data File | Sample ID: | Analysis Date

Spike or Dup: 11M91244.D | MBS92597 | 5/17/2021 12:09:00 PM

Non Spike(If applicable):

Inst Blank(If applicable):

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	15.4602	0	20	77	50	150
Dichlorodifluoromethane	1	55.4073	0	20	277*	50	150
Chloromethane	1	32.2744	0	20	161*	50	150
Bromomethane	1	33.6	0	20	168*	50	150
Vinyl Chloride	1	29.4687	0	20	147	50	150
Chloroethane	1	42.2207	0	20	211*	50	150
Trichlorofluoromethane	1	27.3709	0	20	137	50	150
Ethyl ether	1	20.8723	0	20	104	50	150
Furan	1	15.8666	0	20	79	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	26.2717	0	20	131	50	150
Methylene Chloride	1	26.4253	0	20	132*	70	130
Acrolein	1	133.2993	0	100	133	50	150
Acrylonitrile	1	32.3789	0	20	162*	50	150
Iodomethane	1	18.3706	0	20	92	50	150
Acetone	1	152.7132	0	100	153*	50	150
Carbon Disulfide	1	23.2299	0	20	116	50	150
t-Butyl Alcohol	1	87.4974	0	100	87	50	150
n-Hexane	1	28.9431	0	20	145*	70	130
Di-isopropyl-ether	1	28.0807	0	20	140*	70	130
1,1-Dichloroethene	1	26.7788	0	20	134*	70	130
Methyl Acetate	1	37.8329	0	20	189*	50	150
Methyl-t-butyl ether	1	29.9986	0	20	150*	70	130
1,1-Dichloroethane	1	24.3425	0	20	122	70	130
trans-1,2-Dichloroethene	1	24.1894	0	20	121	70	130
Ethyl-t-butyl ether	1	23.5766	0	20	118	70	130
cis-1,2-Dichloroethene	1	24.484	0	20	122	70	130
Bromochloromethane	1	24.8796	0	20	124	70	130
2,2-Dichloropropane	1	23.7348	0	20	119	70	130
Ethyl acetate	1	23.2976	0	20	116	50	150
1,4-Dioxane	1	1088.464	0	1000	109	50	150
1,1-Dichloropropene	1	24.5356	0	20	123	70	130
Chloroform	1	24.1993	0	20	121	70	130
Cyclohexane	1	25.7293	0	20	129	70	130
1,2-Dichloroethane	1	23.3603	0	20	117	70	130
2-Butanone	1	24.3853	0	20	122	50	150
1,1,1-Trichloroethane	1	22.7915	0	20	114	70	130
Carbon Tetrachloride	1	21.0722	0	20	105	50	150
Vinyl Acetate	1	20.7754	0	20	104	50	150
Bromodichloromethane	1	24.0592	0	20	120	70	130
Methylcyclohexane	1	24.0638	0	20	120	70	130
Dibromomethane	1	24.083	0	20	120	70	130
1,2-Dichloropropane	1	25.8167	0	20	129	70	130
Trichloroethene	1	23.0107	0	20	115	70	130
Benzene	1	23.609	0	20	118	70	130
tert-Amyl methyl ether	1	23.1933	0	20	116	70	130
Iso-propylacetate	1	22.9097	0	20	115	70	130
Methyl methacrylate	1	24.4277	0	20	122	70	130
Dibromochloromethane	1	24.6809	0	20	123	70	130
2-Chloroethylvinylether	1	36.4919	0	20	182*	70	130
cis-1,3-Dichloropropene	1	26.8591	0	20	134*	70	130
trans-1,3-Dichloropropene	1	27.3605	0	20	137*	70	130
Ethyl methacrylate	1	24.2307	0	20	121	70	130
1,1,2-Trichloroethane	1	26.5862	0	20	133*	70	130
1,2-Dibromoethane	1	26.0272	0	20	130	70	130
1,3-Dichloropropane	1	25.9836	0	20	130	70	130
4-Methyl-2-Pentanone	1	23.6555	0	20	118	50	150
2-Hexanone	1	21.2863	0	20	106	50	150
Tetrachloroethene	1	22.362	0	20	112	50	150
Toluene	1	25.2518	0	20	126	70	130
1,1,1,2-Tetrachloroethane	1	22.9046	0	20	115	70	130
Chlorobenzene	1	24.7853	0	20	124	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92597

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	21.8606	0	20	109	70	130
n-Amyl acetate	1	18.6883	0	20	93	70	130
Bromoform	1	24.0272	0	20	120	70	130
Ethylbenzene	1	22.7881	0	20	114	70	130
1,1,2,2-Tetrachloroethane	1	27.0069	0	20	135*	70	130
Styrene	1	23.3983	0	20	117	70	130
m&p-Xylenes	1	49.8764	0	40	125	70	130
o-Xylene	1	22.6063	0	20	113	70	130
trans-1,4-Dichloro-2-butene	1	21.8471	0	20	109	50	150
1,3-Dichlorobenzene	1	23.7104	0	20	119	70	130
1,4-Dichlorobenzene	1	24.1114	0	20	121	70	130
1,2-Dichlorobenzene	1	24.9493	0	20	125	70	130
Isopropylbenzene	1	23.4493	0	20	117	70	130
Cyclohexanone	1	102.1429	0	100	102	50	150
Camphene	1	22.0834	0	20	110	70	130
1,2,3-Trichloropropane	1	23.398	0	20	117	70	130
2-Chlorotoluene	1	23.3685	0	20	117	70	130
p-Ethyltoluene	1	22.3749	0	20	112	70	130
4-Chlorotoluene	1	23.5403	0	20	118	70	130
n-Propylbenzene	1	24.3507	0	20	122	70	130
Bromobenzene	1	24.0954	0	20	120	70	130
1,3,5-Trimethylbenzene	1	20.2084	0	20	101	70	130
Butyl methacrylate	1	22.6432	0	20	113	70	130
t-Butylbenzene	1	23.7516	0	20	119	70	130
1,2,4-Trimethylbenzene	1	25.5506	0	20	128	70	130
sec-Butylbenzene	1	24.2313	0	20	121	70	130
4-Isopropyltoluene	1	24.0206	0	20	120	70	130
n-Butylbenzene	1	24.2673	0	20	121	70	130
p-Diethylbenzene	1	22.9176	0	20	115	70	130
1,2,4,5-Tetramethylbenzene	1	24.2146	0	20	121	70	130
1,2-Dibromo-3-Chloropropane	1	25.5753	0	20	128	50	150
Camphor	1	204.046	0	200	102	20	150
Hexachlorobutadiene	1	27.4502	0	20	137	50	150
1,2,4-Trichlorobenzene	1	28.537	0	20	143*	70	130
1,2,3-Trichlorobenzene	1	35.4616	0	20	177*	70	130
Naphthalene	1	37.1047	0	20	186*	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93449

Data File: Spike or Dup: 11M91519.D
Sample ID: MBS93449
Analysis Date: 5/21/2021 3:28:00 PM
Non Spike(If applicable):
Inst Blank(If applicable):

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	19.0391	0	20	95	50	150
Dichlorodifluoromethane	1	8.0304	0	20	40*	50	150
Chloromethane	1	11.5563	0	20	58	50	150
Bromomethane	1	19.7857	0	20	99	50	150
Vinyl Chloride	1	12.0281	0	20	60	50	150
Chloroethane	1	21.5077	0	20	108	50	150
Trichlorofluoromethane	1	15.7827	0	20	79	50	150
Ethyl ether	1	20.9875	0	20	105	50	150
Furan	1	19.5887	0	20	98	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	17.8814	0	20	89	50	150
Methylene Chloride	1	18.8735	0	20	94	70	130
Acrolein	1	110.1954	0	100	110	50	150
Acrylonitrile	1	27.6031	0	20	138	50	150
Iodomethane	1	14.5982	0	20	73	50	150
Acetone	1	142.3011	0	100	142	50	150
Carbon Disulfide	1	14.0502	0	20	70	50	150
t-Butyl Alcohol	1	72.7773	0	100	73	50	150
n-Hexane	1	19.2765	0	20	96	70	130
Di-isopropyl-ether	1	23.2191	0	20	116	70	130
1,1-Dichloroethene	1	16.245	0	20	81	70	130
Methyl Acetate	1	27.3052	0	20	137	50	150
Methyl-t-butyl ether	1	24.2052	0	20	121	70	130
1,1-Dichloroethane	1	17.8129	0	20	89	70	130
trans-1,2-Dichloroethene	1	17.6732	0	20	88	70	130
Ethyl-t-butyl ether	1	19.7645	0	20	99	70	130
cis-1,2-Dichloroethene	1	17.5776	0	20	88	70	130
Bromochloromethane	1	19.1035	0	20	96	70	130
2,2-Dichloropropane	1	18.6176	0	20	93	70	130
Ethyl acetate	1	20.6952	0	20	103	50	150
1,4-Dioxane	1	843.5797	0	1000	84	50	150
1,1-Dichloropropene	1	16.9768	0	20	85	70	130
Chloroform	1	18.102	0	20	91	70	130
Cyclohexane	1	18.2108	0	20	91	70	130
1,2-Dichloroethane	1	16.9849	0	20	85	70	130
2-Butanone	1	16.9036	0	20	85	50	150
1,1,1-Trichloroethane	1	16.9178	0	20	85	70	130
Carbon Tetrachloride	1	15.0386	0	20	75	50	150
Vinyl Acetate	1	19.1473	0	20	96	50	150
Bromodichloromethane	1	18.2649	0	20	91	70	130
Methylcyclohexane	1	17.9832	0	20	90	70	130
Dibromomethane	1	17.6239	0	20	88	70	130
1,2-Dichloropropane	1	18.7417	0	20	94	70	130
Trichloroethene	1	16.9279	0	20	85	70	130
Benzene	1	17.5773	0	20	88	70	130
tert-Amyl methyl ether	1	19.5582	0	20	98	70	130
Iso-propylacetate	1	18.3024	0	20	92	70	130
Methyl methacrylate	1	19.073	0	20	95	70	130
Dibromochloromethane	1	17.2357	0	20	86	70	130
2-Chloroethylvinylether	1	5.6423	0	20	28*	70	130
cis-1,3-Dichloropropene	1	19.593	0	20	98	70	130
trans-1,3-Dichloropropene	1	19.2076	0	20	96	70	130
Ethyl methacrylate	1	18.8679	0	20	94	70	130
1,1,2-Trichloroethane	1	19.6978	0	20	98	70	130
1,2-Dibromoethane	1	19.4862	0	20	97	70	130
1,3-Dichloropropane	1	18.4991	0	20	92	70	130
4-Methyl-2-Pentanone	1	18.9725	0	20	95	50	150
2-Hexanone	1	19.8761	0	20	99	50	150
Tetrachloroethene	1	16.0339	0	20	80	50	150
Toluene	1	18.4648	0	20	92	70	130
1,1,1,2-Tetrachloroethane	1	17.0222	0	20	85	70	130
Chlorobenzene	1	18.4442	0	20	92	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93449

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	18.2327	0	20	91	70	130
n-Amyl acetate	1	15.1558	0	20	76	70	130
Bromoform	**1**	**15.8025**	**0**	**20**	**79**	**70**	**130**
Ethylbenzene	**1**	**16.1073**	**0**	**20**	**81**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**19.4088**	**0**	**20**	**97**	**70**	**130**
Styrene	**1**	**16.5843**	**0**	**20**	**83**	**70**	**130**
m&p-Xylenes	**1**	**36.8878**	**0**	**40**	**92**	**70**	**130**
o-Xylene	**1**	**16.4803**	**0**	**20**	**82**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	18.2145	0	20	91	50	150
1,3-Dichlorobenzene	**1**	**16.794**	**0**	**20**	**84**	**70**	**130**
1,4-Dichlorobenzene	**1**	**17.4417**	**0**	**20**	**87**	**70**	**130**
1,2-Dichlorobenzene	**1**	**17.8785**	**0**	**20**	**89**	**70**	**130**
Isopropylbenzene	**1**	**17.1016**	**0**	**20**	**86**	**70**	**130**
Cyclohexanone	1	134.4186	0	100	134	50	150
Camphene	1	15.9756	0	20	80	70	130
1,2,3-Trichloropropane	1	18.3114	0	20	92	70	130
2-Chlorotoluene	1	15.8186	0	20	79	70	130
p-Ethyltoluene	1	16.8139	0	20	84	70	130
4-Chlorotoluene	1	17.6584	0	20	88	70	130
n-Propylbenzene	1	17.3544	0	20	87	70	130
Bromobenzene	1	17.8344	0	20	89	70	130
1,3,5-Trimethylbenzene	1	14.3511	0	20	72	70	130
Butyl methacrylate	1	17.8989	0	20	89	70	130
t-Butylbenzene	1	16.7318	0	20	84	70	130
1,2,4-Trimethylbenzene	1	16.6849	0	20	83	70	130
sec-Butylbenzene	1	17.2138	0	20	86	70	130
4-Isopropyltoluene	1	17.791	0	20	89	70	130
n-Butylbenzene	1	17.6293	0	20	88	70	130
p-Diethylbenzene	1	17.7561	0	20	89	70	130
1,2,4,5-Tetramethylbenzene	1	19.4735	0	20	97	70	130
1,2-Dibromo-3-Chloropropane	**1**	**18.5664**	**0**	**20**	**93**	**50**	**150**
Camphor	1	171.9039	0	200	86	20	150
Hexachlorobutadiene	1	19.8186	0	20	99	50	150
1,2,4-Trichlorobenzene	**1**	**21.1464**	**0**	**20**	**106**	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**27.0588**	**0**	**20**	**135***	**70**	**130**
Naphthalene	1	26.8546	0	20	134	50	150

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Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92593

	Data File	Sample ID:	Analysis Date
Spike or Dup:	8M546838.D	AD23353-009(MS)	5/14/2021 10:32:00 PM
Non Spike(If applicable):	8M546842.D	AD23353-009	5/14/2021 11:48:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	39.5122	0	50	79	20	130
Dichlorodifluoromethane	1	84.2857	0	50	169*	20	130
Chloromethane	1	54.7562	0	50	110	20	130
Bromomethane	1	48.0678	0	50	96	20	130
Vinyl Chloride	1	57.603	0	50	115	20	130
Chloroethane	1	51.4788	0	50	103	20	130
Trichlorofluoromethane	1	44.6611	0	50	89	20	130
Ethyl ether	1	58.2469	0	50	116	50	130
Furan	1	47.5043	0	50	95	50	130
1,1,2-Trichloro-1,2,2-trifluoroethane	1	44.4187	0	50	89	50	130
Methylene Chloride	1	46.9143	0	50	94	50	130
Acrolein	1	166.4858	0	200	83	20	130
Acrylonitrile	1	46.2772	0	50	93	20	130
Iodomethane	1	37.2901	0	50	75	50	130
Acetone	1	228.2521	0	200	114	20	130
Carbon Disulfide	1	43.3815	0	50	87	50	130
t-Butyl Alcohol	1	242.5381	0	200	121	20	130
n-Hexane	1	50.6544	0	50	101	50	130
Di-isopropyl-ether	1	50.9156	0	50	102	50	130
1,1-Dichloroethene	1	46.6914	0	50	93	50	130
Methyl Acetate	1	80.5249	0	50	161*	50	130
Methyl-t-butyl ether	1	52.8242	0	50	106	50	130
1,1-Dichloroethane	1	49.791	0	50	100	50	130
trans-1,2-Dichloroethene	1	45.4456	0	50	91	50	130
Ethyl-t-butyl ether	1	57.11	0	50	114	50	130
cis-1,2-Dichloroethene	1	48.8123	0	50	98	50	130
Bromochloromethane	1	50.8467	0	50	102	50	130
2,2-Dichloropropane	1	49.0825	0	50	98	50	130
Ethyl acetate	1	33.5489	0	50	67	50	130
1,4-Dioxane	1	2051.054	0	2500	82	50	130
1,1-Dichloropropene	1	45.5662	0	50	91	50	130
Chloroform	1	47.8625	0	50	96	50	130
Cyclohexane	1	49.9768	0	50	100	50	130
1,2-Dichloroethane	1	51.2652	0	50	103	50	130
2-Butanone	1	46.7369	0	50	93	20	130
1,1,1-Trichloroethane	1	46.3526	0	50	93	50	130
Carbon Tetrachloride	1	44.3371	0	50	89	50	130
Vinyl Acetate	1	28.4531	0	50	57	50	130
Bromodichloromethane	1	49.6868	0	50	99	50	130
Methylcyclohexane	1	47.1433	0	50	94	50	130
Dibromomethane	1	44.3046	0	50	89	50	130
1,2-Dichloropropane	1	50.4451	0	50	101	50	130
Trichloroethene	1	43.6277	0	50	87	50	130
Benzene	1	47.5991	0	50	95	50	130
tert-Amyl methyl ether	1	51.6099	0	50	103	50	130
Iso-propylacetate	1	44.7907	0	50	90	50	130
Methyl methacrylate	1	71.8257	0	50	144*	50	130
Dibromochloromethane	1	47.6074	0	50	95	50	130
2-Chloroethylvinylether	1	16.1031	0	50	32*	50	130
cis-1,3-Dichloropropene	1	52.0627	0	50	104	50	130
trans-1,3-Dichloropropene	1	53.46	0	50	107	50	130
Ethyl methacrylate	1	41.6197	0	50	83	50	130
1,1,2-Trichloroethane	1	50.2833	0	50	101	50	130
1,2-Dibromoethane	1	47.3211	0	50	95	50	130
1,3-Dichloropropane	1	51.3971	0	50	103	50	130
4-Methyl-2-Pentanone	1	51.6118	0	50	103	20	130
2-Hexanone	1	51.7037	0	50	103	20	130
Tetrachloroethene	1	42.5191	0	50	85	50	130
Toluene	1	46.8982	0	50	94	50	130
1,1,1,2-Tetrachloroethane	1	45.837	0	50	92	50	130
Chlorobenzene	1	45.9465	0	50	92	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92593

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	38.0049	0	50	76	50	130
n-Amyl acetate	1	26.9972	0	50	54	50	130
Bromoform	1	51.039	0	50	102	20	130
Ethylbenzene	1	50.9922	0	50	102	50	130
1,1,2,2-Tetrachloroethane	1	53.8893	0	50	108	50	130
Styrene	1	52.2987	0	50	105	50	130
m&p-Xylenes	1	98.9218	0	100	99	50	130
o-Xylene	1	50.4617	0	50	101	50	130
trans-1,4-Dichloro-2-butene	1	52.8493	0	50	106	20	130
1,3-Dichlorobenzene	1	46.2165	0	50	92	50	130
1,4-Dichlorobenzene	1	47.3926	0	50	95	50	130
1,2-Dichlorobenzene	1	47.7623	0	50	96	50	130
Isopropylbenzene	1	51.0557	0	50	102	50	130
Cyclohexanone	1	349.185	0	250	140*	50	130
Camphene	1	51.0937	0	50	102	50	130
1,2,3-Trichloropropane	1	54.0362	0	50	108	50	130
2-Chlorotoluene	1	52.861	0	50	106	50	130
p-Ethyltoluene	1	51.3485	0	50	103	50	130
4-Chlorotoluene	1	51.6143	0	50	103	50	130
n-Propylbenzene	1	51.1287	0	50	102	50	130
Bromobenzene	1	54.2392	0	50	108	50	130
1,3,5-Trimethylbenzene	1	50.535	0	50	101	50	130
Butyl methacrylate	1	38.6552	0	50	77	50	130
t-Butylbenzene	1	48.8402	0	50	98	50	130
1,2,4-Trimethylbenzene	1	50.3124	0	50	101	50	130
sec-Butylbenzene	1	49.6731	0	50	99	50	130
4-Isopropyltoluene	1	48.8736	0	50	98	50	130
n-Butylbenzene	1	50.8367	0	50	102	50	130
p-Diethylbenzene	1	50.3104	0	50	101	50	130
1,2,4,5-Tetramethylbenzene	1	53.5327	0	50	107	50	130
1,2-Dibromo-3-Chloropropane	1	47.6324	0	50	95	50	130
Camphor	1	518.7613	0	500	104	50	130
Hexachlorobutadiene	1	41.0413	0	50	82	50	130
1,2,4-Trichlorobenzene	1	46.8781	0	50	94	50	130
1,2,3-Trichlorobenzene	1	46.3275	0	50	93	50	130
Naphthalene	1	51.8648	0	50	104	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92593

	Data File	Sample ID:	Analysis Date
Spike or Dup:	8M546839.D	AD23353-009(MSD)	5/14/2021 10:51:00 PM
Non Spike(If applicable):	8M546842.D	AD23353-009	5/14/2021 11:48:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	43.7512	0	50	88	20	130
Dichlorodifluoromethane	1	81.645	0	50	163*	20	130
Chloromethane	1	53.8619	0	50	108	20	130
Bromomethane	1	46.2591	0	50	93	20	130
Vinyl Chloride	1	55.5551	0	50	111	20	130
Chloroethane	1	50.1101	0	50	100	20	130
Trichlorofluoromethane	1	42.9532	0	50	86	20	130
Ethyl ether	1	57.2043	0	50	114	50	130
Furan	1	45.577	0	50	91	50	130
1,1,2-Trichloro-1,2,2-trifluoroethane	1	43.2892	0	50	87	50	130
Methylene Chloride	1	45.6876	0	50	91	50	130
Acrolein	1	146.7599	0	200	73	20	130
Acrylonitrile	1	44.5466	0	50	89	20	130
Iodomethane	1	36.5498	0	50	73	50	130
Acetone	1	212.9912	0	200	106	20	130
Carbon Disulfide	1	41.4399	0	50	83	50	130
t-Butyl Alcohol	1	240.9018	0	200	120	20	130
n-Hexane	1	47.5087	0	50	95	50	130
Di-isopropyl-ether	1	49.1234	0	50	98	50	130
1,1-Dichloroethene	1	44.7171	0	50	89	50	130
Methyl Acetate	1	84.2806	0	50	169*	50	130
Methyl-t-butyl ether	1	51.3784	0	50	103	50	130
1,1-Dichloroethane	1	47.8775	0	50	96	50	130
trans-1,2-Dichloroethene	1	43.6754	0	50	87	50	130
Ethyl-t-butyl ether	1	55.2772	0	50	111	50	130
cis-1,2-Dichloroethene	1	46.5169	0	50	93	50	130
Bromochloromethane	1	48.7248	0	50	97	50	130
2,2-Dichloropropane	1	47.1015	0	50	94	50	130
Ethyl acetate	1	28.0106	0	50	56	50	130
1,4-Dioxane	1	2083.777	0	2500	83	50	130
1,1-Dichloropropene	1	42.62	0	50	85	50	130
Chloroform	1	45.852	0	50	92	50	130
Cyclohexane	1	47.7398	0	50	95	50	130
1,2-Dichloroethane	1	49.525	0	50	99	50	130
2-Butanone	1	44.9336	0	50	90	20	130
1,1,1-Trichloroethane	1	44.6421	0	50	89	50	130
Carbon Tetrachloride	1	42.6682	0	50	85	50	130
Vinyl Acetate	1	25.3716	0	50	51	50	130
Bromodichloromethane	1	47.6506	0	50	95	50	130
Methylcyclohexane	1	45.5327	0	50	91	50	130
Dibromomethane	1	42.5005	0	50	85	50	130
1,2-Dichloropropane	1	49.1043	0	50	98	50	130
Trichloroethene	1	42.0743	0	50	84	50	130
Benzene	1	45.8517	0	50	92	50	130
tert-Amyl methyl ether	1	49.7234	0	50	99	50	130
Iso-propylacetate	1	39.2087	0	50	78	50	130
Methyl methacrylate	1	73.6133	0	50	147*	50	130
Dibromochloromethane	1	46.5087	0	50	93	50	130
2-Chloroethylvinylether	1	15.6921	0	50	31*	50	130
cis-1,3-Dichloropropene	1	50.082	0	50	100	50	130
trans-1,3-Dichloropropene	1	51.304	0	50	103	50	130
Ethyl methacrylate	1	36.2986	0	50	73	50	130
1,1,2-Trichloroethane	1	48.73	0	50	97	50	130
1,2-Dibromoethane	1	45.9159	0	50	92	50	130
1,3-Dichloropropane	1	50.0032	0	50	100	50	130
4-Methyl-2-Pentanone	1	49.0378	0	50	98	20	130
2-Hexanone	1	48.6414	0	50	97	20	130
Tetrachloroethene	1	40.6363	0	50	81	50	130
Toluene	1	45.1972	0	50	90	50	130
1,1,1,2-Tetrachloroethane	1	44.4011	0	50	89	50	130
Chlorobenzene	1	44.0582	0	50	88	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92593

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	31.1665	0	50	62	50	130
n-Amyl acetate	1	18.0917	0	50	36*	50	130
Bromoform	**1**	**49.8632**	**0**	**50**	**100**	**20**	**130**
Ethylbenzene	**1**	**49.7595**	**0**	**50**	**100**	**50**	**130**
1,1,2,2-Tetrachloroethane	**1**	**52.6587**	**0**	**50**	**105**	**50**	**130**
Styrene	**1**	**50.7828**	**0**	**50**	**102**	**50**	**130**
m&p-Xylenes	**1**	**95.4689**	**0**	**100**	**95**	**50**	**130**
o-Xylene	**1**	**48.7245**	**0**	**50**	**97**	**50**	**130**
trans-1,4-Dichloro-2-butene	1	50.8701	0	50	102	20	130
1,3-Dichlorobenzene	**1**	**44.9045**	**0**	**50**	**90**	**50**	**130**
1,4-Dichlorobenzene	**1**	**46.108**	**0**	**50**	**92**	**50**	**130**
1,2-Dichlorobenzene	**1**	**46.1416**	**0**	**50**	**92**	**50**	**130**
Isopropylbenzene	**1**	**49.3512**	**0**	**50**	**99**	**50**	**130**
Cyclohexanone	1	330.445	0	250	132*	50	130
Camphene	1	49.4167	0	50	99	50	130
1,2,3-Trichloropropane	1	52.6084	0	50	105	50	130
2-Chlorotoluene	1	50.977	0	50	102	50	130
p-Ethyltoluene	1	49.6883	0	50	99	50	130
4-Chlorotoluene	1	50.1725	0	50	100	50	130
n-Propylbenzene	1	49.8017	0	50	100	50	130
Bromobenzene	1	52.1917	0	50	104	50	130
1,3,5-Trimethylbenzene	1	48.7979	0	50	98	50	130
Butyl methacrylate	1	35.3216	0	50	71	50	130
t-Butylbenzene	1	47.461	0	50	95	50	130
1,2,4-Trimethylbenzene	1	48.8734	0	50	98	50	130
sec-Butylbenzene	1	48.3328	0	50	97	50	130
4-Isopropyltoluene	1	47.5402	0	50	95	50	130
n-Butylbenzene	1	48.9064	0	50	98	50	130
p-Diethylbenzene	1	48.6718	0	50	97	50	130
1,2,4,5-Tetramethylbenzene	1	51.641	0	50	103	50	130
1,2-Dibromo-3-Chloropropane	**1**	**46.5424**	**0**	**50**	**93**	**50**	**130**
Camphor	1	513.4425	0	500	103	50	130
Hexachlorobutadiene	1	40.6061	0	50	81	50	130
1,2,4-Trichlorobenzene	**1**	**44.3065**	**0**	**50**	**89**	**50**	**130**
1,2,3-Trichlorobenzene	**1**	**44.0514**	**0**	**50**	**88**	**50**	**130**
Naphthalene	1	49.6681	0	50	99	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS92593

	Data File	Sample ID:	Analysis Date
Spike or Dup:	8M546839.D	AD23353-009(MSD)	5/14/2021 10:51:00 PM
Duplicate(If applicable):	8M546838.D	AD23353-009(MS)	5/14/2021 10:32:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	43.7512	39.5122	10	30
Dichlorodifluoromethane	**1**	**81.645**	**84.2857**	**3.2**	**30**
Chloromethane	**1**	**53.8619**	**54.7562**	**1.6**	**30**
Bromomethane	**1**	**46.2591**	**48.0678**	**3.8**	**30**
Vinyl Chloride	**1**	**55.5551**	**57.603**	**3.6**	**40**
Chloroethane	**1**	**50.1101**	**51.4788**	**2.7**	**30**
Trichlorofluoromethane	**1**	**42.9532**	**44.6611**	**3.9**	**30**
Ethyl ether	1	57.2043	58.2469	1.8	30
Furan	1	45.577	47.5043	4.1	30
1,1,2-Trichloro-1,2,2-trifluoroethane	**1**	**43.2892**	**44.4187**	**2.6**	**30**
Methylene Chloride	**1**	**45.6876**	**46.9143**	**2.6**	**30**
Acrolein	1	146.7599	166.4858	13	30
Acrylonitrile	1	44.5466	46.2772	3.8	30
Iodomethane	1	36.5498	37.2901	2	30
Acetone	**1**	**212.9912**	**228.2521**	**6.9**	**30**
Carbon Disulfide	**1**	**41.4399**	**43.3815**	**4.6**	**30**
t-Butyl Alcohol	1	240.9018	242.5381	0.68	30
n-Hexane	1	47.5087	50.6544	6.4	30
Di-isopropyl-ether	1	49.1234	50.9156	3.6	30
1,1-Dichloroethene	**1**	**44.7171**	**46.6914**	**4.3**	**40**
Methyl Acetate	**1**	**84.2806**	**80.5249**	**4.6**	**30**
Methyl-t-butyl ether	**1**	**51.3784**	**52.8242**	**2.8**	**30**
1,1-Dichloroethane	**1**	**47.8775**	**49.791**	**3.9**	**40**
trans-1,2-Dichloroethene	**1**	**43.6754**	**45.4456**	**4**	**30**
Ethyl-t-butyl ether	1	55.2772	57.11	3.3	30
cis-1,2-Dichloroethene	**1**	**46.5169**	**48.8123**	**4.8**	**30**
Bromochloromethane	**1**	**48.7248**	**50.8467**	**4.3**	**30**
2,2-Dichloropropane	1	47.1015	49.0825	4.1	30
Ethyl acetate	1	28.0106	33.5489	18	30
1,4-Dioxane	**1**	**2083.777**	**2051.054**	**1.6**	**30**
1,1-Dichloropropene	1	42.62	45.5662	6.7	30
Chloroform	**1**	**45.852**	**47.8625**	**4.3**	**40**
Cyclohexane	**1**	**47.7398**	**49.9768**	**4.6**	**30**
1,2-Dichloroethane	**1**	**49.525**	**51.2652**	**3.5**	**40**
2-Butanone	**1**	**44.9336**	**46.7369**	**3.9**	**40**
1,1,1-Trichloroethane	**1**	**44.6421**	**46.3526**	**3.8**	**30**
Carbon Tetrachloride	**1**	**42.6682**	**44.3371**	**3.8**	**40**
Vinyl Acetate	1	25.3716	28.4531	11	30
Bromodichloromethane	**1**	**47.6506**	**49.6868**	**4.2**	**30**
Methylcyclohexane	**1**	**45.5327**	**47.1433**	**3.5**	**30**
Dibromomethane	1	42.5005	44.3046	4.2	30
1,2-Dichloropropane	**1**	**49.1043**	**50.4451**	**2.7**	**30**
Trichloroethene	**1**	**42.0743**	**43.6277**	**3.6**	**40**
Benzene	**1**	**45.8517**	**47.5991**	**3.7**	**40**
tert-Amyl methyl ether	1	49.7234	51.6099	3.7	30
Iso-propylacetate	1	39.2087	44.7907	13	30
Methyl methacrylate	1	73.6133	71.8257	2.5	30
Dibromochloromethane	**1**	**46.5087**	**47.6074**	**2.3**	**30**
2-Chloroethylvinylether	1	15.6921	16.1031	2.6	30
cis-1,3-Dichloropropene	**1**	**50.082**	**52.0627**	**3.9**	**30**
trans-1,3-Dichloropropene	**1**	**51.304**	**53.46**	**4.1**	**30**
Ethyl methacrylate	1	36.2986	41.6197	14	30
1,1,2-Trichloroethane	**1**	**48.73**	**50.2833**	**3.1**	**30**
1,2-Dibromoethane	**1**	**45.9159**	**47.3211**	**3**	**30**
1,3-Dichloropropane	1	50.0032	51.3971	2.7	30
4-Methyl-2-Pentanone	**1**	**49.0378**	**51.6118**	**5.1**	**30**
2-Hexanone	**1**	**48.6414**	**51.7037**	**6.1**	**30**
Tetrachloroethene	**1**	**40.6363**	**42.5191**	**4.5**	**40**
Toluene	**1**	**45.1972**	**46.8982**	**3.7**	**40**
1,1,1,2-Tetrachloroethane	1	44.4011	45.837	3.2	30
Chlorobenzene	**1**	**44.0582**	**45.9465**	**4.2**	**40**

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits

QC Batch: MBS92593

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Butyl acrylate	1	31.1665	38.0049	20	30
n-Amyl acetate	1	18.0917	26.9972	40*	30
Bromoform	1	49.8632	51.039	2.3	30
Ethylbenzene	1	49.7595	50.9922	2.4	30
1,1,2,2-Tetrachloroethane	1	52.6587	53.8893	2.3	30
Styrene	1	50.7828	52.2987	2.9	30
m&p-Xylenes	1	95.4689	98.9218	3.6	30
o-Xylene	1	48.7245	50.4617	3.5	30
trans-1,4-Dichloro-2-butene	1	50.8701	52.8493	3.8	30
1,3-Dichlorobenzene	1	44.9045	46.2165	2.9	30
1,4-Dichlorobenzene	1	46.108	47.3926	2.7	40
1,2-Dichlorobenzene	1	46.1416	47.7623	3.5	40
Isopropylbenzene	1	49.3512	51.0557	3.4	30
Cyclohexanone	1	330.445	349.185	5.5	30
Camphene	1	49.4167	51.0937	3.3	30
1,2,3-Trichloropropane	1	52.6084	54.0362	2.7	30
2-Chlorotoluene	1	50.977	52.861	3.6	30
p-Ethyltoluene	1	49.6883	51.3485	3.3	30
4-Chlorotoluene	1	50.1725	51.6143	2.8	30
n-Propylbenzene	1	49.8017	51.1287	2.6	40
Bromobenzene	1	52.1917	54.2392	3.8	30
1,3,5-Trimethylbenzene	1	48.7979	50.535	3.5	30
Butyl methacrylate	1	35.3216	38.6552	9	30
t-Butylbenzene	1	47.461	48.8402	2.9	30
1,2,4-Trimethylbenzene	1	48.8734	50.3124	2.9	30
sec-Butylbenzene	1	48.3328	49.6731	2.7	40
4-Isopropyltoluene	1	47.5402	48.8736	2.8	30
n-Butylbenzene	1	48.9064	50.8367	3.9	30
p-Diethylbenzene	1	48.6718	50.3104	3.3	30
1,2,4,5-Tetramethylbenzene	1	51.641	53.5327	3.6	30
1,2-Dibromo-3-Chloropropane	1	46.5424	47.6324	2.3	30
Camphor	1	513.4425	518.7613	1	30
Hexachlorobutadiene	1	40.6061	41.0413	1.1	30
1,2,4-Trichlorobenzene	1	44.3065	46.8781	5.6	30
1,2,3-Trichlorobenzene	1	44.0514	46.3275	5	30
Naphthalene	1	49.6681	51.8648	4.3	30

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92595

	Data File	Sample ID:	Analysis Date
Spike or Dup:	8M546886.D	AD23327-003(MS)	5/17/2021 11:33:00 AM
Non Spike(If applicable):	8M546881.D	AD23327-003	5/17/2021 9:58:00 AM
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	30.3319	0	50	61	20	130
Dichlorodifluoromethane	1	107.7577	0	50	216*	20	130
Chloromethane	1	61.8068	0	50	124	20	130
Bromomethane	1	57.22	0	50	114	20	130
Vinyl Chloride	1	64.7921	0	50	130	20	130
Chloroethane	1	56.733	0	50	113	20	130
Trichlorofluoromethane	1	48.6264	0	50	97	20	130
Ethyl ether	1	46.7141	0	50	93	50	130
Furan	1	32.624	0	50	65	50	130
1,1,2-Trichloro-1,2,2-trifluoroethane	1	45.1269	0	50	90	50	130
Methylene Chloride	1	54.1706	0	50	108	50	130
Acrolein	1	70.816	0	200	35	20	130
Acrylonitrile	1	45.186	0	50	90	20	130
Iodomethane	1	25.2006	0	50	50	50	130
Acetone	1	215.9853	0	200	108	20	130
Carbon Disulfide	1	44.7461	0	50	89	50	130
t-Butyl Alcohol	1	253.601	0	200	127	20	130
n-Hexane	1	42.7967	0	50	86	50	130
Di-isopropyl-ether	1	51.8196	0	50	104	50	130
1,1-Dichloroethene	1	53.0251	0	50	106	50	130
Methyl Acetate	1	78.9499	0	50	158*	50	130
Methyl-t-butyl ether	1	0	0	50	0*	50	130
1,1-Dichloroethane	1	55.0894	0	50	110	50	130
trans-1,2-Dichloroethene	1	49.8624	0	50	100	50	130
Ethyl-t-butyl ether	1	57.0857	0	50	114	50	130
cis-1,2-Dichloroethene	1	52.0973	0	50	104	50	130
Bromochloromethane	1	55.0664	0	50	110	50	130
2,2-Dichloropropane	1	53.9405	0	50	108	50	130
Ethyl acetate	1	16.4528	0	50	33*	50	130
1,4-Dioxane	1	2150.94	0	2500	86	50	130
1,1-Dichloropropene	1	48.397	0	50	97	50	130
Chloroform	1	54.1755	0	50	108	50	130
Cyclohexane	1	44.5986	0	50	89	50	130
1,2-Dichloroethane	1	57.4655	0	50	115	50	130
2-Butanone	1	44.6673	0	50	89	20	130
1,1,1-Trichloroethane	1	51.0849	0	50	102	50	130
Carbon Tetrachloride	1	48.1525	0	50	96	50	130
Vinyl Acetate	1	24.6934	0	50	49*	50	130
Bromodichloromethane	1	56.7078	0	50	113	50	130
Methylcyclohexane	1	38.8317	0	50	78	50	130
Dibromomethane	1	52.1258	0	50	104	50	130
1,2-Dichloropropane	1	55.6021	0	50	111	50	130
Trichloroethene	1	47.0032	0	50	94	50	130
Benzene	1	51.7427	0	50	103	50	130
tert-Amyl methyl ether	1	57.8426	0	50	116	50	130
Iso-propylacetate	1	28.4818	0	50	57	50	130
Methyl methacrylate	1	72.2042	0	50	144*	50	130
Dibromochloromethane	1	57.022	0	50	114	50	130
2-Chloroethylvinylether	1	105.9707	0	50	212*	50	130
cis-1,3-Dichloropropene	1	56.9934	0	50	114	50	130
trans-1,3-Dichloropropene	1	58.8076	0	50	118	50	130
Ethyl methacrylate	1	29.0084	0	50	58	50	130
1,1,2-Trichloroethane	1	58.492	0	50	117	50	130
1,2-Dibromoethane	1	54.5994	0	50	109	50	130
1,3-Dichloropropane	1	58.6918	0	50	117	50	130
4-Methyl-2-Pentanone	1	49.1398	0	50	98	20	130
2-Hexanone	1	43.0523	0	50	86	20	130
Tetrachloroethene	1	44.3197	0	50	89	50	130
Toluene	1	50.1965	0	50	100	50	130
1,1,1,2-Tetrachloroethane	1	51.784	0	50	104	50	130
Chlorobenzene	1	47.5445	0	50	95	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92595

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	25.0078	0	50	50	50	130
n-Amyl acetate	1	8.0276	0	50	16*	50	130
Bromoform	1	60.4899	0	50	121	20	130
Ethylbenzene	1	52.8605	0	50	106	50	130
1,1,2,2-Tetrachloroethane	1	59.9815	0	50	120	50	130
Styrene	1	53.4922	0	50	107	50	130
m&p-Xylenes	1	100.8801	0	100	101	50	130
o-Xylene	1	52.8627	0	50	106	50	130
trans-1,4-Dichloro-2-butene	1	44.6137	0	50	89	20	130
1,3-Dichlorobenzene	1	42.3859	0	50	85	50	130
1,4-Dichlorobenzene	1	43.4548	0	50	87	50	130
1,2-Dichlorobenzene	1	44.8999	0	50	90	50	130
Isopropylbenzene	1	49.4247	0	50	99	50	130
Cyclohexanone	1	304.437	0	250	122	50	130
Camphene	1	36.9852	0	50	74	50	130
1,2,3-Trichloropropane	1	58.0026	0	50	116	50	130
2-Chlorotoluene	1	50.1325	0	50	100	50	130
p-Ethyltoluene	1	41.8976	0	50	84	50	130
4-Chlorotoluene	1	48.4905	0	50	97	50	130
n-Propylbenzene	1	46.7602	0	50	94	50	130
Bromobenzene	1	55.7976	0	50	112	50	130
1,3,5-Trimethylbenzene	1	48.8335	0	50	98	50	130
Butyl methacrylate	1	30.4112	0	50	61	50	130
t-Butylbenzene	1	44.1066	0	50	88	50	130
1,2,4-Trimethylbenzene	1	46.8808	0	50	94	50	130
sec-Butylbenzene	1	41.2913	0	50	83	50	130
4-Isopropyltoluene	1	39.3721	0	50	79	50	130
n-Butylbenzene	1	38.3535	0	50	77	50	130
p-Diethylbenzene	1	37.6728	0	50	75	50	130
1,2,4,5-Tetramethylbenzene	1	38.5863	0	50	77	50	130
1,2-Dibromo-3-Chloropropane	1	52.5952	0	50	105	50	130
Camphor	1	556.129	0	500	111	50	130
Hexachlorobutadiene	1	25.3538	0	50	51	50	130
1,2,4-Trichlorobenzene	1	34.0185	0	50	68	50	130
1,2,3-Trichlorobenzene	1	33.4602	0	50	67	50	130
Naphthalene	1	42.2121	0	50	84	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92595

	Data File	Sample ID:	Analysis Date
Spike or Dup:	8M546889.D	AD23327-003(MSD)	5/17/2021 12:30:00 PM
Non Spike(If applicable):	8M546881.D	AD23327-003	5/17/2021 9:58:00 AM
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	27.466	0	50	55	20	130
Dichlorodifluoromethane	1	95.0594	0	50	190*	20	130
Chloromethane	1	54.2136	0	50	108	20	130
Bromomethane	1	47.3797	0	50	95	20	130
Vinyl Chloride	1	57.4772	0	50	115	20	130
Chloroethane	1	50.4759	0	50	101	20	130
Trichlorofluoromethane	1	42.3658	0	50	85	20	130
Ethyl ether	1	41.7196	0	50	83	50	130
Furan	1	29.295	0	50	59	50	130
1,1,2-Trichloro-1,2,2-trifluoroethane	1	40.8644	0	50	82	50	130
Methylene Chloride	1	48.5022	0	50	97	50	130
Acrolein	1	27.894	0	200	14*	20	130
Acrylonitrile	1	38.0182	0	50	76	20	130
Iodomethane	1	19.9356	0	50	40*	50	130
Acetone	1	191.9955	0	200	96	20	130
Carbon Disulfide	1	39.166	0	50	78	50	130
t-Butyl Alcohol	1	230.6648	0	200	115	20	130
n-Hexane	1	40.375	0	50	81	50	130
Di-isopropyl-ether	1	46.3719	0	50	93	50	130
1,1-Dichloroethene	1	46.9241	0	50	94	50	130
Methyl Acetate	1	60.2209	0	50	120	50	130
Methyl-t-butyl ether	1	49.6326	0	50	99	50	130
1,1-Dichloroethane	1	48.9379	0	50	98	50	130
trans-1,2-Dichloroethene	1	44.4753	0	50	89	50	130
Ethyl-t-butyl ether	1	51.0054	0	50	102	50	130
cis-1,2-Dichloroethene	1	45.1205	0	50	90	50	130
Bromochloromethane	1	48.4436	0	50	97	50	130
2,2-Dichloropropane	1	47.1278	0	50	94	50	130
Ethyl acetate	1	7.6694	0	50	15*	50	130
1,4-Dioxane	1	1933.578	0	2500	77	50	130
1,1-Dichloropropene	1	43.0053	0	50	86	50	130
Chloroform	1	48.1951	0	50	96	50	130
Cyclohexane	1	41.7072	0	50	83	50	130
1,2-Dichloroethane	1	49.9797	0	50	100	50	130
2-Butanone	1	38.2514	0	50	77	20	130
1,1,1-Trichloroethane	1	45.0903	0	50	90	50	130
Carbon Tetrachloride	1	42.7259	0	50	85	50	130
Vinyl Acetate	1	20.4134	0	50	41*	50	130
Bromodichloromethane	1	49.8324	0	50	100	50	130
Methylcyclohexane	1	36.9486	0	50	74	50	130
Dibromomethane	1	45.9782	0	50	92	50	130
1,2-Dichloropropane	1	50.1034	0	50	100	50	130
Trichloroethene	1	41.5653	0	50	83	50	130
Benzene	1	45.8227	0	50	92	50	130
tert-Amyl methyl ether	1	51.6477	0	50	103	50	130
Iso-propylacetate	1	17.513	0	50	35*	50	130
Methyl methacrylate	1	57.4291	0	50	115	50	130
Dibromochloromethane	1	50.0507	0	50	100	50	130
2-Chloroethylvinylether	1	91.7064	0	50	183*	50	130
cis-1,3-Dichloropropene	1	47.1176	0	50	94	50	130
trans-1,3-Dichloropropene	1	49.1652	0	50	98	50	130
Ethyl methacrylate	1	16.7772	0	50	34*	50	130
1,1,2-Trichloroethane	1	51.9737	0	50	104	50	130
1,2-Dibromoethane	1	47.3744	0	50	95	50	130
1,3-Dichloropropane	1	52.1536	0	50	104	50	130
4-Methyl-2-Pentanone	1	37.7056	0	50	75	20	130
2-Hexanone	1	30.3015	0	50	61	20	130
Tetrachloroethene	1	41.7687	0	50	84	50	130
Toluene	1	45.2723	0	50	91	50	130
1,1,1,2-Tetrachloroethane	1	45.5577	0	50	91	50	130
Chlorobenzene	1	42.6449	0	50	85	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92595

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	13.6404	0	50	27*	50	130
n-Amyl acetate	1	3.0481	0	50	6.1*	50	130
Bromoform	1	54.4006	0	50	109	20	130
Ethylbenzene	1	49.8057	0	50	100	50	130
1,1,2,2-Tetrachloroethane	1	54.1615	0	50	108	50	130
Styrene	1	48.3648	0	50	97	50	130
m&p-Xylenes	1	94.3276	0	100	94	50	130
o-Xylene	1	49.7051	0	50	99	50	130
trans-1,4-Dichloro-2-butene	1	38.1013	0	50	76	20	130
1,3-Dichlorobenzene	1	39.157	0	50	78	50	130
1,4-Dichlorobenzene	1	39.9796	0	50	80	50	130
1,2-Dichlorobenzene	1	40.8472	0	50	82	50	130
Isopropylbenzene	1	47.0953	0	50	94	50	130
Cyclohexanone	1	262.8787	0	250	105	50	130
Camphene	1	36.1981	0	50	72	50	130
1,2,3-Trichloropropane	1	50.4208	0	50	101	50	130
2-Chlorotoluene	1	46.6901	0	50	93	50	130
p-Ethyltoluene	1	39.703	0	50	79	50	130
4-Chlorotoluene	1	45.2796	0	50	91	50	130
n-Propylbenzene	1	44.8307	0	50	90	50	130
Bromobenzene	1	47.76	0	50	96	50	130
1,3,5-Trimethylbenzene	1	46.0132	0	50	92	50	130
Butyl methacrylate	1	18.6765	0	50	37*	50	130
t-Butylbenzene	1	42.5362	0	50	85	50	130
1,2,4-Trimethylbenzene	1	44.0904	0	50	88	50	130
sec-Butylbenzene	1	40.1278	0	50	80	50	130
4-Isopropyltoluene	1	37.2767	0	50	75	50	130
n-Butylbenzene	1	36.4254	0	50	73	50	130
p-Diethylbenzene	1	35.8352	0	50	72	50	130
1,2,4,5-Tetramethylbenzene	1	36.8478	0	50	74	50	130
1,2-Dibromo-3-Chloropropane	1	47.1229	0	50	94	50	130
Camphor	1	526.2542	0	500	105	50	130
Hexachlorobutadiene	1	24.0694	0	50	48*	50	130
1,2,4-Trichlorobenzene	1	30.1738	0	50	60	50	130
1,2,3-Trichlorobenzene	1	29.4601	0	50	59	50	130
Naphthalene	1	35.2848	0	50	71	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS92595

	Data File	Sample ID:	Analysis Date
Spike or Dup:	8M546889.D	AD23327-003(MSD)	5/17/2021 12:30:00 PM
Duplicate(If applicable):	8M546886.D	AD23327-003(MS)	5/17/2021 11:33:00 AM
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	27.466	30.3319	9.9	30
Dichlorodifluoromethane	1	95.0594	107.7577	13	30
Chloromethane	1	54.2136	61.8068	13	30
Bromomethane	1	47.3797	57.22	19	30
Vinyl Chloride	1	57.4772	64.7921	12	40
Chloroethane	1	50.4759	56.733	12	30
Trichlorofluoromethane	1	42.3658	48.6264	14	30
Ethyl ether	1	41.7196	46.7141	11	30
Furan	1	29.295	32.624	11	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1	40.8644	45.1269	9.9	30
Methylene Chloride	1	48.5022	54.1706	11	30
Acrolein	1	27.894	70.816	87*	30
Acrylonitrile	1	38.0182	45.186	17	30
Iodomethane	1	19.9356	25.2006	23	30
Acetone	1	191.9955	215.9853	12	30
Carbon Disulfide	1	39.166	44.7461	13	30
t-Butyl Alcohol	1	230.6648	253.601	9.5	30
n-Hexane	1	40.375	42.7967	5.8	30
Di-isopropyl-ether	1	46.3719	51.8196	11	30
1,1-Dichloroethene	1	46.9241	53.0251	12	40
Methyl Acetate	1	60.2209	78.9499	27	30
Methyl-t-butyl ether	1	49.6326	0	200*	30
1,1-Dichloroethane	1	48.9379	55.0894	12	40
trans-1,2-Dichloroethene	1	44.4753	49.8624	11	30
Ethyl-t-butyl ether	1	51.0054	57.0857	11	30
cis-1,2-Dichloroethene	1	45.1205	52.0973	14	30
Bromochloromethane	1	48.4436	55.0664	13	30
2,2-Dichloropropane	1	47.1278	53.9405	13	30
Ethyl acetate	1	7.6694	16.4528	73*	30
1,4-Dioxane	1	1933.578	2150.94	11	30
1,1-Dichloropropene	1	43.0053	48.397	12	30
Chloroform	1	48.1951	54.1755	12	40
Cyclohexane	1	41.7072	44.5986	6.7	30
1,2-Dichloroethane	1	49.9797	57.4655	14	40
2-Butanone	1	38.2514	44.6673	15	40
1,1,1-Trichloroethane	1	45.0903	51.0849	12	30
Carbon Tetrachloride	1	42.7259	48.1525	12	40
Vinyl Acetate	1	20.4134	24.6934	19	30
Bromodichloromethane	1	49.8324	56.7078	13	30
Methylcyclohexane	1	36.9486	38.8317	5	30
Dibromomethane	1	45.9782	52.1258	13	30
1,2-Dichloropropane	1	50.1034	55.6021	10	30
Trichloroethene	1	41.5653	47.0032	12	40
Benzene	1	45.8227	51.7427	12	40
tert-Amyl methyl ether	1	51.6477	57.8426	11	30
Iso-propylacetate	1	17.513	28.4818	48*	30
Methyl methacrylate	1	57.4291	72.2042	23	30
Dibromochloromethane	1	50.0507	57.022	13	30
2-Chloroethylvinylether	1	91.7064	105.9707	14	30
cis-1,3-Dichloropropene	1	47.1176	56.9934	19	30
trans-1,3-Dichloropropene	1	49.1652	58.8076	18	30
Ethyl methacrylate	1	16.7772	29.0084	53*	30
1,1,2-Trichloroethane	1	51.9737	58.492	12	30
1,2-Dibromoethane	1	47.3744	54.5994	14	30
1,3-Dichloropropane	1	52.1536	58.6918	12	30
4-Methyl-2-Pentanone	1	37.7056	49.1398	26	30
2-Hexanone	1	30.3015	43.0523	35*	30
Tetrachloroethene	1	41.7687	44.3197	5.9	40
Toluene	1	45.2723	50.1965	10	40
1,1,1,2-Tetrachloroethane	1	45.5577	51.784	13	30
Chlorobenzene	1	42.6449	47.5445	11	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits

QC Batch: MBS92595

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Butyl acrylate	1	13.6404	25.0078	59*	30
n-Amyl acetate	1	3.0481	8.0276	90*	30
Bromoform	1	54.4006	60.4899	11	30
Ethylbenzene	1	49.8057	52.8605	6	30
1,1,2,2-Tetrachloroethane	1	54.1615	59.9815	10	30
Styrene	1	48.3648	53.4922	10	30
m&p-Xylenes	1	94.3276	100.8801	6.7	30
o-Xylene	1	49.7051	52.8627	6.2	30
trans-1,4-Dichloro-2-butene	1	38.1013	44.6137	16	30
1,3-Dichlorobenzene	1	39.157	42.3859	7.9	30
1,4-Dichlorobenzene	1	39.9796	43.4548	8.3	40
1,2-Dichlorobenzene	1	40.8472	44.8999	9.5	40
Isopropylbenzene	1	47.0953	49.4247	4.8	30
Cyclohexanone	1	262.8787	304.437	15	30
Camphene	1	36.1981	36.9852	2.2	30
1,2,3-Trichloropropane	1	50.4208	58.0026	14	30
2-Chlorotoluene	1	46.6901	50.1325	7.1	30
p-Ethyltoluene	1	39.703	41.8976	5.4	30
4-Chlorotoluene	1	45.2796	48.4905	6.8	30
n-Propylbenzene	1	44.8307	46.7602	4.2	40
Bromobenzene	1	47.76	55.7976	16	30
1,3,5-Trimethylbenzene	1	46.0132	48.8335	5.9	30
Butyl methacrylate	1	18.6765	30.4112	48*	30
t-Butylbenzene	1	42.5362	44.1066	3.6	30
1,2,4-Trimethylbenzene	1	44.0904	46.8808	6.1	30
sec-Butylbenzene	1	40.1278	41.2913	2.9	40
4-Isopropyltoluene	1	37.2767	39.3721	5.5	30
n-Butylbenzene	1	36.4254	38.3535	5.2	30
p-Diethylbenzene	1	35.8352	37.6728	5	30
1,2,4,5-Tetramethylbenzene	1	36.8478	38.5863	4.6	30
1,2-Dibromo-3-Chloropropane	1	47.1229	52.5952	11	30
Camphor	1	526.2542	556.129	5.5	30
Hexachlorobutadiene	1	24.0694	25.3538	5.2	30
1,2,4-Trichlorobenzene	1	30.1738	34.0185	12	30
1,2,3-Trichlorobenzene	1	29.4601	33.4602	13	30
Naphthalene	1	35.2848	42.2121	18	30

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92597

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91256.D	AD23406-005(MS)	5/17/2021 4:27:00 PM
Non Spike(If applicable):	11M91248.D	AD23406-005	5/17/2021 1:35:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	24.5743	0	20	123	50	150
Dichlorodifluoromethane	1	34.9361	0	20	175*	50	150
Chloromethane	1	26.0568	0	20	130	50	150
Bromomethane	1	9.4169	1.7883	20	38*	50	150
Vinyl Chloride	1	22.9344	0	20	115	50	150
Chloroethane	1	55.3223	0	20	277*	50	150
Trichlorofluoromethane	1	33.6039	0	20	168*	50	150
Ethyl ether	1	29.7116	0	20	149	50	150
Furan	1	27.5761	0	20	138	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	27.7981	0	20	139	50	150
Methylene Chloride	1	25.2887	0	20	126	70	130
Acrolein	1	164.958	0	100	165*	50	150
Acrylonitrile	1	37.5904	0	20	188*	50	150
Iodomethane	1	13.5175	0	20	68	50	150
Acetone	1	183.7303	0	100	184*	50	150
Carbon Disulfide	1	22.9971	0	20	115	50	150
t-Butyl Alcohol	1	96.0122	0	100	96	50	150
n-Hexane	1	30.7893	0	20	154*	70	130
Di-isopropyl-ether	1	30.898	0	20	154*	70	130
1,1-Dichloroethene	1	26.0388	0	20	130	70	130
Methyl Acetate	1	43.8903	0	20	219*	50	150
Methyl-t-butyl ether	1	33.4351	0	20	167*	70	130
1,1-Dichloroethane	1	24.2083	0	20	121	70	130
trans-1,2-Dichloroethene	1	23.9599	0	20	120	70	130
Ethyl-t-butyl ether	1	26.3508	0	20	132*	70	130
cis-1,2-Dichloroethene	1	24.0865	0	20	120	70	130
Bromochloromethane	1	25.9475	0	20	130	70	130
2,2-Dichloropropane	1	22.9356	0	20	115	70	130
Ethyl acetate	1	27.2532	0	20	136	50	150
1,4-Dioxane	1	1059.425	96.5312	1000	96	50	150
1,1-Dichloropropene	1	23.0091	0	20	115	70	130
Chloroform	1	23.3287	0	20	117	70	130
Cyclohexane	1	28.1663	0	20	141*	70	130
1,2-Dichloroethane	1	22.6776	0	20	113	70	130
2-Butanone	1	24.3637	0	20	122	50	150
1,1,1-Trichloroethane	1	22.6715	0	20	113	70	130
Carbon Tetrachloride	1	19.9916	0	20	100	50	150
Vinyl Acetate	1	22.8163	0	20	114	50	150
Bromodichloromethane	1	22.0502	0	20	110	70	130
Methylcyclohexane	1	25.4671	0	20	127	70	130
Dibromomethane	1	23.0687	0	20	115	70	130
1,2-Dichloropropane	1	24.2296	0	20	121	70	130
Trichloroethene	1	21.7722	0	20	109	70	130
Benzene	1	23.4986	0	20	117	70	130
tert-Amyl methyl ether	1	23.062	0	20	115	70	130
Iso-propylacetate	1	24.4672	0	20	122	70	130
Methyl methacrylate	1	23.8501	0	20	119	70	130
Dibromochloromethane	1	22.2482	0	20	111	70	130
2-Chloroethylvinylether	1	7.5207	0	20	38*	70	130
cis-1,3-Dichloropropene	1	25.2652	0	20	126	70	130
trans-1,3-Dichloropropene	1	23.5262	0	20	118	70	130
Ethyl methacrylate	1	24.7997	0	20	124	70	130
1,1,2-Trichloroethane	1	25.3078	0	20	127	70	130
1,2-Dibromoethane	1	24.8892	0	20	124	70	130
1,3-Dichloropropane	1	24.7473	0	20	124	70	130
4-Methyl-2-Pentanone	1	25.5228	0	20	128	50	150
2-Hexanone	1	23.3276	0	20	117	50	150
Tetrachloroethene	1	25.2464	5.166	20	100	50	150
Toluene	1	24.0047	0	20	120	70	130
1,1,1,2-Tetrachloroethane	1	21.3502	0	20	107	70	130
Chlorobenzene	1	23.8076	0	20	119	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92597

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	22.3278	0	20	112	70	130
n-Amyl acetate	1	18.7257	0	20	94	70	130
Bromoform	1	20.3289	0	20	102	70	130
Ethylbenzene	1	20.5752	0	20	103	70	130
1,1,2,2-Tetrachloroethane	1	24.7024	0	20	124	70	130
Styrene	1	21.4106	0	20	107	70	130
m&p-Xylenes	1	46.8845	0	40	117	70	130
o-Xylene	1	21.5482	0	20	108	70	130
trans-1,4-Dichloro-2-butene	1	21.6937	0	20	108	50	150
1,3-Dichlorobenzene	1	22.2876	0	20	111	70	130
1,4-Dichlorobenzene	1	22.6442	0	20	113	70	130
1,2-Dichlorobenzene	1	23.891	0	20	119	70	130
Isopropylbenzene	1	22.2695	0	20	111	70	130
Cyclohexanone	1	153.2394	16.6549	100	137	50	150
Camphene	1	23.8396	0	20	119	70	130
1,2,3-Trichloropropane	1	21.906	0	20	110	70	130
2-Chlorotoluene	1	21.4006	0	20	107	70	130
p-Ethyltoluene	1	23.2557	0	20	116	70	130
4-Chlorotoluene	1	22.1667	0	20	111	70	130
n-Propylbenzene	1	22.9605	0	20	115	70	130
Bromobenzene	1	23.0081	0	20	115	70	130
1,3,5-Trimethylbenzene	1	19.3965	0	20	97	70	130
Butyl methacrylate	1	24.3191	0	20	122	70	130
t-Butylbenzene	1	22.6518	0	20	113	70	130
1,2,4-Trimethylbenzene	1	23.0799	0	20	115	70	130
sec-Butylbenzene	1	23.6802	0	20	118	70	130
4-Isopropyltoluene	1	22.981	0	20	115	70	130
n-Butylbenzene	1	24.447	0	20	122	70	130
p-Diethylbenzene	1	23.5734	0	20	118	70	130
1,2,4,5-Tetramethylbenzene	1	26.9477	0	20	135*	70	130
1,2-Dibromo-3-Chloropropane	1	22.6136	0	20	113	50	150
Camphor	1	196.6771	39.3527	200	79	20	150
Hexachlorobutadiene	1	27.1517	0	20	136	50	150
1,2,4-Trichlorobenzene	1	28.0087	1.9175	20	130	70	130
1,2,3-Trichlorobenzene	1	35.5595	0	20	178*	70	130
Naphthalene	1	34.5578	4.4811	20	150	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92597

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91257.D	AD23406-005(MSD)	5/17/2021 4:49:00 PM
Non Spike(If applicable):	11M91248.D	AD23406-005	5/17/2021 1:35:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	24.4653	0	20	122	50	150
Dichlorodifluoromethane	1	34.4007	0	20	172*	50	150
Chloromethane	1	25.6495	0	20	128	50	150
Bromomethane	1	9.9255	1.7883	20	41*	50	150
Vinyl Chloride	1	23.3258	0	20	117	50	150
Chloroethane	1	68.4249	0	20	342*	50	150
Trichlorofluoromethane	1	30.2372	0	20	151*	50	150
Ethyl ether	1	28.7063	0	20	144	50	150
Furan	1	26.2186	0	20	131	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	26.7786	0	20	134	50	150
Methylene Chloride	1	25.4617	0	20	127	70	130
Acrolein	1	172.1828	0	100	172*	50	150
Acrylonitrile	1	36.8111	0	20	184*	50	150
Iodomethane	1	15.0931	0	20	75	50	150
Acetone	1	185.6875	0	100	186*	50	150
Carbon Disulfide	1	21.9059	0	20	110	50	150
t-Butyl Alcohol	1	102.8264	0	100	103	50	150
n-Hexane	1	29.6686	0	20	148*	70	130
Di-isopropyl-ether	1	30.5612	0	20	153*	70	130
1,1-Dichloroethene	1	24.0874	0	20	120	70	130
Methyl Acetate	1	44.1999	0	20	221*	50	150
Methyl-t-butyl ether	1	33.3555	0	20	167*	70	130
1,1-Dichloroethane	1	23.3227	0	20	117	70	130
trans-1,2-Dichloroethene	1	22.7291	0	20	114	70	130
Ethyl-t-butyl ether	1	26.1616	0	20	131*	70	130
cis-1,2-Dichloroethene	1	23.1712	0	20	116	70	130
Bromochloromethane	1	24.5174	0	20	123	70	130
2,2-Dichloropropane	1	20.799	0	20	104	70	130
Ethyl acetate	1	25.9406	0	20	130	50	150
1,4-Dioxane	1	1017.253	96.5312	1000	92	50	150
1,1-Dichloropropene	1	21.6441	0	20	108	70	130
Chloroform	1	23.3569	0	20	117	70	130
Cyclohexane	1	26.2688	0	20	131*	70	130
1,2-Dichloroethane	1	22.6002	0	20	113	70	130
2-Butanone	1	23.8755	0	20	119	50	150
1,1,1-Trichloroethane	1	21.7178	0	20	109	70	130
Carbon Tetrachloride	1	19.0045	0	20	95	50	150
Vinyl Acetate	1	22.1487	0	20	111	50	150
Bromodichloromethane	1	21.9188	0	20	110	70	130
Methylcyclohexane	1	24.9457	0	20	125	70	130
Dibromomethane	1	22.4748	0	20	112	70	130
1,2-Dichloropropane	1	23.8208	0	20	119	70	130
Trichloroethene	1	21.1579	0	20	106	70	130
Benzene	1	22.8332	0	20	114	70	130
tert-Amyl methyl ether	1	23.5969	0	20	118	70	130
Iso-propylacetate	1	24.4548	0	20	122	70	130
Methyl methacrylate	1	23.8317	0	20	119	70	130
Dibromochloromethane	1	21.7551	0	20	109	70	130
2-Chloroethylvinylether	1	6.7703	0	20	34*	70	130
cis-1,3-Dichloropropene	1	24.1285	0	20	121	70	130
trans-1,3-Dichloropropene	1	23.8604	0	20	119	70	130
Ethyl methacrylate	1	25.0487	0	20	125	70	130
1,1,2-Trichloroethane	1	24.3183	0	20	122	70	130
1,2-Dibromoethane	1	25.3553	0	20	127	70	130
1,3-Dichloropropane	1	24.5736	0	20	123	70	130
4-Methyl-2-Pentanone	1	25.6495	0	20	128	50	150
2-Hexanone	1	23.935	0	20	120	50	150
Tetrachloroethene	1	24.9572	5.166	20	99	50	150
Toluene	1	22.8936	0	20	114	70	130
1,1,1,2-Tetrachloroethane	1	20.3983	0	20	102	70	130
Chlorobenzene	1	23.0267	0	20	115	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92597

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	22.2107	0	20	111	70	130
n-Amyl acetate	1	18.9093	0	20	95	70	130
Bromoform	**1**	**20.2045**	**0**	**20**	**101**	**70**	**130**
Ethylbenzene	**1**	**19.5016**	**0**	**20**	**98**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**24.6396**	**0**	**20**	**123**	**70**	**130**
Styrene	**1**	**20.8613**	**0**	**20**	**104**	**70**	**130**
m&p-Xylenes	**1**	**44.4103**	**0**	**40**	**111**	**70**	**130**
o-Xylene	**1**	**20.7155**	**0**	**20**	**104**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	20.2999	0	20	101	50	150
1,3-Dichlorobenzene	**1**	**22.0118**	**0**	**20**	**110**	**70**	**130**
1,4-Dichlorobenzene	**1**	**22.7207**	**0**	**20**	**114**	**70**	**130**
1,2-Dichlorobenzene	**1**	**23.6577**	**0**	**20**	**118**	**70**	**130**
Isopropylbenzene	**1**	**21.9175**	**0**	**20**	**110**	**70**	**130**
Cyclohexanone	1	143.3396	16.6549	100	127	50	150
Camphene	1	22.1158	0	20	111	70	130
1,2,3-Trichloropropane	1	22.1119	0	20	111	70	130
2-Chlorotoluene	1	20.4895	0	20	102	70	130
p-Ethyltoluene	1	21.638	0	20	108	70	130
4-Chlorotoluene	1	22.0157	0	20	110	70	130
n-Propylbenzene	1	22.5827	0	20	113	70	130
Bromobenzene	1	22.7854	0	20	114	70	130
1,3,5-Trimethylbenzene	1	18.9052	0	20	95	70	130
Butyl methacrylate	1	21.7611	0	20	109	70	130
t-Butylbenzene	1	22.0058	0	20	110	70	130
1,2,4-Trimethylbenzene	1	22.303	0	20	112	70	130
sec-Butylbenzene	1	23.2253	0	20	116	70	130
4-Isopropyltoluene	1	23.0587	0	20	115	70	130
n-Butylbenzene	1	23.992	0	20	120	70	130
p-Diethylbenzene	1	23.3237	0	20	117	70	130
1,2,4,5-Tetramethylbenzene	1	26.9077	0	20	135*	70	130
1,2-Dibromo-3-Chloropropane	**1**	**26.791**	**0**	**20**	**134**	**50**	**150**
Camphor	1	221.3325	39.3527	200	91	20	150
Hexachlorobutadiene	1	26.7801	0	20	134	50	150
1,2,4-Trichlorobenzene	**1**	**29.0179**	**1.9175**	**20**	**136***	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**36.4668**	**0**	**20**	**182***	**70**	**130**
Naphthalene	1	37.3803	4.4811	20	164*	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS92597

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91257.D	AD23406-005(MSD)	5/17/2021 4:49:00 PM
Duplicate(If applicable):	11M91256.D	AD23406-005(MS)	5/17/2021 4:27:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	24.4653	24.5743	0.44	30
Dichlorodifluoromethane	1	34.4007	34.9361	1.5	30
Chloromethane	1	25.6495	26.0568	1.6	30
Bromomethane	1	9.9255	9.4169	5.3	30
Vinyl Chloride	1	23.3258	22.9344	1.7	40
Chloroethane	1	68.4249	55.3223	21	30
Trichlorofluoromethane	1	30.2372	33.6039	11	30
Ethyl ether	1	28.7063	29.7116	3.4	30
Furan	1	26.2186	27.5761	5	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1	26.7786	27.7981	3.7	30
Methylene Chloride	1	25.4617	25.2887	0.68	30
Acrolein	1	172.1828	164.958	4.3	30
Acrylonitrile	1	36.8111	37.5904	2.1	30
Iodomethane	1	15.0931	13.5175	11	30
Acetone	1	185.6875	183.7303	1.1	30
Carbon Disulfide	1	21.9059	22.9971	4.9	30
t-Butyl Alcohol	1	102.8264	96.0122	6.9	30
n-Hexane	1	29.6686	30.7893	3.7	30
Di-isopropyl-ether	1	30.5612	30.898	1.1	30
1,1-Dichloroethene	1	24.0874	26.0388	7.8	40
Methyl Acetate	1	44.1999	43.8903	0.7	30
Methyl-t-butyl ether	1	33.3555	33.4351	0.24	30
1,1-Dichloroethane	1	23.3227	24.2083	3.7	40
trans-1,2-Dichloroethene	1	22.7291	23.9599	5.3	30
Ethyl-t-butyl ether	1	26.1616	26.3508	0.72	30
cis-1,2-Dichloroethene	1	23.1712	24.0865	3.9	30
Bromochloromethane	1	24.5174	25.9475	5.7	30
2,2-Dichloropropane	1	20.799	22.9356	9.8	30
Ethyl acetate	1	25.9406	27.2532	4.9	20
1,4-Dioxane	1	1017.253	1059.425	4.1	30
1,1-Dichloropropene	1	21.6441	23.0091	6.1	30
Chloroform	1	23.3569	23.3287	0.12	40
Cyclohexane	1	26.2688	28.1663	7	30
1,2-Dichloroethane	1	22.6002	22.6776	0.34	40
2-Butanone	1	23.8755	24.3637	2	40
1,1,1-Trichloroethane	1	21.7178	22.6715	4.3	30
Carbon Tetrachloride	1	19.0045	19.9916	5.1	40
Vinyl Acetate	1	22.1487	22.8163	3	30
Bromodichloromethane	1	21.9188	22.0502	0.6	30
Methylcyclohexane	1	24.9457	25.4671	2.1	30
Dibromomethane	1	22.4748	23.0687	2.6	30
1,2-Dichloropropane	1	23.8298	24.2296	1.7	30
Trichloroethene	1	21.1579	21.7722	2.9	40
Benzene	1	22.8332	23.4986	2.9	40
tert-Amyl methyl ether	1	23.5969	23.062	2.3	30
Iso-propylacetate	1	24.4548	24.4672	0.05	30
Methyl methacrylate	1	23.8317	23.8501	0.08	30
Dibromochloromethane	1	21.7551	22.2482	2.2	30
2-Chloroethylvinylether	1	6.7703	7.5207	11	30
cis-1,3-Dichloropropene	1	24.1285	25.2652	4.6	30
trans-1,3-Dichloropropene	1	23.8604	23.5262	1.4	30
Ethyl methacrylate	1	25.0487	24.7997	1	30
1,1,2-Trichloroethane	1	24.3183	25.3078	4	30
1,2-Dibromoethane	1	25.3553	24.8892	1.9	30
1,3-Dichloropropane	1	24.5736	24.7473	0.7	30
4-Methyl-2-Pentanone	1	25.6495	25.5228	0.5	30
2-Hexanone	1	23.935	23.3276	2.6	30
Tetrachloroethene	1	24.9572	25.2464	1.2	40
Toluene	1	22.8936	24.0047	4.7	40
1,1,1,2-Tetrachloroethane	1	20.3983	21.3502	4.6	30
Chlorobenzene	1	23.0267	23.8076	3.3	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS92597

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Butyl acrylate	1	22.2107	22.3278	0.53	30
n-Amyl acetate	1	18.9093	18.7257	0.98	30
Bromoform	1	20.2045	20.3289	0.61	30
Ethylbenzene	1	19.5016	20.5752	5.4	30
1,1,2,2-Tetrachloroethane	1	24.6396	24.7024	0.25	30
Styrene	1	20.8613	21.4106	2.6	30
m&p-Xylenes	1	44.4103	46.8845	5.4	30
o-Xylene	1	20.7155	21.5482	3.9	30
trans-1,4-Dichloro-2-butene	1	20.2999	21.6937	6.6	30
1,3-Dichlorobenzene	1	22.0118	22.2876	1.2	30
1,4-Dichlorobenzene	1	22.7207	22.6442	0.34	40
1,2-Dichlorobenzene	1	23.6577	23.891	0.98	40
Isopropylbenzene	1	21.9175	22.2695	1.6	30
Cyclohexanone	1	143.3396	153.2394	6.7	30
Camphene	1	22.1158	23.8396	7.5	30
1,2,3-Trichloropropane	1	22.1119	21.906	0.94	30
2-Chlorotoluene	1	20.4895	21.4006	4.3	30
p-Ethyltoluene	1	21.638	23.2557	7.2	30
4-Chlorotoluene	1	22.0157	22.1667	0.68	30
n-Propylbenzene	1	22.5827	22.9605	1.7	40
Bromobenzene	1	22.7854	23.0081	0.97	30
1,3,5-Trimethylbenzene	1	18.9052	19.3965	2.6	30
Butyl methacrylate	1	21.7611	24.3191	11	30
t-Butylbenzene	1	22.0058	22.6518	2.9	30
1,2,4-Trimethylbenzene	1	22.303	23.0799	3.4	30
sec-Butylbenzene	1	23.2253	23.6802	1.9	40
4-Isopropyltoluene	1	23.0587	22.981	0.34	30
n-Butylbenzene	1	23.992	24.447	1.9	30
p-Diethylbenzene	1	23.3237	23.5734	1.1	30
1,2,4,5-Tetramethylbenzene	1	26.9077	26.9477	0.15	30
1,2-Dibromo-3-Chloropropane	1	26.791	22.6136	17	30
Camphor	1	221.3325	196.6771	12	30
Hexachlorobutadiene	1	26.7801	27.1517	1.4	30
1,2,4-Trichlorobenzene	1	29.0179	28.0087	3.5	30
1,2,3-Trichlorobenzene	1	36.4668	35.5595	2.5	30
Naphthalene	1	37.3803	34.5578	7.8	30

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch:MBS93449

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91527.D	AD23438-009(MS)	5/21/2021 6:20:00 PM
Non Spike(If applicable):	11M91511.D	AD23438-009	5/21/2021 12:31:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	26.2968	0	20	131	50	150
Dichlorodifluoromethane	**1**	**11.7125**	**0**	**20**	**59**	**50**	**150**
Chloromethane	**1**	**17.3847**	**0**	**20**	**87**	**50**	**150**
Bromomethane	**1**	**20.0152**	**1.5736**	**20**	**92**	**50**	**150**
Vinyl Chloride	**1**	**18.6038**	**0**	**20**	**93**	**50**	**150**
Chloroethane	**1**	**25.2107**	**0**	**20**	**126**	**50**	**150**
Trichlorofluoromethane	**1**	**22.1449**	**0**	**20**	**111**	**50**	**150**
Ethyl ether	1	27.2978	0	20	136	50	150
Furan	1	22.8318	0	20	114	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	**1**	**25.2244**	**0**	**20**	**126**	**50**	**150**
Methylene Chloride	**1**	**25.2493**	**0**	**20**	**126**	**70**	**130**
Acrolein	1	127.9132	0	100	128	50	150
Acrylonitrile	1	35.6414	0	20	178*	50	150
Iodomethane	1	16.4814	0	20	82	50	150
Acetone	**1**	**165.7924**	**0**	**100**	**166***	**50**	**150**
Carbon Disulfide	**1**	**20.2553**	**0**	**20**	**101**	**50**	**150**
t-Butyl Alcohol	1	77.4246	5.3832	100	72	50	150
n-Hexane	1	25.4487	0	20	127	70	130
Di-isopropyl-ether	1	31.1185	0	20	156*	70	130
1,1-Dichloroethene	**1**	**22.8349**	**0**	**20**	**114**	**70**	**130**
Methyl Acetate	**1**	**38.2228**	**1.3963**	**20**	**184***	**50**	**150**
Methyl-t-butyl ether	**1**	**32.2808**	**0**	**20**	**161***	**70**	**130**
1,1-Dichloroethane	**1**	**24.1321**	**0**	**20**	**121**	**70**	**130**
trans-1,2-Dichloroethene	**1**	**23.873**	**0**	**20**	**119**	**70**	**130**
Ethyl-t-butyl ether	1	26.7554	0	20	134*	70	130
cis-1,2-Dichloroethene	**1**	**24.7832**	**0**	**20**	**124**	**70**	**130**
Bromochloromethane	**1**	**26.3929**	**0**	**20**	**132***	**70**	**130**
2,2-Dichloropropane	1	23.7328	0	20	119	70	130
Ethyl acetate	1	26.4911	0	20	132	50	150
1,4-Dioxane	**1**	**586.5902**	**0**	**1000**	**59**	**50**	**150**
1,1-Dichloropropene	1	23.8816	0	20	119	70	130
Chloroform	**1**	**24.8355**	**0**	**20**	**124**	**70**	**130**
Cyclohexane	**1**	**26.7121**	**0**	**20**	**134***	**70**	**130**
1,2-Dichloroethane	**1**	**24.4226**	**1.377**	**20**	**115**	**70**	**130**
2-Butanone	**1**	**22.7931**	**0**	**20**	**114**	**50**	**150**
1,1,1-Trichloroethane	**1**	**23.9102**	**0**	**20**	**120**	**70**	**130**
Carbon Tetrachloride	**1**	**21.9572**	**0**	**20**	**110**	**50**	**150**
Vinyl Acetate	1	20.026	0	20	100	50	150
Bromodichloromethane	**1**	**25.0623**	**0**	**20**	**125**	**70**	**130**
Methylcyclohexane	**1**	**25.0503**	**0**	**20**	**125**	**70**	**130**
Dibromomethane	1	24.411	0	20	122	70	130
1,2-Dichloropropane	**1**	**26.4711**	**0**	**20**	**132***	**70**	**130**
Trichloroethene	**1**	**24.9192**	**0**	**20**	**125**	**70**	**130**
Benzene	**1**	**24.9003**	**0**	**20**	**125**	**70**	**130**
tert-Amyl methyl ether	1	25.1063	0	20	126	70	130
Iso-propylacetate	1	23.9704	0	20	120	70	130
Methyl methacrylate	1	22.411	0	20	112	70	130
Dibromochloromethane	**1**	**23.2974**	**0**	**20**	**116**	**70**	**130**
2-Chloroethylvinylether	1	5.9661	0	20	30*	70	130
cis-1,3-Dichloropropene	**1**	**25.0514**	**0**	**20**	**125**	**70**	**130**
trans-1,3-Dichloropropene	**1**	**24.3358**	**1.3452**	**20**	**115**	**70**	**130**
Ethyl methacrylate	1	22.5348	0	20	113	70	130
1,1,2-Trichloroethane	**1**	**24.8777**	**0**	**20**	**124**	**70**	**130**
1,2-Dibromoethane	**1**	**25.2042**	**0**	**20**	**126**	**70**	**130**
1,3-Dichloropropane	1	24.798	0	20	124	70	130
4-Methyl-2-Pentanone	**1**	**23.872**	**0**	**20**	**119**	**50**	**150**
2-Hexanone	**1**	**20.9985**	**0**	**20**	**105**	**50**	**150**
Tetrachloroethene	**1**	**21.8533**	**0**	**20**	**109**	**50**	**150**
Toluene	**1**	**26.0243**	**0**	**20**	**130**	**70**	**130**
1,1,1,2-Tetrachloroethane	1	22.4355	0	20	112	70	130
Chlorobenzene	**1**	**24.7686**	**0**	**20**	**124**	**70**	**130**

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93449

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	26.1459	0	20	131*	70	130
n-Amyl acetate	1	20.999	0	20	105	70	130
Bromoform	1	24.3744	0	20	122	70	130
Ethylbenzene	1	24.9536	0	20	125	70	130
1,1,2,2-Tetrachloroethane	1	26.5762	0	20	133*	70	130
Styrene	1	24.6453	0	20	123	70	130
m&p-Xylenes	1	53.7639	0	40	134*	70	130
o-Xylene	1	25.4298	0	20	127	70	130
trans-1,4-Dichloro-2-butene	1	23.6702	0	20	118	50	150
1,3-Dichlorobenzene	1	22.8157	0	20	114	70	130
1,4-Dichlorobenzene	1	24.1103	0	20	121	70	130
1,2-Dichlorobenzene	1	24.3934	0	20	122	70	130
Isopropylbenzene	1	25.4225	0	20	127	70	130
Cyclohexanone	1	122.8454	0	100	123	50	150
Camphene	1	24.4557	0	20	122	70	130
1,2,3-Trichloropropane	1	24.6067	0	20	123	70	130
2-Chlorotoluene	1	24.3377	0	20	122	70	130
p-Ethyltoluene	1	26.0166	0	20	130	70	130
4-Chlorotoluene	1	24.5645	0	20	123	70	130
n-Propylbenzene	1	26.1846	0	20	131*	70	130
Bromobenzene	1	26.1338	0	20	131*	70	130
1,3,5-Trimethylbenzene	1	22.3736	0	20	112	70	130
Butyl methacrylate	1	25.2298	0	20	126	70	130
t-Butylbenzene	1	24.0902	0	20	120	70	130
1,2,4-Trimethylbenzene	1	23.9266	0	20	120	70	130
sec-Butylbenzene	1	23.9805	0	20	120	70	130
4-Isopropyltoluene	1	23.9915	0	20	120	70	130
n-Butylbenzene	1	25.0875	0	20	125	70	130
p-Diethylbenzene	1	24.3584	0	20	122	70	130
1,2,4,5-Tetramethylbenzene	1	22.6938	0	20	113	70	130
1,2-Dibromo-3-Chloropropane	1	20.7211	0	20	104	50	150
Camphor	1	164.752	0	200	82	20	150
Hexachlorobutadiene	1	26.2747	0	20	131	50	150
1,2,4-Trichlorobenzene	1	27.5345	0	20	138*	70	130
1,2,3-Trichlorobenzene	1	33.0106	0	20	165*	70	130
Naphthalene	1	32.7872	0	20	164*	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93449

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91528.D	AD23438-009(MSD)	5/21/2021 6:41:00 PM
Non Spike(If applicable):	11M91511.D	AD23438-009	5/21/2021 12:31:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	26.6055	0	20	133	50	150
Dichlorodifluoromethane	**1**	**11.6206**	**0**	**20**	**58**	**50**	**150**
Chloromethane	**1**	**17.6623**	**0**	**20**	**88**	**50**	**150**
Bromomethane	**1**	**26.1262**	**1.5736**	**20**	**123**	**50**	**150**
Vinyl Chloride	**1**	**19.2288**	**0**	**20**	**96**	**50**	**150**
Chloroethane	**1**	**32.4423**	**0**	**20**	**162***	**50**	**150**
Trichlorofluoromethane	**1**	**22.6866**	**0**	**20**	**113**	**50**	**150**
Ethyl ether	1	28.301	0	20	142	50	150
Furan	1	24.6937	0	20	123	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	**1**	**25.551**	**0**	**20**	**128**	**50**	**150**
Methylene Chloride	**1**	**27.0958**	**0**	**20**	**135***	**70**	**130**
Acrolein	1	142.3215	0	100	142	50	150
Acrylonitrile	1	37.5225	0	20	188*	50	150
Iodomethane	1	19.2422	0	20	96	50	150
Acetone	**1**	**190.4968**	**0**	**100**	**190***	**50**	**150**
Carbon Disulfide	**1**	**20.7353**	**0**	**20**	**104**	**50**	**150**
t-Butyl Alcohol	1	91.5091	5.3832	100	86	50	150
n-Hexane	1	27.9956	0	20	140*	70	130
Di-isopropyl-ether	1	32.1335	0	20	161*	70	130
1,1-Dichloroethene	**1**	**23.568**	**0**	**20**	**118**	**70**	**130**
Methyl Acetate	**1**	**41.2185**	**1.3963**	**20**	**199***	**50**	**150**
Methyl-t-butyl ether	**1**	**34.6628**	**0**	**20**	**173***	**70**	**130**
1,1-Dichloroethane	**1**	**24.782**	**0**	**20**	**124**	**70**	**130**
trans-1,2-Dichloroethene	**1**	**24.719**	**0**	**20**	**124**	**70**	**130**
Ethyl-t-butyl ether	1	27.2212	0	20	136*	70	130
cis-1,2-Dichloroethene	**1**	**25.8352**	**0**	**20**	**129**	**70**	**130**
Bromochloromethane	**1**	**27.4104**	**0**	**20**	**137***	**70**	**130**
2,2-Dichloropropane	1	24.4298	0	20	122	70	130
Ethyl acetate	1	27.8794	0	20	139	50	150
1,4-Dioxane	**1**	**940.946**	**0**	**1000**	**94**	**50**	**150**
1,1-Dichloropropene	1	24.7617	0	20	124	70	130
Chloroform	**1**	**25.6231**	**0**	**20**	**128**	**70**	**130**
Cyclohexane	**1**	**27.8829**	**0**	**20**	**139***	**70**	**130**
1,2-Dichloroethane	**1**	**23.764**	**1.377**	**20**	**112**	**70**	**130**
2-Butanone	**1**	**25.4477**	**0**	**20**	**127**	**50**	**150**
1,1,1-Trichloroethane	**1**	**24.967**	**0**	**20**	**125**	**70**	**130**
Carbon Tetrachloride	**1**	**22.806**	**0**	**20**	**114**	**50**	**150**
Vinyl Acetate	1	20.3034	0	20	102	50	150
Bromodichloromethane	**1**	**26.19**	**0**	**20**	**131***	**70**	**130**
Methylcyclohexane	**1**	**26.327**	**0**	**20**	**132***	**70**	**130**
Dibromomethane	1	25.6954	0	20	128	70	130
1,2-Dichloropropane	**1**	**27.394**	**0**	**20**	**137***	**70**	**130**
Trichloroethene	**1**	**25.7623**	**0**	**20**	**129**	**70**	**130**
Benzene	**1**	**25.3019**	**0**	**20**	**127**	**70**	**130**
tert-Amyl methyl ether	1	25.841	0	20	129	70	130
Iso-propylacetate	1	25.2469	0	20	126	70	130
Methyl methacrylate	1	22.5315	0	20	113	70	130
Dibromochloromethane	**1**	**23.7418**	**0**	**20**	**119**	**70**	**130**
2-Chloroethylvinylether	1	7.9165	0	20	40*	70	130
cis-1,3-Dichloropropene	**1**	**26.5511**	**0**	**20**	**133***	**70**	**130**
trans-1,3-Dichloropropene	**1**	**26.0426**	**1.3452**	**20**	**123**	**70**	**130**
Ethyl methacrylate	1	24.1798	0	20	121	70	130
1,1,2-Trichloroethane	**1**	**25.9678**	**0**	**20**	**130**	**70**	**130**
1,2-Dibromoethane	**1**	**26.8315**	**0**	**20**	**134***	**70**	**130**
1,3-Dichloropropane	1	25.5803	0	20	128	70	130
4-Methyl-2-Pentanone	**1**	**25.8952**	**0**	**20**	**129**	**50**	**150**
2-Hexanone	**1**	**22.5533**	**0**	**20**	**113**	**50**	**150**
Tetrachloroethene	**1**	**22.9343**	**0**	**20**	**115**	**50**	**150**
Toluene	**1**	**25.3525**	**0**	**20**	**127**	**70**	**130**
1,1,1,2-Tetrachloroethane	1	22.6062	0	20	113	70	130
Chlorobenzene	**1**	**25.4765**	**0**	**20**	**127**	**70**	**130**

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93449

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	24.7624	0	20	124	70	130
n-Amyl acetate	1	21.044	0	20	105	70	130
Bromoform	1	23.9046	0	20	120	70	130
Ethylbenzene	1	21.3284	0	20	107	70	130
1,1,2,2-Tetrachloroethane	1	25.153	0	20	126	70	130
Styrene	1	23.2517	0	20	116	70	130
m&p-Xylenes	1	52.0649	0	40	130	70	130
o-Xylene	1	23.111	0	20	116	70	130
trans-1,4-Dichloro-2-butene	1	22.5898	0	20	113	50	150
1,3-Dichlorobenzene	1	24.5028	0	20	123	70	130
1,4-Dichlorobenzene	1	24.9228	0	20	125	70	130
1,2-Dichlorobenzene	1	26.6706	0	20	133*	70	130
Isopropylbenzene	1	24.2578	0	20	121	70	130
Cyclohexanone	1	153.901	0	100	154*	50	150
Camphene	1	24.2172	0	20	121	70	130
1,2,3-Trichloropropane	1	24.0935	0	20	120	70	130
2-Chlorotoluene	1	23.7747	0	20	119	70	130
p-Ethyltoluene	1	24.6866	0	20	123	70	130
4-Chlorotoluene	1	24.0175	0	20	120	70	130
n-Propylbenzene	1	25.3096	0	20	127	70	130
Bromobenzene	1	24.4692	0	20	122	70	130
1,3,5-Trimethylbenzene	1	20.911	0	20	105	70	130
Butyl methacrylate	1	23.8998	0	20	119	70	130
t-Butylbenzene	1	24.146	0	20	121	70	130
1,2,4-Trimethylbenzene	1	24.6818	0	20	123	70	130
sec-Butylbenzene	1	25.9702	0	20	130	70	130
4-Isopropyltoluene	1	25.6494	0	20	128	70	130
n-Butylbenzene	1	26.3201	0	20	132*	70	130
p-Diethylbenzene	1	25.6183	0	20	128	70	130
1,2,4,5-Tetramethylbenzene	1	28.7749	0	20	144*	70	130
1,2-Dibromo-3-Chloropropane	1	26.3667	0	20	132	50	150
Camphor	1	211.9075	0	200	106	20	150
Hexachlorobutadiene	1	28.6765	0	20	143	50	150
1,2,4-Trichlorobenzene	1	31.9128	0	20	160*	70	130
1,2,3-Trichlorobenzene	1	39.8626	0	20	199*	70	130
Naphthalene	1	39.1472	0	20	196*	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS93449

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91528.D	AD23438-009(MSD)	5/21/2021 6:41:00 PM
Duplicate(If applicable):	11M91527.D	AD23438-009(MS)	5/21/2021 6:20:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	26.6055	26.2968	1.2	30
Dichlorodifluoromethane	**1**	**11.6206**	**11.7125**	**0.79**	**30**
Chloromethane	**1**	**17.6623**	**17.3847**	**1.6**	**30**
Bromomethane	**1**	**26.1262**	**20.0152**	**26**	**30**
Vinyl Chloride	**1**	**19.2288**	**18.6038**	**3.3**	**40**
Chloroethane	**1**	**32.4423**	**25.2107**	**25**	**30**
Trichlorofluoromethane	**1**	**22.6866**	**22.1449**	**2.4**	**30**
Ethyl ether	1	28.301	27.2978	3.6	30
Furan	1	24.6937	22.8318	7.8	30
1,1,2-Trichloro-1,2,2-trifluoroethane	**1**	**25.551**	**25.2244**	**1.3**	**30**
Methylene Chloride	**1**	**27.0958**	**25.2493**	**7.1**	**30**
Acrolein	1	142.3215	127.9132	11	30
Acrylonitrile	1	37.5225	35.6414	5.1	30
Iodomethane	1	19.2422	16.4814	15	30
Acetone	**1**	**190.4968**	**165.7924**	**14**	**30**
Carbon Disulfide	**1**	**20.7353**	**20.2553**	**2.3**	**30**
t-Butyl Alcohol	1	91.5091	77.4246	17	30
n-Hexane	1	27.9956	25.4487	9.5	30
Di-isopropyl-ether	1	32.1335	31.1185	3.2	30
1,1-Dichloroethene	**1**	**23.568**	**22.8349**	**3.2**	**40**
Methyl Acetate	**1**	**41.2185**	**38.2228**	**7.5**	**30**
Methyl-t-butyl ether	**1**	**34.6628**	**32.2808**	**7.1**	**30**
1,1-Dichloroethane	**1**	**24.782**	**24.1321**	**2.7**	**40**
trans-1,2-Dichloroethene	**1**	**24.719**	**23.873**	**3.5**	**30**
Ethyl-t-butyl ether	1	27.2212	26.7554	1.7	30
cis-1,2-Dichloroethene	**1**	**25.8352**	**24.7832**	**4.2**	**30**
Bromochloromethane	**1**	**27.4104**	**26.3929**	**3.8**	**30**
2,2-Dichloropropane	1	24.4298	23.7328	2.9	30
Ethyl acetate	1	27.8794	26.4911	5.1	20
1,4-Dioxane	**1**	**940.946**	**586.5902**	**46***	**30**
1,1-Dichloropropene	1	24.7617	23.8816	3.6	30
Chloroform	**1**	**25.6231**	**24.8355**	**3.1**	**40**
Cyclohexane	**1**	**27.8829**	**26.7121**	**4.3**	**30**
1,2-Dichloroethane	**1**	**23.764**	**24.4226**	**2.7**	**40**
2-Butanone	**1**	**25.4477**	**22.7931**	**11**	**40**
1,1,1-Trichloroethane	**1**	**24.967**	**23.9102**	**4.3**	**30**
Carbon Tetrachloride	**1**	**22.806**	**21.9572**	**3.8**	**40**
Vinyl Acetate	1	20.3034	20.026	1.4	30
Bromodichloromethane	**1**	**26.19**	**25.0623**	**4.4**	**30**
Methylcyclohexane	**1**	**26.327**	**25.0503**	**5**	**30**
Dibromomethane	1	25.6954	24.411	5.1	30
1,2-Dichloropropane	**1**	**27.394**	**26.4711**	**3.4**	**30**
Trichloroethene	**1**	**25.7623**	**24.9192**	**3.3**	**40**
Benzene	**1**	**25.3019**	**24.9003**	**1.6**	**40**
tert-Amyl methyl ether	1	25.841	25.1063	2.9	30
Iso-propylacetate	1	25.2469	23.9704	5.2	30
Methyl methacrylate	1	22.5315	22.411	0.54	30
Dibromochloromethane	**1**	**23.7418**	**23.2974**	**1.9**	**30**
2-Chloroethylvinylether	1	7.9165	5.9661	28	30
cis-1,3-Dichloropropene	**1**	**26.5511**	**25.0514**	**5.8**	**30**
trans-1,3-Dichloropropene	**1**	**26.0426**	**24.3358**	**6.8**	**30**
Ethyl methacrylate	1	24.1798	22.5348	7	30
1,1,2-Trichloroethane	**1**	**25.9678**	**24.8777**	**4.3**	**30**
1,2-Dibromoethane	**1**	**26.8315**	**25.2042**	**6.3**	**30**
1,3-Dichloropropane	1	25.5803	24.798	3.1	30
4-Methyl-2-Pentanone	**1**	**25.8952**	**23.872**	**8.1**	**30**
2-Hexanone	**1**	**22.5533**	**20.9985**	**7.1**	**30**
Tetrachloroethene	**1**	**22.9343**	**21.8533**	**4.8**	**40**
Toluene	**1**	**25.3525**	**26.0243**	**2.6**	**40**
1,1,1,2-Tetrachloroethane	1	22.6062	22.4355	0.76	30
Chlorobenzene	**1**	**25.4765**	**24.7686**	**2.8**	**40**

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits

QC Batch: MBS93449

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Butyl acrylate	1	24.7624	26.1459	5.4	30
n-Amyl acetate	1	21.044	20.999	0.21	30
Bromoform	1	23.9046	24.3744	1.9	30
Ethylbenzene	1	21.3284	24.9536	16	30
1,1,2,2-Tetrachloroethane	1	25.153	26.5762	5.5	30
Styrene	1	23.2517	24.6453	5.8	30
m&p-Xylenes	1	52.0649	53.7639	3.2	30
o-Xylene	1	23.111	25.4298	9.6	30
trans-1,4-Dichloro-2-butene	1	22.5898	23.6702	4.7	30
1,3-Dichlorobenzene	1	24.5028	22.8157	7.1	30
1,4-Dichlorobenzene	1	24.9228	24.1103	3.3	40
1,2-Dichlorobenzene	1	26.6706	24.3934	8.9	40
Isopropylbenzene	1	24.2578	25.4225	4.7	30
Cyclohexanone	1	153.901	122.8454	22	30
Camphene	1	24.2172	24.4557	0.98	30
1,2,3-Trichloropropane	1	24.0935	24.6067	2.1	30
2-Chlorotoluene	1	23.7747	24.3377	2.3	30
p-Ethyltoluene	1	24.6866	26.0166	5.2	30
4-Chlorotoluene	1	24.0175	24.5645	2.3	30
n-Propylbenzene	1	25.3096	26.1846	3.4	40
Bromobenzene	1	24.4692	26.1338	6.6	30
1,3,5-Trimethylbenzene	1	20.911	22.3736	6.8	30
Butyl methacrylate	1	23.8998	25.2298	5.4	30
t-Butylbenzene	1	24.146	24.0902	0.23	30
1,2,4-Trimethylbenzene	1	24.6818	23.9266	3.1	30
sec-Butylbenzene	1	25.9702	23.9805	8	40
4-Isopropyltoluene	1	25.6494	23.9915	6.7	30
n-Butylbenzene	1	26.3201	25.0875	4.8	30
p-Diethylbenzene	1	25.6183	24.3584	5	30
1,2,4,5-Tetramethylbenzene	1	28.7749	22.6938	24	30
1,2-Dibromo-3-Chloropropane	1	26.3667	20.7211	24	30
Camphor	1	211.9075	164.752	25	30
Hexachlorobutadiene	1	28.6765	26.2747	8.7	30
1,2,4-Trichlorobenzene	1	31.9128	27.5345	15	30
1,2,3-Trichlorobenzene	1	39.8626	33.0106	19	30
Naphthalene	1	39.1472	32.7872	18	30

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 8M546835.D
Matrix: Soil

Blank Analysis Date: 05/14/21 21:35
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260D

Sample Number	Data File	Analysis Date
AD23360-010	8M546850.D	05/15/21 02:20
AD23360-011	8M546851.D	05/15/21 02:39
MBS92593	8M546837.D	05/14/21 22:13
AD23353-009(MS)	8M546838.D	05/14/21 22:32
AD23353-009(MSD	8M546839.D	05/14/21 22:51
AD23353-009	8M546842.D	05/14/21 23:48

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 8M546880.D
Matrix: Soil

Blank Analysis Date: 05/17/21 09:39
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260D

Sample Number	Data File	Analysis Date
AD23360-002	8M546892.D	05/17/21 13:27
AD23360-003	8M546893.D	05/17/21 13:46
AD23360-006	8M546895.D	05/17/21 14:24
AD23360-007	8M546894.D	05/17/21 14:05
AD23360-008	8M546902.D	05/17/21 16:37
AD23360-009	8M546903.D	05/17/21 16:56
AD23360-013	8M546906.D	05/17/21 17:53
AD23360-014	8M546904.D	05/17/21 17:15
AD23327-003	8M546881.D	05/17/21 09:58
MBS92595	8M546883.D	05/17/21 10:36
AD23327-003(MS)	8M546886.D	05/17/21 11:33
AD23327-003(MSD	8M546889.D	05/17/21 12:30

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 11M91238.D
Matrix: Methanol

Blank Analysis Date: 05/17/21 10:00
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260D

Sample Number	Data File	Analysis Date
AD23360-004	11M91259.D	05/17/21 17:32
AD23360-005	11M91260.D	05/17/21 17:53
AD23360-012	11M91255.D	05/17/21 16:06
AD23360-015	11M91262.D	05/17/21 18:36
AD23406-005(MSD	11M91257.D	05/17/21 16:49
AD23406-005(MS)	11M91256.D	05/17/21 16:27
AD23406-005	11M91248.D	05/17/21 13:35
MBS92597	11M91244.D	05/17/21 12:09

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 11M91507.D
Matrix: Methanol

Blank Analysis Date: 05/21/21 11:05
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260D

Sample Number	Data File	Analysis Date
AD23360-001	11M91512.D	05/21/21 12:53
MBS93449	11M91519.D	05/21/21 15:28
AD23438-009(MS)	11M91527.D	05/21/21 18:20
AD23438-009	11M91511.D	05/21/21 12:31
AD23438-009(MSD	11M91528.D	05/21/21 18:41

Form 5

Tune Name: BFB TUNE **Data File:** 11M90040.D
Instrument: GCMS 11 **Analysis Date:** 04/08/21 14:04
Method: EPA 8260D
Tune Scan/Time Range: Average of 7.144 to 7.151 min

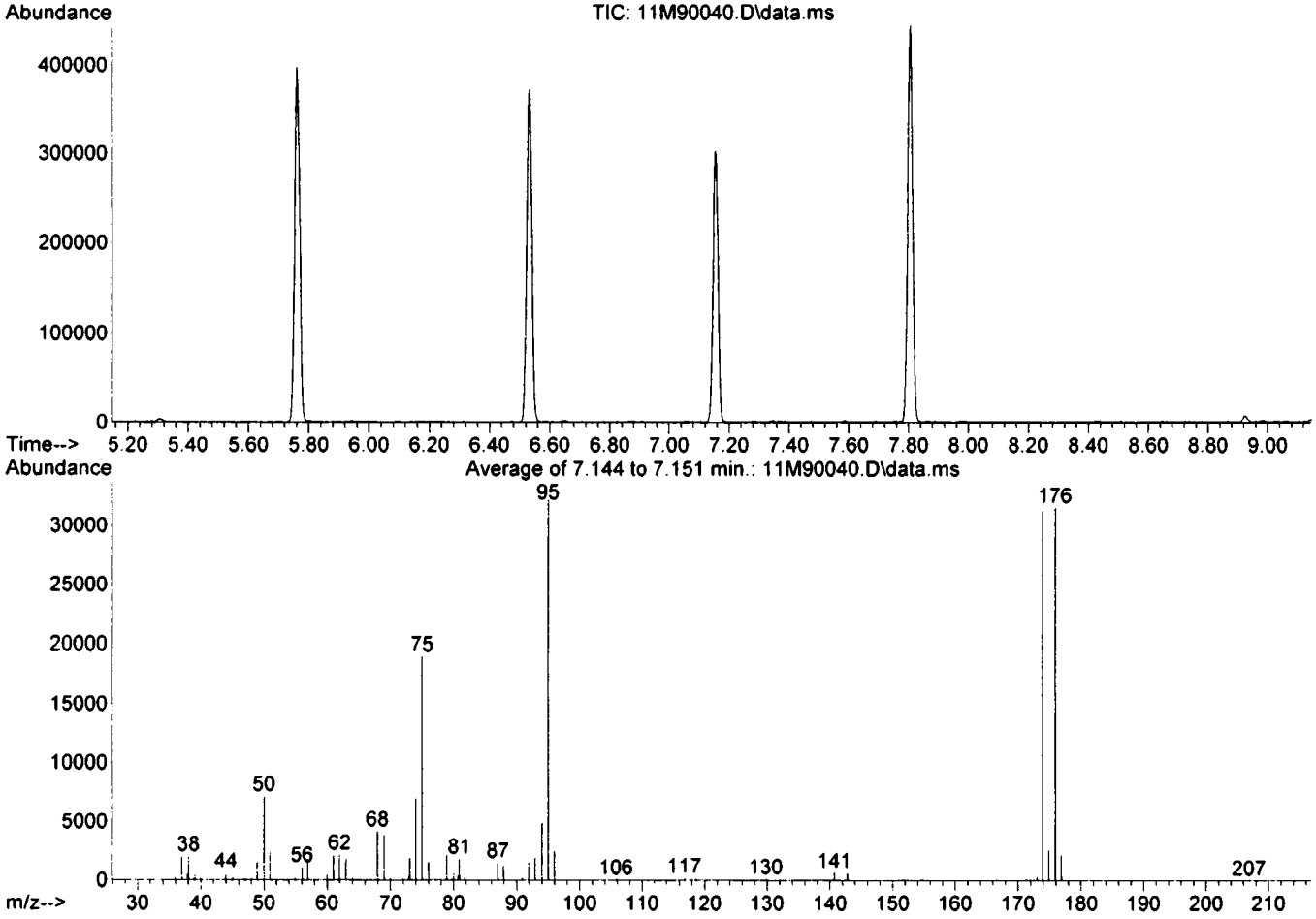
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	22.3	7201	PASS
75	95	30	60	59.0	19003	PASS
95	95	100	100	100.0	32229	PASS
96	95	5	9	7.8	2501	PASS
173	174	0.00	2	1.0	313	PASS
174	95	50	100	97.2	31320	PASS
175	174	5	9	8.4	2635	PASS
176	174	95	101	100.9	31613	PASS
177	176	5	9	7.0	2223	PASS

Data File	Sample Number	Analysis Date:
11M90042.D	CAL @ 0.5 PPB	04/08/21 14:37
11M90043.D	CAL @ 1 PPB	04/08/21 14:58
11M90044.D	CAL @ 5 PPB	04/08/21 15:18
11M90045.D	CAL @ 10 PPB	04/08/21 15:38
11M90046.D	CAL @ 20 PPB	04/08/21 15:58
11M90047.D	CAL @ 50 PPB	04/08/21 16:19
11M90048.D	CAL @ 500 PPB	04/08/21 16:39
11M90051.D	CAL @ 250 PPB	04/08/21 17:39
11M90054.D	CAL @ 100 PPB	04/08/21 18:39
11M90058.D	ICV	04/08/21 20:21
11M90060.D	BLK	04/08/21 21:01
11M90061.D	BLK	04/08/21 21:21
11M90063.D	DAILY BLANK	04/08/21 22:01
11M90064.D	DAILY BLANK	04/08/21 22:21
11M90065.D	MDL @ 1 PPB	04/08/21 22:42
11M90066.D	MDL @ 1 PPB	04/08/21 23:02

Data Path : G:\GcMsData\2021\GCMS_11\Data\04-08-21\
Data File : 11M90040.D
Acq On : 8 Apr 2021 14:04
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 4 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2021\GCMS_11\MethodQt\11M_A0211.M
Title : @GCMS_11,ug,624,8260
Last Update : Thu Feb 11 15:00:31 2021



Spectrum Information: Average of 7.144 to 7.151 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.3	7201	PASS
75	95	30	60	59.0	19003	PASS
95	95	100	100	100.0	32229	PASS
96	95	5	9	7.8	2501	PASS
173	174	0.00	2	1.0	313	PASS
174	95	50	100	97.2	31320	PASS
175	174	5	9	8.4	2635	PASS
176	174	95	101	100.9	31613	PASS
177	176	5	9	7.0	2223	PASS

Form 5

Tune Name: BFB TUNE **Data File:** 8M545252.D
Instrument: GCMS 8 **Analysis Date:** 04/09/21 07:54
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.365 to 7.378 min

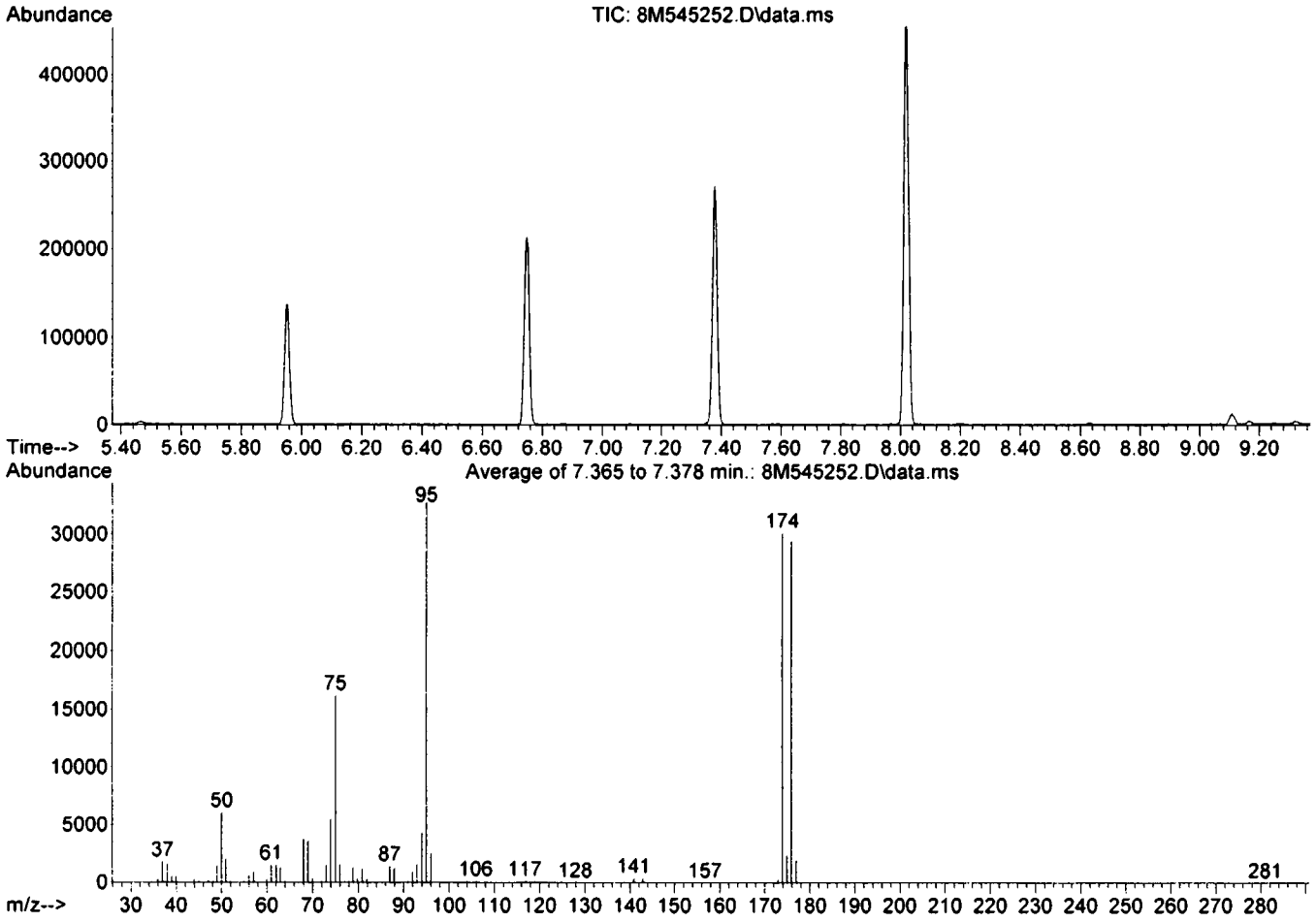
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	18.7	6124	PASS
75	95	30	60	49.6	16258	PASS
95	95	100	100	100.0	32804	PASS
96	95	5	9	7.9	2603	PASS
173	174	0.00	2	1.0	302	PASS
174	95	50	100	92.1	30200	PASS
175	174	5	9	7.9	2384	PASS
176	174	95	101	97.6	29488	PASS
177	176	5	9	6.8	2006	PASS

Data File	Sample Number	Analysis Date:
8M545253.D	BLK	04/09/21 08:09
8M545255.D	CAL @ 0.5 PPB	04/09/21 08:47
8M545256.D	CAL @ 1 PPB	04/09/21 09:06
8M545257.D	CAL @ 2 PPB	04/09/21 09:25
8M545258.D	CAL @ 5 PPB	04/09/21 09:44
8M545259.D	CAL @ 20 PPB	04/09/21 10:03
8M545260.D	CAL @ 50 PPB	04/09/21 10:22
8M545261.D	CAL @ 500 PPB	04/09/21 10:41
8M545263.D	CAL @ 250 PPB	04/09/21 11:19
8M545265.D	CAL @ 100 PPB	04/09/21 11:57
8M545269.D	100 PPB	04/09/21 13:13
8M545271.D	STD	04/09/21 13:51
8M545273.D	ICV	04/09/21 14:29
8M545274.D	STD	04/09/21 14:48
8M545275.D	BLK	04/09/21 15:06
8M545276.D	BLK	04/09/21 15:25
8M545277.D	DAILY BLANK	04/09/21 15:44
8M545278.D	MDL @ 1 PPB	04/09/21 16:03
8M545279.D	2 PPB	04/09/21 16:22
8M545280.D	MBS92112	04/09/21 16:41
8M545281.D	AD22712-001	04/09/21 17:00
8M545282.D	AD22628-002(MS)	04/09/21 17:19
8M545283.D	AD22628-002(MSD	04/09/21 17:38
8M545284.D	AD22628-002	04/09/21 17:57
8M545285.D	AD22307-004	04/09/21 18:16
8M545286.D	AD22307-009	04/09/21 18:35
8M545287.D	AD22307-014	04/09/21 18:54
8M545288.D	AD22730-002	04/09/21 19:13
8M545289.D	AD22691-001	04/09/21 19:32
8M545290.D	BLK	04/09/21 19:51
8M545291.D	BLK	04/09/21 20:10
8M545292.D	BLK	04/09/21 20:29
8M545293.D	BLK	04/09/21 20:48
8M545294.D	BLK-4	04/09/21 21:07
8M545295.D	BLK-DI	04/09/21 21:26

Data Path : G:\GcMsData\2021\GCMS_8\Data\04-09-21\
Data File : 8M545252.D
Acq On : 09 Apr 2021 07:54
Operator : SG
Sample : BFB TUNE
Misc : S,5G
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2021\GCMS_8\MethodQt\8M_S0409.M
Title : @GCMS_8,ug,624,8260
Last Update : Mon Apr 12 13:19:05 2021



Spectrum Information: Average of 7.365 to 7.378 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.7	6124	PASS
75	95	30	60	49.6	16258	PASS
95	95	100	100	100.0	32804	PASS
96	95	5	9	7.9	2603	PASS
173	174	0.00	2	1.0	302	PASS
174	95	50	100	92.1	30200	PASS
175	174	5	9	7.9	2384	PASS
176	174	95	101	97.6	29488	PASS
177	176	5	9	6.8	2006	PASS

PR

Form 5

Tune Name: BFB TUNE **Data File:** 8M546832.D
Instrument: GCMS 8 **Analysis Date:** 05/14/21 20:42
Method: EPA 8260D
Tune Scan/Time Range: Average of 7.355 to 7.388 min

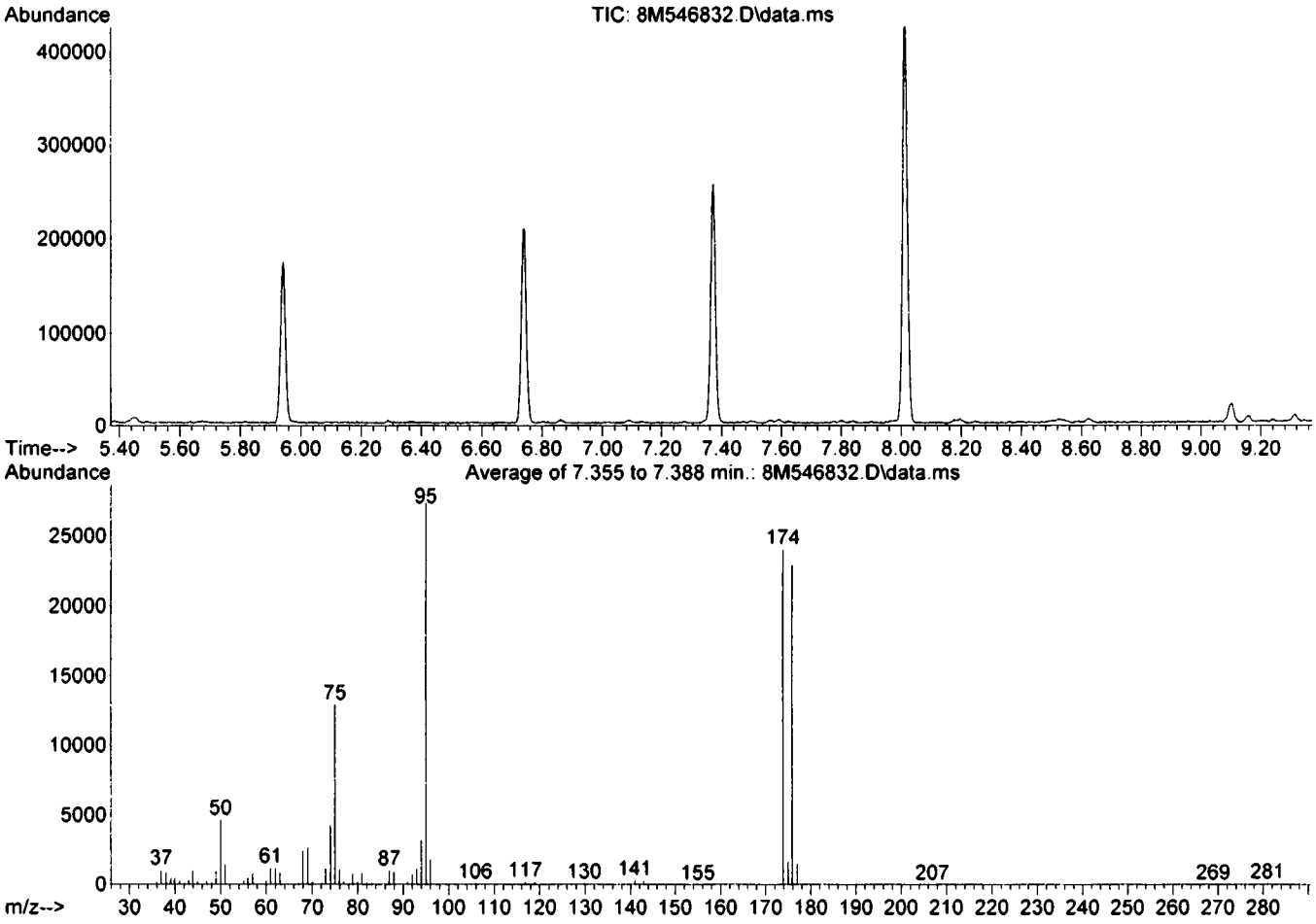
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	17.2	4693	PASS
75	95	30	60	47.4	12956	PASS
95	95	100	100	100.0	27341	PASS
96	95	5	9	6.8	1860	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	88.0	24058	PASS
175	174	5	9	7.0	1676	PASS
176	174	95	101	95.3	22918	PASS
177	176	5	9	6.8	1548	PASS

Data File	Sample Number	Analysis Date:
8M546833.D	CAL @ 50 PPB	05/14/21 20:57
8M546834.D	BLK	05/14/21 21:16
8M546835.D	DAILY BLANK	05/14/21 21:35
8M546836.D	BLK	05/14/21 21:54
8M546837.D	MBS92593	05/14/21 22:13
8M546838.D	AD23353-009(MS)	05/14/21 22:32
8M546839.D	AD23353-009(MSD	05/14/21 22:51
8M546840.D	BLK	05/14/21 23:10
8M546841.D	BLK	05/14/21 23:29
8M546842.D	AD23353-009	05/14/21 23:48
8M546843.D	AD23353-007	05/15/21 00:07
8M546844.D	AD23353-008	05/15/21 00:26
8M546845.D	AD23383-005	05/15/21 00:45
8M546846.D	AD23383-010	05/15/21 01:04
8M546847.D	AD23367-001	05/15/21 01:23
8M546848.D	AD23367-002	05/15/21 01:42
8M546849.D	AD23378-002	05/15/21 02:01
8M546850.D	AD23360-010	05/15/21 02:20
8M546851.D	AD23360-011	05/15/21 02:39
8M546852.D	AD23360-012	05/15/21 02:58
8M546853.D	BLK	05/15/21 03:17
8M546854.D	AD23397-001	05/15/21 03:36
8M546855.D	AD23397-002	05/15/21 03:55
8M546856.D	AD23397-003	05/15/21 04:14
8M546857.D	AD23397-004	05/15/21 04:33
8M546858.D	AD23397-005	05/15/21 04:52
8M546859.D	AD23371-002	05/15/21 05:11
8M546860.D	AD23371-004	05/15/21 05:30
8M546861.D	AD23371-001	05/15/21 05:49
8M546862.D	BLK	05/15/21 06:08
8M546863.D	AD23371-003	05/15/21 06:27
8M546864.D	MBS92594	05/15/21 06:46

Data Path : G:\GcMsData\2021\GCMS_8\Data\05-14-21\
Data File : 8M546832.D
Acq On : 14 May 2021 20:42
Operator : WP
Sample : BFB TUNE
Misc : S,5G
ALS Vial : 15 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2021\GCMS_8\MethodQt\8M_S0409.M
Title : @GCMS_8,ug,624,8260
Last Update : Mon Apr 12 13:19:05 2021



Spectrum Information: Average of 7.355 to 7.388 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.2	4693	PASS
75	95	30	60	47.4	12956	PASS
95	95	100	100	100.0	27341	PASS
96	95	5	9	6.8	1860	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	88.0	24058	PASS
175	174	5	9	7.0	1676	PASS
176	174	95	101	95.3	22918	PASS
177	176	5	9	6.8	1548	PASS

KR

Form 5

Tune Name: BFB TUNE **Data File:** 8M546874.D
Instrument: GCMS 8 **Analysis Date:** 05/17/21 07:49
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.368 to 7.384 min

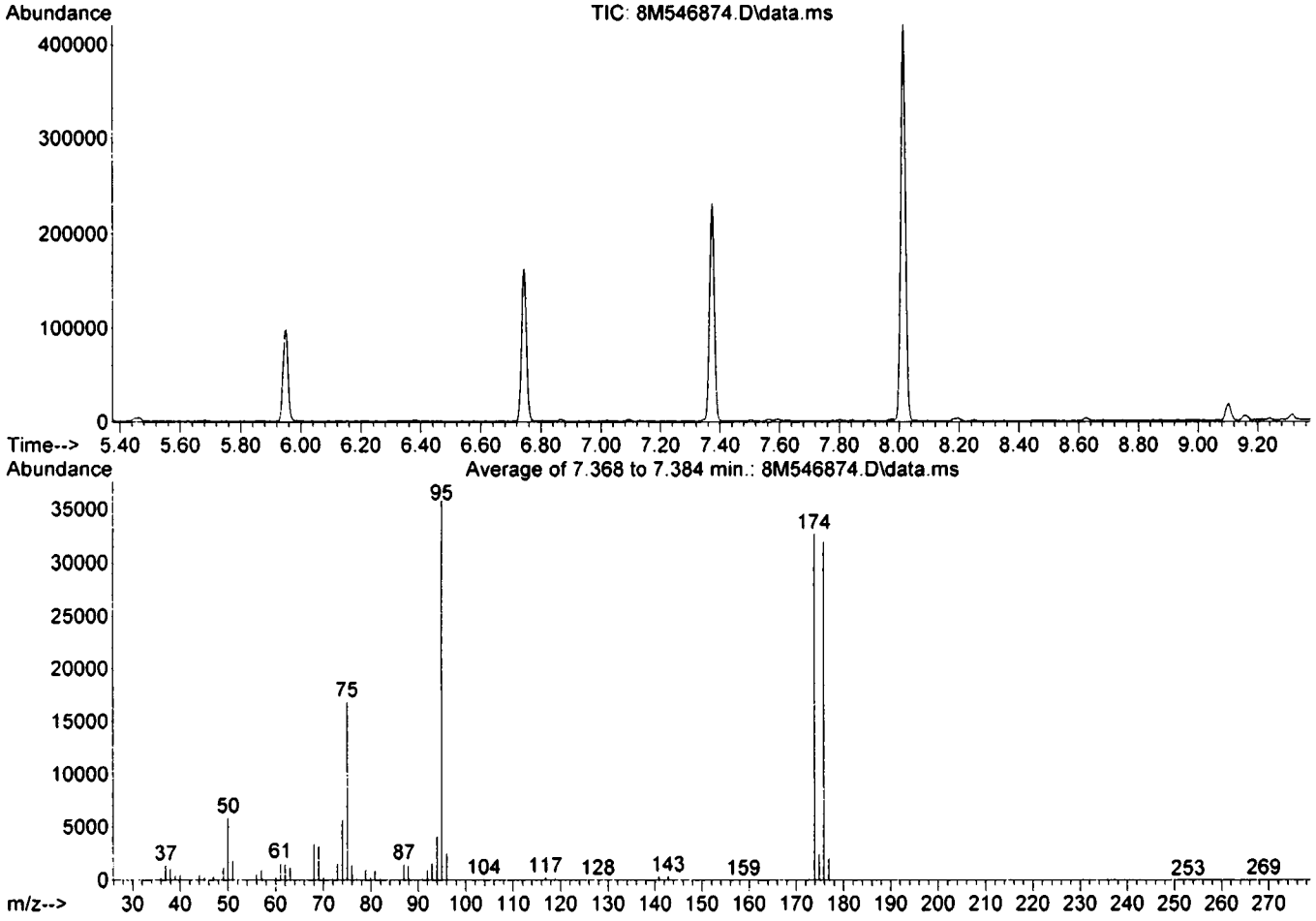
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	16.5	5933	PASS
75	95	30	60	47.2	16936	PASS
95	95	100	100	100.0	35868	PASS
96	95	5	9	7.0	2528	PASS
173	174	0.00	2	0.2	76	PASS
174	95	50	100	91.1	32683	PASS
175	174	5	9	7.5	2449	PASS
176	174	95	101	97.8	31972	PASS
177	176	5	9	6.4	2057	PASS

Data File	Sample Number	Analysis Date:
8M546876.D	CAL @ 50 PPB	05/17/21 08:24
8M546878.D	BLK-DI	05/17/21 09:01
8M546879.D	BLK	05/17/21 09:20
8M546880.D	DAILY BLANK	05/17/21 09:39
8M546881.D	AD23327-003	05/17/21 09:58
8M546882.D	AD23327-005	05/17/21 10:17
8M546883.D	MBS92595	05/17/21 10:36
8M546884.D	AD23401-005(5X)	05/17/21 10:55
8M546885.D	AD23401-013(5X)	05/17/21 11:14
8M546886.D	AD23327-003(MS)	05/17/21 11:33
8M546887.D	AD23401-013	05/17/21 11:52
8M546888.D	AD23401-005	05/17/21 12:11
8M546889.D	AD23327-003(MSD	05/17/21 12:30
8M546890.D	23327-003	05/17/21 12:49
8M546891.D	BLK	05/17/21 13:08
8M546892.D	AD23360-002	05/17/21 13:27
8M546893.D	AD23360-003	05/17/21 13:46
8M546894.D	AD23360-007	05/17/21 14:05
8M546895.D	AD23360-006	05/17/21 14:24
8M546896.D	BLK	05/17/21 14:43
8M546897.D	AD23356-004	05/17/21 15:02
8M546898.D	AD23356-009	05/17/21 15:21
8M546899.D	AD23383-010	05/17/21 15:40
8M546900.D	AD23383-005	05/17/21 15:59
8M546901.D	BLK	05/17/21 16:18
8M546902.D	AD23360-008	05/17/21 16:37
8M546903.D	AD23360-009	05/17/21 16:56
8M546904.D	AD23360-014	05/17/21 17:15
8M546905.D	AD23360-001	05/17/21 17:34
8M546906.D	AD23360-013	05/17/21 17:53
8M546907.D	AD23360-015	05/17/21 18:12
8M546908.D	AD23406-005	05/17/21 18:31
8M546909.D	AD23406-010	05/17/21 18:50
8M546910.D	MBS92602	05/17/21 19:09

Data Path : G:\GcMsData\2021\GCMS_8\Data\05-17-21\
Data File : 8M546874.D
Acq On : 17 May 2021 07:49
Operator : SG
Sample : BFB TUNE
Misc : S,5G
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2021\GCMS_8\MethodQt\8M_S0409.M
Title : @GCMS_8,ug,624,8260
Last Update : Mon Apr 12 13:19:05 2021



Spectrum Information: Average of 7.368 to 7.384 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.5	5933	PASS
75	95	30	60	47.2	16936	PASS
95	95	100	100	100.0	35868	PASS
96	95	5	9	7.0	2528	PASS
173	174	0.00	2	0.2	76	PASS
174	95	50	100	91.1	32683	PASS
175	174	5	9	7.5	2449	PASS
176	174	95	101	97.8	31972	PASS
177	176	5	9	6.4	2057	PASS

Form 5

Tune Name: BFB TUNE **Data File:** 11M91233.D
Instrument: GCMS 11 **Analysis Date:** 05/17/21 08:05
Method: EPA 8260D
Tune Scan/Time Range: Average of 7.148 to 7.160 min

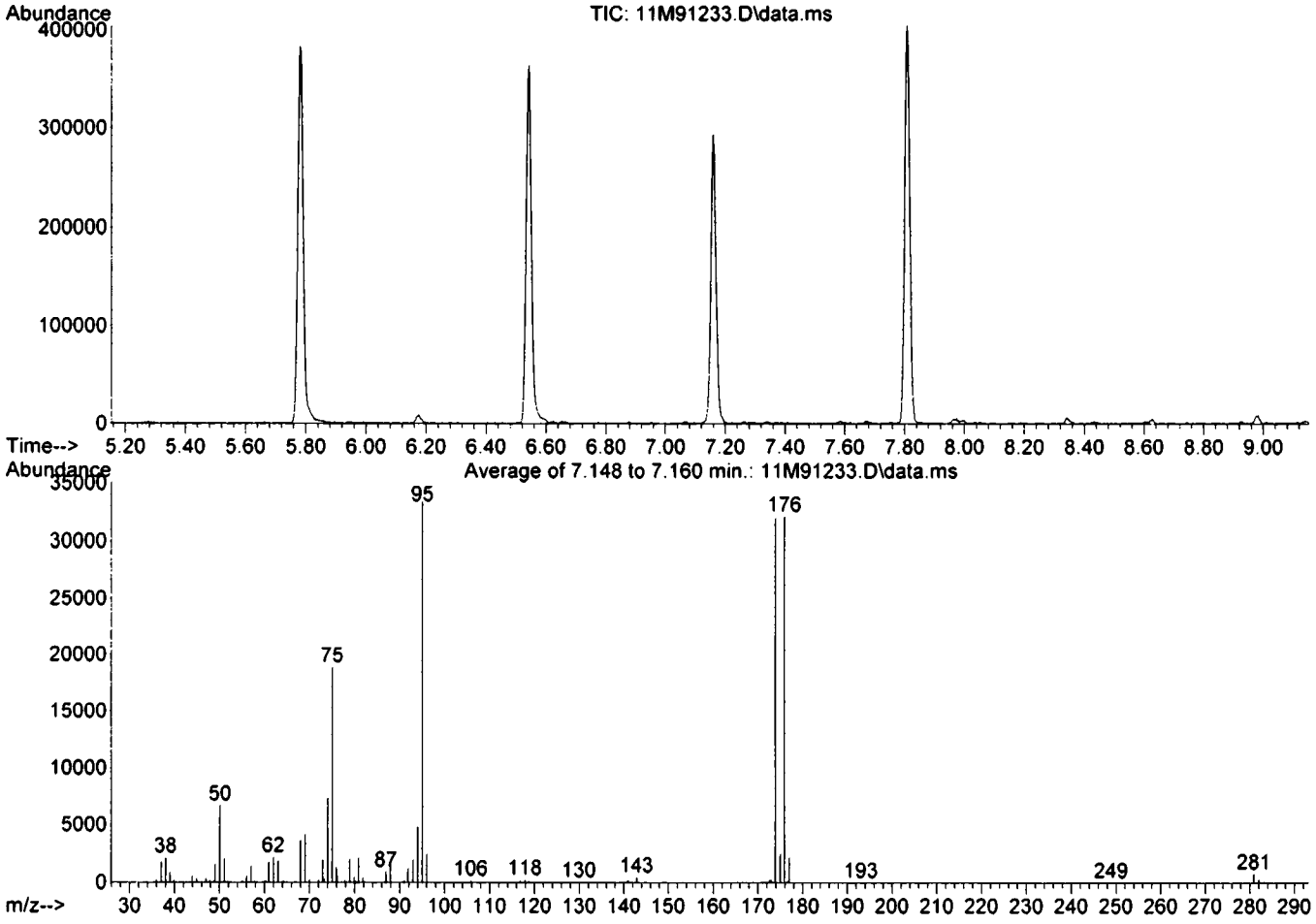
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.2	6747	PASS
75	95	30	60	56.7	18944	PASS
95	95	100	100	100.0	33419	PASS
96	95	5	9	7.3	2429	PASS
173	174	0.00	2	0.9	277	PASS
174	95	50	100	95.8	32002	PASS
175	174	5	9	7.9	2532	PASS
176	174	95	101	100.5	32171	PASS
177	176	5	9	6.7	2171	PASS

Data File	Sample Number	Analysis Date:
11M91234.D	20 PPB	05/17/21 08:26
11M91235.D	CAL @ 20 PPB	05/17/21 08:56
11M91236.D	BLK-DI	05/17/21 09:17
11M91237.D	BLK-2	05/17/21 09:39
11M91238.D	DAILY BLANK	05/17/21 10:00
11M91239.D	DAILY BLANK	05/17/21 10:22
11M91240.D	AD23380-002	05/17/21 10:43
11M91241.D	AD23374-003	05/17/21 11:05
11M91242.D	AD23374-001	05/17/21 11:26
11M91243.D	MBS92596	05/17/21 11:48
11M91244.D	MBS92597	05/17/21 12:09
11M91245.D	BLK	05/17/21 12:31
11M91246.D	AD23380-001	05/17/21 12:52
11M91247.D	AD23380-002(MS)	05/17/21 13:14
11M91248.D	AD23406-005	05/17/21 13:35
11M91249.D	AD23292-001	05/17/21 13:57
11M91250.D	AD23380-002(MSD	05/17/21 14:18
11M91251.D	BLK	05/17/21 14:40
11M91252.D	AD23371-003	05/17/21 15:01
11M91253.D	AD23371-004	05/17/21 15:23
11M91254.D	AD23371-001	05/17/21 15:45
11M91255.D	AD23360-012	05/17/21 16:06
11M91256.D	AD23406-005(MS)	05/17/21 16:27
11M91257.D	AD23406-005(MSD	05/17/21 16:49
11M91258.D	BLK	05/17/21 17:10
11M91259.D	AD23360-004	05/17/21 17:32
11M91260.D	AD23360-005	05/17/21 17:53
11M91261.D	AD23360-013	05/17/21 18:15
11M91262.D	AD23360-015	05/17/21 18:36
11M91263.D	AD23375-002(8uL)	05/17/21 18:58
11M91264.D	AD23375-003(8uL)	05/17/21 19:19
11M91265.D	AD23375-004(8uL)	05/17/21 19:41
11M91266.D	AD23375-005(8uL)	05/17/21 20:02
11M91267.D	AD23375-006(8uL)	05/17/21 20:24
11M91268.D	BLK	05/17/21 20:45

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-17-21\
Data File : 11M91233.D
Acq On : 17 May 2021 8:05
Operator : SG
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2021\GCMS_11\MethodQt\11M_A0408.M
Title : @GCMS_11,ug,624,8260
Last Update : Fri Apr 09 09:49:46 2021



Spectrum Information: Average of 7.148 to 7.160 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.2	6747	PASS
75	95	30	60	56.7	18944	PASS
95	95	100	100	100.0	33419	PASS
96	95	5	9	7.3	2429	PASS
173	174	0.00	2	0.9	277	PASS
174	95	50	100	95.8	32002	PASS
175	174	5	9	7.9	2532	PASS
176	174	95	101	100.5	32171	PASS
177	176	5	9	6.7	2171	PASS

Form 5

Tune Name: BFB TUNE **Data File:** 11M91501.D
Instrument: GCMS 11 **Analysis Date:** 05/21/21 09:06
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.147 to 7.154 min

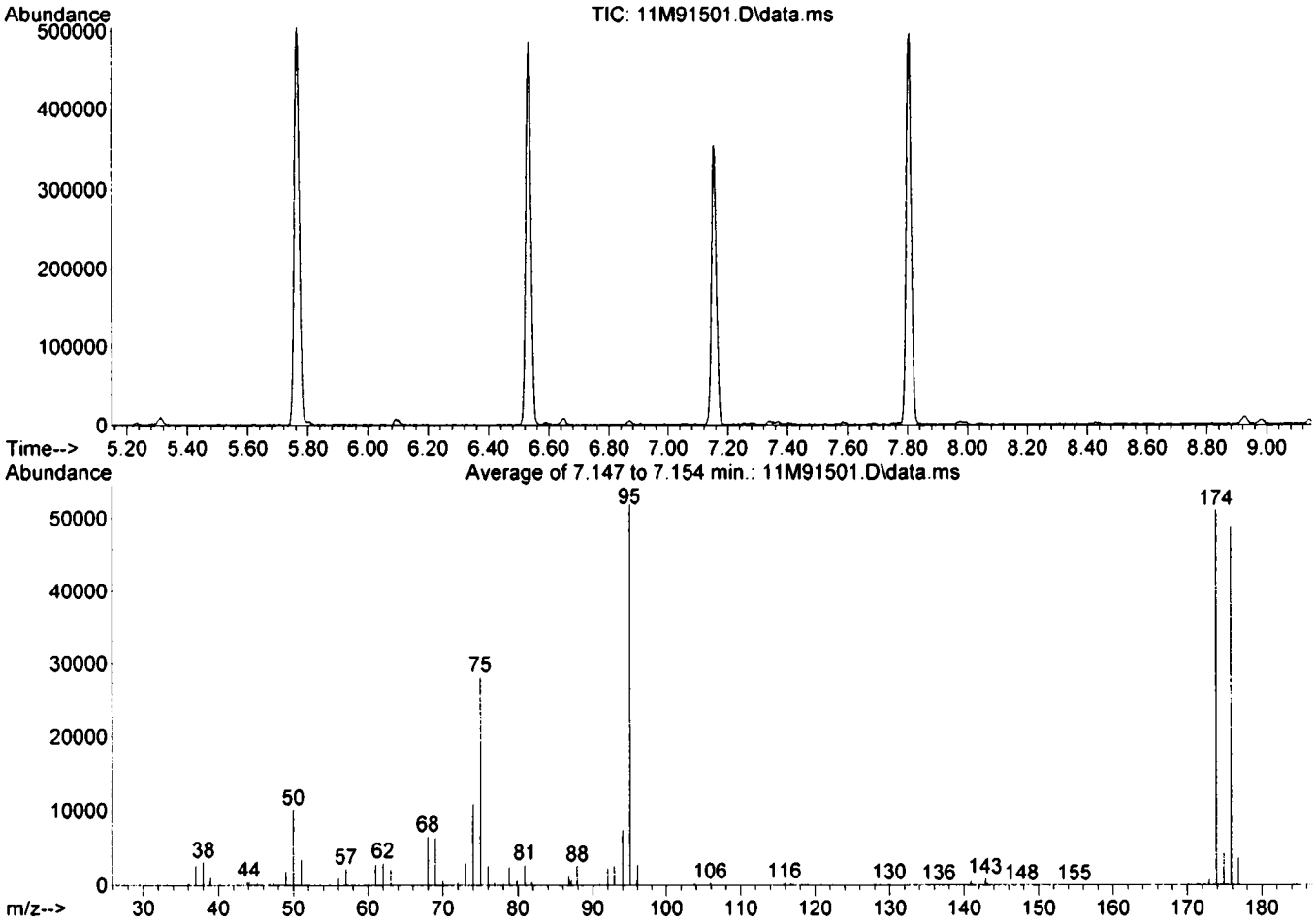
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	19.6	10196	PASS
75	95	30	60	54.5	28328	PASS
95	95	100	100	100.0	51960	PASS
96	95	5	9	5.5	2876	PASS
173	174	0.00	2	1.6	816	PASS
174	95	50	100	98.4	51112	PASS
175	174	5	9	8.4	4310	PASS
176	174	95	101	95.6	48851	PASS
177	176	5	9	7.6	3706	PASS

Data File	Sample Number	Analysis Date:
11M91503.D	CAL @ 20 PPB	05/21/21 09:40
11M91505.D	BLK	05/21/21 10:23
11M91506.D	BLK	05/21/21 10:44
11M91507.D	DAILY BLANK	05/21/21 11:05
11M91508.D	DAILY BLANK	05/21/21 11:27
11M91509.D	AD23405-001(5X)	05/21/21 11:48
11M91510.D	AD23506-001(20X)	05/21/21 12:10
11M91511.D	AD23438-009	05/21/21 12:31
11M91512.D	AD23360-001	05/21/21 12:53
11M91513.D	AD23375-010(8uL)	05/21/21 13:14
11M91514.D	MBS93445	05/21/21 13:35
11M91515.D	MBS93446	05/21/21 13:57
11M91516.D	MBS93447	05/21/21 14:23
11M91517.D	EF-3V-13600(0514	05/21/21 14:45
11M91518.D	MBS93448	05/21/21 15:06
11M91519.D	MBS93449	05/21/21 15:28
11M91520.D	EF-3V-13600(0515	05/21/21 15:49
11M91521.D	AD23400-002(T)	05/21/21 16:11
11M91522.D	AD23444-027(20X)	05/21/21 16:33
11M91523.D	AD23444-037(5X)	05/21/21 16:54
11M91524.D	AD23455-001	05/21/21 17:15
11M91525.D	AD23457-001(100X	05/21/21 17:37
11M91526.D	AD23457-002(100X	05/21/21 17:58
11M91527.D	AD23438-009(MS)	05/21/21 18:20
11M91528.D	AD23438-009(MSD	05/21/21 18:41
11M91529.D	AD23400-004(T:M	05/21/21 19:02
11M91530.D	AD23400-004(T:M	05/21/21 19:23
11M91531.D	BLK	05/21/21 19:45
11M91532.D	AD23444-037(5X)	05/21/21 20:06
11M91533.D	AD23457-002(200X	05/21/21 20:28

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-21-21\
Data File : 11M91501.D
Acq On : 21 May 2021 9:06
Operator : SG
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2021\GCMS_11\MethodQt\11M_A0408.M
Title : @GCMS_11,ug,624,8260
Last Update : Fri Apr 09 09:49:46 2021



Spectrum Information: Average of 7.147 to 7.154 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.6	10196	PASS
75	95	30	60	54.5	28328	PASS
95	95	100	100	100.0	51960	PASS
96	95	5	9	5.5	2876	PASS
173	174	0.00	2	1.6	816	PASS
174	95	50	100	98.4	51112	PASS
175	174	5	9	8.4	4310	PASS
176	174	95	101	95.6	48851	PASS
177	176	5	9	7.6	3706	PASS

PR

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Form 6
Initial Calibration

Method: EPA 8260D

Instrument: GCMS_11

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	11M90046.D	CAL @ 20 PPB	04/08/21 15:58	2	11M90044.D	CAL @ 5 PPB	04/08/21 15:18
3	11M90045.D	CAL @ 10 PPB	04/08/21 15:38	4	11M90047.D	CAL @ 50 PPB	04/08/21 16:19
5	11M90054.D	CAL @ 100 PPB	04/08/21 18:39	6	11M90051.D	CAL @ 250 PPB	04/08/21 17:39
7	11M90048.D	CAL @ 500 PPB	04/08/21 16:39	8	11M90043.D	CAL @ 1 PPB	04/08/21 14:58
9	11M90042.D	CAL @ 0.5 PPB	04/08/21 14:37				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	Avg	0.2337	0.2260	0.2298	0.2371	0.2349	0.2408	0.2438	0.2107	-----	0.232	1.67	1.00	1.00	4.5	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dichlorodifluorometha	1	0	Avg	0.1156	0.1169	0.1184	0.1204	0.1218	0.1257	0.1241	0.0951	-----	0.117	1.66	1.00	1.00	8.2	0.10 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloromethane	1	0	Avg	0.1487	0.1624	0.1504	0.1553	0.1564	0.1609	0.1431	0.1856	-----	0.158	1.84	0.997	1.00	8.2	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromomethane	1	0	Avg	0.2673	0.3248	0.3491	0.2891	0.3383	0.4844	0.3771	0.4126	-----	0.355	2.23	0.981	0.990	20	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Chloride	1	0	Avg	0.2441	0.2541	0.2694	0.2542	0.2521	0.2628	0.2477	0.2576	-----	0.255	1.94	0.999	1.00	3.2	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroethane	1	0	Avg	0.2037	0.2497	0.2474	0.2200	0.2170	0.2692	0.3581	0.2102	-----	0.247	2.32	0.983	1.00	20	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichlorofluoromethan	1	0	Avg	0.6446	0.7377	0.7180	0.6878	0.7076	0.7475	0.7785	0.6263	-----	0.706	2.54	0.999	1.00	7.3	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl ether	1	0	Avg	0.1282	0.1526	0.1446	0.1415	0.1484	0.1622	0.1645	0.1501	-----	0.149	2.77	1.00	1.00	7.8	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Furan	1	0	Avg	0.2224	0.2510	0.2580	0.2417	0.2495	0.2709	0.2771	0.2474	-----	0.252	2.81	1.00	1.00	6.8	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1,2-Trichloro-1,2,2-tr	1	0	Avg	0.1711	0.1813	0.1957	0.1808	0.1910	0.2135	0.2213	0.1748	-----	0.191	2.96	0.999	1.00	9.5	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylene Chloride	1	0	Avg	0.2095	0.2368	0.2294	0.2231	0.2269	0.2467	0.2501	0.2282	-----	0.231	3.36	1.00	1.00	5.6	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acrolein	1	0	Qua	0.0251	0.0267	0.0288	0.0292	0.0311	0.0361	0.0381	0.0174	-----	0.0291	2.88	0.998	1.00	22		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Acrylonitrile	1	0	Avg	0.0607	0.0646	0.0655	0.0649	0.0663	0.0710	0.0735	0.0573	-----	0.0655	3.56	1.00	1.00	7.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iodomethane	1	0	Qua	0.1546	0.0723	0.1277	0.2114	0.2484	0.3192	0.3305	0.0055	-----	0.184	3.11	0.998	0.999	63		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acetone	1	0	Avg	0.0477	0.0529	0.0568	0.0487	0.0510	0.0542	0.0563	0.0591	-----	0.0534	3.00	0.999	1.00	7.5	0.10 a	100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Carbon Disulfide	1	0	Avg	0.5175	0.5823	0.5719	0.5630	0.6016	0.6719	0.6845	0.6179	-----	0.601	3.17	0.999	1.00	9.3	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butyl Alcohol	1	0	Avg	0.0308	0.0328	0.0344	0.0341	0.0391	0.0439	0.0448	0.0312	-----	0.0364	3.42	0.999	1.00	15		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
n-Hexane	1	0	Avg	0.1368	0.1451	0.1427	0.1484	0.1596	0.1829	0.1828	0.1038	-----	0.150	3.80	0.999	0.999	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Di-isopropyl-ether	1	0	Avg	0.3265	0.3427	0.3652	0.3746	0.4081	0.4733	0.5055	0.3374	-----	0.392	3.94	0.998	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1-Dichloroethene	1	0	Avg	0.2636	0.2792	0.2804	0.2884	0.3053	0.3418	0.3557	0.2355	-----	0.294	2.97	0.999	1.00	14	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl Acetate	1	0	Avg	0.0974	0.1273	0.1147	0.1034	0.1048	0.1138	0.1155	0.1315	-----	0.114	3.27	1.00	1.00	10	0.10 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl-t-butyl ether	1	0	Avg	0.4416	0.4838	0.4834	0.5001	0.5305	0.6110	0.6512	0.4668	0.4269	0.511	3.58	0.998	1.00	15	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
1,1-Dichloroethane	1	0	Avg	0.3159	0.3452	0.3283	0.3460	0.3626	0.4043	0.4292	0.3707	-----	0.363	3.92	0.999	1.00	11	0.20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1,2-Dichloroethe	1	0	Avg	0.2121	0.2313	0.2511	0.2403	0.2573	0.2822	0.3039	0.2332	-----	0.251	3.59	0.998	1.00	12	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl-t-butyl ether	1	0	Avg	0.4697	0.4833	0.5008	0.5435	0.5926	0.6737	0.7114	0.4564	-----	0.554	4.19	0.999	1.00	17	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1,2-Dichloroethene	1	0	Avg	0.2948	0.3218	0.3242	0.3379	0.3603	0.4191	0.4575	0.3697	-----	0.361	4.30	0.997	1.00	15	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromochloromethane	1	0	Avg	0.1404	0.1551	0.1574	0.1513	0.1592	0.1668	0.1680	0.1583	-----	0.157	4.45	1.00	1.00	5.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2,2-Dichloropropane	1	0	Avg	0.2879	0.3143	0.3061	0.3184	0.3365	0.4044	0.4536	0.3107	-----	0.342	4.31	0.996	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl acetate	1	0	Avg	0.1913	0.2098	0.2130	0.2219	0.2251	0.2634	0.2651	0.2059	-----	0.224	4.32	0.999	0.999	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,4-Dioxane	1	0	Avg	0.0044	0.0046	0.0046	0.0049	0.0052	0.0061	0.0066	0.0041	-----	0.00510	5.33	0.998	1.00	17		1000.	250.0	500.0	2500.	5000.	12500	25000	50.00	
1,1-Dichloropropene	1	0	Avg	0.2853	0.3149	0.3116	0.3174	0.3441	0.3983	0.4294	0.2684	-----	0.334	4.69	0.998	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroform	1	0	Avg	0.3809	0.4271	0.4309	0.4328	0.4496	0.4931	0.5096	0.4258	-----	0.444	4.48	0.999	1.00	9.2	0.20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromofluoromethan	1	0	Avg	0.2874	0.2998	0.2898	0.2818	0.2839	0.2878	0.2783	0.2998	0.2981	0.290	4.58	-1	-1	2.7		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	0.1868	0.1980	0.2062	0.2069	0.2352	0.2603	0.2686	0.1720	-----	0.217	4.64	0.999	1.00	16	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dichloroethane-d4	1	0	Avg	0.1288	0.1280	0.1262	0.1243	0.1252	0.1279	0.1260	0.1326	0.1345	0.128	4.77	-1	-1	2.7		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1,2-Dichloroethane	1	0	Avg	0.2866	0.2939	0.3157	0.3266	0.3469	0.4106	0.5138	0.3660	0.3113	0.352	4.81	0.989	1.00	20	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
2-Butanone	1	0	Avg	0.0854	0.0862	0.1004	0.0866	0.0944	0.1068	0.1380	0.0871	-----	0.0982	4.30	0.987	1.00	18	0.10 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1,1-Trichloroethane	1	0	Avg	0.3639	0.3980	0.4052	0.4148	0.4378	0.4825	0.5001	0.3621	-----	0.421	4.60	0.999	1.00	12	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Carbon Tetrachloride	1	0	Avg	0.3258	0.3454	0.3517	0.3674	0.4025	0.4533	0.4978	0.2938	-----	0.380	4.70	0.997	1.00	18	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Acetate	1	0	Qua	0.4464	0.4614	0.4821	0.5379	0.6101	0.7242	0.7812	0.4117	-----	0.557	3.94	0.998	1.00	24		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromodichloromethan	1	0	Avg	0.3040	0.3358	0.3434	0.3501	0.3649	0.4073	0.4307	0.3213	-----	0.357	5.40	0.999	1.00	12	0.20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags

a - failed the min rf criteria

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 14.09

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

1051227 0140

Form 6
Initial Calibration

Method: EPA 8260D

Instrument: GCMS_11

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	11M90046.D	CAL @ 20 PPB	04/08/21 15:58	2	11M90044.D	CAL @ 5 PPB	04/08/21 15:18
3	11M90045.D	CAL @ 10 PPB	04/08/21 15:38	4	11M90047.D	CAL @ 50 PPB	04/08/21 16:19
5	11M90054.D	CAL @ 100 PPB	04/08/21 18:39	6	11M90051.D	CAL @ 250 PPB	04/08/21 17:39
7	11M90048.D	CAL @ 500 PPB	04/08/21 16:39	8	11M90043.D	CAL @ 1 PPB	04/08/21 14:58
9	11M90042.D	CAL @ 0.5 PPB	04/08/21 14:37				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Methylcyclohexane	1	0	Avg	0.2634	0.2783	0.2899	0.2910	0.3225	0.3698	0.4026	0.2286	-----	0.306	5.26	0.998	1.00	19	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromomethane	1	0	Avg	0.1750	0.1978	0.2034	0.1998	0.2194	0.2526	0.2790	0.2008	-----	0.216	5.34	0.997	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dichloropropane	1	0	Avg	0.1807	0.1913	0.1950	0.1987	0.2172	0.2455	0.2680	0.1912	-----	0.211	5.27	0.998	1.00	15	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichloroethene	1	0	Avg	0.2629	0.2978	0.2869	0.2950	0.3156	0.3413	0.3622	0.3054	-----	0.308	5.15	0.999	1.00	10	0.20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Benzene	1	0	Avg	0.8047	0.8900	0.9126	0.9192	1.0140	1.1883	1.3976	0.7931	0.8643	0.976	4.81	0.993	1.00	20	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
tert-Amyl methyl ether	1	0	Avg	0.5456	0.5973	0.5971	0.6350	0.7162	0.8117	0.8728	0.5243	-----	0.663	4.85	0.998	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iso-propylacetate	1	0	Qua	0.4011	0.4296	0.4234	0.4666	0.5040	0.5845	0.6994	0.3603	-----	0.484	4.80	0.993	1.00	23	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl methacrylate	1	0	Avg	0.1456	0.2025	0.2190	0.1801	0.2207	0.2415	0.1965	0.2000	-----	0.201	5.29	0.989	0.997	14	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromochloromethan	1	0	Avg	0.3033	0.3388	0.3426	0.3455	0.3666	0.3984	0.3985	0.2740	-----	0.346	6.23	1.00	1.00	12	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chloroethylvinylethe	1	0	Qua	0.0656	0.0630	0.0727	0.0749	0.0850	0.0899	0.0879	0.0336	-----	0.0716	5.54	1.00	1.00	26		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1,3-Dichloropropen	1	0	Avg	0.3622	0.3822	0.3915	0.4006	0.4151	0.4486	0.4473	0.3236	-----	0.396	5.63	1.00	1.00	11	0.20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1,3-Dichloroprop	1	0	Avg	0.3460	0.3647	0.3634	0.3917	0.4057	0.4455	0.4562	0.3352	-----	0.389	5.91	1.00	1.00	12	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl methacrylate	1	0	Avg	0.1652	0.1703	0.1841	0.1988	0.2205	0.2484	0.2614	0.1696	-----	0.202	5.93	0.999	1.00	18	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1,2-Trichloroethane	1	0	Avg	0.2599	0.2787	0.2723	0.2762	0.2877	0.3078	0.3104	0.2435	-----	0.280	6.01	1.00	1.00	8.1	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dibromoethane	1	0	Avg	0.2690	0.3011	0.2935	0.3033	0.3175	0.3362	0.3341	0.2735	-----	0.304	6.31	1.00	1.00	8.3	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3-Dichloropropane	1	0	Avg	0.3942	0.4217	0.4418	0.4362	0.4699	0.5246	0.5993	0.3784	-----	0.458	6.11	0.996	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Methyl-2-Pentanone	1	0	Avg	0.2210	0.2457	0.2335	0.2511	0.2708	0.2864	0.2820	0.2065	-----	0.250	5.69	1.00	1.00	12	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Hexanone	1	0	Qua	0.1595	0.1721	0.1799	0.1901	0.2088	0.2314	0.2605	0.1336	-----	0.192	6.12	0.997	1.00	21	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Tetrachloroethene	1	0	Avg	0.2427	0.2497	0.2715	0.2717	0.3016	0.3434	0.3980	0.2369	-----	0.289	6.11	0.995	1.00	19	0.20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Toluene-d8	1	0	Avg	1.2350	1.2391	1.2278	1.2309	1.1967	1.1699	1.0974	1.2188	1.1959	1.20	5.78	-1	-1	3.8		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	0.6540	0.6719	0.7135	0.7088	0.7520	0.8242	0.8461	0.6709	-----	0.730	5.82	0.999	1.00	9.8	0.40	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1,1,2-Tetrachloroeth	1	0	Avg	0.2625	0.2789	0.2895	0.2995	0.3238	0.3702	0.4319	0.2597	-----	0.315	6.59	0.994	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chlorobenzene	1	0	Avg	0.7479	0.7943	0.7962	0.8199	0.8633	0.9400	0.9716	0.8176	-----	0.844	6.56	0.999	1.00	9.1	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butyl acrylate	1	0	Avg	0.6849	0.6877	0.7031	0.8266	0.9163	1.0228	1.0379	0.6537	-----	0.817	6.79	0.999	1.00	19	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Amyl acetate	1	0	Qua	0.6108	0.6063	0.6277	0.7398	0.8178	0.9276	0.9521	0.5031	-----	0.723	6.91	0.999	1.00	23	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromoform	1	0	Avg	0.4072	0.4419	0.4549	0.4802	0.5032	0.5383	0.5390	0.4141	-----	0.472	7.00	1.00	1.00	11	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethylbenzene	1	0	Avg	0.6127	0.6985	0.6397	0.6404	0.7012	0.8290	1.0278	0.6132	-----	0.720	6.60	0.990	1.00	20	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1,2,2-Tetrachloroeth	1	0	Avg	0.6273	0.6952	0.7073	0.7224	0.7141	0.7665	0.7639	0.6716	-----	0.709	7.21	1.00	1.00	6.5	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromofluorobenzene	1	0	Avg	0.7894	0.8125	0.7989	0.7753	0.7823	0.7569	0.7030	0.8177	0.8119	0.783	7.16	-1	-1	4.6		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Qua	1.4307	1.5176	1.5423	1.6455	1.7737	2.0963	2.4024	1.3332	-----	1.72	6.87	0.995	1.00	21	0.30	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
m&p-Xylenes	1	0	Avg	0.8243	0.9300	0.9011	0.9622	1.0423	1.2012	-----	0.7580	0.7996	0.927	6.65	0.997	1.00	16	0.10	40.00	10.00	20.00	100.0	200.0	500.0		2.00	1.00
o-Xylene	1	0	Avg	0.8191	0.8940	0.9046	0.9538	1.0166	1.1752	1.4391	0.9359	-----	1.02	6.87	0.991	1.00	20	0.30	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1,4-Dichloro-2-b	1	0	Qua	0.2159	0.2199	0.2258	0.2551	0.2593	0.3060	0.3627	0.1710	-----	0.252	7.24	0.993	1.00	24		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3-Dichlorobenzene	1	0	Avg	1.0072	1.1161	1.0982	1.1324	1.2147	1.3484	1.4065	1.1442	-----	1.18	7.78	0.999	1.00	11	0.60	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,4-Dichlorobenzene	1	0	Avg	1.0328	1.1483	1.1305	1.1557	1.2266	1.3487	1.3887	1.1651	-----	1.20	7.82	0.999	1.00	9.8	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dichlorobenzene	1	0	Avg	0.9434	1.0158	1.0013	1.0725	1.1343	1.2429	1.2592	0.9455	-----	1.08	8.05	1.00	1.00	12	0.40	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Isopropylbenzene	1	0	Avg	2.0316	2.2652	2.2866	2.3395	2.5066	2.7044	2.6697	2.1102	-----	2.36	7.06	1.00	1.00	10	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	Avg	0.0207	0.0206	0.0216	0.0218	0.0226	0.0224	0.0202	0.0222	-----	0.0215	7.13	0.997	1.00	4.2		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Camphene	1	0	Avg	0.5114	0.4987	0.5454	0.5475	0.6090	0.6767	0.7407	0.4537	-----	0.573	7.23	0.998	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,3-Trichloropropane	1	0	Avg	0.7448	0.8207	0.8083	0.8571	0.9033	1.0401	1.1494	0.7331	-----	0.882	7.25	0.997	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chlorotoluene	1	0	Avg	1.1434	1.1514	1.1994	1.2780	1.4039	1.6613	1.9127	1.3045	-----	1.38	7.36	0.995	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags

a - failed the min rf criteria

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 14.09

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

1051227 0141

Method: EPA 8260D

Form 6
Initial Calibration

Instrument: GCMS_11

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	11M90046.D	CAL @ 20 PPB	04/08/21 15:58	2	11M90044.D	CAL @ 5 PPB	04/08/21 15:18
3	11M90045.D	CAL @ 10 PPB	04/08/21 15:38	4	11M90047.D	CAL @ 50 PPB	04/08/21 16:19
5	11M90054.D	CAL @ 100 PPB	04/08/21 18:39	6	11M90051.D	CAL @ 250 PPB	04/08/21 17:39
7	11M90048.D	CAL @ 500 PPB	04/08/21 16:39	8	11M90043.D	CAL @ 1 PPB	04/08/21 14:58
9	11M90042.D	CAL @ 0.5 PPB	04/08/21 14:37				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
p-Ethyltoluene	1	0	Avg	2.0340	2.1177	2.1807	2.3349	2.5224	2.8172	2.9238	1.9409	-----	2.36	7.34	0.999	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Chlorotoluene	1	0	Avg	1.1460	1.2155	1.1688	1.3264	1.3902	1.5462	1.6414	1.0808	-----	1.31	7.41	0.999	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Propylbenzene	1	0	Avg	2.3166	2.4931	2.4955	2.5984	2.7794	3.0523	2.8448	2.2747	-----	2.61	7.29	0.999	0.999	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromobenzene	1	0	Avg	1.1128	1.2033	1.2031	1.2428	1.3343	1.4782	1.6111	1.0785	-----	1.28	7.26	0.998	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.3.5-Trimethylbenzen	1	0	Qua	1.5942	1.6420	1.6772	1.8639	2.0001	2.4611	2.6248	1.4498	-----	1.91	7.37	0.998	0.999	22		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Butyl methacrylate	1	0	Qua	0.4691	0.4237	0.4951	0.5772	0.6151	0.8152	-----	0.3461	-----	0.535	7.37	0.990	1.00	29	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
t-Butylbenzene	1	0	Avg	1.6010	1.6404	1.7255	1.8001	1.9237	2.1553	2.2256	1.5345	-----	1.83	7.57	0.999	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4-Trimethylbenzen	1	0	Avg	1.6132	1.7247	1.7439	1.8546	1.9831	2.2054	2.2985	1.4929	-----	1.86	7.59	0.999	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	Avg	1.8909	2.0196	2.0465	2.1355	2.3534	2.5460	2.5343	1.5917	-----	2.14	7.69	1.00	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	Avg	1.6239	1.6631	1.7289	1.8605	2.0598	2.2925	2.3673	1.2939	-----	1.86	7.76	0.999	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butylbenzene	1	0	Avg	1.6232	1.6186	1.7388	1.8352	1.9853	2.2236	2.2943	1.5035	-----	1.85	7.99	0.999	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
p-Diethylbenzene	1	0	Avg	0.9308	0.9183	0.9591	1.0716	1.1529	1.3091	1.3703	0.7391	-----	1.06	7.97	0.999	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4.5-Tetramethylbe	1	0	Avg	1.1661	1.1754	1.2040	1.4075	1.5007	1.7037	1.7369	0.9933	-----	1.36	8.43	0.999	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dibromo-3-Chloro	1	0	Avg	0.1519	0.1691	0.1806	0.1749	0.1775	0.1886	0.1820	0.1529	-----	0.172	8.49	1.00	1.00	7.8	0.05	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Camphor	1	0	Qua	0.0621	0.0570	0.0636	0.0757	0.0805	0.0942	0.1058	0.0556	0.0509	0.0718	8.93	0.996	1.00	26		200.0	50.00	100.0	500.0	1000.	2500.	5000.	10.00	5.00
Hexachlorobutadiene	1	0	Avg	0.1955	0.2258	0.2188	0.2050	0.2216	0.2435	0.2437	0.1763	-----	0.216	9.07	1.00	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4-Trichlorobenzen	1	0	Avg	0.4533	0.4779	0.4795	0.5142	0.5353	0.6027	0.6086	0.4948	-----	0.521	8.98	0.999	1.00	11	0.20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.3-Trichlorobenzen	1	0	Avg	0.3000	0.3124	0.3227	0.3430	0.3677	0.3968	0.3982	0.3166	-----	0.345	9.29	1.00	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Naphthalene	1	0	Avg	1.0955	1.1123	1.1187	1.2923	1.3226	1.4574	1.4585	1.1488	-----	1.25	9.14	1.00	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags	*Note:* Avg Rsd: 14.09
a - failed the min rf criteria	*Corr 1 = Correlation Coefficient for linear Eq.*
c - failed the minimum correlation coeff criteria(if applicable)	*Corr 2 = Correlation Coefficient for quad Eq.*
	Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

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Form 6
Initial Calibration

Method: EPA 8260D

Instrument: GCMS_8

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	8M545259.D	CAL @ 20 PPB	04/09/21 10:03	2	8M545258.D	CAL @ 5 PPB	04/09/21 09:44
3	8M545257.D	CAL @ 2 PPB	04/09/21 09:25	4	8M545260.D	CAL @ 50 PPB	04/09/21 10:22
5	8M545265.D	CAL @ 100 PPB	04/09/21 11:57	6	8M545263.D	CAL @ 250 PPB	04/09/21 11:19
7	8M545261.D	CAL @ 500 PPB	04/09/21 10:41	8	8M545256.D	CAL @ 1 PPB	04/09/21 09:06
9	8M545255.D	CAL @ 0.5 PPB	04/09/21 08:47				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	Avg	0.3502	0.2888	0.3149	0.3789	0.3132	0.3249	0.3660	-----	-----	0.334	1.66	0.996	0.999	9.6	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Dichlorodifluorometha	1	0	Avg	0.1369	0.1111	0.1221	0.1509	0.1260	0.1297	0.1482	-----	-----	0.132	1.66	0.996	0.999	11	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chloromethane	1	0	Avg	0.2880	0.2513	0.2756	0.3006	0.2407	0.2473	0.2770	-----	-----	0.269	1.81	0.997	0.999	8.4	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromomethane	1	0	Avg	0.1825	0.1671	0.1869	0.2055	0.1943	0.2087	0.2920	-----	-----	0.205	2.19	0.980	0.999	20	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Vinyl Chloride	1	0	Avg	0.2577	0.2091	0.2146	0.2774	0.2278	0.2398	0.2692	-----	-----	0.242	1.91	0.997	1.00	11	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chloroethane	1	0	Avg	0.1779	0.1476	0.1588	0.1963	0.1671	0.1753	0.2143	-----	-----	0.177	2.28	0.992	0.999	13	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Trichlorofluoromethan	1	0	Avg	0.5045	0.4251	0.4641	0.5387	0.4620	0.4729	0.5367	-----	-----	0.486	2.49	0.996	1.00	8.7	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethyl ether	1	0	Avg	0.1586	0.1502	0.1532	0.1608	0.1672	0.1673	0.1745	-----	-----	0.162	2.71	1.00	1.00	5.3	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Furan	1	0	Avg	0.3554	0.3130	0.3373	0.3825	0.3407	0.3493	0.3706	-----	-----	0.350	2.75	0.999	1.00	6.5	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,1,2-Trichloro-1,2,2-tr	1	0	Avg	0.2462	0.2076	0.2154	0.2751	0.2414	0.2421	0.2797	-----	-----	0.244	2.91	0.995	0.999	11	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methylene Chloride	1	0	Avg	0.2499	0.2413	0.2658	0.2628	0.2437	0.2463	0.2641	-----	-----	0.253	3.30	0.999	1.00	4.1	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Acrolein	1	0	Avg	0.0413	0.0366	0.0404	0.0440	0.0399	0.0414	0.0496	-----	-----	0.0419	2.82	0.993	1.00	9.7		100.0	25.00	10.00	250.0	500.0	1250.	2500.		
Acrylonitrile	1	0	Avg	0.0808	0.0758	0.0755	0.0886	0.0788	0.0795	0.0952	-----	-----	0.0821	3.49	0.993	0.999	8.9		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Iodomethane	1	0	Qua	0.1605	0.1323	0.1542	0.1889	0.2110	0.2410	0.2594	-----	-----	0.193	3.06	0.998	1.00	24		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Acetone	1	0	Avg	0.0688	0.0647	0.0776	0.0714	0.0595	0.0600	0.0742	-----	-----	0.0681	2.94	0.991	0.999	10	0.10 a	100.0	25.00	10.00	250.0	500.0	1250.	2500.		
Carbon Disulfide	1	0	Avg	0.8294	0.6739	0.7303	0.8953	0.7637	0.7839	0.8850	-----	-----	0.795	3.12	0.997	1.00	10	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
t-Butyl Alcohol	1	0	Avg	0.0304	0.0225	0.0280	0.0326	0.0272	0.0277	0.0337	-----	-----	0.0289	3.35	0.992	0.999	13		100.0	25.00	10.00	250.0	500.0	1250.	2500.		
n-Hexane	1	0	Avg	0.3257	0.2663	0.2676	0.3535	0.2987	0.2971	0.3394	-----	-----	0.307	3.77	0.996	0.999	11		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Di-isopropyl-ether	1	0	Avg	0.6440	0.5863	0.6275	0.6781	0.6596	0.6628	0.6919	-----	-----	0.650	3.93	1.00	1.00	5.4		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,1-Dichloroethene	1	0	Avg	0.3690	0.2997	0.3569	0.4095	0.3447	0.3568	0.4057	-----	-----	0.363	2.92	0.996	1.00	10	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methyl Acetate	1	0	Avg	0.1629	0.1408	0.1552	0.1635	0.1481	0.1486	0.1754	-----	-----	0.156	3.21	0.994	1.00	7.5	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methyl-t-butyl ether	1	0	Avg	0.5685	0.5516	0.5826	0.5988	0.6287	0.6267	0.6551	0.6461	-----	0.607	3.53	1.00	1.00	6.2	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
1,1-Dichloroethane	1	0	Avg	0.4270	0.3652	0.3788	0.4583	0.4080	0.4134	0.4539	-----	-----	0.415	3.89	0.998	1.00	8.4	0.20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
trans-1,2-Dichloroethe	1	0	Avg	0.2822	0.2419	0.2597	0.3101	0.2687	0.2742	0.3147	-----	-----	0.279	3.54	0.996	1.00	9.4	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethyl-t-butyl ether	1	0	Avg	0.6056	0.5674	0.6067	0.6348	0.6503	0.6503	0.6673	-----	-----	0.626	4.22	1.00	1.00	5.5	0.50	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
cis-1,2-Dichloroethene	1	0	Avg	0.4218	0.3600	0.4010	0.4470	0.4023	0.4116	0.4606	-----	-----	0.415	4.35	0.997	1.00	8.0	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromochloromethane	1	0	Avg	0.1867	0.1727	0.1889	0.1897	0.1804	0.1748	0.1811	-----	-----	0.182	4.52	1.00	1.00	3.7		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2,2-Dichloropropane	1	0	Avg	0.4214	0.3494	0.3814	0.4615	0.4002	0.4176	0.4759	-----	-----	0.415	4.36	0.996	1.00	11		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethyl acetate	1	0	Avg	0.2096	0.2212	0.2700	0.2273	0.2110	0.2147	0.2559	-----	-----	0.230	4.38	0.994	1.00	10		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,4-Dioxane	1	0	Avg	0.0037	0.0028	0.0031	0.0041	0.0031	0.0033	0.0041	-----	-----	0.00350	5.49	0.989	0.999	14		1000.	250.0	100.0	2500.	5000.	12500	25000		
1,1-Dichloropropene	1	0	Avg	0.3911	0.3178	0.3554	0.4234	0.3551	0.3577	0.4190	-----	-----	0.374	4.80	0.994	0.999	10		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chloroform	1	0	Avg	0.4617	0.4006	0.4484	0.4927	0.4488	0.4506	0.4893	-----	-----	0.456	4.56	0.998	1.00	6.8	0.20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Dibromofluoromethan	1	0	Avg	0.2691	0.2694	0.2651	0.2726	0.2765	0.2816	0.2751	0.2693	0.2659	0.272	4.66	-1	-1	2.0		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	0.3967	0.3266	0.3440	0.4278	0.3606	0.3579	0.4113	-----	-----	0.375	4.75	0.996	0.999	10	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2-Dichloroethane-d4	1	0	Avg	0.1292	0.1297	0.1297	0.1281	0.1278	0.1275	0.1292	0.1315	0.1313	0.129	4.88	-1	-1	1.1		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1,2-Dichloroethane	1	0	Avg	0.3049	0.2935	0.3211	0.3210	0.3066	0.3152	0.3498	-----	-----	0.316	4.93	0.998	1.00	5.6	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2-Butanone	1	0	Avg	0.1072	0.0918	0.1039	0.0988	0.0915	0.0923	0.1117	-----	-----	0.0996	4.34	0.992	1.00	8.2	0.10 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,1,1-Trichloroethane	1	0	Avg	0.4701	0.3808	0.4232	0.5167	0.4398	0.4489	0.5047	-----	-----	0.455	4.70	0.997	1.00	10	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Carbon Tetrachloride	1	0	Avg	0.4303	0.3537	0.3724	0.4726	0.4099	0.4178	0.4831	-----	-----	0.420	4.81	0.995	1.00	11	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Vinyl Acetate	1	0	Avg	0.7193	0.6464	0.6921	0.7419	0.7433	0.7504	0.8034	-----	-----	0.728	3.91	0.999	1.00	6.8		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromodichloromethan	1	0	Avg	0.3377	0.3031	0.3358	0.3575	0.3401	0.3437	0.3699	-----	-----	0.341	5.56	0.999	1.00	6.1	0.20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		

Flags

a - failed the min rf criteria

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 7.906

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

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Form 6
Initial Calibration

Method: EPA 8260D

Instrument: GCMS_8

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	8M545259.D	CAL @ 20 PPB	04/09/21 10:03	2	8M545258.D	CAL @ 5 PPB	04/09/21 09:44
3	8M545257.D	CAL @ 2 PPB	04/09/21 09:25	4	8M545260.D	CAL @ 50 PPB	04/09/21 10:22
5	8M545265.D	CAL @ 100 PPB	04/09/21 11:57	6	8M545263.D	CAL @ 250 PPB	04/09/21 11:19
7	8M545261.D	CAL @ 500 PPB	04/09/21 10:41	8	8M545256.D	CAL @ 1 PPB	04/09/21 09:06
9	8M545255.D	CAL @ 0.5 PPB	04/09/21 08:47				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Methylcyclohexane	1	0	Avg	0.4836	0.3786	0.4018	0.5201	0.4490	0.4588	0.5463	-----	-----	0.463	5.42	0.994	0.999	13	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Dibromomethane	1	0	Avg	0.1889	0.1717	0.1900	0.1949	0.1991	0.2014	0.2206	-----	-----	0.195	5.49	0.998	1.00	7.6		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2-Dichloropropane	1	0	Avg	0.2368	0.2082	0.2248	0.2461	0.2287	0.2329	0.2579	-----	-----	0.234	5.42	0.998	1.00	6.8	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Trichloroethene	1	0	Avg	0.3406	0.2844	0.3113	0.3652	0.3210	0.3318	0.3783	-----	-----	0.333	5.30	0.996	1.00	9.6	0.20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Benzene	1	0	Avg	1.0325	0.8958	0.9487	1.0846	0.9617	0.9779	1.1034	0.9884	-----	0.999	4.93	0.997	1.00	7.0	0.50	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
tert-Amyl methyl ether	1	0	Avg	0.5988	0.5602	0.6213	0.6149	0.6378	0.6227	0.6487	-----	-----	0.615	4.98	1.00	1.00	4.7		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Iso-propylacetate	1	0	Avg	0.4867	0.4484	0.4772	0.5012	0.5047	0.4886	0.5397	-----	-----	0.492	4.93	0.998	1.00	5.7	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methyl methacrylate	1	0	Avg	0.2231	0.2125	0.2030	0.2299	0.2279	0.2241	0.2470	-----	-----	0.224	5.46	0.998	1.00	6.2	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Dibromochloromethan	1	0	Avg	0.3465	0.3248	0.3301	0.3686	0.3769	0.3654	0.3904	-----	-----	0.358	6.44	0.999	1.00	6.8	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2-Chloroethylvinylethe	1	0	Avg	0.0598	0.0552	0.0594	0.0583	0.0593	0.0509	0.0511	-----	-----	0.0563	5.71	0.999	0.999	7.0		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
cis-1,3-Dichloropropen	1	0	Avg	0.4790	0.4344	0.4487	0.5065	0.4920	0.4760	0.5039	-----	-----	0.477	5.81	0.999	1.00	5.7	0.20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
trans-1,3-Dichloroprop	1	0	Avg	0.4288	0.3879	0.4077	0.4434	0.4409	0.4288	0.4595	-----	-----	0.428	6.10	0.999	1.00	5.6	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethyl methacrylate	1	0	Avg	0.2256	0.2138	0.2135	0.2354	0.2471	0.2419	0.2595	-----	-----	0.234	6.13	0.999	1.00	7.4	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,1,2-Trichloroethane	1	0	Avg	0.2642	0.2432	0.2531	0.2720	0.2688	0.2617	0.2797	-----	-----	0.263	6.21	0.999	1.00	4.6	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2-Dibromoethane	1	0	Avg	0.2889	0.2576	0.2851	0.2968	0.2948	0.2829	0.3064	0.3122	0.3599	0.298	6.51	0.999	1.00	9.4	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	0.50
1,3-Dichloropropane	1	0	Avg	0.4361	0.4093	0.4262	0.4489	0.4435	0.4327	0.4724	-----	-----	0.438	6.30	0.998	1.00	4.5		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
4-Methyl-2-Pentanone	1	0	Avg	0.2598	0.2226	0.2375	0.2617	0.2547	0.2484	0.2895	-----	-----	0.254	5.88	0.995	1.00	8.3	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2-Hexanone	1	0	Avg	0.1878	0.1714	0.1717	0.1982	0.1867	0.1808	0.2167	-----	-----	0.188	6.33	0.993	0.999	8.5	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Tetrachloroethene	1	0	Avg	0.3666	0.3062	0.3254	0.3954	0.3519	0.3506	0.4156	-----	-----	0.359	6.31	0.994	0.999	11	0.20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Toluene-d8	1	0	Avg	1.2690	1.2698	1.2748	1.2703	1.2671	1.2383	1.2031	1.2628	1.2612	1.26	5.97	-1	-1	1.8		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	0.8799	0.7481	0.8048	0.9264	0.8201	0.8148	0.9125	0.8942	-----	0.850	6.00	0.997	1.00	7.3	0.40	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
1,1,1,2-Tetrachloroeth	1	0	Avg	0.3465	0.3039	0.3098	0.3673	0.3589	0.3551	0.3952	-----	-----	0.348	6.81	0.998	1.00	9.2		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chlorobenzene	1	0	Avg	1.0003	0.8702	0.9587	1.0461	0.9613	0.9379	1.0399	1.0160	-----	0.979	6.77	0.998	1.00	6.0	0.50	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
n-Butyl acrylate	1	0	Avg	0.7840	0.6953	0.7728	0.8047	0.8385	0.8043	0.8637	-----	-----	0.795	7.02	0.999	1.00	6.8	0.50	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
n-Amyl acetate	1	0	Avg	0.7208	0.6822	0.6896	0.7228	0.7459	0.7179	0.7676	-----	-----	0.721	7.14	0.999	1.00	4.1	0.50	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromoform	1	0	Avg	0.4346	0.3942	0.4158	0.4559	0.4676	0.4574	0.4974	-----	-----	0.446	7.22	0.999	1.00	7.7	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethylbenzene	1	0	Avg	0.8696	0.7140	0.7508	0.8743	0.7757	0.7748	0.8738	0.8573	-----	0.811	6.82	0.997	1.00	7.9	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
1,1,2,2-Tetrachloroeth	1	0	Avg	0.6281	0.5901	0.6253	0.6269	0.5923	0.5714	0.6250	-----	-----	0.609	7.43	0.998	1.00	3.8	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromofluorobenzene	1	0	Avg	0.7748	0.7860	0.7926	0.7752	0.7564	0.7430	0.7153	0.7812	0.8016	0.770	7.38	-1	-1	3.5		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	1.8421	1.5802	1.6115	1.9188	1.8007	1.8011	1.9830	-----	-----	1.79	7.10	0.998	1.00	8.3	0.30	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
m&p-Xylenes	1	0	Avg	1.2003	1.0157	1.0795	1.2445	1.0666	1.0482	1.1733	1.2060	1.3626	1.16	6.88	0.997	0.999	9.7	0.10	40.00	10.00	4.00	100.0	200.0	500.0	1000.	2.00	1.00
o-Xylene	1	0	Avg	1.1361	0.9694	1.0328	1.1722	1.0568	1.0545	1.1970	1.0628	-----	1.09	7.09	0.997	1.00	7.1	0.30	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
trans-1,4-Dichloro-2-b	1	0	Avg	0.3136	0.2746	0.3080	0.3271	0.3027	0.3002	0.3428	-----	-----	0.310	7.46	0.996	1.00	7.0		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,3-Dichlorobenzene	1	0	Avg	1.5333	1.3672	1.4854	1.5805	1.4606	1.4141	1.5551	-----	-----	1.49	7.99	0.998	1.00	5.2	0.60	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,4-Dichlorobenzene	1	0	Avg	1.5129	1.3372	1.4266	1.5424	1.4202	1.3788	1.5049	-----	-----	1.45	8.04	0.998	1.00	5.3	0.50	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2-Dichlorobenzene	1	0	Avg	1.3741	1.2238	1.2989	1.3933	1.3235	1.2931	1.3820	-----	-----	1.33	8.25	0.999	1.00	4.6	0.40	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Isopropylbenzene	1	0	Avg	3.0897	2.6112	2.7409	3.2562	2.7705	2.6486	2.8779	2.9372	-----	2.87	7.29	0.998	0.999	7.7	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	Avg	0.0253	0.0230	0.0177	0.0256	0.0203	0.0200	0.0244	-----	-----	0.0224	7.36	0.991	0.999	14		100.0	25.00	10.00	250.0	500.0	1250.	2500.		
Camphene	1	0	Avg	1.1065	0.8969	0.9629	1.1935	1.0049	0.9998	1.1676	-----	-----	1.05	7.46	0.995	0.999	11		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2,3-Trichloropropane	1	0	Avg	0.7888	0.7308	0.7676	0.8008	0.7765	0.7503	0.8693	-----	-----	0.783	7.47	0.996	0.999	5.7		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2-Chlorotoluene	1	0	Avg	1.8465	1.5575	1.6713	1.9109	1.7122	1.6574	1.8375	-----	-----	1.74	7.58	0.998	0.999	7.2		20.00	5.00	2.00	50.00	100.0	250.0	500.0		

Flags

a - failed the min rf criteria

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 7.906

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Method: EPA 8260D

Form 6
Initial Calibration

Instrument: GCMS_8

Level #	Data File:	Cal Identifier:	Analysis Date/Time	Level #	Data File:	Cal Identifier:	Analysis Date/Time
1	8M545259.D	CAL @ 20 PPB	04/09/21 10:03	2	8M545258.D	CAL @ 5 PPB	04/09/21 09:44
3	8M545257.D	CAL @ 2 PPB	04/09/21 09:25	4	8M545260.D	CAL @ 50 PPB	04/09/21 10:22
5	8M545265.D	CAL @ 100 PPB	04/09/21 11:57	6	8M545263.D	CAL @ 250 PPB	04/09/21 11:19
7	8M545261.D	CAL @ 500 PPB	04/09/21 10:41	8	8M545256.D	CAL @ 1 PPB	04/09/21 09:06
9	8M545255.D	CAL @ 0.5 PPB	04/09/21 08:47				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
p-Ethyltoluene	1	0	Avg	3.1597	2.7317	2.9723	3.2779	2.9246	2.7733	3.0670	-----	-----	2.999	7.57	0.998	0.999	6.6		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
4-Chlorotoluene	1	0	Avg	1.8205	1.5645	1.8414	1.8436	1.6508	1.6336	1.7415	-----	-----	1.733	7.63	0.999	1.00	6.5		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
n-Propylbenzene	1	0	Avg	3.5843	3.0189	3.2215	3.7285	3.1228	2.9597	3.1494	3.5092	-----	3.297	7.51	0.999	0.999	8.6		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
Bromobenzene	1	0	Avg	1.5134	1.3655	1.4211	1.5529	1.4179	1.3469	1.4999	-----	-----	1.457	7.48	0.997	0.999	5.4		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,3,5-Trimethylbenzen	1	0	Avg	2.4498	2.0222	2.0794	2.6081	2.2280	2.2117	2.4245	2.3874	-----	2.307	7.59	0.998	0.999	8.7		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
Butyl methacrylate	1	0	Avg	0.6178	0.5286	0.5755	0.6442	0.7333	0.6463	0.6609	-----	-----	0.630	7.60	0.999	0.999	10	0.50	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
t-Butylbenzene	1	0	Avg	2.6352	2.2010	2.3897	2.7787	2.4320	2.3906	2.6896	2.5257	-----	2.517	7.79	0.997	0.999	7.6		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
1,2,4-Trimethylbenzen	1	0	Avg	2.4776	2.1473	2.3521	2.5699	2.3155	2.2510	2.4434	2.6451	-----	2.407	7.81	0.998	1.00	6.9		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	Avg	3.4384	2.8061	3.0169	3.5948	3.0722	2.9756	3.2344	3.1537	-----	3.167	7.91	0.998	0.999	8.1		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	Avg	2.9791	2.4388	2.5653	3.1469	2.7463	2.6787	2.9616	2.8541	-----	2.807	7.97	0.998	0.999	8.4		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
n-Butylbenzene	1	0	Avg	3.1052	2.5297	2.7110	3.2436	2.7884	2.7142	3.0380	2.8126	-----	2.877	8.20	0.997	0.999	8.3		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
p-Diethylbenzene	1	0	Avg	1.7281	1.3955	1.4738	1.8270	1.6105	1.6068	1.8427	-----	-----	1.644	8.18	0.996	0.999	10		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2,4,5-Tetramethylbe	1	0	Avg	2.3198	1.9647	1.9766	2.4281	2.2624	2.2312	2.4297	-----	-----	2.233	8.63	0.998	1.00	8.6		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2-Dibromo-3-Chloro	1	0	Avg	0.1744	0.1571	0.1519	0.1848	0.1808	0.1813	0.2180	-----	-----	0.178	8.69	0.993	1.00	12	0.05	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Camphor	1	0	Avg	0.0755	0.0615	0.0640	0.0802	0.0737	0.0762	0.0957	-----	-----	0.0753	9.11	0.990	0.999	15		200.0	50.00	20.00	500.0	1000.	2500.	5000.		
Hexachlorobutadiene	1	0	Avg	0.6257	0.4820	0.5412	0.6282	0.5458	0.5440	0.6453	-----	-----	0.573	9.25	0.994	0.999	11		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2,4-Trichlorobenzen	1	0	Avg	0.9972	0.8623	0.8639	0.9972	0.9380	0.9511	1.0287	-----	-----	0.948	9.17	0.999	1.00	6.9	0.20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2,3-Trichlorobenzen	1	0	Avg	0.8552	0.7753	0.8205	0.8636	0.8512	0.8259	0.8947	-----	-----	0.841	9.46	0.999	1.00	4.5		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Naphthalene	1	0	Avg	1.9829	1.7626	1.8056	2.0117	1.9871	1.9444	2.1363	2.0224	-----	1.96	9.32	0.998	1.00	6.2		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	

Flags	*Note:* Avg Rsd: 7.906
a - failed the min rf criteria	*Corr 1 = Correlation Coefficient for linear Eq.*
c - failed the minimum correlation coeff criteria(if applicable)	*Corr 2 = Correlation Coefficient for quad Eq.*
	Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 8M546833.D **Instrument:** GCMS 8

Cont Calibration Date/Time 5/14/2021 8:57:00 P Method: EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	5.08	30.00	30	**			0.000	0.00	
Chlorodifluoromethane	1	0		1.66	50.91	50	20	0.1	0.334	0.340	1.82	
Dichlorodifluoromethane	1	0		1.66	91.73	50	20	0.1	0.132	0.243	83.47	C1
Chloromethane	1	0		1.81	61.09	50	20	0.1	0.269	0.328	22.18	C1
Bromomethane	1	0		2.19	52.70	50	20	0.1	0.205	0.216	5.41	
Vinyl Chloride	1	0		1.91	63.28	50	20	0.1	0.242	0.307	26.55	C1
Chloroethane	1	0		2.27	55.11	50	20	0.1	0.177	0.195	10.23	
Trichlorofluoromethane	1	0		2.48	47.44	50	20	0.1	0.486	0.461	5.13	
Ethyl ether	1	0		2.70	57.08	50	20	0.5	0.162	0.185	14.16	
Furan	1	0		2.74	50.23	50	20	0.5	0.350	0.351	0.46	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.90	47.55	50	20	0.1	0.244	0.232	4.90	
Methylene Chloride	1	0		3.29	48.52	50	20	0.1	0.253	0.246	2.95	
Acrolein	1	0		2.81	212.92	250	20		0.042	0.036	14.83	
Acrylonitrile	1	0		3.48	46.93	50	20		0.082	0.077	6.14	
Iodomethane	1	0		3.04	31.65	50	20		0.193	0.136	36.70	C1
Acetone	1	0		2.93	233.99	250	20	0.1	0.068	0.064	6.40	
Carbon Disulfide	1	0		3.11	48.15	50	20	0.1	0.795	0.765	3.70	
t-Butyl Alcohol	1	0		3.34	239.20	250	20		0.029	0.028	4.32	
n-Hexane	1	0		3.75	55.97	50	20		0.307	0.344	11.95	
Di-isopropyl-ether	1	0		3.91	50.65	50	20		0.650	0.659	1.31	
1,1-Dichloroethene	1	0		2.91	51.43	50	20	0.1	0.363	0.374	2.87	
Methyl Acetate	1	0		3.19	46.49	50	20	0.1	0.156	0.145	7.03	
Methyl-t-butyl ether	1	0		3.52	50.93	50	20	0.1	0.607	0.619	1.86	
1,1-Dichloroethane	1	0		3.88	52.12	50	20	0.2	0.415	0.433	4.24	
trans-1,2-Dichloroethene	1	0		3.53	48.39	50	20	0.1	0.279	0.270	3.22	
Ethyl-t-butyl ether	1	0		4.21	56.08	50	20	0.5	0.626	0.702	12.17	
cis-1,2-Dichloroethene	1	0		4.34	51.98	50	20	0.1	0.415	0.431	3.97	
Bromochloromethane	1	0		4.51	51.43	50	20		0.182	0.187	2.85	
2,2-Dichloropropane	1	0		4.34	52.97	50	20		0.415	0.440	5.95	
Ethyl acetate	1	0		4.36	45.78	50	20		0.230	0.211	8.44	
1,4-Dioxane	1	0		5.48	1996.55	2500	20		0.004	0.003	20.14	
1,1-Dichloropropene	1	0		4.79	50.69	50	20		0.374	0.379	1.37	
Chloroform	1	0		4.55	49.95	50	20	0.2	0.456	0.456	0.10	
Dibromofluoromethane	1	0	S	4.65	29.15	75	**		0.272	0.264	2.82	
Cyclohexane	1	0		4.74	53.80	50	20	0.1	0.375	0.404	7.59	
1,2-Dichloroethane-d4	1	0	S	4.88	31.13	75	**		0.129	0.134	3.76	
1,2-Dichloroethane	1	0		4.92	50.36	50	20	0.1	0.316	0.318	0.72	
2-Butanone	1	0		4.33	46.17	50	20	0.1	0.100	0.092	7.65	
1,1,1-Trichloroethane	1	0		4.69	49.65	50	20	0.1	0.455	0.452	0.70	
Carbon Tetrachloride	1	0		4.80	47.23	50	20	0.1	0.420	0.397	5.55	
Vinyl Acetate	1	0		3.90	48.45	50	20		0.728	0.706	3.10	
Bromodichloromethane	1	0		5.55	49.94	50	20	0.2	0.341	0.341	0.12	
Methylcyclohexane	1	0		5.41	50.22	50	20	0.1	0.463	0.465	0.43	
Dibromomethane	1	0		5.48	43.36	50	20		0.195	0.169	13.28	
1,2-Dichloropropane	1	0		5.41	51.62	50	20	0.1	0.234	0.241	3.23	
Trichloroethene	1	0		5.28	46.16	50	20	0.2	0.333	0.308	7.67	
Benzene	1	0		4.92	49.74	50	20	0.5	0.999	0.994	0.53	
tert-Amyl methyl ether	1	0		4.97	49.29	50	20		0.615	0.606	1.43	
Chlorobenzene-d5	1	0	I	6.75	30.00	30	**			0.000	0.00	
Iso-propylacetate	1	0		4.92	50.33	50	20	0.5	0.492	0.496	0.66	
Methyl methacrylate	1	0		5.45	51.39	50	20	0.5	0.224	0.230	2.79	
Dibromochloromethane	1	0		6.43	47.31	50	20	0.1	0.358	0.338	5.37	

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 8M546833.D **Instrument:** GCMS 8

Cont Calibration Date/Time 5/14/2021 8:57:00 P Method: EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
2-Chloroethylvinylether	1	0		5.70	15.36	50	20		0.056	0.017	69.28	C1
cis-1,3-Dichloropropene	1	0		5.80	54.26	50	20	0.2	0.477	0.518	8.52	
trans-1,3-Dichloropropene	1	0		6.09	54.10	50	20	0.1	0.428	0.463	8.21	
Ethyl methacrylate	1	0		6.12	53.68	50	20	0.5	0.234	0.251	7.36	
1,1,2-Trichloroethane	1	0		6.20	50.41	50	20	0.1	0.263	0.265	0.81	
1,2-Dibromoethane	1	0		6.50	47.05	50	20	0.1	0.298	0.281	5.91	
1,3-Dichloropropane	1	0		6.30	51.19	50	20		0.438	0.449	2.38	
4-Methyl-2-Pentanone	1	0		5.87	49.85	50	20	0.1	0.254	0.253	0.31	
2-Hexanone	1	0		6.32	50.80	50	20	0.1	0.188	0.191	1.61	
Tetrachloroethene	1	0		6.30	45.05	50	20	0.2	0.359	0.323	9.90	
Toluene-d8	1	0	S	5.96	30.81	75	**		1.257	1.292	2.72	
Toluene	1	0		6.00	50.71	50	20	0.4	0.850	0.862	1.41	
1,1,1,2-Tetrachloroethane	1	0		6.80	47.25	50	20		0.348	0.329	5.50	
Chlorobenzene	1	0		6.76	49.10	50	20	0.5	0.979	0.961	1.79	
1,4-Dichlorobenzene-d4	1	0	I	8.01	30.00	30	**			0.000	0.00	
n-Butyl acrylate	1	0		7.01	63.63	50	20	0.5	0.795	1.011	27.26	C1
n-Amyl acetate	1	0		7.13	55.72	50	20	0.5	0.721	0.804	11.45	
Bromoform	1	0		7.21	50.02	50	20	0.1	0.446	0.446	0.04	
Ethylbenzene	1	0		6.81	55.84	50	20	0.1	0.811	0.906	11.67	
1,1,2,2-Tetrachloroethane	1	0		7.43	53.38	50	20	0.1	0.609	0.650	6.75	
Bromofluorobenzene	1	0	S	7.37	30.82	75	**		0.770	0.791	2.73	
Styrene	1	0		7.09	56.31	50	20	0.3	1.791	2.017	12.62	
m&p-Xylenes	1	0		6.87	107.72	100	20	0.1	1.155	1.244	7.72	
o-Xylene	1	0		7.09	54.52	50	20	0.3	1.085	1.183	9.05	
trans-1,4-Dichloro-2-butene	1	0		7.45	52.52	50	20		0.310	0.325	5.03	
1,3-Dichlorobenzene	1	0		7.98	50.47	50	20	0.6	1.485	1.499	0.95	
1,4-Dichlorobenzene	1	0		8.03	51.36	50	20	0.5	1.446	1.485	2.72	
1,2-Dichlorobenzene	1	0		8.25	50.47	50	20	0.4	1.327	1.340	0.94	
Isopropylbenzene	1	0		7.28	55.97	50	20	0.1	2.867	3.209	11.94	
Cyclohexanone	1	0		7.35	352.14	250	20		0.022	0.032	40.86	C1
Camphene	1	0		7.45	53.25	50	20		1.047	1.116	6.50	
1,2,3-Trichloropropane	1	0		7.46	53.67	50	20		0.783	0.841	7.34	
2-Chlorotoluene	1	0		7.57	57.34	50	20		1.742	1.998	14.68	
p-Ethyltoluene	1	0		7.56	55.42	50	20		2.987	3.310	10.84	
4-Chlorotoluene	1	0		7.63	56.33	50	20		1.728	1.947	12.67	
n-Propylbenzene	1	0		7.50	56.13	50	20		3.287	3.690	12.27	
Bromobenzene	1	0		7.47	56.99	50	20		1.445	1.647	13.97	
1,3,5-Trimethylbenzene	1	0		7.59	55.75	50	20		2.301	2.566	11.49	
Butyl methacrylate	1	0		7.59	54.34	50	20	0.5	0.630	0.684	8.67	
t-Butylbenzene	1	0		7.78	52.59	50	20		2.505	2.635	5.17	
1,2,4-Trimethylbenzene	1	0		7.80	54.72	50	20		2.400	2.627	9.44	
sec-Butylbenzene	1	0		7.90	53.80	50	20		3.162	3.402	7.60	
4-Isopropyltoluene	1	0		7.97	52.53	50	20		2.796	2.938	5.06	
n-Butylbenzene	1	0		8.20	55.12	50	20		2.868	3.161	10.23	
p-Diethylbenzene	1	0		8.18	54.40	50	20		1.641	1.785	8.81	
1,2,4,5-Tetramethylbenzene	1	0		8.63	57.31	50	20		2.230	2.557	14.63	
1,2-Dibromo-3-Chloropropane	1	0		8.68	48.88	50	20	0.05	0.178	0.174	2.23	
Camphor	1	0		9.10	477.13	500	20		0.075	0.072	4.57	
Hexachlorobutadiene	1	0		9.24	44.77	50	20		0.573	0.513	10.46	
1,2,4-Trichlorobenzene	1	0		9.16	51.77	50	20	0.2	0.948	0.982	3.53	
1,2,3-Trichlorobenzene	1	0		9.45	50.79	50	20		0.841	0.854	1.59	
Naphthalene	1	0		9.31	53.80	50	20		1.957	2.105	7.60	

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 8M546876.D **Instrument:** GCMS 8

Cont Calibration Date/Time 5/17/2021 8:24:00 A Method: EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	5.08	30.00	30	**			0.000	0.00	
Chlorodifluoromethane	1	0		1.66	30.84	50	20	0.1	0.334	0.206	38.33	C1
Dichlorodifluoromethane	1	0		1.66	72.57	50	20	0.1	0.132	0.192	45.14	C1
Chloromethane	1	0		1.82	52.96	50	20	0.1	0.269	0.285	5.93	
Bromomethane	1	0		2.19	49.74	50	20	0.1	0.205	0.204	0.52	
Vinyl Chloride	1	0		1.91	55.46	50	20	0.1	0.242	0.269	10.91	
Chloroethane	1	0		2.28	49.92	50	20	0.1	0.177	0.177	0.15	
Trichlorofluoromethane	1	0		2.49	43.95	50	20	0.1	0.486	0.428	12.10	
Ethyl ether	1	0		2.71	52.87	50	20	0.5	0.162	0.171	5.73	
Furan	1	0		2.75	44.78	50	20	0.5	0.350	0.313	10.43	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.91	44.60	50	20	0.1	0.244	0.218	10.81	
Methylene Chloride	1	0		3.30	45.00	50	20	0.1	0.253	0.228	10.00	
Acrolein	1	0		2.82	209.80	250	20		0.042	0.035	16.08	
Acrylonitrile	1	0		3.49	45.70	50	20		0.082	0.075	8.60	
Iodomethane	1	0		3.05	20.11	50	20		0.193	0.086	59.78	C1
Acetone	1	0		2.94	227.30	250	20	0.1	0.068	0.062	9.08	
Carbon Disulfide	1	0		3.12	43.09	50	20	0.1	0.795	0.685	13.82	
t-Butyl Alcohol	1	0		3.35	247.30	250	20		0.029	0.029	1.08	
n-Hexane	1	0		3.77	49.64	50	20		0.307	0.305	0.71	
Di-isopropyl-ether	1	0		3.93	45.64	50	20		0.650	0.593	8.72	
1,1-Dichloroethene	1	0		2.92	45.93	50	20	0.1	0.363	0.334	8.13	
Methyl Acetate	1	0		3.20	45.00	50	20	0.1	0.156	0.141	10.00	
Methyl-t-butyl ether	1	0		3.53	47.35	50	20	0.1	0.607	0.575	5.30	
1,1-Dichloroethane	1	0		3.89	47.30	50	20	0.2	0.415	0.393	5.39	
trans-1,2-Dichloroethene	1	0		3.54	44.43	50	20	0.1	0.279	0.248	11.14	
Ethyl-t-butyl ether	1	0		4.22	51.20	50	20	0.5	0.626	0.641	2.40	
cis-1,2-Dichloroethene	1	0		4.35	47.51	50	20	0.1	0.415	0.394	4.99	
Bromochloromethane	1	0		4.52	46.22	50	20		0.182	0.168	7.57	
2,2-Dichloropropane	1	0		4.36	47.94	50	20		0.415	0.398	4.11	
Ethyl acetate	1	0		4.37	42.31	50	20		0.230	0.195	15.38	
1,4-Dioxane	1	0		5.49	2095.60	2500	20		0.004	0.003	16.18	
1,1-Dichloropropene	1	0		4.80	45.38	50	20		0.374	0.340	9.23	
Chloroform	1	0		4.56	46.04	50	20	0.2	0.456	0.420	7.92	
Dibromofluoromethane	1	0	S	4.66	29.44	75	**		0.272	0.267	1.87	
Cyclohexane	1	0		4.75	47.83	50	20	0.1	0.375	0.359	4.35	
1,2-Dichloroethane-d4	1	0	S	4.89	30.88	75	**		0.129	0.133	2.92	
1,2-Dichloroethane	1	0		4.93	46.97	50	20	0.1	0.316	0.297	6.06	
2-Butanone	1	0		4.34	45.62	50	20	0.1	0.100	0.091	8.75	
1,1,1-Trichloroethane	1	0		4.70	45.37	50	20	0.1	0.455	0.413	9.27	
Carbon Tetrachloride	1	0		4.81	43.98	50	20	0.1	0.420	0.369	12.04	
Vinyl Acetate	1	0		3.91	44.01	50	20		0.728	0.641	11.97	
Bromodichloromethane	1	0		5.56	46.68	50	20	0.2	0.341	0.319	6.64	
Methylcyclohexane	1	0		5.41	46.51	50	20	0.1	0.463	0.430	6.98	
Dibromomethane	1	0		5.49	42.02	50	20		0.195	0.164	15.95	
1,2-Dichloropropane	1	0		5.42	47.60	50	20	0.1	0.234	0.222	4.79	
Trichloroethene	1	0		5.29	42.63	50	20	0.2	0.333	0.284	14.73	
Benzene	1	0		4.93	45.59	50	20	0.5	0.999	0.911	8.83	
tert-Amyl methyl ether	1	0		4.98	45.71	50	20		0.615	0.562	8.59	
Chlorobenzene-d5	1	0	I	6.75	30.00	30	**			0.000	0.00	
Iso-propylacetate	1	0		4.93	48.46	50	20	0.5	0.492	0.477	3.08	
Methyl methacrylate	1	0		5.45	49.96	50	20	0.5	0.224	0.224	0.08	
Dibromochloromethane	1	0		6.44	45.97	50	20	0.1	0.358	0.329	8.06	

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 8M546876.D **Instrument:** GCMS 8

Cont Calibration Date/Time 5/17/2021 8:24:00 A Method: EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
2-Chloroethylvinylether	1	0		5.71	15.51	50	20		0.056	0.017	68.98	C1
cis-1,3-Dichloropropene	1	0		5.81	50.77	50	20	0.2	0.477	0.485	1.53	
trans-1,3-Dichloropropene	1	0		6.10	50.60	50	20	0.1	0.428	0.433	1.19	
Ethyl methacrylate	1	0		6.13	49.54	50	20	0.5	0.234	0.232	0.93	
1,1,2-Trichloroethane	1	0		6.21	47.65	50	20	0.1	0.263	0.251	4.70	
1,2-Dibromoethane	1	0		6.51	45.04	50	20	0.1	0.298	0.269	9.92	
1,3-Dichloropropane	1	0		6.30	48.62	50	20		0.438	0.426	2.76	
4-Methyl-2-Pentanone	1	0		5.88	48.13	50	20	0.1	0.254	0.244	3.75	
2-Hexanone	1	0		6.32	49.01	50	20	0.1	0.188	0.184	1.98	
Tetrachloroethene	1	0		6.31	43.01	50	20	0.2	0.359	0.309	13.98	
Toluene-d8	1	0	S	5.97	30.50	75	**		1.257	1.278	1.66	
Toluene	1	0		6.00	46.42	50	20	0.4	0.850	0.789	7.16	
1,1,1,2-Tetrachloroethane	1	0		6.81	44.16	50	20		0.348	0.307	11.68	
Chlorobenzene	1	0		6.77	44.90	50	20	0.5	0.979	0.879	10.20	
1,4-Dichlorobenzene-d4	1	0	I	8.02	30.00	30	**			0.000	0.00	
n-Butyl acrylate	1	0		7.02	59.30	50	20	0.5	0.795	0.943	18.60	
n-Amyl acetate	1	0		7.14	52.13	50	20	0.5	0.721	0.752	4.26	
Bromoform	1	0		7.22	50.57	50	20	0.1	0.446	0.451	1.13	
Ethylbenzene	1	0		6.81	49.93	50	20	0.1	0.811	0.810	0.14	
1,1,2,2-Tetrachloroethane	1	0		7.43	52.14	50	20	0.1	0.609	0.635	4.28	
Bromofluorobenzene	1	0	S	7.38	30.92	75	**		0.770	0.793	3.07	
Styrene	1	0		7.09	51.47	50	20	0.3	1.791	1.844	2.94	
m&p-Xylenes	1	0		6.87	97.11	100	20	0.1	1.155	1.122	2.89	
o-Xylene	1	0		7.09	49.28	50	20	0.3	1.085	1.070	1.45	
trans-1,4-Dichloro-2-butene	1	0		7.46	51.23	50	20		0.310	0.318	2.47	
1,3-Dichlorobenzene	1	0		7.99	45.87	50	20	0.6	1.485	1.362	8.26	
1,4-Dichlorobenzene	1	0		8.03	46.75	50	20	0.5	1.446	1.352	6.51	
1,2-Dichlorobenzene	1	0		8.25	46.82	50	20	0.4	1.327	1.243	6.37	
Isopropylbenzene	1	0		7.28	50.14	50	20	0.1	2.867	2.875	0.29	
Cyclohexanone	1	0		7.35	364.48	250	20		0.022	0.033	45.79	C1
Camphene	1	0		7.45	50.72	50	20		1.047	1.063	1.44	
1,2,3-Trichloropropane	1	0		7.47	52.83	50	20		0.783	0.828	5.67	
2-Chlorotoluene	1	0		7.57	50.12	50	20		1.742	1.746	0.24	
p-Ethyltoluene	1	0		7.56	49.35	50	20		2.987	2.948	1.31	
4-Chlorotoluene	1	0		7.63	50.56	50	20		1.728	1.748	1.13	
n-Propylbenzene	1	0		7.51	50.30	50	20		3.287	3.307	0.61	
Bromobenzene	1	0		7.48	51.72	50	20		1.445	1.495	3.43	
1,3,5-Trimethylbenzene	1	0		7.59	50.24	50	20		2.301	2.312	0.47	
Butyl methacrylate	1	0		7.60	49.76	50	20	0.5	0.630	0.627	0.47	
t-Butylbenzene	1	0		7.78	47.85	50	20		2.505	2.397	4.31	
1,2,4-Trimethylbenzene	1	0		7.81	49.18	50	20		2.400	2.361	1.64	
sec-Butylbenzene	1	0		7.90	49.09	50	20		3.162	3.104	1.82	
4-Isopropyltoluene	1	0		7.97	48.76	50	20		2.796	2.727	2.47	
n-Butylbenzene	1	0		8.20	50.72	50	20		2.868	2.909	1.43	
p-Diethylbenzene	1	0		8.18	50.30	50	20		1.641	1.650	0.60	
1,2,4,5-Tetramethylbenzene	1	0		8.63	52.56	50	20		2.230	2.345	5.13	
1,2-Dibromo-3-Chloropropane	1	0		8.68	49.08	50	20	0.05	0.178	0.175	1.84	
Camphor	1	0		9.10	500.31	500	20		0.075	0.075	0.06	
Hexachlorobutadiene	1	0		9.24	45.05	50	20		0.573	0.517	9.89	
1,2,4-Trichlorobenzene	1	0		9.16	48.87	50	20	0.2	0.948	0.927	2.27	
1,2,3-Trichlorobenzene	1	0		9.45	48.28	50	20		0.841	0.812	3.45	
Naphthalene	1	0		9.31	51.36	50	20		1.957	2.010	2.72	

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** I1M91235.D **Instrument:** GCMS 11

Cont Calibration Date/Time 5/17/2021 8:56:00 A Method: EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.95	30.00	30	**			0.000	0.00	
Chlorodifluoromethane	1	0		1.69	21.07	20	20	0.1	0.232	0.245	5.35	
Dichlorodifluoromethane	1	0		1.67	34.30	20	20	0.1	0.117	0.201	71.48	C1
Chloromethane	1	0		1.85	24.99	20	20	0.1	0.158	0.197	24.97	C1
Bromomethane	1	0		2.24	12.04	20	20	0.1	0.355	0.214	39.79	C1
Vinyl Chloride	1	0		1.93	23.88	20	20	0.1	0.255	0.305	19.39	
Chloroethane	1	0		2.32	20.28	20	20	0.1	0.247	0.250	1.41	
Trichlorofluoromethane	1	0		2.54	20.56	20	20	0.1	0.706	0.726	2.78	
Ethyl ether	1	0		2.77	23.64	20	20	0.5	0.149	0.176	18.21	
Furan	1	0		2.81	20.37	20	20	0.5	0.252	0.257	1.85	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.96	22.76	20	20	0.1	0.191	0.218	13.79	
Methylene Chloride	1	0		3.36	21.36	20	20	0.1	0.231	0.247	6.81	
Acrolein	1	0		2.88	136.58	100	20		0.029	0.044	36.58	C1
Acrylonitrile	1	0		3.56	29.89	20	20		0.066	0.098	49.46	C1
Iodomethane	1	0		3.10	16.79	20	20		0.184	0.231	16.04	
Acetone	1	0		3.00	130.00	100	20	0.1	0.053	0.069	30.00	C1
Carbon Disulfide	1	0		3.17	18.97	20	20	0.1	0.601	0.570	5.16	
t-Butyl Alcohol	1	0		3.43	66.84	100	20		0.036	0.024	33.16	C1
n-Hexane	1	0		3.80	25.53	20	20		0.150	0.192	27.64	C1
Di-isopropyl-ether	1	0		3.94	26.00	20	20		0.392	0.509	29.98	C1
1,1-Dichloroethene	1	0		2.97	20.28	20	20	0.1	0.294	0.298	1.41	
Methyl Acetate	1	0		3.27	30.00	20	20	0.1	0.114	0.170	50.01	C1
Methyl-t-butyl ether	1	0		3.58	27.99	20	20	0.1	0.511	0.715	39.95	C1
1,1-Dichloroethane	1	0		3.92	19.79	20	20	0.2	0.363	0.359	1.03	
trans-1,2-Dichloroethene	1	0		3.59	19.22	20	20	0.1	0.251	0.242	3.90	
Ethyl-t-butyl ether	1	0		4.19	21.43	20	20	0.5	0.554	0.594	7.14	
cis-1,2-Dichloroethene	1	0		4.30	19.86	20	20	0.1	0.361	0.358	0.72	
Bromochloromethane	1	0		4.45	22.43	20	20		0.157	0.176	12.16	
2,2-Dichloropropane	1	0		4.31	20.52	20	20		0.342	0.350	2.59	
Ethyl acetate	1	0		4.32	20.86	20	20		0.224	0.234	4.32	
1,4-Dioxane	1	0		5.33	687.59	1000	20		0.005	0.004	31.24	C1
1,1-Dichloropropene	1	0		4.69	18.97	20	20		0.334	0.317	5.15	
Chloroform	1	0		4.48	20.86	20	20	0.2	0.444	0.463	4.32	
Dibromofluoromethane	1	0	S	4.57	30.30	30	**		0.290	0.293	0.99	
Cyclohexane	1	0		4.64	23.37	20	20	0.1	0.217	0.253	16.86	
1,2-Dichloroethane-d4	1	0	S	4.77	31.68	30	**		0.128	0.135	5.61	
1,2-Dichloroethane	1	0		4.81	19.51	20	20	0.1	0.352	0.344	2.44	
2-Butanone	1	0		4.30	20.89	20	20	0.1	0.098	0.103	4.47	
1,1,1-Trichloroethane	1	0		4.60	18.67	20	20	0.1	0.421	0.393	6.63	
Carbon Tetrachloride	1	0		4.70	17.51	20	20	0.1	0.380	0.332	12.47	
Vinyl Acetate	1	0		3.93	20.86	20	20		0.557	0.656	4.28	
Bromodichloromethane	1	0		5.40	20.24	20	20	0.2	0.357	0.362	1.20	
Methylcyclohexane	1	0		5.26	21.13	20	20	0.1	0.306	0.323	5.63	
Dibromomethane	1	0		5.33	19.36	20	20		0.216	0.209	3.19	
1,2-Dichloropropane	1	0		5.27	21.04	20	20	0.1	0.211	0.222	5.21	
Trichloroethene	1	0		5.15	18.19	20	20	0.2	0.308	0.281	9.04	
Benzene	1	0		4.81	19.59	20	20	0.5	0.976	0.956	2.03	
tert-Amyl methyl ether	1	0		4.85	19.08	20	20		0.663	0.632	4.58	
Chlorobenzene-d5	1	0	I	6.54	30.00	30	**			0.000	0.00	
Iso-propylacetate	1	0		4.81	20.87	20	20	0.5	0.484	0.492	4.36	
Methyl methacrylate	1	0		5.29	20.77	20	20	0.5	0.201	0.209	3.85	
Dibromochloromethane	1	0		6.23	20.74	20	20	0.1	0.346	0.359	3.68	

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 11M91235.D **Instrument:** GCMS 11

Cont Calibration Date/Time 5/17/2021 8:56:00 A Method: EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
2-Chloroethylvinylether	1	0		5.53	4.80	20	20		0.072	0.021	75.99	C1
cis-1,3-Dichloropropene	1	0		5.63	22.99	20	20	0.2	0.396	0.456	14.95	
trans-1,3-Dichloropropene	1	0		5.91	22.34	20	20	0.1	0.389	0.434	11.70	
Ethyl methacrylate	1	0		5.93	20.98	20	20	0.5	0.202	0.212	4.91	
1,1,2-Trichloroethane	1	0		6.01	22.13	20	20	0.1	0.280	0.309	10.63	
1,2-Dibromoethane	1	0		6.31	22.04	20	20	0.1	0.304	0.334	10.18	
1,3-Dichloropropane	1	0		6.11	22.21	20	20		0.458	0.509	11.07	
4-Methyl-2-Pentanone	1	0		5.69	20.27	20	20	0.1	0.250	0.253	1.36	
2-Hexanone	1	0		6.12	18.16	20	20	0.1	0.192	0.182	9.22	
Tetrachloroethene	1	0		6.11	18.62	20	20	0.2	0.289	0.270	6.88	
Toluene-d8	1	0	S	5.78	30.68	30	**		1.201	1.228	2.26	
Toluene	1	0		5.81	20.78	20	20	0.4	0.730	0.759	3.91	
1,1,1,2-Tetrachloroethane	1	0		6.59	19.44	20	20		0.315	0.306	2.81	
Chlorobenzene	1	0		6.56	20.98	20	20	0.5	0.844	0.885	4.89	
1,4-Dichlorobenzene-d4	1	0	I	7.81	30.00	30	**			0.000	0.00	
n-Butyl acrylate	1	0		6.79	20.96	20	20	0.5	0.817	0.856	4.79	
n-Amyl acetate	1	0		6.91	17.49	20	20	0.5	0.723	0.746	12.54	
Bromoform	1	0		7.00	20.73	20	20	0.1	0.472	0.490	3.66	
Ethylbenzene	1	0		6.59	20.18	20	20	0.1	0.720	0.727	0.88	
1,1,2,2-Tetrachloroethane	1	0		7.21	22.78	20	20	0.1	0.709	0.807	13.88	
Bromofluorobenzene	1	0	S	7.16	30.70	30	**		0.783	0.801	2.32	
Styrene	1	0		6.87	19.80	20	20	0.3	1.718	1.726	1.01	
m&p-Xylenes	1	0		6.65	41.64	40	20	0.1	0.927	0.965	4.10	
o-Xylene	1	0		6.87	19.03	20	20	0.3	1.017	0.968	4.83	
trans-1,4-Dichloro-2-butene	1	0		7.23	21.33	20	20		0.252	0.265	6.65	
1,3-Dichlorobenzene	1	0		7.78	19.54	20	20	0.6	1.184	1.156	2.31	
1,4-Dichlorobenzene	1	0		7.82	20.51	20	20	0.5	1.200	1.230	2.53	
1,2-Dichlorobenzene	1	0		8.04	21.27	20	20	0.4	1.077	1.145	6.36	
Isopropylbenzene	1	0		7.06	20.10	20	20	0.1	2.364	2.377	0.52	
Cyclohexanone	1	0		7.13	110.43	100	20		0.022	0.024	10.43	
Camphene	1	0		7.23	20.71	20	20		0.573	0.593	3.54	
1,2,3-Trichloropropane	1	0		7.25	21.67	20	20		0.882	0.956	8.34	
2-Chlorotoluene	1	0		7.36	19.29	20	20		1.382	1.333	3.54	
p-Ethyltoluene	1	0		7.34	19.78	20	20		2.359	2.333	1.12	
4-Chlorotoluene	1	0		7.41	19.58	20	20		1.314	1.287	2.08	
n-Propylbenzene	1	0		7.29	20.75	20	20		2.607	2.705	3.76	
Bromobenzene	1	0		7.26	21.36	20	20		1.283	1.370	6.79	
1,3,5-Trimethylbenzene	1	0		7.37	17.64	20	20		1.914	1.882	11.80	
Butyl methacrylate	1	0		7.38	20.75	20	20	0.5	0.535	0.536	3.76	
t-Butylbenzene	1	0		7.57	19.75	20	20		1.826	1.803	1.24	
1,2,4-Trimethylbenzene	1	0		7.59	20.38	20	20		1.865	1.900	1.90	
sec-Butylbenzene	1	0		7.69	20.64	20	20		2.140	2.208	3.21	
4-Isopropyltoluene	1	0		7.76	20.74	20	20		1.861	1.930	3.72	
n-Butylbenzene	1	0		7.99	21.13	20	20		1.853	1.958	5.66	
p-Diethylbenzene	1	0		7.97	20.96	20	20		1.056	1.107	4.81	
1,2,4,5-Tetramethylbenzene	1	0		8.43	23.04	20	20		1.361	1.568	15.22	
1,2-Dibromo-3-Chloropropane	1	0		8.49	21.16	20	20	0.05	0.172	0.182	5.80	
Camphor	1	0		8.93	170.32	200	20		0.072	0.068	14.84	
Hexachlorobutadiene	1	0		9.07	22.18	20	20		0.216	0.240	10.92	
1,2,4-Trichlorobenzene	1	0		8.98	24.65	20	20	0.2	0.521	0.642	23.25	C1
1,2,3-Trichlorobenzene	1	0		9.29	30.96	20	20		0.345	0.534	54.82	C1
Naphthalene	1	0		9.14	30.25	20	20		1.251	1.892	51.24	C1

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** I1M91503.D **Instrument:** GCMS 11

Cont Calibration Date/Time 5/21/2021 9:40:00 A Method: EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.95	30.00	30	**			0.000	0.00	
Chlorodifluoromethane	1	0		1.68	23.59	20	20	0.1	0.232	0.274	17.94	
Dichlorodifluoromethane	1	0		1.66	14.64	20	20	0.1	0.117	0.086	26.82	C1
Chloromethane	1	0		1.85	17.22	20	20	0.1	0.158	0.136	13.90	
Bromomethane	1	0		2.24	12.39	20	20	0.1	0.355	0.220	38.03	C1
Vinyl Chloride	1	0		1.93	17.84	20	20	0.1	0.255	0.228	10.80	
Chloroethane	1	0		2.32	19.22	20	20	0.1	0.247	0.237	3.92	
Trichlorofluoromethane	1	0		2.54	19.53	20	20	0.1	0.706	0.689	2.36	
Ethyl ether	1	0		2.77	23.66	20	20	0.5	0.149	0.176	18.30	
Furan	1	0		2.81	20.52	20	20	0.5	0.252	0.259	2.59	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.96	21.87	20	20	0.1	0.191	0.209	9.37	
Methylene Chloride	1	0		3.36	22.60	20	20	0.1	0.231	0.261	13.01	
Acrolein	1	0		2.88	107.62	100	20		0.029	0.035	7.62	
Acrylonitrile	1	0		3.56	25.62	20	20		0.066	0.084	28.11	C1
Iodomethane	1	0		3.11	18.76	20	20		0.184	0.259	6.19	
Acetone	1	0		3.00	126.80	100	20	0.1	0.053	0.068	26.80	C1
Carbon Disulfide	1	0		3.18	17.95	20	20	0.1	0.601	0.540	10.25	
t-Butyl Alcohol	1	0		3.42	49.32	100	20		0.036	0.018	50.68	C1
n-Hexane	1	0		3.80	23.56	20	20		0.150	0.177	17.80	
Di-isopropyl-ether	1	0		3.95	27.01	20	20		0.392	0.529	35.07	C1
1,1-Dichloroethene	1	0		2.97	20.37	20	20	0.1	0.294	0.299	1.84	
Methyl Acetate	1	0		3.27	25.60	20	20	0.1	0.114	0.145	28.01	C1
Methyl-t-butyl ether	1	0		3.59	27.48	20	20	0.1	0.511	0.702	37.39	C1
1,1-Dichloroethane	1	0		3.92	20.86	20	20	0.2	0.363	0.378	4.27	
trans-1,2-Dichloroethene	1	0		3.59	20.77	20	20	0.1	0.251	0.261	3.83	
Ethyl-t-butyl ether	1	0		4.19	22.27	20	20	0.5	0.554	0.617	11.33	
cis-1,2-Dichloroethene	1	0		4.30	21.00	20	20	0.1	0.361	0.379	5.02	
Bromochloromethane	1	0		4.45	23.11	20	20		0.157	0.182	15.56	
2,2-Dichloropropane	1	0		4.31	22.28	20	20		0.342	0.380	11.39	
Ethyl acetate	1	0		4.32	17.50	20	20		0.224	0.196	12.48	
1,4-Dioxane	1	0		5.33	549.17	1000	20		0.005	0.003	45.08	C1
1,1-Dichloropropene	1	0		4.69	20.16	20	20		0.334	0.336	0.82	
Chloroform	1	0		4.48	21.32	20	20	0.2	0.444	0.473	6.60	
Dibromofluoromethane	1	0	S	4.58	29.76	30	**		0.290	0.287	0.81	
Cyclohexane	1	0		4.64	23.39	20	20	0.1	0.217	0.254	16.96	
1,2-Dichloroethane-d4	1	0	S	4.77	31.99	30	**		0.128	0.137	6.64	
1,2-Dichloroethane	1	0		4.81	20.61	20	20	0.1	0.352	0.363	3.07	
2-Butanone	1	0		4.30	20.00	20	20	0.1	0.098	0.098	0.01	
1,1,1-Trichloroethane	1	0		4.60	19.65	20	20	0.1	0.421	0.413	1.75	
Carbon Tetrachloride	1	0		4.70	19.08	20	20	0.1	0.380	0.362	4.80	
Vinyl Acetate	1	0		3.94	21.53	20	20		0.557	0.677	7.67	
Bromodichloromethane	1	0		5.40	21.42	20	20	0.2	0.357	0.383	7.10	
Methylcyclohexane	1	0		5.26	21.54	20	20	0.1	0.306	0.329	7.70	
Dibromomethane	1	0		5.33	20.54	20	20		0.216	0.222	2.72	
1,2-Dichloropropane	1	0		5.27	21.92	20	20	0.1	0.211	0.231	9.58	
Trichloroethene	1	0		5.15	20.80	20	20	0.2	0.308	0.321	3.99	
Benzene	1	0		4.81	21.19	20	20	0.5	0.976	1.034	5.97	
tert-Amyl methyl ether	1	0		4.85	20.10	20	20		0.663	0.666	0.51	
Chlorobenzene-d5	1	0	I	6.54	30.00	30	**			0.000	0.00	
Iso-propylacetate	1	0		4.80	18.64	20	20	0.5	0.484	0.439	6.79	
Methyl methacrylate	1	0		5.30	16.61	20	20	0.5	0.201	0.167	16.95	
Dibromochloromethane	1	0		6.23	20.49	20	20	0.1	0.346	0.354	2.43	

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 11M91503.D **Instrument:** GCMS 11

Cont Calibration Date/Time 5/21/2021 9:40:00 A Method: EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
2-Chloroethylvinylether	1	0		5.53	6.04	20	20		0.072	0.026	69.81	C1
cis-1,3-Dichloropropene	1	0		5.63	23.00	20	20	0.2	0.396	0.456	15.00	
trans-1,3-Dichloropropene	1	0		5.91	22.22	20	20	0.1	0.389	0.432	11.11	
Ethyl methacrylate	1	0		5.93	19.49	20	20	0.5	0.202	0.197	2.54	
1,1,2-Trichloroethane	1	0		6.01	20.98	20	20	0.1	0.280	0.293	4.91	
1,2-Dibromoethane	1	0		6.31	21.36	20	20	0.1	0.304	0.324	6.81	
1,3-Dichloropropane	1	0		6.11	21.34	20	20		0.458	0.489	6.70	
4-Methyl-2-Pentanone	1	0		5.69	17.66	20	20	0.1	0.250	0.220	11.71	
2-Hexanone	1	0		6.12	16.84	20	20	0.1	0.192	0.168	15.80	
Tetrachloroethene	1	0		6.11	17.81	20	20	0.2	0.289	0.258	10.97	
Toluene-d8	1	0	S	5.78	29.09	30	**		1.201	1.165	3.05	
Toluene	1	0		5.82	20.93	20	20	0.4	0.730	0.764	4.64	
1,1,1,2-Tetrachloroethane	1	0		6.59	19.72	20	20		0.315	0.310	1.39	
Chlorobenzene	1	0		6.56	21.52	20	20	0.5	0.844	0.908	7.62	
1,4-Dichlorobenzene-d4	1	0	I	7.81	30.00	30	**			0.000	0.00	
n-Butyl acrylate	1	0		6.79	23.74	20	20	0.5	0.817	0.969	18.69	
n-Amyl acetate	1	0		6.91	19.38	20	20	0.5	0.723	0.826	3.09	
Bromoform	1	0		7.00	19.89	20	20	0.1	0.472	0.470	0.57	
Ethylbenzene	1	0		6.59	23.60	20	20	0.1	0.720	0.850	18.00	
1,1,2,2-Tetrachloroethane	1	0		7.21	20.09	20	20	0.1	0.709	0.712	0.45	
Bromofluorobenzene	1	0	S	7.16	34.37	30	**		0.783	0.897	14.56	
Styrene	1	0		6.87	23.61	20	20	0.3	1.718	2.064	18.04	
m&p-Xylenes	1	0		6.65	54.39	40	20	0.1	0.927	1.261	35.99	C1
o-Xylene	1	0		6.87	23.66	20	20	0.3	1.017	1.203	18.30	
trans-1,4-Dichloro-2-butene	1	0		7.23	20.54	20	20		0.252	0.255	2.72	
1,3-Dichlorobenzene	1	0		7.77	20.03	20	20	0.6	1.184	1.185	0.17	
1,4-Dichlorobenzene	1	0		7.82	21.17	20	20	0.5	1.200	1.270	5.86	
1,2-Dichlorobenzene	1	0		8.05	20.95	20	20	0.4	1.077	1.128	4.76	
Isopropylbenzene	1	0		7.06	20.50	20	20	0.1	2.364	2.424	2.51	
Cyclohexanone	1	0		7.14	100.10	100	20		0.022	0.022	0.10	
Camphene	1	0		7.23	21.68	20	20		0.573	0.621	8.40	
1,2,3-Trichloropropane	1	0		7.25	20.85	20	20		0.882	0.920	4.24	
2-Chlorotoluene	1	0		7.35	19.61	20	20		1.382	1.355	1.95	
p-Ethyltoluene	1	0		7.34	20.50	20	20		2.359	2.418	2.49	
4-Chlorotoluene	1	0		7.41	20.02	20	20		1.314	1.316	0.10	
n-Propylbenzene	1	0		7.29	20.44	20	20		2.607	2.664	2.20	
Bromobenzene	1	0		7.26	20.82	20	20		1.283	1.336	4.10	
1,3,5-Trimethylbenzene	1	0		7.37	17.11	20	20		1.914	1.826	14.43	
Butyl methacrylate	1	0		7.37	22.01	20	20	0.5	0.535	0.570	10.04	
t-Butylbenzene	1	0		7.57	19.74	20	20		1.826	1.802	1.32	
1,2,4-Trimethylbenzene	1	0		7.59	20.25	20	20		1.865	1.888	1.23	
sec-Butylbenzene	1	0		7.69	20.63	20	20		2.140	2.207	3.15	
4-Isopropyltoluene	1	0		7.76	20.79	20	20		1.861	1.935	3.97	
n-Butylbenzene	1	0		7.99	20.51	20	20		1.853	1.900	2.54	
p-Diethylbenzene	1	0		7.97	20.50	20	20		1.056	1.083	2.52	
1,2,4,5-Tetramethylbenzene	1	0		8.43	22.17	20	20		1.361	1.508	10.83	
1,2-Dibromo-3-Chloropropane	1	0		8.49	18.71	20	20	0.05	0.172	0.161	6.46	
Camphor	1	0		8.93	123.30	200	20		0.072	0.049	38.35	C1
Hexachlorobutadiene	1	0		9.07	21.95	20	20		0.216	0.237	9.75	
1,2,4-Trichlorobenzene	1	0		8.98	23.45	20	20	0.2	0.521	0.611	17.25	
1,2,3-Trichlorobenzene	1	0		9.29	26.47	20	20		0.345	0.456	32.35	C1
Naphthalene	1	0		9.14	25.03	20	20		1.251	1.565	25.14	C1

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

FORM8

Internal Standard Areas

Evaluation Std Data File: 11M90046.D Method: EPA 8260D

Analysis Date/Time: 04/08/21 15:58

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	288458	4.95	252542	6.54	141122	7.81								
Eval File Area Limit:	144229-576916		126271-505084		70561-282244									
Eval File Rt Limit:	4.45-5.45		6.04-7.04		7.31-8.309999									

Data File	Sample#						
11M90042.D	CAL @ 0.5 PPB	265730	4.95	241959	6.54	121218	7.81
11M90043.D	CAL @ 1 PPB	261524	4.95	234266	6.54	119079	7.81
11M90044.D	CAL @ 5 PPB	269662	4.95	237883	6.54	125180	7.81
11M90045.D	CAL @ 10 PPB	282544	4.95	247276	6.54	136508	7.81
11M90046.D	CAL @ 20 PPB	288458	4.95	252542	6.54	141122	7.81
11M90047.D	CAL @ 50 PPB	296285	4.95	264096	6.54	150799	7.81
11M90048.D	CAL @ 500 PPB	349942	4.95	350476	6.54	219033	7.81
11M90051.D	CAL @ 250 PPB	357791	4.95	337596	6.54	202513	7.81
11M90054.D	CAL @ 100 PPB	345330	4.95	311598	6.54	182115	7.81
11M90058.D	ICV	321398	4.95	288317	6.54	156037	7.81
11M90060.D	BLK	311044	4.95	280038	6.54	140663	7.81
11M90061.D	BLK	287109	4.95	257949	6.54	129741	7.81
11M90063.D	DAILY BLANK	309637	4.95	274454	6.54	140781	7.81
11M90064.D	DAILY BLANK	312056	4.95	277512	6.54	136222	7.81
11M90065.D	MDL @ 1 PPB	294868	4.95	265028	6.54	132037	7.81
11M90066.D	MDL @ 1 PPB	299287	4.95	267425	6.54	135746	7.81

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4
I4 =
I5 =
I6 =
I7 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 8M545259.D Method: EPA 8260D

Analysis Date/Time: 04/09/21 10:03

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	335216	5.09	260640	6.75	147253	8.02								
Eval File Area Limit:	167608-670432		130320-521280		73626-294506									
Eval File Rt Limit:	4.59-5.59		6.25-7.25		7.52-8.52									

Data File	Sample#						
8M545253.D	BLK	415251	5.08	327529	6.75	174949	8.02
8M545255.D	CAL @ 0.5 PPB	408477	5.09	320866	6.75	171589	8.02
8M545256.D	CAL @ 1 PPB	421648	5.09	332041	6.75	181611	8.02
8M545257.D	CAL @ 2 PPB	409340	5.08	319450	6.75	174254	8.02
8M545258.D	CAL @ 5 PPB	420764	5.09	330142	6.75	184727	8.02
8M545259.D	CAL @ 20 PPB	335216	5.09	260640	6.75	147253	8.02
8M545260.D	CAL @ 50 PPB	305408	5.09	239120	6.76	138295	8.02
8M545261.D	CAL @ 500 PPB	342555	5.09	285765	6.76	183273	8.02
8M545263.D	CAL @ 250 PPB	418894	5.09	342599	6.75	212827	8.02
8M545265.D	CAL @ 100 PPB	463374	5.09	364801	6.75	219807	8.02
8M545269.D	100 PPB	276476	5.09	215289	6.75	120780	8.02
8M545271.D	STD	413257	5.09	324231	6.75	185292	8.02
8M545273.D	ICV	415499	5.09	329334	6.75	188083	8.02
8M545274.D	STD	425214	5.09	338178	6.75	193823	8.02
8M545275.D	BLK	479694	5.09	388081	6.75	216784	8.02
8M545276.D	BLK	476372	5.08	384577	6.75	213978	8.02
8M545277.D	DAILY BLANK	429355	5.09	342606	6.75	189926	8.02
8M545278.D	MDL @ 1 PPB	358945	5.09	282480	6.75	156756	8.02
8M545279.D	2 PPB	409849	5.09	321625	6.75	177826	8.02
8M545280.D	MBS92112	270339	5.09	210071	6.75	117450	8.02
8M545281.D	AD22712-001	431915	5.09	304650	6.76	475502	8.01
8M545282.D	AD22628-002(MS)	646582	5.09	510528	6.75	289508	8.02
8M545283.D	AD22628-002(MSD)	620375	5.09	493226	6.75	285302	8.02
8M545284.D	AD22628-002	614753	5.09	492466	6.75	281730	8.02
8M545285.D	AD22307-004	522651	5.09	371741	6.75	152721	8.02
8M545286.D	AD22307-009	504966	5.08	361123	6.75	150861	8.02
8M545287.D	AD22307-014	507394	5.09	368616	6.75	152808	8.02
8M545288.D	AD22730-002	501200	5.09	391079	6.75	201122	8.02
8M545289.D	AD22691-001	496706	5.09	376534	6.75	174930	8.02
8M545290.D	BLK	538695	5.09	435950	6.75	246888	8.02
8M545291.D	BLK	527756	5.09	423407	6.75	239629	8.02
8M545292.D	BLK	527304	5.09	423754	6.75	240384	8.02

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4
I4 =
I5 =
I6 =
I7 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

1051227 0155

FORM8

Internal Standard Areas

Evaluation Std Data File: 8M545259.D Method: EPA 8260D

Analysis Date/Time: 04/09/21 10:03

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	335216	5.09	260640	6.75	147253	8.02								
Eval File Area Limit:	167608-670432		130320-521280		73626-294506									
Eval File Rt Limit:	4.59-5.59		6.25-7.25		7.52-8.52									
Data File Sample#														
8M545293.D BLK	512933	5.09	412065	6.75	231333	8.02								
8M545294.D BLK-4	515979	5.08	418411	6.75	233777	8.02								
8M545295.D BLK-DI	495602	5.09	400673	6.75	226042	8.02								

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4
I4 =
I5 =
I6 =
I7 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

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R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

1051227 0156

FORM8

Internal Standard Areas

Evaluation Std Data File: 8M546833.D Method: EPA 8260D

Analysis Date/Time: 05/14/21 20:57

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	388995	5.08	299225	6.75	158850	8.01								
Eval File Area Limit:	194498-777990		149612-598450		79425-317700									
Eval File Rt Limit:	4.58-5.58		6.25-7.25		7.51-8.51									
Data File Sample#														
8M546834.D BLK	437193	5.08	339591	6.75	182316	8.02								
8M546835.D DAILY BLANK	444193	5.08	344408	6.75	184655	8.02								
8M546836.D BLK	434141	5.08	341071	6.75	181326	8.02								
8M546837.D MBS92593	402170	5.08	312622	6.75	166981	8.02								
8M546838.D AD23353-009(MS)	413603	5.08	326375	6.75	174913	8.02								
8M546839.D AD23353-009(MSD)	414952	5.08	327014	6.75	173444	8.02								
8M546840.D BLK	434519	5.08	338275	6.75	181208	8.02								
8M546841.D BLK	435493	5.08	339718	6.75	182361	8.02								
8M546842.D AD23353-009	416175	5.08	323876	6.75	171548	8.02								
8M546843.D AD23353-007	423934	5.08	327360	6.75	173407	8.02								
8M546844.D AD23353-008	428765	5.08	328516	6.75	175422	8.02								
8M546845.D AD23383-005	199419	5.08	151759	6.75	76991	8.02								
8M546846.D AD23383-010	393787	5.08	292863	6.75	144091	8.02								
8M546847.D AD23367-001	400931	5.08	296457	6.75	133236	8.02								
8M546848.D AD23367-002	416779	5.08	321194	6.75	170416	8.02								
8M546849.D AD23378-002	370049	5.08	263338	6.75	109527	8.02								
8M546850.D AD23360-010	409253	5.08	320067	6.75	172063	8.02								
8M546851.D AD23360-011	415476	5.08	340077	6.75	175601	8.02								
8M546852.D AD23360-012	404470	5.08	331576	6.75	173360	8.02								
8M546853.D BLK	415460	5.08	322883	6.75	172762	8.02								
8M546854.D AD23397-001	380891	5.08	279541	6.75	124153	8.02								
8M546855.D AD23397-002	397506	5.08	298162	6.75	145326	8.02								
8M546856.D AD23397-003	407807	5.08	316371	6.75	170855	8.02								
8M546857.D AD23397-004	402572	5.08	310081	6.75	156846	8.02								
8M546858.D AD23397-005	406328	5.08	308664	6.75	155938	8.02								
8M546859.D AD23371-002	392970	5.08	305996	6.75	155568	8.02								
8M546860.D AD23371-004	417976	5.08	331384	6.75	179881	8.02								
8M546861.D AD23371-001	444660	5.08	351845	6.75	202101	8.02								
8M546862.D BLK	477773	5.08	368167	6.75	198235	8.02								
8M546863.D AD23371-003	431612	5.08	333533	6.75	168820	8.02								
8M546864.D MBS92594	457819	5.08	352346	6.75	188645	8.02								

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4
I4 =
I5 =
I6 =
I7 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 8M546876.D Method: EPA 8260D

Analysis Date/Time: 05/17/21 08:24

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	394020	5.08	302103	6.75	159589	8.02								
Eval File Area Limit:	197010-788040		151052-604206		79794-319178									
Eval File Rt Limit:	4.58-5.58		6.25-7.25		7.52-8.52									
Data File	Sample#													
8M546878.D	BLK-DI	431269	5.08	338081	6.75	180214	8.02							
8M546879.D	BLK	441956	5.09	340289	6.75	185171	8.02							
8M546880.D	DAILY BLANK	426360	5.08	331521	6.75	178899	8.02							
8M546881.D	AD23327-003	422333	5.08	332328	6.75	181191	8.02							
8M546882.D	AD23327-005	418844	5.09	327867	6.75	179208	8.02							
8M546883.D	MBS92595	372509	5.08	286037	6.75	155131	8.02							
8M546884.D	AD23401-005(5X)	405576	5.08	307981	6.75	161101	8.02							
8M546885.D	AD23401-013(5X)	414618	5.08	322303	6.75	173927	8.02							
8M546886.D	AD23327-003(MS)	399738	5.08	309248	6.75	160404	8.02							
8M546887.D	AD23401-013	416953	5.08	321745	6.75	173793	8.02							
8M546888.D	AD23401-005	379633	5.08	271798	6.75	131193	8.02							
8M546889.D	AD23327-003(MSD)	406627	5.08	312754	6.75	157141	8.02							
8M546890.D	23327-003	424671	5.09	322815	6.75	166402	8.02							
8M546891.D	BLK	489908	5.08	382820	6.75	206265	8.02							
8M546892.D	AD23360-002	410360	5.08	317752	6.75	173336	8.02							
8M546893.D	AD23360-003	426343	5.08	339859	6.75	187001	8.02							
8M546894.D	AD23360-007	411607	5.09	325477	6.75	175026	8.02							
8M546895.D	AD23360-006	419288	5.08	338649	6.75	178040	8.02							
8M546896.D	BLK	408955	5.08	320763	6.75	175582	8.02							
8M546897.D	AD23356-004	350957	5.08	226001	6.75	83650	8.02							
8M546898.D	AD23356-009	382710	5.08	240653	6.75	54598	8.02							
8M546899.D	AD23383-010	385849	5.08	291621	6.75	144512	8.02							
8M546900.D	AD23383-005	385360	5.08	289740	6.75	142686	8.02							
8M546901.D	BLK	381057	5.09	301481	6.75	164344	8.02							
8M546902.D	AD23360-008	384680	5.08	297791	6.75	160689	8.02							
8M546903.D	AD23360-009	406501	5.08	319621	6.75	177067	8.02							
8M546904.D	AD23360-014	390263	5.08	308484	6.75	166627	8.02							
8M546905.D	AD23360-001	347257	5.08	214501	6.75	72621	8.02							
8M546906.D	AD23360-013	379837	5.08	308679	6.75	165855	8.02							
8M546907.D	AD23360-015	373196	5.08	310153	6.75	162216	8.02							
8M546908.D	AD23406-005	369262	5.08	285423	6.75	150840	8.02							
8M546909.D	AD23406-010	374127	5.08	290556	6.75	158145	8.02							

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4
I4 =
I5 =
I6 =
I7 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 8M546876.D Method: EPA 8260D

Analysis Date/Time: 05/17/21 08:24

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	394020	5.08	302103	6.75	159589	8.02								
Eval File Area Limit:	197010-788040		151052-604206		79794-319178									
Eval File Rt Limit:	4.58-5.58		6.25-7.25		7.52-8.52									
Data File Sample#														
8M546910.D MBS92602	340132	5.08	262847	6.75	142543	8.02								

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4
I4 =
I5 =
I6 =
I7 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 11M91235.D Method: EPA 8260D

Analysis Date/Time: 05/17/21 08:56

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	205339	4.95	176185	6.54	100025	7.81								
Eval File Area Limit:	102670-410678		88092-352370		50012-200050									
Eval File Rt Limit:	4.45-5.45		6.04-7.04		7.31-8.309999									

Data File	Sample#						
11M91234.D	20 PPB	179559	4.95	154047	6.54	88881	7.81
11M91236.D	BLK-DI	197859	4.95	173874	6.54	94372	7.81
11M91237.D	BLK-2	180841	4.95	156260	6.54	85022	7.81
11M91238.D	DAILY BLANK	188703	4.95	161350	6.54	86954	7.81
11M91239.D	DAILY BLANK	160796	4.95	148139	6.54	78880	7.81
11M91240.D	AD23380-002	176602	4.95	157714	6.54	83769	7.81
11M91241.D	AD23374-003	193250	4.95	169872	6.54	84638	7.81
11M91242.D	AD23374-001	189006	4.95	167211	6.54	130059	7.81
11M91243.D	MBS92596	170296	4.95	150398	6.54	86336	7.81
11M91244.D	MBS92597	179219	4.95	156022	6.54	90857	7.81
11M91245.D	BLK	181324	4.95	158667	6.54	83721	7.81
11M91246.D	AD23380-001	176272	4.95	163881	6.54	95687	7.81
11M91247.D	AD23380-002(MS)	196355	4.95	180630	6.54	102630	7.81
11M91248.D	AD23406-005	192646	4.95	175695	6.54	94625	7.81
11M91249.D	AD23292-001	192478	4.95	175401	6.54	106322	7.81
11M91250.D	AD23380-002(MSD)	182279	4.95	164526	6.54	99493	7.81
11M91251.D	BLK	212741	4.95	188513	6.54	102544	7.81
11M91252.D	AD23371-003	210093	4.95	187744	6.54	103268	7.81
11M91253.D	AD23371-004	219545	4.95	198976	6.54	106099	7.81
11M91254.D	AD23371-001	245120	4.95	213889	6.54	121241	7.81
11M91255.D	AD23360-012	200879	4.95	181303	6.54	98241	7.81
11M91256.D	AD23406-005(MS)	195395	4.95	171196	6.54	100754	7.81
11M91257.D	AD23406-005(MSD)	192927	4.95	169015	6.54	99894	7.81
11M91258.D	BLK	218812	4.95	194980	6.54	104064	7.81
11M91259.D	AD23360-004	166536	4.95	149777	6.54	81953	7.81
11M91260.D	AD23360-005	174512	4.95	154801	6.54	87421	7.81
11M91261.D	AD23360-013	221907	4.95	195520	6.54	107293	7.81
11M91262.D	AD23360-015	220169	4.95	195343	6.54	103270	7.81
11M91263.D	AD23375-002(8uL)	226021	4.95	209268	6.54	108109	7.81
11M91264.D	AD23375-003(8uL)	215350	4.95	194288	6.54	104100	7.81
11M91265.D	AD23375-004(8uL)	208471	4.95	195092	6.54	103594	7.81
11M91266.D	AD23375-005(8uL)	232704	4.95	217343	6.54	112572	7.81

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4
I4 =
I5 =
I6 =
I7 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

1051227 0160

FORM8

Internal Standard Areas

Evaluation Std Data File: 11M91235.D Method: EPA 8260D

Analysis Date/Time: 05/17/21 08:56

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	205339	4.95	176185	6.54	100025	7.81								
Eval File Area Limit:	102670-410678		88092-352370		50012-200050									
Eval File Rt Limit:	4.45-5.45		6.04-7.04		7.31-8.309999									
Data File Sample#														
11M91267.D AD23375-006(8uL)	205145	4.95	185914	6.54	98956	7.81								
11M91268.D BLK	169453	4.95	153946	6.54	81206	7.81								

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4
I4 =
I5 =
I6 =
I7 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
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524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

1051227 0161

FORM8

Internal Standard Areas

Evaluation Std Data File: 11M91503.D Method: EPA 8260D

Analysis Date/Time: 05/21/21 09:40

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	238089	4.95	221576	6.54	100885	7.81								
Eval File Area Limit:	119044-476178		110788-443152		50442-201770									
Eval File Rt Limit:	4.45-5.45		6.04-7.04		7.31-8.309999									

Data File	Sample#						
11M91505.D	BLK	237874	4.95	224410	6.54	113388	7.81
11M91506.D	BLK	203073	4.95	184704	6.54	92722	7.81
11M91507.D	DAILY BLANK	227248	4.95	209943	6.54	111571	7.81
11M91508.D	DAILY BLANK	177954	4.95	167447	6.54	91283	7.81
11M91509.D	AD23405-001(5X)	218267	4.95	203466	6.54	108216	7.81
11M91511.D	AD23438-009	184594	4.95	171128	6.54	95093	7.81
11M91512.D	AD23360-001	230118	4.95	166607	6.54	104084	7.81
11M91513.D	AD23375-010(8uL)	254449	4.95	252198	6.54	131072	7.81
11M91514.D	MBS93445	186694	4.95	172940	6.54	101380	7.81
11M91515.D	MBS93446	264655	4.95	228843	6.54	110198	7.81
11M91516.D	MBS93447	228089	4.95	212107	6.54	126420	7.81
11M91517.D	EF-3V-13600(051421)	219083	4.95	206261	6.54	109744	7.81
11M91518.D	MBS93448	190095	4.95	163177	6.54	92945	7.81
11M91519.D	MBS93449	232437	4.95	210017	6.54	123758	7.81
11M91520.D	EF-3V-13600(051521)	238786	4.95	220529	6.54	115716	7.81
11M91521.D	AD23400-002(T)	221695	4.95	213445	6.54	103783	7.81
11M91522.D	AD23444-027(20X)	221432	4.95	209806	6.54	108217	7.81
11M91523.D	AD23444-037(5X)	207337	4.95	192067	6.54	94969	7.81
11M91524.D	AD23455-001	204941	4.95	201527	6.54	106677	7.81
11M91525.D	AD23457-001(100X)	242860	4.95	230477	6.54	129490	7.81
11M91526.D	AD23457-002(100X)	187054	4.95	174294	6.54	100490	7.81
11M91527.D	AD23438-009(MS)	191859	4.95	179823	6.54	94732	7.81
11M91528.D	AD23438-009(MSD)	180215	4.95	168423	6.54	97399	7.81
11M91529.D	AD23400-004(T:MS)	165217	4.95	148887	6.54	87124	7.81
11M91530.D	AD23400-004(T:MSD)	226911	4.95	192053	6.54	113893	7.81
11M91531.D	BLK	223905	4.95	212835	6.54	112061	7.81
11M91532.D	AD23444-037(5X)	219973	4.95	197523	6.54	97915	7.81
11M91533.D	AD23457-002(200X)	219344	4.95	212352	6.54	115837	7.81

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I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4
I4 =
I5 =
I6 =
I7 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
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Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

Wet Chemistry Data

VERITECH Wet Chem Form1 Analysis Summary
% Solids

TestGroupName: % Solids SM2540G **Project #: 1051227**

TestGroup: %SOLIDS

Lab#	Client SampleID	Matrix	Dilution:	Result	Units:	RL	Prep Date	Analysis Date	Received Date	Collect Date
AD23360-001	HSI-SB-11 (3')	Soil/Terracore	1	85	Percent			05/13/21	05/12/21	05/11/21
AD23360-002	HSI-SB-11 (5.75')	Soil/Terracore	1	84	Percent			05/13/21	05/12/21	05/11/21
AD23360-003	HSI-SB-11 (7.75')	Soil/Terracore	1	88	Percent			05/13/21	05/12/21	05/11/21
AD23360-004	HSI-SB-12 (3.5')	Soil/Terracore	1	84	Percent			05/13/21	05/12/21	05/11/21
AD23360-005	HSI-SB-12 (9')	Soil/Terracore	1	81	Percent			05/13/21	05/12/21	05/11/21
AD23360-006	HSI-SB-12(11.5')	Soil/Terracore	1	65	Percent			05/13/21	05/12/21	05/11/21
AD23360-007	HSI-SB-13(4')	Soil/Terracore	1	87	Percent			05/13/21	05/12/21	05/11/21
AD23360-008	HSI-SB-13(5.5')	Soil/Terracore	1	89	Percent			05/13/21	05/12/21	05/11/21
AD23360-009	HSI-SB-21(4')	Soil/Terracore	1	86	Percent			05/13/21	05/12/21	05/11/21
AD23360-010	HSI-SB-21(6.5')	Soil/Terracore	1	87	Percent			05/13/21	05/12/21	05/11/21
AD23360-011	HSI-SB-21(7.5')	Soil/Terracore	1	86	Percent			05/13/21	05/12/21	05/11/21
AD23360-012	HSI-SB-21(10.5')	Soil/Terracore	1	84	Percent			05/13/21	05/12/21	05/11/21
AD23360-013	HSI-SB-21(11')	Soil/Terracore	1	84	Percent			05/13/21	05/12/21	05/11/21
AD23360-014	HSI-SB-21(13.5')	Soil/Terracore	1	81	Percent			05/13/21	05/12/21	05/11/21
AD23360-015	HSI-SB-D1	Soil/Terracore	1	80	Percent			05/13/21	05/12/21	05/11/21

% Solids Report

Analysis Type: SOLIDS-SS
BatchID: SOLIDS-SS-11733

QcType	SampleID:	Rounded Result	Raw Result	Units	Tare Weight	Wet Weight	Dry Weight	Analysis Date	Analyzed By	QC RPD	Rpd Limit
DUP	AD23360-001	86	85.55885	Percent	1.31	11.42	9.96	05/13/21	BEENA	0.42	5
Sample	AD23356-001	81	81.38007	Percent	1.34	10.47	8.77	05/13/21	BEENA		
Sample	AD23356-002	88	87.91209	Percent	1.33	9.52	8.54	05/13/21	BEENA		
Sample	AD23358-008	82	81.52563	Percent	1.31	9.70	8.15	05/13/21	BEENA		
Sample	AD23358-009	79	79.43615	Percent	1.33	7.36	6.12	05/13/21	BEENA		
Sample	AD23358-010	84	84.44882	Percent	1.32	11.48	9.90	05/13/21	BEENA		
Sample	AD23360-001	85	85.19814	Percent	1.32	9.90	8.64	05/13/21	BEENA		
Sample	AD23360-002	84	83.62416	Percent	1.32	8.77	7.56	05/13/21	BEENA		
Sample	AD23360-003	88	88.39635	Percent	1.32	8.99	8.10	05/13/21	BEENA		
Sample	AD23360-004	84	83.69678	Percent	1.32	10.95	9.38	05/13/21	BEENA		
Sample	AD23360-005	81	81.44016	Percent	1.33	11.19	9.36	05/13/21	BEENA		
Sample	AD23360-006	65	65.38462	Percent	1.32	10.94	7.61	05/13/21	BEENA		
Sample	AD23360-007	87	87.11276	Percent	1.31	9.38	8.34	05/13/21	BEENA		
Sample	AD23360-008	89	88.79023	Percent	1.32	10.33	9.32	05/13/21	BEENA		
Sample	AD23360-009	86	85.65941	Percent	1.32	9.13	8.01	05/13/21	BEENA		
Sample	AD23360-010	87	87.15953	Percent	1.34	11.62	10.30	05/13/21	BEENA		
Sample	AD23360-011	86	86.20199	Percent	1.34	8.37	7.40	05/13/21	BEENA		
Sample	AD23360-012	84	83.94919	Percent	1.34	10.00	8.61	05/13/21	BEENA		
Sample	AD23360-013	84	83.73669	Percent	1.35	11.68	10.01	05/13/21	BEENA		
Sample	AD23360-014	81	80.54863	Percent	1.34	9.36	7.80	05/13/21	BEENA		
Sample	AD23360-015	80	80.45738	Percent	1.33	10.95	9.07	05/13/21	BEENA		

* - Indicates Failed Rpd Criteria

Hampton-Clarke
Analytical & Field Services

Last Page of Report

Hampton-Clarke
Analytical & Field Services

175 ROUTE 46 WEST, UNIT D · FAIRFIELD, NJ 07004
2 MADISON ROAD, FAIRFIELD, NJ 07004
800-426-9992 · 973-244-9770
FAX: 973-244-9787
WWW.HCVLAB.COM

Project: Hot Spot Refinement Study

Client PO: CG09042314MS

Report To: Chesapeake Geosciences Inc
5405 Twin Knolls Rd.
Suite 1
Columbia, MD 21045
Attn: Nancy Love

Received Date: 5/13/2021

Report Date: 6/8/2021

Deliverables: MDE-R

Lab ID: AD23375

Lab Project No: 1051310

Sean Beris - Quality Assurance Officer OR **Jean Revolus - Laboratory Director**

NJ (07071) NY (ELAP11408) CT (PH-0671)
PA (68-00463) KY (90124)

Hampton-Clarke
WBE/DBE/SBE 800-426-9992

Table of Contents - 1051310

Sample Summary

Client: Chesapeake Geosciences Inc
Project: Hot Spot Refinement Study

HC Project #: 1051310

Lab#	SampleID	Matrix	Collection Date	Receipt Date
AD23375-001	HSI-SB-14(3.5')	Soil/Terracore	5/12/2021	5/13/2021
AD23375-002	HSI-SB-14(5')	Soil/Terracore	5/12/2021	5/13/2021
AD23375-003	HSI-SB-14(6.5')	Soil/Terracore	5/12/2021	5/13/2021
AD23375-004	HSI-SB-14(8')	Soil/Terracore	5/12/2021	5/13/2021
AD23375-005	HSI-SB-14(10')	Soil/Terracore	5/12/2021	5/13/2021
AD23375-006	HSI-SB-14(12.5')	Soil/Terracore	5/12/2021	5/13/2021
AD23375-007	HSI-SB-14(14.5')	Soil/Terracore	5/12/2021	5/13/2021
AD23375-008	HSI-SB-14(16.5')	Soil/Terracore	5/12/2021	5/13/2021
AD23375-009	HIS-SB-14(18.5')	Soil/Terracore	5/12/2021	5/13/2021
AD23375-010	HSI-SB-D2	Soil/Terracore	5/12/2021	5/13/2021
AD23375-011	HSI-SB-15(3.5')	Soil/Terracore	5/12/2021	5/13/2021
AD23375-012	HSI-SB-15(5.5')	Soil/Terracore	5/12/2021	5/13/2021
AD23375-013	HSI-SB-15(6')	Soil/Terracore	5/12/2021	5/13/2021
AD23375-014	HSI-SB-15(8.5')	Soil/Terracore	5/12/2021	5/13/2021
AD23375-015	HSI-SB-15(10')	Soil/Terracore	5/12/2021	5/13/2021
AD23375-016	HSI-SB-15(12.5')	Soil/Terracore	5/12/2021	5/13/2021
AD23375-017	HSI-SB-15(14')	Soil/Terracore	5/12/2021	5/13/2021
AD23375-018	HSI-SB-15(16.5')	Soil/Terracore	5/12/2021	5/13/2021
AD23375-019	HSI-SB-15(18.5')	Soil/Terracore	5/12/2021	5/13/2021
AD23375-020	HSI-SB-D3	Soil/Terracore	5/12/2021	5/13/2021

HC Case Narrative

Client: Chesapeake Geosciences Inc **HC Project:** 1051310
Project: Hot Spot Refinement Study

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

The Method Blank Spike for batches 92597, 92618, 92620, 92624, 92626, 93440, 93449, 93465, 93466, 93494 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batches 92597, 92618, 92620, 92624, 92626, 93440, 93449, 93465, 93466, 93494 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Wet Chemistry Analysis:

Data conforms to method requirements.

Sean Berls
Quality Assurance Officer

Or

Jean Revolus
Laboratory Director

6/8/21
Date

HC Executive Summary

Client: Chesapeake Geosciences Inc **HC Project #:** 1051310

Project: Hot Spot Refinement Study

Lab#: AD23375-001 **Sample ID: HSI-SB-14(3.5')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	3.5	110	EPA 8260D
1,2-Dichloroethane	mg/kg	4.9	51	EPA 8260D
4-Methyl-2-pentanone	mg/kg	3.8	130	EPA 8260D
Benzene	mg/kg	2.3	4.7	EPA 8260D
Chlorobenzene	mg/kg	2.6	730	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	4.9	20	EPA 8260D
Ethylbenzene	mg/kg	3.6	19	EPA 8260D
m&p-Xylenes	mg/kg	6.6	98	EPA 8260D
Methylene chloride	mg/kg	2.3	110	EPA 8260D
o-Xylene	mg/kg	5.3	23	EPA 8260D
Tetrachloroethene	mg/kg	2.8	34	EPA 8260D
Toluene	mg/kg	2.5	1100	EPA 8260D
Trichloroethene	mg/kg	2.7	770	EPA 8260D
Xylenes (Total)	mg/kg	5.3	120	EPA 8260D

Lab#: AD23375-002 **Sample ID: HSI-SB-14(5')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	3.5	270	EPA 8260D
1,2-Dichloroethane	mg/kg	4.9	90	EPA 8260D
4-Methyl-2-pentanone	mg/kg	3.8	210	EPA 8260D
Benzene	mg/kg	2.3	8.3	EPA 8260D
Chlorobenzene	mg/kg	2.6	1300	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	4.9	41	EPA 8260D
Ethylbenzene	mg/kg	3.6	39	EPA 8260D
Isopropylbenzene	mg/kg	3.8	4.3J	EPA 8260D
m&p-Xylenes	mg/kg	6.6	190	EPA 8260D
Methylene chloride	mg/kg	2.3	180	EPA 8260D
o-Xylene	mg/kg	5.3	43	EPA 8260D
Tetrachloroethene	mg/kg	2.8	65	EPA 8260D
Toluene	mg/kg	2.5	2400	EPA 8260D
trans-1,2-Dichloroethene	mg/kg	2.4	11	EPA 8260D
Trichloroethene	mg/kg	2.7	1400	EPA 8260D
Xylenes (Total)	mg/kg	5.3	230	EPA 8260D

HC Executive Summary

Client: Chesapeake Geosciences Inc **HC Project #:** 1051310

Project: Hot Spot Refinement Study

Lab#: AD23375-003 **Sample ID: HSI-SB-14(6.5')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	3.5	200	EPA 8260D
1,2-Dichloroethane	mg/kg	5.0	62	EPA 8260D
4-Methyl-2-pentanone	mg/kg	3.8	140	EPA 8260D
Benzene	mg/kg	2.3	7.8	EPA 8260D
Chlorobenzene	mg/kg	2.6	710	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	5.0	40	EPA 8260D
Ethylbenzene	mg/kg	3.7	31	EPA 8260D
m&p-Xylenes	mg/kg	6.7	140	EPA 8260D
Methylene chloride	mg/kg	2.3	150	EPA 8260D
o-Xylene	mg/kg	5.4	32	EPA 8260D
Tetrachloroethene	mg/kg	2.8	44	EPA 8260D
Toluene	mg/kg	2.6	1700	EPA 8260D
Trichloroethene	mg/kg	2.7	1200	EPA 8260D
Xylenes (Total)	mg/kg	5.4	170	EPA 8260D

Lab#: AD23375-004 **Sample ID: HSI-SB-14(8')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	3.7	80	EPA 8260D
1,2-Dichloroethane	mg/kg	5.2	17	EPA 8260D
4-Methyl-2-pentanone	mg/kg	4.0	49	EPA 8260D
Chlorobenzene	mg/kg	2.7	320	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	5.2	6.7J	EPA 8260D
Ethylbenzene	mg/kg	3.8	13	EPA 8260D
m&p-Xylenes	mg/kg	6.9	52	EPA 8260D
Methylene chloride	mg/kg	2.4	23	EPA 8260D
o-Xylene	mg/kg	5.6	12	EPA 8260D
Tetrachloroethene	mg/kg	2.9	17	EPA 8260D
Toluene	mg/kg	2.7	510	EPA 8260D
Trichloroethene	mg/kg	2.8	320	EPA 8260D
Xylenes (Total)	mg/kg	5.6	64	EPA 8260D

Lab#: AD23375-005 **Sample ID: HSI-SB-14(10')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	3.7	160	EPA 8260D
1,2-Dichloroethane	mg/kg	5.2	59	EPA 8260D
4-Methyl-2-pentanone	mg/kg	4.0	91	EPA 8260D
Benzene	mg/kg	2.4	8.5	EPA 8260D
Chlorobenzene	mg/kg	2.7	980	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	5.2	44	EPA 8260D
Ethylbenzene	mg/kg	3.8	30	EPA 8260D
m&p-Xylenes	mg/kg	6.9	150	EPA 8260D
Methylene chloride	mg/kg	2.4	110	EPA 8260D
o-Xylene	mg/kg	5.6	33	EPA 8260D
Tetrachloroethene	mg/kg	2.9	52	EPA 8260D
Toluene	mg/kg	2.7	1900	EPA 8260D
trans-1,2-Dichloroethene	mg/kg	2.5	8.0J	EPA 8260D
Trichloroethene	mg/kg	2.8	1400	EPA 8260D
Xylenes (Total)	mg/kg	5.6	180	EPA 8260D

HC Executive Summary

Client: Chesapeake Geosciences Inc **HC Project #:** 1051310

Project: Hot Spot Refinement Study

Lab#: AD23375-006 **Sample ID: HSI-SB-14(12.5')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	3.6	50	EPA 8260D
1,2-Dichloroethane	mg/kg	5.2	18	EPA 8260D
4-Methyl-2-pentanone	mg/kg	4.0	30	EPA 8260D
Benzene	mg/kg	2.4	2.8J	EPA 8260D
Chlorobenzene	mg/kg	2.7	350	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	5.2	27	EPA 8260D
Ethylbenzene	mg/kg	3.8	11	EPA 8260D
m&p-Xylenes	mg/kg	6.9	52	EPA 8260D
Methylene chloride	mg/kg	2.4	47	EPA 8260D
o-Xylene	mg/kg	5.6	12	EPA 8260D
Tetrachloroethene	mg/kg	2.9	20	EPA 8260D
Toluene	mg/kg	2.6	610	EPA 8260D
Trichloroethene	mg/kg	2.8	410	EPA 8260D
Xylenes (Total)	mg/kg	5.6	64	EPA 8260D

Lab#: AD23375-007 **Sample ID: HSI-SB-14(14.5')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	0.00039	0.0053	EPA 8260D
1,2-Dichloroethane	mg/kg	0.00035	0.0065	EPA 8260D
4-Methyl-2-pentanone	mg/kg	0.00050	0.0067	EPA 8260D
Benzene	mg/kg	0.00063	0.0032	EPA 8260D
Chlorobenzene	mg/kg	0.00054	0.097	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	0.00070	0.0066	EPA 8260D
Ethylbenzene	mg/kg	0.00060	0.0024	EPA 8260D
m&p-Xylenes	mg/kg	0.0010	0.0035	EPA 8260D
Methylene chloride	mg/kg	0.00065	0.024	EPA 8260D
o-Xylene	mg/kg	0.00061	0.0013	EPA 8260D
Tetrachloroethene	mg/kg	0.00085	0.0015J	EPA 8260D
Toluene	mg/kg	0.00057	0.065	EPA 8260D
Trichloroethene	mg/kg	0.00071	0.051	EPA 8260D
Vinyl chloride	mg/kg	0.0011	0.0015J	EPA 8260D
Xylenes (Total)	mg/kg	0.00061	0.0048	EPA 8260D

HC Executive Summary

Client: Chesapeake Geosciences Inc **HC Project #:** 1051310

Project: Hot Spot Refinement Study

Lab#: AD23375-008 **Sample ID: HSI-SB-14(16.5')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	0.037	3.4	EPA 8260D
1,2-Dichloroethane	mg/kg	0.053	2.9	EPA 8260D
4-Methyl-2-pentanone	mg/kg	0.040	6.3	EPA 8260D
Benzene	mg/kg	0.024	0.23	EPA 8260D
Chlorobenzene	mg/kg	0.027	21	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	0.052	3.2	EPA 8260D
Ethylbenzene	mg/kg	0.038	0.59	EPA 8260D
Isopropylbenzene	mg/kg	0.041	0.064J	EPA 8260D
m&p-Xylenes	mg/kg	0.070	2.8	EPA 8260D
Methylcyclohexane	mg/kg	0.051	0.065J	EPA 8260D
Methylene chloride	mg/kg	0.024	9.5	EPA 8260D
o-Xylene	mg/kg	0.056	0.64	EPA 8260D
Tetrachloroethene	mg/kg	0.029	0.95	EPA 8260D
Toluene	mg/kg	0.027	41	EPA 8260D
trans-1,2-Dichloroethene	mg/kg	0.025	0.29	EPA 8260D
Trichloroethene	mg/kg	0.028	26	EPA 8260D
Vinyl chloride	mg/kg	0.058	0.28	EPA 8260D
Xylenes (Total)	mg/kg	0.056	3.4	EPA 8260D

Lab#: AD23375-009 **Sample ID: HIS-SB-14(18.5')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	0.00040	0.0015J	EPA 8260D
1,1-Dichloroethane	mg/kg	0.00077	0.0015J	EPA 8260D
1,2-Dichloroethane	mg/kg	0.00036	0.014	EPA 8260D
Benzene	mg/kg	0.00064	0.010	EPA 8260D
Chlorobenzene	mg/kg	0.00055	0.16	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	0.00071	0.073	EPA 8260D
Ethylbenzene	mg/kg	0.00061	0.0026	EPA 8260D
m&p-Xylenes	mg/kg	0.0011	0.0043	EPA 8260D
Methylene chloride	mg/kg	0.00066	0.069	EPA 8260D
o-Xylene	mg/kg	0.00063	0.0021	EPA 8260D
Tetrachloroethene	mg/kg	0.00086	0.0039	EPA 8260D
Toluene	mg/kg	0.00058	0.14	EPA 8260D
trans-1,2-Dichloroethene	mg/kg	0.0011	0.021	EPA 8260D
Trichloroethene	mg/kg	0.00072	0.23	EPA 8260D
Vinyl chloride	mg/kg	0.0011	0.030	EPA 8260D
Xylenes (Total)	mg/kg	0.00063	0.0064	EPA 8260D

HC Executive Summary

Client: Chesapeake Geosciences Inc **HC Project #:** 1051310

Project: Hot Spot Refinement Study

Lab#: AD23375-010 **Sample ID: HSI-SB-D2**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	3.5	240	EPA 8260D
1,2-Dichloroethane	mg/kg	4.9	66	EPA 8260D
4-Methyl-2-pentanone	mg/kg	3.7	150	EPA 8260D
Benzene	mg/kg	2.3	7.2	EPA 8260D
Chlorobenzene	mg/kg	2.5	1100	EPA 8260D
Ethylbenzene	mg/kg	3.6	38	EPA 8260D
Isopropylbenzene	mg/kg	3.8	4.1J	EPA 8260D
m&p-Xylenes	mg/kg	6.5	180	EPA 8260D
Methylene chloride	mg/kg	2.3	110	EPA 8260D
o-Xylene	mg/kg	5.3	40	EPA 8260D
Tetrachloroethene	mg/kg	2.8	60	EPA 8260D
Toluene	mg/kg	2.5	1900	EPA 8260D
trans-1,2-Dichloroethene	mg/kg	2.4	8.1	EPA 8260D
Trichloroethene	mg/kg	2.7	1300	EPA 8260D
Xylenes (Total)	mg/kg	5.3	220	EPA 8260D

Lab#: AD23375-011 **Sample ID: HSI-SB-15(3.5')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	3.5	260	EPA 8260D
1,2-Dichloroethane	mg/kg	5.0	28	EPA 8260D
4-Methyl-2-pentanone	mg/kg	3.8	16	EPA 8260D
Benzene	mg/kg	2.3	2.7J	EPA 8260D
Chlorobenzene	mg/kg	2.6	980	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	5.0	15	EPA 8260D
Ethylbenzene	mg/kg	3.7	29	EPA 8260D
Isopropylbenzene	mg/kg	3.9	6.2J	EPA 8260D
m&p-Xylenes	mg/kg	6.7	170	EPA 8260D
Methylene chloride	mg/kg	2.3	37	EPA 8260D
o-Xylene	mg/kg	5.4	44	EPA 8260D
Tetrachloroethene	mg/kg	2.8	55	EPA 8260D
Toluene	mg/kg	2.6	630	EPA 8260D
trans-1,2-Dichloroethene	mg/kg	2.4	3.3J	EPA 8260D
Trichloroethene	mg/kg	2.7	630	EPA 8260D
Xylenes (Total)	mg/kg	5.4	210	EPA 8260D

HC Executive Summary

Client: Chesapeake Geosciences Inc **HC Project #:** 1051310

Project: Hot Spot Refinement Study

Lab#: AD23375-012 **Sample ID: HSI-SB-15(5.5')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	3.7	130	EPA 8260D
1,2-Dichloroethane	mg/kg	5.3	32	EPA 8260D
4-Methyl-2-pentanone	mg/kg	4.0	59	EPA 8260D
Benzene	mg/kg	2.4	3.3J	EPA 8260D
Chlorobenzene	mg/kg	2.7	820	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	5.3	22	EPA 8260D
Ethylbenzene	mg/kg	3.9	24	EPA 8260D
m&p-Xylenes	mg/kg	7.0	120	EPA 8260D
Methylene chloride	mg/kg	2.4	51	EPA 8260D
o-Xylene	mg/kg	5.6	27	EPA 8260D
Tetrachloroethene	mg/kg	3.0	42	EPA 8260D
Toluene	mg/kg	2.7	900	EPA 8260D
Trichloroethene	mg/kg	2.9	610	EPA 8260D
Xylenes (Total)	mg/kg	5.6	150	EPA 8260D

Lab#: AD23375-013 **Sample ID: HSI-SB-15(6')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	3.9	160	EPA 8260D
1,2-Dichloroethane	mg/kg	5.6	22	EPA 8260D
4-Methyl-2-pentanone	mg/kg	4.3	47	EPA 8260D
Benzene	mg/kg	2.6	3.6J	EPA 8260D
Chlorobenzene	mg/kg	2.9	960	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	5.6	24	EPA 8260D
Ethylbenzene	mg/kg	4.1	31	EPA 8260D
Isopropylbenzene	mg/kg	4.3	4.5J	EPA 8260D
m&p-Xylenes	mg/kg	7.5	160	EPA 8260D
Methylene chloride	mg/kg	2.6	30	EPA 8260D
o-Xylene	mg/kg	6.0	36	EPA 8260D
Tetrachloroethene	mg/kg	3.1	50	EPA 8260D
Toluene	mg/kg	2.9	1100	EPA 8260D
Trichloroethene	mg/kg	3.0	680	EPA 8260D
Xylenes (Total)	mg/kg	6.0	200	EPA 8260D

HC Executive Summary

Client: Chesapeake Geosciences Inc **HC Project #:** 1051310

Project: Hot Spot Refinement Study

Lab#: AD23375-014 **Sample ID: HSI-SB-15(8.5')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	0.41	60	EPA 8260D
1,1,2-Trichloroethane	mg/kg	0.29	1.1	EPA 8260D
1,2-Dichloroethane	mg/kg	0.58	34	EPA 8260D
4-Methyl-2-pentanone	mg/kg	0.44	94	EPA 8260D
Benzene	mg/kg	0.27	2.1	EPA 8260D
Chlorobenzene	mg/kg	0.30	240	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	0.57	29	EPA 8260D
Ethylbenzene	mg/kg	0.42	5.9	EPA 8260D
Isopropylbenzene	mg/kg	0.45	0.61J	EPA 8260D
m&p-Xylenes	mg/kg	0.77	29	EPA 8260D
Methylene chloride	mg/kg	0.27	51	EPA 8260D
o-Xylene	mg/kg	0.62	6.7	EPA 8260D
Tetrachloroethene	mg/kg	0.32	8.0	EPA 8260D
Toluene	mg/kg	0.29	370	EPA 8260D
trans-1,2-Dichloroethene	mg/kg	0.28	2.3	EPA 8260D
Trichloroethene	mg/kg	0.31	250	EPA 8260D
Xylenes (Total)	mg/kg	0.62	36	EPA 8260D

Lab#: AD23375-015 **Sample ID: HSI-SB-15(10')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	0.036	0.83	EPA 8260D
1,2-Dichloroethane	mg/kg	0.051	1.1	EPA 8260D
4-Methyl-2-pentanone	mg/kg	0.039	4.1	EPA 8260D
Benzene	mg/kg	0.024	0.14	EPA 8260D
Chlorobenzene	mg/kg	0.027	4.9	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	0.051	7.7	EPA 8260D
Ethylbenzene	mg/kg	0.038	0.11	EPA 8260D
m&p-Xylenes	mg/kg	0.068	0.52	EPA 8260D
o-Xylene	mg/kg	0.055	0.13	EPA 8260D
Tetrachloroethene	mg/kg	0.029	0.060J	EPA 8260D
Toluene	mg/kg	0.026	9.7	EPA 8260D
trans-1,2-Dichloroethene	mg/kg	0.025	0.22	EPA 8260D
Trichloroethene	mg/kg	0.028	0.085	EPA 8260D
Vinyl chloride	mg/kg	0.057	0.63	EPA 8260D
Xylenes (Total)	mg/kg	0.055	0.65	EPA 8260D

HC Executive Summary

Client: Chesapeake Geosciences Inc **HC Project #:** 1051310

Project: Hot Spot Refinement Study

Lab#: AD23375-016 **Sample ID: HSI-SB-15(12.5')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	0.035	0.79	EPA 8260D
1,2-Dichloroethane	mg/kg	0.050	1.3	EPA 8260D
4-Methyl-2-pentanone	mg/kg	0.038	3.8	EPA 8260D
Benzene	mg/kg	0.023	0.12	EPA 8260D
Chlorobenzene	mg/kg	0.026	4.4	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	0.049	7.6	EPA 8260D
Ethylbenzene	mg/kg	0.036	0.10	EPA 8260D
m&p-Xylenes	mg/kg	0.066	0.50	EPA 8260D
Methylene chloride	mg/kg	0.023	0.13	EPA 8260D
o-Xylene	mg/kg	0.053	0.13	EPA 8260D
Tetrachloroethene	mg/kg	0.028	0.064J	EPA 8260D
Toluene	mg/kg	0.025	8.6	EPA 8260D
trans-1,2-Dichloroethene	mg/kg	0.024	0.26	EPA 8260D
Trichloroethene	mg/kg	0.027	0.42	EPA 8260D
Vinyl chloride	mg/kg	0.055	0.55	EPA 8260D
Xylenes (Total)	mg/kg	0.053	0.63	EPA 8260D

Lab#: AD23375-017 **Sample ID: HSI-SB-15(14')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,2-Dichloroethane	mg/kg	0.053	0.15	EPA 8260D
Chlorobenzene	mg/kg	0.028	0.91	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	0.053	0.43	EPA 8260D
m&p-Xylenes	mg/kg	0.071	0.10	EPA 8260D
Methylene chloride	mg/kg	0.025	0.44	EPA 8260D
Tetrachloroethene	mg/kg	0.030	0.039J	EPA 8260D
Toluene	mg/kg	0.027	1.4	EPA 8260D
Trichloroethene	mg/kg	0.029	1.2	EPA 8260D
Xylenes (Total)	mg/kg	0.057	0.10	EPA 8260D

Lab#: AD23375-018 **Sample ID: HSI-SB-15(16.5')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	0.037	1.8	EPA 8260D
1,2-Dichloroethane	mg/kg	0.053	2.0	EPA 8260D
4-Methyl-2-pentanone	mg/kg	0.040	5.8	EPA 8260D
Benzene	mg/kg	0.024	0.12	EPA 8260D
Chlorobenzene	mg/kg	0.027	7.7	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	0.052	4.5	EPA 8260D
Ethylbenzene	mg/kg	0.039	0.21	EPA 8260D
m&p-Xylenes	mg/kg	0.070	1.0	EPA 8260D
Methyl Acetate	mg/kg	0.058	0.59	EPA 8260D
Methylene chloride	mg/kg	0.024	1.2	EPA 8260D
o-Xylene	mg/kg	0.056	0.25	EPA 8260D
Tetrachloroethene	mg/kg	0.029	0.33	EPA 8260D
Toluene	mg/kg	0.027	11	EPA 8260D
trans-1,2-Dichloroethene	mg/kg	0.026	0.23	EPA 8260D
Trichloroethene	mg/kg	0.028	8.0	EPA 8260D
Vinyl chloride	mg/kg	0.058	0.11	EPA 8260D
Xylenes (Total)	mg/kg	0.056	1.2	EPA 8260D

HC Executive Summary

Client: Chesapeake Geosciences Inc **HC Project #:** 1051310

Project: Hot Spot Refinement Study

Lab#: AD23375-019 **Sample ID: HSI-SB-15(18.5')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,1-Trichloroethane	mg/kg	0.00078	0.0013J	EPA 8260D
1,1,2,2-Tetrachloroethane	mg/kg	0.00038	0.00071J	EPA 8260D
1,1-Dichloroethane	mg/kg	0.00074	0.0027	EPA 8260D
1,1-Dichloroethene	mg/kg	0.00098	0.0030	EPA 8260D
1,2-Dichlorobenzene	mg/kg	0.00043	0.00049J	EPA 8260D
1,2-Dichloroethane	mg/kg	0.00035	0.0057	EPA 8260D
1,3-Dichlorobenzene	mg/kg	0.00047	0.00069J	EPA 8260D
Benzene	mg/kg	0.00062	0.0037	EPA 8260D
Bromochloromethane	mg/kg	0.00059	0.0015J	EPA 8260D
Bromodichloromethane	mg/kg	0.00040	0.00054J	EPA 8260D
Carbon tetrachloride	mg/kg	0.00082	0.0010J	EPA 8260D
Chlorobenzene	mg/kg	0.00053	0.065	EPA 8260D
Chloroform	mg/kg	0.0012	0.0019	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	0.00069	0.020	EPA 8260D
Ethylbenzene	mg/kg	0.00059	0.00070J	EPA 8260D
m&p-Xylenes	mg/kg	0.0010	0.0023	EPA 8260D
Methylene chloride	mg/kg	0.00064	0.012	EPA 8260D
Methyl-t-butyl ether	mg/kg	0.00046	0.0018	EPA 8260D
o-Xylene	mg/kg	0.00060	0.0010	EPA 8260D
Tetrachloroethene	mg/kg	0.00083	0.0014J	EPA 8260D
Toluene	mg/kg	0.00056	0.027	EPA 8260D
trans-1,2-Dichloroethene	mg/kg	0.0010	0.0049	EPA 8260D
Trichloroethene	mg/kg	0.00070	0.033	EPA 8260D
Trichlorofluoromethane	mg/kg	0.0010	0.0033	EPA 8260D
Vinyl chloride	mg/kg	0.0010	0.010	EPA 8260D
Xylenes (Total)	mg/kg	0.00060	0.0033	EPA 8260D

Lab#: AD23375-020 **Sample ID: HSI-SB-D3**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	3.8	60	EPA 8260D
1,2-Dichloroethane	mg/kg	5.4	22	EPA 8260D
4-Methyl-2-pentanone	mg/kg	4.1	48	EPA 8260D
Chlorobenzene	mg/kg	2.8	520	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	5.4	17	EPA 8260D
Ethylbenzene	mg/kg	3.9	16	EPA 8260D
m&p-Xylenes	mg/kg	7.2	72	EPA 8260D
Methylene chloride	mg/kg	2.5	37	EPA 8260D
o-Xylene	mg/kg	5.8	19	EPA 8260D
Tetrachloroethene	mg/kg	3.0	24	EPA 8260D
Toluene	mg/kg	2.8	580	EPA 8260D
Trichloroethene	mg/kg	2.9	390	EPA 8260D
Xylenes (Total)	mg/kg	5.8	91	EPA 8260D

HC Report of Analysis

Client: Chesapeake Geosciences Inc
HC Project #: 1051310
Project: Hot Spot Refinement Study

Sample ID: HSI-SB-14(3.5')
Lab#: AD23375-001
Matrix: Soil/Terracore
Collection Date: 5/12/2021
Receipt Date: 5/13/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		86

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	6650	mg/kg	2.8	7.7	ND
1,1,2,2-Tetrachloroethane	**6650**	**mg/kg**	**3.5**	7.7	**110**
1,1,2-Trichloro-1,2,2-trifluoroethane	6650	mg/kg	5.6	7.7	ND
1,1,2-Trichloroethane	6650	mg/kg	2.5	7.7	ND
1,1-Dichloroethane	6650	mg/kg	3.3	7.7	ND
1,1-Dichloroethene	6650	mg/kg	4.1	7.7	ND
1,2,3-Trichlorobenzene	6650	mg/kg	6.1	7.7	ND
1,2,4-Trichlorobenzene	6650	mg/kg	5.6	7.7	ND
1,2-Dibromo-3-chloropropane	6650	mg/kg	6.5	7.7	ND
1,2-Dibromoethane	6650	mg/kg	2.6	7.7	ND
1,2-Dichlorobenzene	6650	mg/kg	2.5	7.7	ND
1,2-Dichloroethane	**6650**	**mg/kg**	**4.9**	4.9	**51**
1,2-Dichloropropane	6650	mg/kg	2.3	7.7	ND
1,3-Dichlorobenzene	6650	mg/kg	2.9	7.7	ND
1,4-Dichlorobenzene	6650	mg/kg	2.8	7.7	ND
1,4-Dioxane	6650	mg/kg	300	390	ND
2-Butanone	6650	mg/kg	5.8	7.7	ND
2-Hexanone	6650	mg/kg	4.6	7.7	ND
4-Methyl-2-pentanone	**6650**	**mg/kg**	**3.8**	7.7	**130**
Acetone	6650	mg/kg	35	39	ND
Benzene	**6650**	**mg/kg**	**2.3**	3.9	**4.7**
Bromochloromethane	6650	mg/kg	6.1	7.7	ND
Bromodichloromethane	6650	mg/kg	2.7	7.7	ND
Bromoform	6650	mg/kg	4.2	7.7	ND
Bromomethane	6650	mg/kg	3.9	7.7	ND
Carbon disulfide	6650	mg/kg	3.3	7.7	ND
Carbon tetrachloride	6650	mg/kg	2.5	7.7	ND
Chlorobenzene	**6650**	**mg/kg**	**2.6**	7.7	**730**
Chloroethane	6650	mg/kg	4.5	7.7	ND
Chloroform	6650	mg/kg	15	15	ND
Chloromethane	6650	mg/kg	4.0	7.7	ND
cis-1,2-Dichloroethene	**6650**	**mg/kg**	**4.9**	7.7	**20**
cis-1,3-Dichloropropene	6650	mg/kg	2.5	7.7	ND
Cyclohexane	6650	mg/kg	3.8	7.7	ND
Dibromochloromethane	6650	mg/kg	1.8	7.7	ND
Dichlorodifluoromethane	6650	mg/kg	4.8	7.7	ND
Ethylbenzene	**6650**	**mg/kg**	**3.6**	7.7	**19**
Isopropylbenzene	6650	mg/kg	3.8	7.7	ND
m&p-Xylenes	**6650**	**mg/kg**	**6.6**	7.7	**98**
Methyl Acetate	6650	mg/kg	5.4	7.7	ND
Methylcyclohexane	6650	mg/kg	4.7	7.7	ND
Methylene chloride	**6650**	**mg/kg**	**2.3**	7.7	**110**
Methyl-t-butyl ether	6650	mg/kg	2.4	3.9	ND
o-Xylene	**6650**	**mg/kg**	**5.3**	7.7	**23**
Styrene	6650	mg/kg	4.2	7.7	ND
Tetrachloroethene	**6650**	**mg/kg**	**2.8**	7.7	**34**
Toluene	**6650**	**mg/kg**	**2.5**	7.7	**1100**
trans-1,2-Dichloroethene	6650	mg/kg	2.4	7.7	ND
trans-1,3-Dichloropropene	6650	mg/kg	2.4	7.7	ND
Trichloroethene	**6650**	**mg/kg**	**2.7**	7.7	**770**
Trichlorofluoromethane	6650	mg/kg	2.4	7.7	ND
Vinyl chloride	6650	mg/kg	5.5	7.7	ND
Xylenes (Total)	**6650**	**mg/kg**	**5.3**	7.7	**120**

Sample ID: HSI-SB-14(5')
Lab#: AD23375-002
Matrix: Soil/Terracore

Collection Date: 5/12/2021
Receipt Date: 5/13/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		85

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	6580	mg/kg	2.8	7.7	ND
1,1,2,2-Tetrachloroethane	**6580**	**mg/kg**	**3.5**	7.7	**270**
1,1,2-Trichloro-1,2,2-trifluoroethane	6580	mg/kg	5.6	7.7	ND
1,1,2-Trichloroethane	6580	mg/kg	2.5	7.7	ND
1,1-Dichloroethane	6580	mg/kg	3.3	7.7	ND
1,1-Dichloroethene	6580	mg/kg	4.1	7.7	ND
1,2,3-Trichlorobenzene	6580	mg/kg	6.1	7.7	ND
1,2,4-Trichlorobenzene	6580	mg/kg	5.6	7.7	ND
1,2-Dibromo-3-chloropropane	6580	mg/kg	6.5	7.7	ND
1,2-Dibromoethane	6580	mg/kg	2.7	7.7	ND
1,2-Dichlorobenzene	6580	mg/kg	2.5	7.7	ND
1,2-Dichloroethane	**6580**	**mg/kg**	**4.9**	4.9	**90**
1,2-Dichloropropane	6580	mg/kg	2.3	7.7	ND
1,3-Dichlorobenzene	6580	mg/kg	2.9	7.7	ND
1,4-Dichlorobenzene	6580	mg/kg	2.8	7.7	ND
1,4-Dioxane	6580	mg/kg	300	390	ND
2-Butanone	6580	mg/kg	5.8	7.7	ND
2-Hexanone	6580	mg/kg	4.6	7.7	ND
4-Methyl-2-pentanone	**6580**	**mg/kg**	**3.6**	7.7	**210**
Acetone	6580	mg/kg	35	39	ND
Benzene	**6580**	**mg/kg**	**2.3**	3.9	**6.3**
Bromochloromethane	6580	mg/kg	6.1	7.7	ND
Bromodichloromethane	6580	mg/kg	2.7	7.7	ND
Bromoform	6580	mg/kg	4.2	7.7	ND
Bromomethane	6580	mg/kg	3.9	7.7	ND
Carbon disulfide	6580	mg/kg	3.3	7.7	ND
Carbon tetrachloride	6580	mg/kg	2.5	7.7	ND
Chlorobenzene	**6580**	**mg/kg**	**2.6**	7.7	**1300**
Chloroethane	6580	mg/kg	4.5	7.7	ND
Chloroform	6580	mg/kg	15	15	ND
Chloromethane	6580	mg/kg	4.0	7.7	ND
cis-1,2-Dichloroethene	**6580**	**mg/kg**	**4.9**	7.7	**41**
cis-1,3-Dichloropropene	6580	mg/kg	2.5	7.7	ND
Cyclohexane	6580	mg/kg	3.8	7.7	ND
Dibromochloromethane	6580	mg/kg	1.9	7.7	ND
Dichlorodifluoromethane	6580	mg/kg	4.8	7.7	ND
Ethylbenzene	**6580**	**mg/kg**	**3.6**	7.7	**39**
Isopropylbenzene	**6580**	**mg/kg**	**3.8**	7.7	**4.3J**
m&p-Xylenes	**6580**	**mg/kg**	**6.6**	7.7	**190**
Methyl Acetate	6580	mg/kg	5.4	7.7	ND
Methylcyclohexane	6580	mg/kg	4.8	7.7	ND
Methylene chloride	**6580**	**mg/kg**	**2.3**	7.7	**180**
Methyl-t-butyl ether	6580	mg/kg	2.4	3.9	ND
o-Xylene	**6580**	**mg/kg**	**5.3**	7.7	**43**
Styrene	6580	mg/kg	4.2	7.7	ND
Tetrachloroethene	**6580**	**mg/kg**	**2.8**	7.7	**65**
Toluene	**6580**	**mg/kg**	**2.5**	7.7	**2400**
trans-1,2-Dichloroethene	**6580**	**mg/kg**	**2.4**	7.7	**11**
trans-1,3-Dichloropropene	6580	mg/kg	2.4	7.7	ND
Trichloroethene	**6580**	**mg/kg**	**2.7**	7.7	**1400**
Trichlorofluoromethane	6580	mg/kg	2.4	7.7	ND
Vinyl chloride	6580	mg/kg	5.5	7.7	ND
Xylenes (Total)	**6580**	**mg/kg**	**5.3**	7.7	**230**

Sample ID: HSI-SB-14(6.5')
Lab#: AD23375-003
Matrix: Soil/Terracore

Collection Date: 5/12/2021
Receipt Date: 5/13/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		82

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	6440	mg/kg	2.8	7.9	ND
1,1,2,2-Tetrachloroethane	**6440**	**mg/kg**	**3.5**	7.9	**200**
1,1,2-Trichloro-1,2,2-trifluoroethane	6440	mg/kg	5.7	7.9	ND
1,1,2-Trichloroethane	6440	mg/kg	2.5	7.9	ND
1,1-Dichloroethane	6440	mg/kg	3.4	7.9	ND
1,1-Dichloroethene	6440	mg/kg	4.2	7.9	ND
1,2,3-Trichlorobenzene	6440	mg/kg	6.2	7.9	ND
1,2,4-Trichlorobenzene	6440	mg/kg	5.7	7.9	ND
1,2-Dibromo-3-chloropropane	6440	mg/kg	6.6	7.9	ND
1,2-Dibromoethane	6440	mg/kg	2.7	7.9	ND
1,2-Dichlorobenzene	6440	mg/kg	2.5	7.9	ND
1,2-Dichloroethane	**6440**	**mg/kg**	**5.0**	5.0	**62**
1,2-Dichloropropane	6440	mg/kg	2.4	7.9	ND
1,3-Dichlorobenzene	6440	mg/kg	3.0	7.9	ND
1,4-Dichlorobenzene	6440	mg/kg	2.9	7.9	ND
1,4-Dioxane	6440	mg/kg	310	390	ND
2-Butanone	6440	mg/kg	5.9	7.9	ND
2-Hexanone	6440	mg/kg	4.7	7.9	ND
4-Methyl-2-pentanone	**6440**	**mg/kg**	**3.8**	7.9	**140**
Acetone	6440	mg/kg	36	39	ND
Benzene	**6440**	**mg/kg**	**2.3**	3.9	**7.8**
Bromochloromethane	6440	mg/kg	6.2	7.9	ND
Bromodichloromethane	6440	mg/kg	2.7	7.9	ND
Bromoform	6440	mg/kg	4.2	7.9	ND
Bromomethane	6440	mg/kg	3.9	7.9	ND
Carbon disulfide	6440	mg/kg	3.3	7.9	ND
Carbon tetrachloride	6440	mg/kg	2.5	7.9	ND
Chlorobenzene	**6440**	**mg/kg**	**2.6**	7.9	**710**
Chloroethane	6440	mg/kg	4.6	7.9	ND
Chloroform	6440	mg/kg	15	15	ND
Chloromethane	6440	mg/kg	4.1	7.9	ND
cis-1,2-Dichloroethene	**6440**	**mg/kg**	**5.0**	7.9	**40**
cis-1,3-Dichloropropene	6440	mg/kg	2.5	7.9	ND
Cyclohexane	6440	mg/kg	3.8	7.9	ND
Dibromochloromethane	6440	mg/kg	1.9	7.9	ND
Dichlorodifluoromethane	6440	mg/kg	4.9	7.9	ND
Ethylbenzene	**6440**	**mg/kg**	**3.7**	7.9	**31**
Isopropylbenzene	6440	mg/kg	3.9	7.9	ND
m&p-Xylenes	**6440**	**mg/kg**	**6.7**	7.9	**140**
Methyl Acetate	6440	mg/kg	5.5	7.9	ND
Methylcyclohexane	6440	mg/kg	4.8	7.9	ND
Methylene chloride	**6440**	**mg/kg**	**2.3**	7.9	**150**
Methyl-t-butyl ether	6440	mg/kg	2.5	3.9	ND
o-Xylene	**6440**	**mg/kg**	**5.4**	7.9	**32**
Styrene	6440	mg/kg	4.3	7.9	ND
Tetrachloroethene	**6440**	**mg/kg**	**2.8**	7.9	**44**
Toluene	**6440**	**mg/kg**	**2.6**	7.9	**1700**
trans-1,2-Dichloroethene	6440	mg/kg	2.4	7.9	ND
trans-1,3-Dichloropropene	6440	mg/kg	2.4	7.9	ND
Trichloroethene	**6440**	**mg/kg**	**2.7**	7.9	**1200**
Trichlorofluoromethane	6440	mg/kg	2.4	7.9	ND
Vinyl chloride	6440	mg/kg	5.6	7.9	ND
Xylenes (Total)	**6440**	**mg/kg**	**5.4**	7.9	**170**

Sample ID: HSI-SB-14(8')
Lab#: AD23375-004
Matrix: Soil/Terracore

Collection Date: 5/12/2021
Receipt Date: 5/13/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		83

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	6780	mg/kg	2.9	8.2	ND
1,1,2,2-Tetrachloroethane	**6780**	**mg/kg**	**3.7**	8.2	**80**
1,1,2-Trichloro-1,2,2-trifluoroethane	6780	mg/kg	5.9	8.2	ND
1,1,2-Trichloroethane	6780	mg/kg	2.6	8.2	ND
1,1-Dichloroethane	6780	mg/kg	3.5	8.2	ND
1,1-Dichloroethene	6780	mg/kg	4.4	8.2	ND
1,2,3-Trichlorobenzene	6780	mg/kg	6.4	8.2	ND
1,2,4-Trichlorobenzene	6780	mg/kg	5.9	8.2	ND
1,2-Dibromo-3-chloropropane	6780	mg/kg	6.8	6.2	ND
1,2-Dibromoethane	6780	mg/kg	2.8	8.2	ND
1,2-Dichlorobenzene	6780	mg/kg	2.6	8.2	ND
1,2-Dichloroethane	**6780**	**mg/kg**	**5.2**	5.2	**17**
1,2-Dichloropropane	6780	mg/kg	2.4	8.2	ND
1,3-Dichlorobenzene	6780	mg/kg	3.1	8.2	ND
1,4-Dichlorobenzene	6780	mg/kg	3.0	8.2	ND
1,4-Dioxane	6780	mg/kg	320	410	ND
2-Butanone	6780	mg/kg	6.1	8.2	ND
2-Hexanone	6780	mg/kg	4.9	8.2	ND
4-Methyl-2-pentanone	**6780**	**mg/kg**	**4.0**	8.2	**49**
Acetone	6780	mg/kg	37	41	ND
Benzene	6780	mg/kg	2.4	4.1	ND
Bromochloromethane	6780	mg/kg	6.4	8.2	ND
Bromodichloromethane	6780	mg/kg	2.8	8.2	ND
Bromoform	6780	mg/kg	4.4	8.2	ND
Bromomethane	6780	mg/kg	4.1	8.2	ND
Carbon disulfide	6780	mg/kg	3.5	8.2	ND
Carbon tetrachloride	6780	mg/kg	2.6	8.2	ND
Chlorobenzene	**6780**	**mg/kg**	**2.7**	8.2	**320**
Chloroethane	6780	mg/kg	4.7	8.2	ND
Chloroform	6780	mg/kg	16	16	ND
Chloromethane	6780	mg/kg	4.2	8.2	ND
cis-1,2-Dichloroethene	**6780**	**mg/kg**	**5.2**	8.2	**6.7J**
cis-1,3-Dichloropropene	6780	mg/kg	2.6	8.2	ND
Cyclohexane	6780	mg/kg	4.0	8.2	ND
Dibromochloromethane	6780	mg/kg	2.0	8.2	ND
Dichlorodifluoromethane	6780	mg/kg	5.1	8.2	ND
Ethylbenzene	**6780**	**mg/kg**	**3.8**	8.2	**13**
Isopropylbenzene	6780	mg/kg	4.0	8.2	ND
m&p-Xylenes	**6780**	**mg/kg**	**6.9**	8.2	**52**
Methyl Acetate	6780	mg/kg	5.7	8.2	ND
Methylcyclohexane	6780	mg/kg	5.0	8.2	ND
Methylene chloride	**6780**	**mg/kg**	**2.4**	8.2	**23**
Methyl-t-butyl ether	6780	mg/kg	2.6	4.1	ND
o-Xylene	**6780**	**mg/kg**	**5.6**	8.2	**12**
Styrene	6780	mg/kg	4.4	8.2	ND
Tetrachloroethene	**6780**	**mg/kg**	**2.9**	8.2	**17**
Toluene	**6780**	**mg/kg**	**2.7**	8.2	**510**
trans-1,2-Dichloroethene	6780	mg/kg	2.5	8.2	ND
trans-1,3-Dichloropropene	6780	mg/kg	2.5	8.2	ND
Trichloroethene	**6780**	**mg/kg**	**2.8**	8.2	**320**
Trichlorofluoromethane	6780	mg/kg	2.5	8.2	ND
Vinyl chloride	6780	mg/kg	5.8	8.2	ND
Xylenes (Total)	**6780**	**mg/kg**	**5.6**	8.2	**64**

Sample ID: HSI-SB-14(10')
Lab#: AD23375-005
Matrix: Soil/Terracore

Collection Date: 5/12/2021
Receipt Date: 5/13/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		83

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	6780	mg/kg	2.9	8.2	ND
1,1,2,2-Tetrachloroethane	**6780**	**mg/kg**	**3.7**	8.2	**160**
1,1,2-Trichloro-1,2,2-trifluoroethane	6780	mg/kg	5.9	8.2	ND
1,1,2-Trichloroethane	6780	mg/kg	2.6	8.2	ND
1,1-Dichloroethane	6780	mg/kg	3.5	8.2	ND
1,1-Dichloroethene	6780	mg/kg	4.3	8.2	ND
1,2,3-Trichlorobenzene	6780	mg/kg	6.4	8.2	ND
1,2,4-Trichlorobenzene	6780	mg/kg	5.9	8.2	ND
1,2-Dibromo-3-chloropropane	6780	mg/kg	6.8	8.2	ND
1,2-Dibromoethane	6780	mg/kg	2.8	8.2	ND
1,2-Dichlorobenzene	6780	mg/kg	2.6	8.2	ND
1,2-Dichloroethane	**6780**	**mg/kg**	**5.2**	5.2	**59**
1,2-Dichloropropane	6780	mg/kg	2.4	8.2	ND
1,3-Dichlorobenzene	6780	mg/kg	3.1	8.2	ND
1,4-Dichlorobenzene	6780	mg/kg	3.0	8.2	ND
1,4-Dioxane	6780	mg/kg	320	410	ND
2-Butanone	6780	mg/kg	6.1	8.2	ND
2-Hexanone	6780	mg/kg	4.9	8.2	ND
4-Methyl-2-pentanone	**6780**	**mg/kg**	**4.0**	8.2	**91**
Acetone	6780	mg/kg	37	41	ND
Benzene	**6780**	**mg/kg**	**2.4**	4.1	**8.5**
Bromochloromethane	6780	mg/kg	6.4	8.2	ND
Bromodichloromethane	6780	mg/kg	2.8	8.2	ND
Bromoform	6780	mg/kg	4.4	8.2	ND
Bromomethane	6780	mg/kg	4.1	8.2	ND
Carbon disulfide	6780	mg/kg	3.5	8.2	ND
Carbon tetrachloride	6780	mg/kg	2.6	8.2	ND
Chlorobenzene	**6780**	**mg/kg**	**2.7**	8.2	**980**
Chloroethane	6780	mg/kg	4.7	8.2	ND
Chloroform	6780	mg/kg	16	16	ND
Chloromethane	6780	mg/kg	4.2	8.2	ND
cis-1,2-Dichloroethene	**6780**	**mg/kg**	**5.2**	8.2	**44**
cis-1,3-Dichloropropene	6780	mg/kg	2.6	8.2	ND
Cyclohexane	6780	mg/kg	4.0	8.2	ND
Dibromochloromethane	6780	mg/kg	2.0	8.2	ND
Dichlorodifluoromethane	6780	mg/kg	5.1	8.2	ND
Ethylbenzene	**6780**	**mg/kg**	**3.8**	8.2	**30**
Isopropylbenzene	6780	mg/kg	4.0	8.2	ND
m&p-Xylenes	**6780**	**mg/kg**	**6.9**	8.2	**150**
Methyl Acetate	6780	mg/kg	5.7	8.2	ND
Methylcyclohexane	6780	mg/kg	5.0	8.2	ND
Methylene chloride	**6780**	**mg/kg**	**2.4**	8.2	**110**
Methyl-t-butyl ether	6780	mg/kg	2.5	4.1	ND
o-Xylene	**6780**	**mg/kg**	**5.6**	8.2	**33**
Styrene	6780	mg/kg	4.4	8.2	ND
Tetrachloroethene	**6780**	**mg/kg**	**2.9**	8.2	**52**
Toluene	**6780**	**mg/kg**	**2.7**	8.2	**1900**
trans-1,2-Dichloroethene	**6780**	**mg/kg**	**2.5**	8.2	**8.0J**
trans-1,3-Dichloropropene	6780	mg/kg	2.5	8.2	ND
Trichloroethene	**6780**	**mg/kg**	**2.8**	8.2	**1400**
Trichlorofluoromethane	6780	mg/kg	2.5	8.2	ND
Vinyl chloride	6780	mg/kg	5.8	8.2	ND
Xylenes (Total)	**6780**	**mg/kg**	**5.6**	8.2	**180**

Sample ID: HSI-SB-14(12.5')
Lab#: AD23375-006
Matrix: Soil/Terracore

Collection Date: 5/12/2021
Receipt Date: 5/13/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		81

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	6590	mg/kg	2.9	8.1	ND
1,1,2,2-Tetrachloroethane	**6590**	**mg/kg**	**3.6**	8.1	**50**
1,1,2-Trichloro-1,2,2-trifluoroethane	6590	mg/kg	5.9	8.1	ND
1,1,2-Trichloroethane	6590	mg/kg	2.6	8.1	ND
1,1-Dichloroethane	6590	mg/kg	3.5	8.1	ND
1,1-Dichloroethene	6590	mg/kg	4.3	8.1	ND
1,2,3-Trichlorobenzene	6590	mg/kg	6.4	8.1	ND
1,2,4-Trichlorobenzene	6590	mg/kg	5.9	8.1	ND
1,2-Dibromo-3-chloropropane	6590	mg/kg	6.8	8.1	ND
1,2-Dibromoethane	6590	mg/kg	2.8	8.1	ND
1,2-Dichlorobenzene	6590	mg/kg	2.6	8.1	ND
1,2-Dichloroethane	**6590**	**mg/kg**	**5.2**	5.2	**18**
1,2-Dichloropropane	6590	mg/kg	2.4	8.1	ND
1,3-Dichlorobenzene	6590	mg/kg	3.1	8.1	ND
1,4-Dichlorobenzene	6590	mg/kg	3.0	8.1	ND
1,4-Dioxane	6590	mg/kg	320	410	ND
2-Butanone	6590	mg/kg	6.1	8.1	ND
2-Hexanone	6590	mg/kg	4.9	8.1	ND
4-Methyl-2-pentanone	**6590**	**mg/kg**	**4.0**	8.1	**30**
Acetone	6590	mg/kg	37	41	ND
Benzene	**6590**	**mg/kg**	**2.4**	4.1	**2.8J**
Bromochloromethane	6590	mg/kg	6.4	8.1	ND
Bromodichloromethane	6590	mg/kg	2.8	8.1	ND
Bromoform	6590	mg/kg	4.4	8.1	ND
Bromomethane	6590	mg/kg	4.1	8.1	ND
Carbon disulfide	6590	mg/kg	3.4	8.1	ND
Carbon tetrachloride	6590	mg/kg	2.6	8.1	ND
Chlorobenzene	**6590**	**mg/kg**	**2.7**	8.1	**350**
Chloroethane	6590	mg/kg	4.7	8.1	ND
Chloroform	6590	mg/kg	16	16	ND
Chloromethane	6590	mg/kg	4.2	8.1	ND
cis-1,2-Dichloroethene	**6590**	**mg/kg**	**5.2**	8.1	**27**
cis-1,3-Dichloropropene	6590	mg/kg	2.6	8.1	ND
Cyclohexane	6590	mg/kg	4.0	8.1	ND
Dibromochloromethane	6590	mg/kg	1.9	8.1	ND
Dichlorodifluoromethane	6590	mg/kg	5.0	8.1	ND
Ethylbenzene	**6590**	**mg/kg**	**3.8**	8.1	**11**
Isopropylbenzene	6590	mg/kg	4.0	8.1	ND
m&p-Xylenes	**6590**	**mg/kg**	**6.9**	8.1	**52**
Methyl Acetate	6590	mg/kg	5.7	8.1	ND
Methylcyclohexane	6590	mg/kg	5.0	8.1	ND
Methylene chloride	**6590**	**mg/kg**	**2.4**	8.1	**47**
Methyl-t-butyl ether	6590	mg/kg	2.5	4.1	ND
o-Xylene	**6590**	**mg/kg**	**5.6**	8.1	**12**
Styrene	6590	mg/kg	4.4	8.1	ND
Tetrachloroethene	**6590**	**mg/kg**	**2.9**	8.1	**20**
Toluene	**6590**	**mg/kg**	**2.6**	8.1	**610**
trans-1,2-Dichloroethene	6590	mg/kg	2.5	8.1	ND
trans-1,3-Dichloropropene	6590	mg/kg	2.5	8.1	ND
Trichloroethene	**6590**	**mg/kg**	**2.8**	8.1	**410**
Trichlorofluoromethane	6590	mg/kg	2.5	8.1	ND
Vinyl chloride	6590	mg/kg	5.7	8.1	ND
Xylenes (Total)	**6590**	**mg/kg**	**5.6**	8.1	**64**

Sample ID: HSI-SB-14(14.5')
Lab#: AD23375-007
Matrix: Soil/Terracore

Collection Date: 5/12/2021
Receipt Date: 5/13/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		80

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	0.692	mg/kg	0.00080	0.0017	ND
1,1,2,2-Tetrachloroethane	**0.692**	**mg/kg**	**0.00039**	0.0017	**0.0053**
1,1,2-Trichloro-1,2,2-trifluoroethane	0.692	mg/kg	0.0012	0.0017	ND
1,1,2-Trichloroethane	0.692	mg/kg	0.00040	0.0017	ND
1,1-Dichloroethane	0.692	mg/kg	0.00075	0.0017	ND
1,1-Dichloroethene	0.692	mg/kg	0.00099	0.0017	ND
1,2,3-Trichlorobenzene	0.692	mg/kg	0.00048	0.0017	ND
1,2,4-Trichlorobenzene	0.692	mg/kg	0.00054	0.0017	ND
1,2-Dibromo-3-chloropropane	0.692	mg/kg	0.00048	0.0017	ND
1,2-Dibromoethane	0.692	mg/kg	0.00042	0.00043	ND
1,2-Dichlorobenzene	0.692	mg/kg	0.00044	0.0017	ND
1,2-Dichloroethane	**0.692**	**mg/kg**	**0.00035**	0.0017	**0.0065**
1,2-Dichloropropane	0.692	mg/kg	0.00071	0.0017	ND
1,3-Dichlorobenzene	0.692	mg/kg	0.00048	0.0017	ND
1,4-Dichlorobenzene	0.692	mg/kg	0.00046	0.0017	ND
1,4-Dioxane	0.692	mg/kg	0.042	0.086	ND
2-Butanone	0.692	mg/kg	0.0010	0.0017	ND
2-Hexanone	0.692	mg/kg	0.00073	0.0017	ND
4-Methyl-2-pentanone	**0.692**	**mg/kg**	**0.00050**	0.0017	**0.0067**
Acetone	0.692	mg/kg	0.0059	0.0086	ND
Benzene	**0.692**	**mg/kg**	**0.00063**	0.00086	**0.0032**
Bromochloromethane	0.692	mg/kg	0.00061	0.0017	ND
Bromodichloromethane	0.692	mg/kg	0.00041	0.0017	ND
Bromoform	0.692	mg/kg	0.00029	0.0017	ND
Bromomethane	0.692	mg/kg	0.0014	0.0017	ND
Carbon disulfide	0.692	mg/kg	0.0029	0.0029	ND
Carbon tetrachloride	0.692	mg/kg	0.00084	0.0017	ND
Chlorobenzene	**0.692**	**mg/kg**	**0.00054**	0.0017	**0.097**
Chloroethane	0.692	mg/kg	0.0017	0.0017	ND
Chloroform	0.692	mg/kg	0.0012	0.0017	ND
Chloromethane	0.692	mg/kg	0.0011	0.0017	ND
cis-1,2-Dichloroethene	**0.692**	**mg/kg**	**0.00070**	0.0017	**0.0066**
cis-1,3-Dichloropropene	0.692	mg/kg	0.00046	0.0017	ND
Cyclohexane	0.692	mg/kg	0.0010	0.0017	ND
Dibromochloromethane	0.692	mg/kg	0.00037	0.0017	ND
Dichlorodifluoromethane	0.692	mg/kg	0.0012	0.0017	ND
Ethylbenzene	**0.692**	**mg/kg**	**0.00060**	0.00086	**0.0024**
Isopropylbenzene	0.692	mg/kg	0.00072	0.00086	ND
m&p-Xylenes	**0.692**	**mg/kg**	**0.0010**	0.0010	**0.0035**
Methyl Acetate	0.692	mg/kg	0.00083	0.0017	ND
Methylcyclohexane	0.692	mg/kg	0.00078	0.0017	ND
Methylene chloride	**0.692**	**mg/kg**	**0.00065**	0.0017	**0.024**
Methyl-t-butyl ether	0.692	mg/kg	0.00047	0.00086	ND
o-Xylene	**0.692**	**mg/kg**	**0.00061**	0.00086	**0.0013**
Styrene	0.692	mg/kg	0.00048	0.0017	ND
Tetrachloroethene	**0.692**	**mg/kg**	**0.00085**	0.0017	**0.0015J**
Toluene	**0.692**	**mg/kg**	**0.00057**	0.00086	**0.065**
trans-1,2-Dichloroethene	0.692	mg/kg	0.0010	0.0017	ND
trans-1,3-Dichloropropene	0.692	mg/kg	0.00041	0.0017	ND
Trichloroethene	**0.692**	**mg/kg**	**0.00071**	0.0017	**0.051**
Trichlorofluoromethane	0.692	mg/kg	0.0010	0.0017	ND
Vinyl chloride	**0.692**	**mg/kg**	**0.0011**	0.0017	**0.0015J**
Xylenes (Total)	**0.692**	**mg/kg**	**0.00061**	0.00086	**0.0048**

Sample ID: HSI-SB-14(16.5')
Lab#: AD23375-008
Matrix: Soil/Terracore

Collection Date: 5/12/2021
Receipt Date: 5/13/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		81

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	66.7	mg/kg	0.029	0.082	ND
1,1,2,2-Tetrachloroethane	**66.7**	**mg/kg**	**0.037**	0.082	**3.4**
1,1,2-Trichloro-1,2,2-trifluoroethane	66.7	mg/kg	0.060	0.082	ND
1,1,2-Trichloroethane	66.7	mg/kg	0.026	0.082	ND
1,1-Dichloroethane	66.7	mg/kg	0.035	0.082	ND
1,1-Dichloroethene	66.7	mg/kg	0.044	0.082	ND
1,2,3-Trichlorobenzene	66.7	mg/kg	0.065	0.082	ND
1,2,4-Trichlorobenzene	66.7	mg/kg	0.060	0.082	ND
1,2-Dibromo-3-chloropropane	66.7	mg/kg	0.069	0.082	ND
1,2-Dibromoethane	66.7	mg/kg	0.028	0.082	ND
1,2-Dichlorobenzene	66.7	mg/kg	0.027	0.082	ND
1,2-Dichloroethane	**66.7**	**mg/kg**	**0.053**	0.053	**2.9**
1,2-Dichloropropane	66.7	mg/kg	0.025	0.082	ND
1,3-Dichlorobenzene	66.7	mg/kg	0.031	0.082	ND
1,4-Dichlorobenzene	66.7	mg/kg	0.030	0.082	ND
1,4-Dioxane	66.7	mg/kg	3.2	4.1	ND
2-Butanone	66.7	mg/kg	0.062	0.082	ND
2-Hexanone	66.7	mg/kg	0.049	0.082	ND
4-Methyl-2-pentanone	**66.7**	**mg/kg**	**0.040**	0.082	**6.3**
Acetone	66.7	mg/kg	0.38	0.41	ND
Benzene	**66.7**	**mg/kg**	**0.024**	0.041	**0.23**
Bromochloromethane	66.7	mg/kg	0.065	0.082	ND
Bromodichloromethane	66.7	mg/kg	0.028	0.082	ND
Bromoform	66.7	mg/kg	0.045	0.082	ND
Bromomethane	66.7	mg/kg	0.041	0.082	ND
Carbon disulfide	66.7	mg/kg	0.035	0.082	ND
Carbon tetrachloride	66.7	mg/kg	0.027	0.082	ND
Chlorobenzene	**66.7**	**mg/kg**	**0.027**	0.082	**21**
Chloroethane	66.7	mg/kg	0.048	0.082	ND
Chloroform	66.7	mg/kg	0.16	0.16	ND
Chloromethane	66.7	mg/kg	0.042	0.082	ND
cis-1,2-Dichloroethene	**66.7**	**mg/kg**	**0.052**	0.082	**3.2**
cis-1,3-Dichloropropene	66.7	mg/kg	0.026	0.082	ND
Cyclohexane	66.7	mg/kg	0.040	0.082	ND
Dibromochloromethane	66.7	mg/kg	0.020	0.082	ND
Dichlorodifluoromethane	66.7	mg/kg	0.051	0.082	ND
Ethylbenzene	**66.7**	**mg/kg**	**0.038**	0.082	**0.59**
Isopropylbenzene	**66.7**	**mg/kg**	**0.041**	0.082	**0.064J**
m&p-Xylenes	**66.7**	**mg/kg**	**0.070**	0.082	**2.8**
Methyl Acetate	66.7	mg/kg	0.058	0.082	ND
Methylcyclohexane	**66.7**	**mg/kg**	**0.051**	0.082	**0.065J**
Methylene chloride	**66.7**	**mg/kg**	**0.024**	0.082	**9.5**
Methyl-t-butyl ether	66.7	mg/kg	0.026	0.041	ND
o-Xylene	**66.7**	**mg/kg**	**0.056**	0.082	**0.64**
Styrene	66.7	mg/kg	0.045	0.082	ND
Tetrachloroethene	**66.7**	**mg/kg**	**0.029**	0.082	**0.95**
Toluene	**66.7**	**mg/kg**	**0.027**	0.082	**41**
trans-1,2-Dichloroethene	**66.7**	**mg/kg**	**0.025**	0.082	**0.29**
trans-1,3-Dichloropropene	66.7	mg/kg	0.025	0.082	ND
Trichloroethene	**66.7**	**mg/kg**	**0.028**	0.082	**26**
Trichlorofluoromethane	66.7	mg/kg	0.025	0.082	ND
Vinyl chloride	**66.7**	**mg/kg**	**0.058**	0.082	**0.28**
Xylenes (Total)	**66.7**	**mg/kg**	**0.056**	0.082	**3.4**

Sample ID: HIS-SB-14(18.5')
Lab#: AD23375-009
Matrix: Soil/Terracore

Collection Date: 5/12/2021
Receipt Date: 5/13/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		81

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	0.714	mg/kg	0.00081	0.0018	ND
1,1,2,2-Tetrachloroethane	**0.714**	**mg/kg**	**0.00040**	0.0018	**0.0015J**
1,1,2-Trichloro-1,2,2-trifluoroethane	0.714	mg/kg	0.0012	0.0018	ND
1,1,2-Trichloroethane	0.714	mg/kg	0.00041	0.0018	ND
1,1-Dichloroethane	**0.714**	**mg/kg**	**0.00077**	0.0018	**0.0015J**
1,1-Dichloroethene	0.714	mg/kg	0.0010	0.0018	ND
1,2,3-Trichlorobenzene	0.714	mg/kg	0.00049	0.0018	ND
1,2,4-Trichlorobenzene	0.714	mg/kg	0.00056	0.0018	ND
1,2-Dibromo-3-chloropropane	0.714	mg/kg	0.00049	0.0018	ND
1,2-Dibromoethane	0.714	mg/kg	0.00043	0.00044	ND
1,2-Dichlorobenzene	0.714	mg/kg	0.00045	0.0018	ND
1,2-Dichloroethane	**0.714**	**mg/kg**	**0.00036**	0.0018	**0.014**
1,2-Dichloropropane	0.714	mg/kg	0.00072	0.0018	ND
1,3-Dichlorobenzene	0.714	mg/kg	0.00049	0.0018	ND
1,4-Dichlorobenzene	0.714	mg/kg	0.00047	0.0018	ND
1,4-Dioxane	0.714	mg/kg	0.043	0.088	ND
2-Butanone	0.714	mg/kg	0.0011	0.0018	ND
2-Hexanone	0.714	mg/kg	0.00075	0.0018	ND
4-Methyl-2-pentanone	0.714	mg/kg	0.00051	0.0018	ND
Acetone	0.714	mg/kg	0.0060	0.0088	ND
Benzene	**0.714**	**mg/kg**	**0.00064**	0.00088	**0.010**
Bromochloromethane	0.714	mg/kg	0.00062	0.0018	ND
Bromodichloromethane	0.714	mg/kg	0.00041	0.0018	ND
Bromoform	0.714	mg/kg	0.00029	0.0018	ND
Bromomethane	0.714	mg/kg	0.0014	0.0018	ND
Carbon disulfide	0.714	mg/kg	0.0030	0.0030	ND
Carbon tetrachloride	0.714	mg/kg	0.00086	0.0018	ND
Chlorobenzene	**0.714**	**mg/kg**	**0.00055**	0.0018	**0.16**
Chloroethane	0.714	mg/kg	0.0017	0.0018	ND
Chloroform	0.714	mg/kg	0.0012	0.0018	ND
Chloromethane	0.714	mg/kg	0.0011	0.0018	ND
cis-1,2-Dichloroethene	**0.714**	**mg/kg**	**0.00071**	0.0018	**0.073**
cis-1,3-Dichloropropene	0.714	mg/kg	0.00047	0.0018	ND
Cyclohexane	0.714	mg/kg	0.0011	0.0018	ND
Dibromochloromethane	0.714	mg/kg	0.00038	0.0018	ND
Dichlorodifluoromethane	0.714	mg/kg	0.0012	0.0018	ND
Ethylbenzene	**0.714**	**mg/kg**	**0.00061**	0.00088	**0.0026**
Isopropylbenzene	0.714	mg/kg	0.00073	0.00088	ND
m&p-Xylenes	**0.714**	**mg/kg**	**0.0011**	0.0011	**0.0043**
Methyl Acetate	0.714	mg/kg	0.00085	0.0018	ND
Methylcyclohexane	0.714	mg/kg	0.00079	0.0018	ND
Methylene chloride	**0.714**	**mg/kg**	**0.00066**	0.0018	**0.069**
Methyl-t-butyl ether	0.714	mg/kg	0.00048	0.00088	ND
o-Xylene	**0.714**	**mg/kg**	**0.00063**	0.00088	**0.0021**
Styrene	0.714	mg/kg	0.00049	0.0018	ND
Tetrachloroethene	**0.714**	**mg/kg**	**0.00086**	0.0018	**0.0039**
Toluene	**0.714**	**mg/kg**	**0.00058**	0.00088	**0.14**
trans-1,2-Dichloroethene	**0.714**	**mg/kg**	**0.0011**	0.0018	**0.021**
trans-1,3-Dichloropropene	0.714	mg/kg	0.00041	0.0018	ND
Trichloroethene	**0.714**	**mg/kg**	**0.00072**	0.0018	**0.23**
Trichlorofluoromethane	0.714	mg/kg	0.0010	0.0018	ND
Vinyl chloride	**0.714**	**mg/kg**	**0.0011**	0.0018	**0.030**
Xylenes (Total)	**0.714**	**mg/kg**	**0.00063**	0.00088	**0.0064**

Sample ID: HSI-SB-D2 **Collection Date:** 5/12/2021
Lab#: AD23375-010 **Receipt Date:** 5/13/2021
Matrix: Soil/Terracore

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		82

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	6320	mg/kg	2.8	7.7	ND
1,1,2,2-Tetrachloroethane	**6320**	**mg/kg**	**3.5**	7.7	**240**
1,1,2-Trichloro-1,2,2-trifluoroethane	6320	mg/kg	5.6	7.7	ND
1,1,2-Trichloroethane	6320	mg/kg	2.5	7.7	ND
1,1-Dichloroethane	6320	mg/kg	3.3	7.7	ND
1,1-Dichloroethene	6320	mg/kg	4.1	7.7	ND
1,2,3-Trichlorobenzene	6320	mg/kg	6.1	7.7	ND
1,2,4-Trichlorobenzene	6320	mg/kg	5.6	7.7	ND
1,2-Dibromo-3-chloropropane	6320	mg/kg	6.4	7.7	ND
1,2-Dibromoethane	6320	mg/kg	2.6	7.7	ND
1,2-Dichlorobenzene	6320	mg/kg	2.5	7.7	ND
1,2-Dichloroethane	**6320**	**mg/kg**	**4.9**	4.9	**66**
1,2-Dichloropropane	6320	mg/kg	2.3	7.7	ND
1,3-Dichlorobenzene	6320	mg/kg	2.9	7.7	ND
1,4-Dichlorobenzene	6320	mg/kg	2.8	7.7	ND
1,4-Dioxane	6320	mg/kg	300	390	ND
2-Butanone	6320	mg/kg	5.8	7.7	ND
2-Hexanone	6320	mg/kg	4.6	7.7	ND
4-Methyl-2-pentanone	**6320**	**mg/kg**	**3.7**	7.7	**150**
Acetone	6320	mg/kg	35	39	ND
Benzene	**6320**	**mg/kg**	**2.3**	3.9	**7.2**
Bromochloromethane	6320	mg/kg	6.1	7.7	ND
Bromodichloromethane	6320	mg/kg	2.7	7.7	ND
Bromoform	6320	mg/kg	4.2	7.7	ND
Bromomethane	6320	mg/kg	3.9	7.7	ND
Carbon disulfide	6320	mg/kg	3.3	7.7	ND
Carbon tetrachloride	6320	mg/kg	2.5	7.7	ND
Chlorobenzene	**6320**	**mg/kg**	**2.5**	7.7	**1100**
Chloroethane	6320	mg/kg	4.5	7.7	ND
Chloroform	6320	mg/kg	15	15	ND
Chloromethane	6320	mg/kg	4.0	7.7	ND
cis-1,2-Dichloroethene	6320	mg/kg	4.9	7.7	ND
cis-1,3-Dichloropropene	6320	mg/kg	2.5	7.7	ND
Cyclohexane	6320	mg/kg	3.8	7.7	ND
Dibromochloromethane	6320	mg/kg	1.8	7.7	ND
Dichlorodifluoromethane	6320	mg/kg	4.8	7.7	ND
Ethylbenzene	**6320**	**mg/kg**	**3.6**	7.7	**38**
Isopropylbenzene	**6320**	**mg/kg**	**3.8**	7.7	**4.1J**
m&p-Xylenes	**6320**	**mg/kg**	**6.5**	7.7	**180**
Methyl Acetate	6320	mg/kg	5.4	7.7	ND
Methylcyclohexane	6320	mg/kg	4.7	7.7	ND
Methylene chloride	**6320**	**mg/kg**	**2.3**	7.7	**110**
Methyl-t-butyl ether	6320	mg/kg	2.4	3.9	ND
o-Xylene	**6320**	**mg/kg**	**5.3**	7.7	**40**
Styrene	6320	mg/kg	4.2	7.7	ND
Tetrachloroethene	**6320**	**mg/kg**	**2.8**	7.7	**60**
Toluene	**6320**	**mg/kg**	**2.5**	7.7	**1900**
trans-1,2-Dichloroethene	**6320**	**mg/kg**	**2.4**	7.7	**8.1**
trans-1,3-Dichloropropene	6320	mg/kg	2.4	7.7	ND
Trichloroethene	**6320**	**mg/kg**	**2.7**	7.7	**1300**
Trichlorofluoromethane	6320	mg/kg	2.4	7.7	ND
Vinyl chloride	6320	mg/kg	5.4	7.7	ND
Xylenes (Total)	**6320**	**mg/kg**	**5.3**	7.7	**220**

Sample ID: HSI-SB-15(3.5')
Lab#: AD23375-011
Matrix: Soil/Terracore

Collection Date: 5/12/2021
Receipt Date: 5/13/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		86

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	6780	mg/kg	2.8	7.9	ND
1,1,2,2-Tetrachloroethane	**6780**	**mg/kg**	**3.5**	**7.9**	**260**
1,1,2-Trichloro-1,2,2-trifluoroethane	6780	mg/kg	5.7	7.9	ND
1,1,2-Trichloroethane	6780	mg/kg	2.5	7.9	ND
1,1-Dichloroethane	6780	mg/kg	3.4	7.9	ND
1,1-Dichloroethene	6780	mg/kg	4.2	7.9	ND
1,2,3-Trichlorobenzene	6780	mg/kg	6.2	7.9	ND
1,2,4-Trichlorobenzene	6780	mg/kg	5.7	7.9	ND
1,2-Dibromo-3-chloropropane	6780	mg/kg	6.6	7.9	ND
1,2-Dibromoethane	6780	mg/kg	2.7	7.9	ND
1,2-Dichlorobenzene	6780	mg/kg	2.6	7.9	ND
1,2-Dichloroethane	**6780**	**mg/kg**	**5.0**	**5.0**	**28**
1,2-Dichloropropane	6780	mg/kg	2.4	7.9	ND
1,3-Dichlorobenzene	6780	mg/kg	3.0	7.9	ND
1,4-Dichlorobenzene	6780	mg/kg	2.9	7.9	ND
1,4-Dioxane	6780	mg/kg	310	390	ND
2-Butanone	6780	mg/kg	5.9	7.9	ND
2-Hexanone	6780	mg/kg	4.7	7.9	ND
4-Methyl-2-pentanone	**6780**	**mg/kg**	**3.6**	**7.9**	**16**
Acetone	6780	mg/kg	36	39	ND
Benzene	**6780**	**mg/kg**	**2.3**	**3.9**	**2.7J**
Bromochloromethane	6780	mg/kg	6.2	7.9	ND
Bromodichloromethane	6780	mg/kg	2.7	7.9	ND
Bromoform	6780	mg/kg	4.3	7.9	ND
Bromomethane	6780	mg/kg	4.0	7.9	ND
Carbon disulfide	6780	mg/kg	3.3	7.9	ND
Carbon tetrachloride	6780	mg/kg	2.5	7.9	ND
Chlorobenzene	**6780**	**mg/kg**	**2.6**	**7.9**	**980**
Chloroethane	6780	mg/kg	4.6	7.9	ND
Chloroform	6780	mg/kg	15	15	ND
Chloromethane	6780	mg/kg	4.1	7.9	ND
cis-1,2-Dichloroethene	**6780**	**mg/kg**	**5.0**	**7.9**	**15**
cis-1,3-Dichloropropene	6780	mg/kg	2.5	7.9	ND
Cyclohexane	6780	mg/kg	3.8	7.9	ND
Dibromochloromethane	6780	mg/kg	1.9	7.9	ND
Dichlorodifluoromethane	6780	mg/kg	4.9	7.9	ND
Ethylbenzene	**6780**	**mg/kg**	**3.7**	**7.9**	**29**
Isopropylbenzene	**6780**	**mg/kg**	**3.9**	**7.9**	**6.2J**
m&p-Xylenes	**6780**	**mg/kg**	**6.7**	**7.9**	**170**
Methyl Acetate	6780	mg/kg	5.5	7.9	ND
Methylcyclohexane	6780	mg/kg	4.8	7.9	ND
Methylene chloride	**6780**	**mg/kg**	**2.3**	**7.9**	**37**
Methyl-t-butyl ether	6780	mg/kg	2.5	3.9	ND
o-Xylene	**6780**	**mg/kg**	**5.4**	**7.9**	**44**
Styrene	6780	mg/kg	4.3	7.9	ND
Tetrachloroethene	**6780**	**mg/kg**	**2.8**	**7.9**	**55**
Toluene	**6780**	**mg/kg**	**2.6**	**7.9**	**630**
trans-1,2-Dichloroethene	**6780**	**mg/kg**	**2.4**	**7.9**	**3.3J**
trans-1,3-Dichloropropene	6780	mg/kg	2.4	7.9	ND
Trichloroethene	**6780**	**mg/kg**	**2.7**	**7.9**	**630**
Trichlorofluoromethane	6780	mg/kg	2.4	7.9	ND
Vinyl chloride	6780	mg/kg	5.6	7.9	ND
Xylenes (Total)	**6780**	**mg/kg**	**5.4**	**7.9**	**210**

Sample ID: HSI-SB-15(5.5')
Lab#: AD23375-012
Matrix: Soil/Terracore

Collection Date: 5/12/2021
Receipt Date: 5/13/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		82

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	6780	mg/kg	3.0	8.3	ND
1,1,2,2-Tetrachloroethane	**6780**	**mg/kg**	3.7	8.3	**130**
1,1,2-Trichloro-1,2,2-trifluoroethane	6780	mg/kg	6.0	8.3	ND
1,1,2-Trichloroethane	6780	mg/kg	2.6	8.3	ND
1,1-Dichloroethane	6780	mg/kg	3.5	8.3	ND
1,1-Dichloroethene	6780	mg/kg	4.4	8.3	ND
1,2,3-Trichlorobenzene	6780	mg/kg	6.5	8.3	ND
1,2,4-Trichlorobenzene	6780	mg/kg	6.0	8.3	ND
1,2-Dibromo-3-chloropropane	6780	mg/kg	6.9	8.3	ND
1,2-Dibromoethane	6780	mg/kg	2.8	8.3	ND
1,2-Dichlorobenzene	6780	mg/kg	2.7	8.3	ND
1,2-Dichloroethane	**6780**	**mg/kg**	5.3	5.3	**32**
1,2-Dichloropropane	6780	mg/kg	2.5	8.3	ND
1,3-Dichlorobenzene	6780	mg/kg	3.1	8.3	ND
1,4-Dichlorobenzene	6780	mg/kg	3.0	8.3	ND
1,4-Dioxane	6780	mg/kg	320	410	ND
2-Butanone	6780	mg/kg	6.2	8.3	ND
2-Hexanone	6780	mg/kg	5.0	8.3	ND
4-Methyl-2-pentanone	**6780**	**mg/kg**	4.0	8.3	**59**
Acetone	6780	mg/kg	38	41	ND
Benzene	**6780**	**mg/kg**	2.4	4.1	**3.3J**
Bromochloromethane	6780	mg/kg	6.5	8.3	ND
Bromodichloromethane	6780	mg/kg	2.9	8.3	ND
Bromoform	6780	mg/kg	4.5	8.3	ND
Bromomethane	6780	mg/kg	4.2	8.3	ND
Carbon disulfide	6780	mg/kg	3.5	8.3	ND
Carbon tetrachloride	6780	mg/kg	2.7	8.3	ND
Chlorobenzene	**6780**	**mg/kg**	2.7	8.3	**820**
Chloroethane	6780	mg/kg	4.8	8.3	ND
Chloroform	6780	mg/kg	16	16	ND
Chloromethane	6780	mg/kg	4.3	8.3	ND
cis-1,2-Dichloroethene	**6780**	**mg/kg**	5.3	8.3	**22**
cis-1,3-Dichloropropene	6780	mg/kg	2.6	8.3	ND
Cyclohexane	6780	mg/kg	4.0	8.3	ND
Dibromochloromethane	6780	mg/kg	2.0	8.3	ND
Dichlorodifluoromethane	6780	mg/kg	5.1	8.3	ND
Ethylbenzene	**6780**	**mg/kg**	3.9	8.3	**24**
Isopropylbenzene	6780	mg/kg	4.1	8.3	ND
m&p-Xylenes	**6780**	**mg/kg**	7.0	6.3	**120**
Methyl Acetate	6780	mg/kg	5.8	8.3	ND
Methylcyclohexane	6780	mg/kg	5.1	8.3	ND
Methylene chloride	**6780**	**mg/kg**	2.4	8.3	**51**
Methyl-t-butyl ether	6780	mg/kg	2.6	4.1	ND
o-Xylene	**6780**	**mg/kg**	5.6	8.3	**27**
Styrene	6780	mg/kg	4.5	8.3	ND
Tetrachloroethene	**6780**	**mg/kg**	3.0	8.3	**42**
Toluene	**6780**	**mg/kg**	2.7	8.3	**900**
trans-1,2-Dichloroethene	6780	mg/kg	2.6	8.3	ND
trans-1,3-Dichloropropene	6780	mg/kg	2.5	8.3	ND
Trichloroethene	**6780**	**mg/kg**	2.9	8.3	**610**
Trichlorofluoromethane	6780	mg/kg	2.5	8.3	ND
Vinyl chloride	6780	mg/kg	5.8	8.3	ND
Xylenes (Total)	**6780**	**mg/kg**	5.6	8.3	**150**

Sample ID: HSI-SB-15(6')
Lab#: AD23375-013
Matrix: Soil/Terracore

Collection Date: 5/12/2021
Receipt Date: 5/13/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		80

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	7050	mg/kg	3.2	8.8	ND
1,1,2,2-Tetrachloroethane	**7050**	**mg/kg**	**3.9**	**8.8**	**160**
1,1,2-Trichloro-1,2,2-trifluoroethane	7050	mg/kg	6.4	8.8	ND
1,1,2-Trichloroethane	7050	mg/kg	2.8	8.8	ND
1,1-Dichloroethane	7050	mg/kg	3.8	8.8	ND
1,1-Dichloroethene	7050	mg/kg	4.7	8.8	ND
1,2,3-Trichlorobenzene	7050	mg/kg	6.9	8.8	ND
1,2,4-Trichlorobenzene	7050	mg/kg	6.4	8.8	ND
1,2-Dibromo-3-chloropropane	7050	mg/kg	7.4	8.8	ND
1,2-Dibromoethane	7050	mg/kg	3.0	8.8	ND
1,2-Dichlorobenzene	7050	mg/kg	2.9	8.8	ND
1,2-Dichloroethane	**7050**	**mg/kg**	**5.6**	**5.6**	**22**
1,2-Dichloropropane	7050	mg/kg	2.6	8.8	ND
1,3-Dichlorobenzene	7050	mg/kg	3.3	8.8	ND
1,4-Dichlorobenzene	7050	mg/kg	3.2	8.8	ND
1,4-Dioxane	7050	mg/kg	350	440	ND
2-Butanone	7050	mg/kg	6.6	8.8	ND
2-Hexanone	7050	mg/kg	5.3	8.8	ND
4-Methyl-2-pentanone	**7050**	**mg/kg**	**4.3**	**8.8**	**47**
Acetone	7050	mg/kg	40	44	ND
Benzene	**7050**	**mg/kg**	**2.6**	**4.4**	**3.6J**
Bromochloromethane	7050	mg/kg	6.9	8.8	ND
Bromodichloromethane	7050	mg/kg	3.0	8.8	ND
Bromoform	7050	mg/kg	4.8	8.8	ND
Bromomethane	7050	mg/kg	4.4	8.8	ND
Carbon disulfide	7050	mg/kg	3.7	8.8	ND
Carbon tetrachloride	7050	mg/kg	2.8	8.8	ND
Chlorobenzene	**7050**	**mg/kg**	**2.9**	**8.8**	**960**
Chloroethane	7050	mg/kg	5.1	8.8	ND
Chloroform	7050	mg/kg	17	17	ND
Chloromethane	7050	mg/kg	4.5	8.8	ND
cis-1,2-Dichloroethene	**7050**	**mg/kg**	**5.6**	**8.8**	**24**
cis-1,3-Dichloropropene	7050	mg/kg	2.8	8.8	ND
Cyclohexane	7050	mg/kg	4.3	8.8	ND
Dibromochloromethane	7050	mg/kg	2.1	8.8	ND
Dichlorodifluoromethane	7050	mg/kg	5.5	8.8	ND
Ethylbenzene	**7050**	**mg/kg**	**4.1**	**8.8**	**31**
Isopropylbenzene	**7050**	**mg/kg**	**4.3**	**8.8**	**4.5J**
m&p-Xylenes	**7050**	**mg/kg**	**7.5**	**8.8**	**160**
Methyl Acetate	7050	mg/kg	6.2	8.8	ND
Methylcyclohexane	7050	mg/kg	5.4	8.8	ND
Methylene chloride	**7050**	**mg/kg**	**2.6**	**8.8**	**30**
Methyl-t-butyl ether	7050	mg/kg	2.8	4.4	ND
o-Xylene	**7050**	**mg/kg**	**6.0**	**8.8**	**36**
Styrene	7050	mg/kg	4.8	8.8	ND
Tetrachloroethene	**7050**	**mg/kg**	**3.1**	**8.8**	**50**
Toluene	**7050**	**mg/kg**	**2.9**	**8.8**	**1100**
trans-1,2-Dichloroethene	7050	mg/kg	2.7	8.8	ND
trans-1,3-Dichloropropene	7050	mg/kg	2.7	8.8	ND
Trichloroethene	**7050**	**mg/kg**	**3.0**	**8.8**	**680**
Trichlorofluoromethane	7050	mg/kg	2.7	8.8	ND
Vinyl chloride	7050	mg/kg	6.2	8.8	ND
Xylenes (Total)	**7050**	**mg/kg**	**6.0**	**8.8**	**200**

Sample ID: HSI-SB-15(8.5')
Lab#: AD23375-014
Matrix: Soil/Terracore

Collection Date: 5/12/2021
Receipt Date: 5/13/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		80

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	724	mg/kg	0.32	0.90	ND
1,1,2,2-Tetrachloroethane	**724**	**mg/kg**	**0.41**	0.90	**60**
1,1,2-Trichloro-1,2,2-trifluoroethane	724	mg/kg	0.66	0.90	ND
1,1,2-Trichloroethane	**724**	**mg/kg**	**0.29**	0.90	**1.1**
1,1-Dichloroethane	724	mg/kg	0.39	0.90	ND
1,1-Dichloroethene	724	mg/kg	0.48	0.90	ND
1,2,3-Trichlorobenzene	724	mg/kg	0.71	0.90	ND
1,2,4-Trichlorobenzene	724	mg/kg	0.66	0.90	ND
1,2-Dibromo-3-chloropropane	724	mg/kg	0.75	0.90	ND
1,2-Dibromoethane	724	mg/kg	0.31	0.90	ND
1,2-Dichlorobenzene	724	mg/kg	0.29	0.90	ND
1,2-Dichloroethane	**724**	**mg/kg**	**0.58**	0.58	**34**
1,2-Dichloropropane	724	mg/kg	0.27	0.90	ND
1,3-Dichlorobenzene	724	mg/kg	0.34	0.90	ND
1,4-Dichlorobenzene	724	mg/kg	0.33	0.90	ND
1,4-Dioxane	724	mg/kg	36	45	ND
2-Butanone	724	mg/kg	0.68	0.90	ND
2-Hexanone	724	mg/kg	0.54	0.90	ND
4-Methyl-2-pentanone	**724**	**mg/kg**	**0.44**	0.90	**94**
Acetone	724	mg/kg	4.1	4.5	ND
Benzene	**724**	**mg/kg**	**0.27**	0.45	**2.1**
Bromochloromethane	724	mg/kg	0.71	0.90	ND
Bromodichloromethane	724	mg/kg	0.31	0.90	ND
Bromoform	724	mg/kg	0.49	0.90	ND
Bromomethane	724	mg/kg	0.45	0.90	ND
Carbon disulfide	724	mg/kg	0.38	0.90	ND
Carbon tetrachloride	724	mg/kg	0.29	0.90	ND
Chlorobenzene	**724**	**mg/kg**	**0.30**	0.90	**240**
Chloroethane	724	mg/kg	0.52	0.90	ND
Chloroform	724	mg/kg	1.8	1.8	ND
Chloromethane	724	mg/kg	0.47	0.90	ND
cis-1,2-Dichloroethene	**724**	**mg/kg**	**0.57**	0.90	**29**
cis-1,3-Dichloropropene	724	mg/kg	0.29	0.90	ND
Cyclohexane	724	mg/kg	0.44	0.90	ND
Dibromochloromethane	724	mg/kg	0.22	0.90	ND
Dichlorodifluoromethane	724	mg/kg	0.56	0.90	ND
Ethylbenzene	**724**	**mg/kg**	**0.42**	0.90	**5.9**
Isopropylbenzene	**724**	**mg/kg**	**0.45**	0.90	**0.61J**
m&p-Xylenes	**724**	**mg/kg**	**0.77**	0.90	**29**
Methyl Acetate	724	mg/kg	0.64	0.90	ND
Methylcyclohexane	724	mg/kg	0.56	0.90	ND
Methylene chloride	**724**	**mg/kg**	**0.27**	0.90	**51**
Methyl-t-butyl ether	724	mg/kg	0.28	0.45	ND
o-Xylene	**724**	**mg/kg**	**0.62**	0.90	**6.7**
Styrene	724	mg/kg	0.49	0.90	ND
Tetrachloroethene	**724**	**mg/kg**	**0.32**	0.90	**8.0**
Toluene	**724**	**mg/kg**	**0.29**	0.90	**370**
trans-1,2-Dichloroethene	**724**	**mg/kg**	**0.28**	0.90	**2.3**
trans-1,3-Dichloropropene	724	mg/kg	0.28	0.90	ND
Trichloroethene	**724**	**mg/kg**	**0.31**	0.90	**250**
Trichlorofluoromethane	724	mg/kg	0.28	0.90	ND
Vinyl chloride	724	mg/kg	0.64	0.90	ND
Xylenes (Total)	**724**	**mg/kg**	**0.62**	0.90	**36**

Sample ID: HSI-SB-15(10')
Lab#: AD23375-015
Matrix: Soil/Terracore

Collection Date: 5/12/2021
Receipt Date: 5/13/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		85

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	68.4	mg/kg	0.029	0.080	ND
1,1,2,2-Tetrachloroethane	**68.4**	**mg/kg**	**0.036**	0.080	**0.83**
1,1,2-Trichloro-1,2,2-trifluoroethane	68.4	mg/kg	0.059	0.080	ND
1,1,2-Trichloroethane	68.4	mg/kg	0.026	0.080	ND
1,1-Dichloroethane	68.4	mg/kg	0.034	0.080	ND
1,1-Dichloroethene	68.4	mg/kg	0.043	0.080	ND
1,2,3-Trichlorobenzene	68.4	mg/kg	0.063	0.080	ND
1,2,4-Trichlorobenzene	68.4	mg/kg	0.059	0.080	ND
1,2-Dibromo-3-chloropropane	68.4	mg/kg	0.067	0.080	ND
1,2-Dibromoethane	68.4	mg/kg	0.028	0.080	ND
1,2-Dichlorobenzene	68.4	mg/kg	0.026	0.080	ND
1,2-Dichloroethane	**68.4**	**mg/kg**	**0.051**	0.051	**1.1**
1,2-Dichloropropane	68.4	mg/kg	0.024	0.080	ND
1,3-Dichlorobenzene	68.4	mg/kg	0.030	0.080	ND
1,4-Dichlorobenzene	68.4	mg/kg	0.029	0.080	ND
1,4-Dioxane	68.4	mg/kg	3.2	4.0	ND
2-Butanone	68.4	mg/kg	0.060	0.080	ND
2-Hexanone	68.4	mg/kg	0.048	0.080	ND
4-Methyl-2-pentanone	**68.4**	**mg/kg**	**0.039**	0.080	**4.1**
Acetone	68.4	mg/kg	0.37	0.40	ND
Benzene	**68.4**	**mg/kg**	**0.024**	0.040	**0.14**
Bromochloromethane	68.4	mg/kg	0.063	0.080	ND
Bromodichloromethane	68.4	mg/kg	0.028	0.080	ND
Bromoform	68.4	mg/kg	0.044	0.080	ND
Bromomethane	68.4	mg/kg	0.040	0.080	ND
Carbon disulfide	68.4	mg/kg	0.034	0.080	ND
Carbon tetrachloride	68.4	mg/kg	0.026	0.080	ND
Chlorobenzene	**68.4**	**mg/kg**	**0.027**	0.080	**4.9**
Chloroethane	68.4	mg/kg	0.047	0.080	ND
Chloroform	68.4	mg/kg	0.16	0.16	ND
Chloromethane	68.4	mg/kg	0.042	0.080	ND
cis-1,2-Dichloroethene	**68.4**	**mg/kg**	**0.051**	0.080	**7.7**
cis-1,3-Dichloropropene	68.4	mg/kg	0.026	0.080	ND
Cyclohexane	68.4	mg/kg	0.039	0.080	ND
Dibromochloromethane	68.4	mg/kg	0.019	0.080	ND
Dichlorodifluoromethane	68.4	mg/kg	0.050	0.080	ND
Ethylbenzene	**68.4**	**mg/kg**	**0.038**	0.080	**0.11**
Isopropylbenzene	68.4	mg/kg	0.040	0.080	ND
m&p-Xylenes	**68.4**	**mg/kg**	**0.068**	0.080	**0.52**
Methyl Acetate	68.4	mg/kg	0.057	0.080	ND
Methylcyclohexane	68.4	mg/kg	0.049	0.080	ND
Methylene chloride	**68.4**	**mg/kg**	0.024	0.080	ND
Methyl-t-butyl ether	68.4	mg/kg	0.025	0.040	ND
o-Xylene	**68.4**	**mg/kg**	**0.055**	0.080	**0.13**
Styrene	68.4	mg/kg	0.044	0.080	ND
Tetrachloroethene	**68.4**	**mg/kg**	**0.029**	0.080	**0.060J**
Toluene	**68.4**	**mg/kg**	**0.026**	0.080	**9.7**
trans-1,2-Dichloroethene	**68.4**	**mg/kg**	**0.025**	0.080	**0.22**
trans-1,3-Dichloropropene	68.4	mg/kg	0.025	0.080	ND
Trichloroethene	**68.4**	**mg/kg**	**0.028**	0.080	**0.085**
Trichlorofluoromethane	68.4	mg/kg	0.025	0.080	ND
Vinyl chloride	**68.4**	**mg/kg**	**0.057**	0.080	**0.63**
Xylenes (Total)	**68.4**	**mg/kg**	**0.055**	0.080	**0.65**

Sample ID: HSI-SB-15(12.5')
Lab#: AD23375-016
Matrix: Soil/Terracore

Collection Date: 5/12/2021
Receipt Date: 5/13/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		86

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	66.8	mg/kg	0.028	0.078	ND
1,1,2,2-Tetrachloroethane	**66.8**	**mg/kg**	**0.035**	0.078	**0.79**
1,1,2-Trichloro-1,2,2-trifluoroethane	66.8	mg/kg	0.056	0.078	ND
1,1,2-Trichloroethane	66.8	mg/kg	0.025	0.078	ND
1,1-Dichloroethane	66.8	mg/kg	0.033	0.078	ND
1,1-Dichloroethene	66.8	mg/kg	0.041	0.078	ND
1,2,3-Trichlorobenzene	66.8	mg/kg	0.061	0.078	ND
1,2,4-Trichlorobenzene	66.8	mg/kg	0.056	0.078	ND
1,2-Dibromo-3-chloropropane	66.8	mg/kg	0.065	0.078	ND
1,2-Dibromoethane	66.8	mg/kg	0.027	0.078	ND
1,2-Dichlorobenzene	66.8	mg/kg	0.025	0.078	ND
1,2-Dichloroethane	**66.8**	**mg/kg**	**0.050**	0.050	**1.3**
1,2-Dichloropropane	66.8	mg/kg	0.023	0.078	ND
1,3-Dichlorobenzene	66.8	mg/kg	0.029	0.078	ND
1,4-Dichlorobenzene	66.8	mg/kg	0.028	0.078	ND
1,4-Dioxane	66.8	mg/kg	3.1	3.9	ND
2-Butanone	66.8	mg/kg	0.058	0.078	ND
2-Hexanone	66.8	mg/kg	0.047	0.078	ND
4-Methyl-2-pentanone	**66.8**	**mg/kg**	**0.038**	0.078	**3.8**
Acetone	66.8	mg/kg	0.36	0.39	ND
Benzene	**66.8**	**mg/kg**	**0.023**	0.039	**0.12**
Bromochloromethane	66.8	mg/kg	0.061	0.078	ND
Bromodichloromethane	66.8	mg/kg	0.027	0.078	ND
Bromoform	66.8	mg/kg	0.042	0.078	ND
Bromomethane	66.8	mg/kg	0.039	0.078	ND
Carbon disulfide	66.8	mg/kg	0.033	0.078	ND
Carbon tetrachloride	66.8	mg/kg	0.025	0.078	ND
Chlorobenzene	**66.8**	**mg/kg**	**0.026**	0.078	**4.4**
Chloroethane	66.8	mg/kg	0.045	0.078	ND
Chloroform	66.8	mg/kg	0.15	0.15	ND
Chloromethane	66.8	mg/kg	0.040	0.078	ND
cis-1,2-Dichloroethene	**66.8**	**mg/kg**	**0.049**	0.078	**7.6**
cis-1,3-Dichloropropene	66.8	mg/kg	0.025	0.078	ND
Cyclohexane	66.8	mg/kg	0.036	0.078	ND
Dibromochloromethane	66.8	mg/kg	0.019	0.078	ND
Dichlorodifluoromethane	66.8	mg/kg	0.048	0.078	ND
Ethylbenzene	**66.8**	**mg/kg**	**0.036**	0.078	**0.10**
Isopropylbenzene	66.8	mg/kg	0.038	0.078	ND
m&p-Xylenes	**66.8**	**mg/kg**	**0.066**	0.078	**0.50**
Methyl Acetate	66.8	mg/kg	0.055	0.078	ND
Methylcyclohexane	66.8	mg/kg	0.048	0.078	ND
Methylene chloride	**66.8**	**mg/kg**	**0.023**	0.078	**0.13**
Methyl-t-butyl ether	66.8	mg/kg	0.024	0.039	ND
o-Xylene	**66.8**	**mg/kg**	**0.053**	0.078	**0.13**
Styrene	66.8	mg/kg	0.042	0.078	ND
Tetrachloroethene	**66.8**	**mg/kg**	**0.028**	0.078	**0.064J**
Toluene	**66.8**	**mg/kg**	**0.025**	0.078	**8.6**
trans-1,2-Dichloroethene	**66.8**	**mg/kg**	**0.024**	0.078	**0.26**
trans-1,3-Dichloropropene	66.8	mg/kg	0.024	0.078	ND
Trichloroethene	**66.8**	**mg/kg**	**0.027**	0.078	**0.42**
Trichlorofluoromethane	66.8	mg/kg	0.024	0.078	ND
Vinyl chloride	**66.8**	**mg/kg**	**0.055**	0.078	**0.55**
Xylenes (Total)	**66.8**	**mg/kg**	**0.053**	0.078	**0.63**

Sample ID: HSI-SB-15(14')
Lab#: AD23375-017
Matrix: Soil/Terracore

Collection Date: 5/12/2021
Receipt Date: 5/13/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		78

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	65.2	mg/kg	0.030	0.084	ND
1,1,2,2-Tetrachloroethane	65.2	mg/kg	0.037	0.084	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	65.2	mg/kg	0.061	0.084	ND
1,1,2-Trichloroethane	65.2	mg/kg	0.027	0.084	ND
1,1-Dichloroethane	65.2	mg/kg	0.036	0.084	ND
1,1-Dichloroethene	65.2	mg/kg	0.045	0.084	ND
1,2,3-Trichlorobenzene	65.2	mg/kg	0.066	0.084	ND
1,2,4-Trichlorobenzene	65.2	mg/kg	0.061	0.084	ND
1,2-Dibromo-3-chloropropane	65.2	mg/kg	0.070	0.084	ND
1,2-Dibromoethane	65.2	mg/kg	0.029	0.084	ND
1,2-Dichlorobenzene	65.2	mg/kg	0.027	0.084	ND
1,2-Dichloroethane	**65.2**	**mg/kg**	**0.053**	0.053	**0.15**
1,2-Dichloropropane	65.2	mg/kg	0.025	0.084	ND
1,3-Dichlorobenzene	65.2	mg/kg	0.031	0.084	ND
1,4-Dichlorobenzene	65.2	mg/kg	0.031	0.084	ND
1,4-Dioxane	65.2	mg/kg	3.3	4.2	ND
2-Butanone	65.2	mg/kg	0.063	0.084	ND
2-Hexanone	65.2	mg/kg	0.050	0.084	ND
4-Methyl-2-pentanone	65.2	mg/kg	0.041	0.084	ND
Acetone	65.2	mg/kg	0.38	0.42	ND
Benzene	65.2	mg/kg	0.025	0.042	ND
Bromochloromethane	65.2	mg/kg	0.066	0.084	ND
Bromodichloromethane	65.2	mg/kg	0.029	0.084	ND
Bromoform	65.2	mg/kg	0.045	0.084	ND
Bromomethane	65.2	mg/kg	0.042	0.084	ND
Carbon disulfide	65.2	mg/kg	0.035	0.084	ND
Carbon tetrachloride	65.2	mg/kg	0.027	0.084	ND
Chlorobenzene	**65.2**	**mg/kg**	**0.028**	0.084	**0.91**
Chloroethane	65.2	mg/kg	0.048	0.084	ND
Chloroform	65.2	mg/kg	0.16	0.16	ND
Chloromethane	65.2	mg/kg	0.043	0.084	ND
cis-1,2-Dichloroethene	**65.2**	**mg/kg**	**0.053**	0.084	**0.43**
cis-1,3-Dichloropropene	65.2	mg/kg	0.027	0.084	ND
Cyclohexane	65.2	mg/kg	0.041	0.084	ND
Dibromochloromethane	65.2	mg/kg	0.020	0.084	ND
Dichlorodifluoromethane	65.2	mg/kg	0.052	0.084	ND
Ethylbenzene	65.2	mg/kg	0.039	0.084	ND
Isopropylbenzene	65.2	mg/kg	0.041	0.084	ND
m&p-Xylenes	**65.2**	**mg/kg**	**0.071**	0.084	**0.10**
Methyl Acetate	65.2	mg/kg	0.059	0.084	ND
Methylcyclohexane	65.2	mg/kg	0.051	0.084	ND
Methylene chloride	**65.2**	**mg/kg**	**0.025**	0.084	**0.44**
Methyl-t-butyl ether	65.2	mg/kg	0.026	0.042	ND
o-Xylene	65.2	mg/kg	0.057	0.084	ND
Styrene	65.2	mg/kg	0.045	0.084	ND
Tetrachloroethene	**65.2**	**mg/kg**	**0.030**	0.084	**0.039J**
Toluene	**65.2**	**mg/kg**	**0.027**	0.084	**1.4**
trans-1,2-Dichloroethene	65.2	mg/kg	0.026	0.084	ND
trans-1,3-Dichloropropene	65.2	mg/kg	0.026	0.084	ND
Trichloroethene	**65.2**	**mg/kg**	**0.029**	0.084	**1.2**
Trichlorofluoromethane	65.2	mg/kg	0.026	0.084	ND
Vinyl chloride	65.2	mg/kg	0.059	0.084	ND
Xylenes (Total)	**65.2**	**mg/kg**	**0.057**	0.084	**0.10**

Sample ID: HSI-SB-15(16.5')
Lab#: AD23375-018
Matrix: Soil/Terracore

Collection Date: 5/12/2021
Receipt Date: 5/13/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		84

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	69.3	mg/kg	0.030	0.083	ND
1,1,2,2-Tetrachloroethane	**69.3**	**mg/kg**	**0.037**	0.083	**1.8**
1,1,2-Trichloro-1,2,2-trifluoroethane	69.3	mg/kg	0.060	0.083	ND
1,1,2-Trichloroethane	69.3	mg/kg	0.026	0.083	ND
1,1-Dichloroethane	69.3	mg/kg	0.035	0.083	ND
1,1-Dichloroethene	69.3	mg/kg	0.044	0.083	ND
1,2,3-Trichlorobenzene	69.3	mg/kg	0.065	0.063	ND
1,2,4-Trichlorobenzene	69.3	mg/kg	0.060	0.063	ND
1,2-Dibromo-3-chloropropane	69.3	mg/kg	0.069	0.083	ND
1,2-Dibromoethane	69.3	mg/kg	0.028	0.083	ND
1,2-Dichlorobenzene	69.3	mg/kg	0.027	0.083	ND
1,2-Dichloroethane	**69.3**	**mg/kg**	**0.053**	0.053	**2.0**
1,2-Dichloropropane	69.3	mg/kg	0.025	0.083	ND
1,3-Dichlorobenzene	69.3	mg/kg	0.031	0.083	ND
1,4-Dichlorobenzene	69.3	mg/kg	0.030	0.083	ND
1,4-Dioxane	69.3	mg/kg	3.2	4.1	ND
2-Butanone	69.3	mg/kg	0.062	0.083	ND
2-Hexanone	69.3	mg/kg	0.050	0.083	ND
4-Methyl-2-pentanone	**69.3**	**mg/kg**	**0.040**	0.083	**5.8**
Acetone	69.3	mg/kg	0.38	0.41	ND
Benzene	**69.3**	**mg/kg**	**0.024**	0.041	**0.12**
Bromochloromethane	69.3	mg/kg	0.065	0.083	ND
Bromodichloromethane	69.3	mg/kg	0.029	0.083	ND
Bromoform	69.3	mg/kg	0.045	0.083	ND
Bromomethane	69.3	mg/kg	0.041	0.083	ND
Carbon disulfide	69.3	mg/kg	0.035	0.083	ND
Carbon tetrachloride	69.3	mg/kg	0.027	0.083	ND
Chlorobenzene	**69.3**	**mg/kg**	**0.027**	0.083	**7.7**
Chloroethane	69.3	mg/kg	0.048	0.083	ND
Chloroform	69.3	mg/kg	0.16	0.16	ND
Chloromethane	69.3	mg/kg	0.043	0.083	ND
cis-1,2-Dichloroethene	**69.3**	**mg/kg**	**0.052**	0.083	**4.5**
cis-1,3-Dichloropropene	69.3	mg/kg	0.026	0.083	ND
Cyclohexane	69.3	mg/kg	0.040	0.083	ND
Dibromochloromethane	69.3	mg/kg	0.020	0.083	ND
Dichlorodifluoromethane	69.3	mg/kg	0.051	0.083	ND
Ethylbenzene	**69.3**	**mg/kg**	**0.039**	0.083	**0.21**
Isopropylbenzene	69.3	mg/kg	0.041	0.083	ND
m&p-Xylenes	**69.3**	**mg/kg**	**0.070**	0.083	**1.0**
Methyl Acetate	**69.3**	**mg/kg**	**0.058**	0.083	**0.59**
Methylcyclohexane	69.3	mg/kg	0.051	0.083	ND
Methylene chloride	**69.3**	**mg/kg**	**0.024**	0.083	**1.2**
Methyl-t-butyl ether	69.3	mg/kg	0.026	0.041	ND
o-Xylene	**69.3**	**mg/kg**	**0.056**	0.083	**0.25**
Styrene	69.3	mg/kg	0.045	0.083	ND
Tetrachloroethene	**69.3**	**mg/kg**	**0.029**	0.083	**0.33**
Toluene	**69.3**	**mg/kg**	**0.027**	0.083	**11**
trans-1,2-Dichloroethene	**69.3**	**mg/kg**	**0.026**	0.083	**0.23**
trans-1,3-Dichloropropene	69.3	mg/kg	0.025	0.083	ND
Trichloroethene	**69.3**	**mg/kg**	**0.028**	0.083	**8.0**
Trichlorofluoromethane	69.3	mg/kg	0.025	0.083	ND
Vinyl chloride	**69.3**	**mg/kg**	**0.058**	0.083	**0.11**
Xylenes (Total)	**69.3**	**mg/kg**	**0.056**	0.083	**1.2**

Sample ID: HSI-SB-15(18.5')
Lab#: AD23375-019
Matrix: Soil/Terracore

Collection Date: 5/12/2021
Receipt Date: 5/13/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		81

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	0.687	mg/kg	0.00078	0.0017	0.0013J
1,1,2,2-Tetrachloroethane	0.687	mg/kg	0.00038	0.0017	0.00071J
1,1,2-Trichloro-1,2,2-trifluoroethane	0.687	mg/kg	0.0012	0.0017	ND
1,1,2-Trichloroethane	0.687	mg/kg	0.00039	0.0017	ND
1,1-Dichloroethane	0.687	mg/kg	0.00074	0.0017	0.0027
1,1-Dichloroethene	0.687	mg/kg	0.00098	0.0017	0.0030
1,2,3-Trichlorobenzene	0.687	mg/kg	0.00047	0.0017	ND
1,2,4-Trichlorobenzene	0.687	mg/kg	0.00053	0.0017	ND
1,2-Dibromo-3-chloropropane	0.687	mg/kg	0.00047	0.0017	ND
1,2-Dibromoethane	0.687	mg/kg	0.00042	0.00042	ND
1,2-Dichlorobenzene	0.687	mg/kg	0.00043	0.0017	0.00049J
1,2-Dichloroethane	0.687	mg/kg	0.00035	0.0017	0.0057
1,2-Dichloropropane	0.687	mg/kg	0.00070	0.0017	ND
1,3-Dichlorobenzene	0.687	mg/kg	0.00047	0.0017	0.00069J
1,4-Dichlorobenzene	0.687	mg/kg	0.00045	0.0017	ND
1,4-Dioxane	0.687	mg/kg	0.041	0.085	ND
2-Butanone	0.687	mg/kg	0.0010	0.0017	ND
2-Hexanone	0.687	mg/kg	0.00072	0.0017	ND
4-Methyl-2-pentanone	0.687	mg/kg	0.00049	0.0017	ND
Acetone	0.687	mg/kg	0.0057	0.0085	ND
Benzene	0.687	mg/kg	0.00062	0.00085	0.0037
Bromochloromethane	0.687	mg/kg	0.00059	0.0017	0.0015J
Bromodichloromethane	0.687	mg/kg	0.00040	0.0017	0.00054J
Bromoform	0.687	mg/kg	0.00028	0.0017	ND
Bromomethane	0.687	mg/kg	0.0013	0.0017	ND
Carbon disulfide	0.687	mg/kg	0.0029	0.0029	ND
Carbon tetrachloride	0.687	mg/kg	0.00082	0.0017	0.0010J
Chlorobenzene	0.687	mg/kg	0.00053	0.0017	0.085
Chloroethane	0.687	mg/kg	0.0017	0.0017	ND
Chloroform	0.687	mg/kg	0.0012	0.0017	0.0019
Chloromethane	0.687	mg/kg	0.0010	0.0017	ND
cis-1,2-Dichloroethene	0.687	mg/kg	0.00069	0.0017	0.020
cis-1,3-Dichloropropene	0.687	mg/kg	0.00045	0.0017	ND
Cyclohexane	0.687	mg/kg	0.0010	0.0017	ND
Dibromochloromethane	0.687	mg/kg	0.00036	0.0017	ND
Dichlorodifluoromethane	0.687	mg/kg	0.0012	0.0017	ND
Ethylbenzene	0.687	mg/kg	0.00059	0.00085	0.00070J
Isopropylbenzene	0.687	mg/kg	0.00070	0.00085	ND
m&p-Xylenes	0.687	mg/kg	0.0010	0.0010	0.0023
Methyl Acetate	0.687	mg/kg	0.00081	0.0017	ND
Methylcyclohexane	0.687	mg/kg	0.00076	0.0017	ND
Methylene chloride	0.687	mg/kg	0.00064	0.0017	0.012
Methyl-t-butyl ether	0.687	mg/kg	0.00046	0.00085	0.0018
o-Xylene	0.687	mg/kg	0.00060	0.00085	0.0010
Styrene	0.687	mg/kg	0.00047	0.0017	ND
Tetrachloroethene	0.687	mg/kg	0.00063	0.0017	0.0014J
Toluene	0.687	mg/kg	0.00056	0.00085	0.027
trans-1,2-Dichloroethene	0.687	mg/kg	0.0010	0.0017	0.0049
trans-1,3-Dichloropropene	0.687	mg/kg	0.00040	0.0017	ND
Trichloroethene	0.687	mg/kg	0.00070	0.0017	0.033
Trichlorofluoromethane	0.687	mg/kg	0.0010	0.0017	0.0033
Vinyl chloride	0.687	mg/kg	0.0010	0.0017	0.010
Xylenes (Total)	0.687	mg/kg	0.00060	0.00085	0.0033

Sample ID: HSI-SB-D3
Lab#: AD23375-020
Matrix: Soil/Terracore

Collection Date: 5/12/2021
Receipt Date: 5/13/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		82

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	6930	mg/kg	3.0	8.4	ND
1,1,2,2-Tetrachloroethane	**6930**	**mg/kg**	**3.8**	8.4	**60**
1,1,2-Trichloro-1,2,2-trifluoroethane	6930	mg/kg	6.1	8.4	ND
1,1,2-Trichloroethane	6930	mg/kg	2.7	8.4	ND
1,1-Dichloroethane	6930	mg/kg	3.6	8.4	ND
1,1-Dichloroethene	6930	mg/kg	4.5	8.4	ND
1,2,3-Trichlorobenzene	6930	mg/kg	6.6	8.4	ND
1,2,4-Trichlorobenzene	6930	mg/kg	6.1	8.4	ND
1,2-Dibromo-3-chloropropane	6930	mg/kg	7.0	8.4	ND
1,2-Dibromoethane	6930	mg/kg	2.9	8.4	ND
1,2-Dichlorobenzene	6930	mg/kg	2.7	8.4	ND
1,2-Dichloroethane	**6930**	**mg/kg**	**5.4**	5.4	**22**
1,2-Dichloropropane	6930	mg/kg	2.5	8.4	ND
1,3-Dichlorobenzene	6930	mg/kg	3.2	8.4	ND
1,4-Dichlorobenzene	6930	mg/kg	3.1	8.4	ND
1,4-Dioxane	6930	mg/kg	330	420	ND
2-Butanone	6930	mg/kg	6.3	8.4	ND
2-Hexanone	6930	mg/kg	5.1	8.4	ND
4-Methyl-2-pentanone	**6930**	**mg/kg**	**4.1**	8.4	**48**
Acetone	6930	mg/kg	39	42	ND
Benzene	6930	mg/kg	2.5	4.2	ND
Bromochloromethane	6930	mg/kg	6.6	8.4	ND
Bromodichloromethane	6930	mg/kg	2.9	8.4	ND
Bromoform	6930	mg/kg	4.6	8.4	ND
Bromomethane	6930	mg/kg	4.2	8.4	ND
Carbon disulfide	6930	mg/kg	3.6	8.4	ND
Carbon tetrachloride	6930	mg/kg	2.7	8.4	ND
Chlorobenzene	**6930**	**mg/kg**	**2.8**	8.4	**520**
Chloroethane	6930	mg/kg	4.9	8.4	ND
Chloroform	6930	mg/kg	17	17	ND
Chloromethane	6930	mg/kg	4.4	8.4	ND
cis-1,2-Dichloroethene	**6930**	**mg/kg**	**5.4**	8.4	**17**
cis-1,3-Dichloropropene	6930	mg/kg	2.7	8.4	ND
Cyclohexane	6930	mg/kg	4.1	8.4	ND
Dibromochloromethane	6930	mg/kg	2.0	8.4	ND
Dichlorodifluoromethane	6930	mg/kg	5.2	8.4	ND
Ethylbenzene	**6930**	**mg/kg**	**3.9**	8.4	**16**
Isopropylbenzene	6930	mg/kg	4.2	8.4	ND
m&p-Xylenes	**6930**	**mg/kg**	**7.2**	8.4	**72**
Methyl Acetate	6930	mg/kg	5.9	8.4	ND
Methylcyclohexane	6930	mg/kg	5.2	8.4	ND
Methylene chloride	**6930**	**mg/kg**	**2.5**	8.4	**37**
Methyl-t-butyl ether	6930	mg/kg	2.6	4.2	ND
o-Xylene	**6930**	**mg/kg**	**5.8**	8.4	**19**
Styrene	6930	mg/kg	4.6	8.4	ND
Tetrachloroethene	**6930**	**mg/kg**	**3.0**	8.4	**24**
Toluene	**6930**	**mg/kg**	**2.8**	8.4	**580**
trans-1,2-Dichloroethene	6930	mg/kg	2.6	8.4	ND
trans-1,3-Dichloropropene	6930	mg/kg	2.6	8.4	ND
Trichloroethene	**6930**	**mg/kg**	**2.9**	8.4	**390**
Trichlorofluoromethane	6930	mg/kg	2.6	8.4	ND
Vinyl chloride	6930	mg/kg	6.0	8.4	ND
Xylenes (Total)	**6930**	**mg/kg**	**5.8**	8.4	**91**

HC Reporting Limit Definitions/Data Qualifiers

REPORTING DEFINITIONS

DF = Dilution Factor

LCS = Laboratory Control Spike

MBS = Method Blank Spike

MS = Matrix Spike

MSD = Matrix Spike Duplicate

MDL = Method Detection Limit

NA = Not Applicable

ND = Not Detected

PS = Post Digestion Spike

RL* = Reporting Limit

RT = Retention Time

**Samples with elevated Reporting Limits (RLs) as a result of a dilution may not achieve client reporting limits in some cases. The elevated RLs are unavoidable consequences of sample dilution required to quantitate target analytes that exceed the calibration range of the instrument.*

DATA QUALIFIERS

A- Indicates that the Tentatively Identified Compound (TIC) is suspected to be an aldol-condensation product. These compounds are by-products of acetone and methylene chloride used in the extraction process.

B- Indicates analyte was present in the Method Blank and sample.

d- For Pesticide and PCB analysis, the concentration between primary and secondary columns is greater than 40%. The lower concentration is generally reported.

E- Indicates the concentration exceeded the upper calibration range of the instrument.

J- Indicates the value is estimated because it is either a Tentatively Identified Compound (TIC) or the reported concentration is greater than the MDL but less than the RL. For samples results between the MDL and RL there is a possibility of false positives or misidentification at the quantitation levels. Additionally, the acceptance criteria for QC samples may not be met.

R- Retention Time is out.

Y- Indicates a contaminant found in the blank at less than 10% of the concentration of a contaminant found in the sample.

Laboratory Chronicle

Client: Chesapeake Geosciences Inc
Project: Hot Spot Refinement Study

HC Project #: 1051310

Lab#: AD23375-001 **Sample ID: HSI-SB-14(3.5')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/14/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/19/21 00:44	WP

Lab#: AD23375-002 **Sample ID: HSI-SB-14(5')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/14/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/17/21 18:58	SG

Lab#: AD23375-003 **Sample ID: HSI-SB-14(6.5')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/14/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/17/21 19:19	SG

Lab#: AD23375-004 **Sample ID: HSI-SB-14(8')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/14/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/17/21 19:41	SG

Lab#: AD23375-005 **Sample ID: HSI-SB-14(10')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/14/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/17/21 20:02	SG

Laboratory Chronicle

Client: Chesapeake Geosciences Inc
Project: Hot Spot Refinement Study

HC Project #: 1051310

Lab#: AD23375-006 **Sample ID: HSI-SB-14(12.5')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/14/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/24/21 18:43	SG

Lab#: AD23375-007 **Sample ID: HSI-SB-14(14.5')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/14/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/24/21 19:22	SG

Lab#: AD23375-008 **Sample ID: HSI-SB-14(16.5')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/14/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/19/21 03:14	WP

Lab#: AD23375-009 **Sample ID: HIS-SB-14(18.5')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/14/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/19/21 11:21	SG

Lab#: AD23375-010 **Sample ID: HSI-SB-D2**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/14/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/21/21 13:14	SG

Laboratory Chronicle

Client: Chesapeake Geosciences Inc **HC Project #:** 1051310

Project: Hot Spot Refinement Study

Lab#: AD23375-011 **Sample ID: HSI-SB-15(3.5')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/14/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/18/21 19:43	SG

Lab#: AD23375-012 **Sample ID: HSI-SB-15(5.5')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/14/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/18/21 20:04	SG

Lab#: AD23375-013 **Sample ID: HSI-SB-15(6')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/14/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/18/21 20:26	SG

Lab#: AD23375-014 **Sample ID: HSI-SB-15(8.5')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/14/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/19/21 04:19	WP

Lab#: AD23375-015 **Sample ID: HSI-SB-15(10')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/14/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/19/21 03:57	WP

Laboratory Chronicle

Client: Chesapeake Geosciences Inc **HC Project #:** 1051310

Project: Hot Spot Refinement Study

Lab#: AD23375-016 **Sample ID: HSI-SB-15(12.5')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/14/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/20/21 02:57	WP

Lab#: AD23375-017 **Sample ID: HSI-SB-15(14')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/14/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/21/21 05:50	WP

Lab#: AD23375-018 **Sample ID: HSI-SB-15(16.5')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/14/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/20/21 03:40	WP

Lab#: AD23375-019 **Sample ID: HSI-SB-15(18.5')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/14/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/25/21 14:44	SG

Lab#: AD23375-020 **Sample ID: HSI-SB-D3**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/14/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/20/21 04:45	WP

Chain of Custody

1051310 0038

Hampton-Clarke, Inc. (WBE/DBE/SBE)

175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

Hampton-Clarke
WBE/DBE/SBE 800-426-9992
A Women-Owned, Disadvantaged, Small Business Enterprise

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

CHAIN OF CUSTODY RECORD

Project # (Lab Use Only): D51310

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Data Deliv.
When Available:	Summary	NJ Hazsite
1 Business Day (100%)*	Results + QC (Waste)	Excel Reg. NJ / NY / PA
2 Business Days (75%)*	Reduced:	EnviroData
3 Business Days (50%)*	[ ] NJ [ ] NY	EQuIS:
4 Business Days (35%)*	[ ] PA [X] Other MD	[ ] 4-File [ ] EZ
5 Business Days (25%)	NJ Full / NY ASP CatB	[ ] NYDEC
8 Business Days (Stand.)	NY ASP CatA	[ ] Region 2 or 5
Other:		Other:

* Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: Chesapeake GeoSciences (CGS)
Address: 5405 Twin Knolls Rd, Ste 1, Columbia, MD 21045
1b) Email/Cell/Fax/Ph: nlove@cgs.us.com
1c) Send Invoice to: Nancy Love
1d) Send Report to: Nancy Love

Project Information

2a) Project: Hot Spot Refinement Study Montgomery Brothers Dump
2b) Project Mgr: Nancy Love
2c) Project Location (City/State): North East, MD
2d) Quote/PO # (If Applicable): CQ09042314 MS

FOR LAB USE ONLY ↓

Batch # ADB375

===> Check If Contingent ===>

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis *(specify methods & parameter lists)*

<=== Check If Contingent <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	7) VOC 8260C	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
001	HSI-SB-14 (3.5')	S	5/12/21	10:45		X	X			4						
002	HSI-SB-14 (5')	S		10:55		X	X			4						
003	HSI-SB-14 (6.5')	S		11:05		X	X			4						
004	HSI-SB-14 (8')	S		11:30		X	X			4						
005	HSI-SB-14 (10')	S		11:40		X	X			4						
006	HSI-SB-14 (12.5')	S		11:50		X	X			4						
007	HSI-SB-14 (14.5')	S		12:25		X	X			4						
008	HSI-SB-14 (16.5')	S		12:35		X	X			4						
009	HSI-SB-14 (18.5')	S		12:40		X	X			4						
010	HSI-SB-D2	S	↓	00:00		X	X			4						

10) Relinquished by:	Accepted by:	Date	Time
Meg Haines		5/13/21	1010
John Bunnell		5/13/21	13:30
John Bunnell		5/13/21	14:50

11) Sampler (print name): Meg Haines Date: 05/12/2021

Additional Notes
MDE RMS Contract Rates

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- [ ] BN or BNA (8270D SIM)
- [ ] VOC (8260C SIM or 8011)
- [ ] SPLP (BN, BNA, Metals)
- [ ] 1,4 Dioxane

For NJ LSRP projects, indicate which standards need to be met:
- [ ] NJDEP GWQS
- [ ] NJDEP SRS
- [ ] NJDEP SPLP
- [ ] Other (specify):

Check if applicable:
- [x] Project-Specific Reporting Limits on each page
- [ ] High Contaminant Concentrations 1st 4 samples
- [ ] NJ LSRP Project (also check boxes above/right)

Cooler Temperature: 9.4

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

Internal use: sampling plan (check box) HC [ ] or client [ ] FSP#

1051310 0039

Hampton-Clarke, Inc. (WBE/DBE/SBE)
175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056
A Women-Owned, Disadvantaged, Small Business Enterprise
NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

CHAIN OF CUSTODY RECORD

Project # (Lab Use Only): 1051310

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Data Deliv.
When Available:	Summary	NJ Hazsite
1 Business Day (100%)*	Results + QC (Waste)	Excel Reg. NJ / NY / PA
2 Business Days (75%)*	Reduced:	EnviroData
3 Business Days (50%)*	[ ] NJ [ ] NY	EQuIS:
4 Business Days (35%)*	[ ] PA [X] Other MD	[ ] 4-File [ ] EZ
5 Business Days (25%)	NJ Full / NY ASP CatB	[ ] NYDEC
8 Business Days (Stand.)	NY ASP CatA	[ ] Region 2 or 5
Other:		Other:

* Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: Chesapeake GeoSciences (CGS)
Address: 5405 Twin Knolls Rd, Ste 1, Columbia, MD 21045
1b) Email/Cell/Fax/Ph: nlove@cgs-les.com
1c) Send Invoice to: Nancy Love
1d) Send Report to: Nancy Love

Project Information

2a) Project: Hot Spot Retinament Study Montgomery Brothers Dump
2b) Project Mgr: Nancy Love
2c) Project Location (City/State): North East, MD
2d) Quote/PO # (If Applicable): CGS042314MS

FOR LAB USE ONLY ↓

Batch # AD23575

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

===> Check If Contingent ===>

7) Analysis (specify methods & parameter lists)

<=== Check If Contingent <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	VOCs 8260C	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
D11	HSI-SB-15 (3.5')	S	5/12/21	14:50		X	X			4						
D12	HSI-SB-15 (5.5')	S		15:00		X	X			4						
D13	HSI-SB-15 (6')	S		15:10		X	X			4						
D14	HSI-SB-15 (8.5')	S		15:35		X	X			4						
D15	HSI-SB-15 (10')	S		15:45		X	X			4						
D16	HSI-SB-15 (12.5')	S		16:00		X	X			4						
D17	HSI-SB-15 (14')	S		16:10		X	X			4						
D18	HSI-SB-15 (16.5')	S		16:25		X	X			4						
D19	HSI-SB-15 (18.5')	S		16:35		X	X			4						
D20	HSI-SB-D3	S	↓	00:00		X	X			4						

10) Relinquished by:	Accepted by:	Date	Time
		5/13/21	10:15
		5/13/21	13:30
		5/13/21	14:50

11) Sampler (print name): Meg Staines Date: 05/12/2021

Additional Notes
MDE RMS Contract Rates

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- [ ] BN or BNA (8270D SIM)
- [ ] VOC (8260C SIM or 8011)
- [ ] SPLP (BN, BNA, Metals)
- [ ] 1,4 Dioxane

For NJ LSRP projects, indicate which standards need to be met:
- [ ] NJDEP GWQS
- [ ] NJDEP SRS
- [ ] NJDEP SPLP
- [ ] Other (specify):

Check if applicable:
- [x] Project-Specific Reporting Limits on each page
- [ ] High Contaminant Concentrations 1st 4 samples
- [ ] NJ LSRP Project (also check boxes above/right)

Cooler Temperature: 2.4

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

Internal use: sampling plan (check box) HC [ ] or client [ ] FSP#

CONDITION UPON RECEIPT

Batch Number AD23375 Entered By: maxwell
Date Entered 5/13/2021 3:26:00 PM

1	Yes	Is there a corresponding COC included with the samples?
2	Yes	Are the samples in a container such as a cooler or Ice chest?
3	No	Are the COC seals intact?
4	T0054	<--- Thermometer ID. Please specify the Temperature inside the container (in degC). 2.4
5	Yes	Are the samples refrigerated (where required)/have they arrived on ice?
6	Yes	Are the samples within the holding times for the parameters listed on the COC? IF no, list parameters and samples:
7	Yes	Are all of the sample bottles intact? If no, specify sample numbers broken/leaking
8	Yes	Are all of the sample labels or numbers legible? If no specify:
9	Yes	Do the contents match the COC? If no, specify
10	Yes	Is there enough sample sent for the analyses listed on the COC? If no, specify:
11	Yes	Are samples preserved correctly?
12	Yes	Was temperature blank present (Place comment below if not)? If not was temperature of samples verified?
13	NA	Other comments ...Specify (TB date, sample matrix, any missing info, etc.)
14	NA	Corrective actions (Specify item number and corrective action taken).
15	NA	Were any samples for ortho-phosphate or dissolved ferrous iron field filtered?

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AD23375-001	05/13/21 14:50	MAXW	0	M	Received
AD23375-001	05/13/21 15:26	MAXW	0	M	Login
AD23375-001	05/13/21 16:14	R12	1	A	NONE
AD23375-001	05/13/21 22:35	PA	1	A	mx
AD23375-001	05/13/21 22:36	R12	1	A	NONE
AD23375-001	05/14/21 09:06	BCT	1	A	SOLIDS
AD23375-001	05/14/21 10:31	R12	1	A	NONE
AD23375-001	05/13/21 15:57	R31	2	A	NONE
AD23375-001	05/13/21 21:24	R31	2	A	NONE
AD23375-001	05/13/21 21:24	WP	2	A	VOA
AD23375-001	05/17/21 12:17	SG	2	A	VOA
AD23375-001	05/17/21 12:18	R31	2	A	NONE
AD23375-001	05/18/21 11:45	SG	2	M	VOA
AD23375-001	05/18/21 14:46	R31	2	A	NONE
AD23375-001	05/13/21 15:58	F18	3	A	NONE
AD23375-001	05/13/21 15:58	F18	4	A	NONE
AD23375-002	05/13/21 14:50	MAXW	0	M	Received
AD23375-002	05/13/21 15:26	MAXW	0	M	Login
AD23375-002	05/13/21 16:14	R12	1	A	NONE
AD23375-002	05/13/21 22:35	PA	1	A	mx
AD23375-002	05/14/21 09:06	BCT	1	A	SOLIDS
AD23375-002	05/14/21 10:31	R12	1	A	NONE
AD23375-002	05/13/21 15:57	R31	2	A	NONE
AD23375-002	05/13/21 21:24	WP	2	A	VOA
AD23375-002	05/13/21 21:24	R31	2	A	NONE
AD23375-002	05/17/21 14:58	SG	2	A	VOA
AD23375-002	05/17/21 14:58	R31	2	A	NONE
AD23375-002	05/13/21 15:58	F18	3	A	NONE
AD23375-002	05/13/21 15:58	F18	4	A	NONE
AD23375-003	05/13/21 14:50	MAXW	0	M	Received
AD23375-003	05/13/21 15:26	MAXW	0	M	Login
AD23375-003	05/13/21 16:14	R12	1	A	NONE
AD23375-003	05/13/21 22:35	PA	1	A	mx
AD23375-003	05/13/21 22:36	R12	1	A	NONE
AD23375-003	05/14/21 09:06	BCT	1	A	SOLIDS
AD23375-003	05/14/21 10:31	R12	1	A	NONE
AD23375-003	05/13/21 15:57	R31	2	A	NONE
AD23375-003	05/13/21 21:24	R31	2	A	NONE
AD23375-003	05/13/21 21:24	WP	2	A	VOA
AD23375-003	05/17/21 14:58	R31	2	A	NONE
AD23375-003	05/17/21 14:58	SG	2	A	VOA
AD23375-003	05/13/21 15:58	F18	3	A	NONE
AD23375-003	05/13/21 15:58	F18	4	A	NONE
AD23375-004	05/13/21 14:50	MAXW	0	M	Received
AD23375-004	05/13/21 15:26	MAXW	0	M	Login
AD23375-004	05/13/21 16:14	R12	1	A	NONE
AD23375-004	05/13/21 22:35	PA	1	A	mx
AD23375-004	05/13/21 22:36	R12	1	A	NONE
AD23375-004	05/14/21 09:06	BCT	1	A	SOLIDS
AD23375-004	05/14/21 10:31	R12	1	A	NONE
AD23375-004	05/13/21 15:57	R31	2	A	NONE
AD23375-004	05/13/21 21:24	WP	2	A	VOA
AD23375-004	05/13/21 21:24	R31	2	A	NONE
AD23375-004	05/17/21 14:58	SG	2	A	VOA
AD23375-004	05/17/21 14:58	R31	2	A	NONE
AD23375-004	05/13/21 15:58	F18	3	A	NONE
AD23375-004	05/13/21 15:58	F18	4	A	NONE
AD23375-005	05/13/21 14:50	MAXW	0	M	Received
AD23375-005	05/13/21 15:26	MAXW	0	M	Login
AD23375-005	05/13/21 16:14	R12	1	A	NONE
AD23375-005	05/13/21 22:35	PA	1	A	mx
AD23375-005	05/13/21 22:36	R12	1	A	NONE
AD23375-005	05/14/21 09:06	BCT	1	A	SOLIDS
AD23375-005	05/14/21 10:31	R12	1	A	NONE
AD23375-005	05/13/21 15:57	R31	2	A	NONE
AD23375-005	05/13/21 21:24	R31	2	A	NONE
AD23375-005	05/13/21 21:24	WP	2	A	VOA
AD23375-005	05/17/21 14:58	SG	2	A	VOA
AD23375-005	05/17/21 14:58	R31	2	A	NONE
AD23375-005	05/13/21 15:58	F18	3	A	NONE
AD23375-005	05/13/21 15:58	F18	4	A	NONE
AD23375-006	05/13/21 14:50	MAXW	0	M	Received
AD23375-006	05/13/21 15:26	MAXW	0	M	Login
AD23375-006	05/13/21 16:14	R12	1	A	NONE
AD23375-006	05/13/21 22:35	PA	1	A	mx

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AD23375-006	05/13/21 22:36	R12	1	A	NONE
AD23375-006	05/14/21 09:06	BCT	1	A	SOLIDS
AD23375-006	05/14/21 10:31	R12	1	A	NONE
AD23375-006	05/13/21 15:57	R31	2	A	NONE
AD23375-006	05/13/21 21:24	R31	2	A	NONE
AD23375-006	05/13/21 21:24	WP	2	A	VOA
AD23375-006	05/17/21 14:58	R31	2	A	NONE
AD23375-006	05/17/21 14:58	SG	2	A	VOA
AD23375-006	05/24/21 17:57	R31	2	A	NONE
AD23375-006	05/24/21 17:57	WP	2	A	VOA
AD23375-006	05/13/21 15:58	F18	3	A	NONE
AD23375-006	05/13/21 15:58	F18	4	A	NONE
AD23375-007	05/13/21 14:50	MAXW	0	M	Received
AD23375-007	05/13/21 15:26	MAXW	0	M	Login
AD23375-007	05/13/21 16:14	R12	1	A	NONE
AD23375-007	05/13/21 22:35	PA	1	A	mx
AD23375-007	05/13/21 22:36	R12	1	A	NONE
AD23375-007	05/14/21 09:06	BCT	1	A	SOLIDS
AD23375-007	05/14/21 10:31	R12	1	A	NONE
AD23375-007	05/13/21 15:57	R31	2	A	NONE
AD23375-007	05/13/21 21:24	R31	2	A	NONE
AD23375-007	05/13/21 21:24	WP	2	A	VOA
AD23375-007	05/17/21 14:58	R31	2	A	NONE
AD23375-007	05/17/21 14:58	SG	2	A	VOA
AD23375-007	05/24/21 17:57	WP	2	A	VOA
AD23375-007	05/24/21 17:57	R31	2	A	NONE
AD23375-007	05/13/21 15:58	F18	3	A	NONE
AD23375-007	05/24/21 16:29	RL	3	A	VOA
AD23375-007	05/13/21 15:58	F18	4	A	NONE
AD23375-008	05/13/21 14:50	MAXW	0	M	Received
AD23375-008	05/13/21 15:26	MAXW	0	M	Login
AD23375-008	05/13/21 16:14	R12	1	A	NONE
AD23375-008	05/13/21 22:35	PA	1	A	mx
AD23375-008	05/13/21 22:36	R12	1	A	NONE
AD23375-008	05/14/21 09:06	BCT	1	A	SOLIDS
AD23375-008	05/14/21 10:31	R12	1	A	NONE
AD23375-008	05/13/21 15:57	R31	2	A	NONE
AD23375-008	05/13/21 21:24	R31	2	A	NONE
AD23375-008	05/13/21 21:24	WP	2	A	VOA
AD23375-008	05/17/21 14:58	R31	2	A	NONE
AD23375-008	05/17/21 14:58	SG	2	A	VOA
AD23375-008	05/18/21 11:45	SG	2	M	VOA
AD23375-008	05/18/21 14:46	R31	2	A	NONE
AD23375-008	05/13/21 15:58	F18	3	A	NONE
AD23375-008	05/13/21 15:58	F18	4	A	NONE
AD23375-009	05/13/21 14:50	MAXW	0	M	Received
AD23375-009	05/13/21 15:26	MAXW	0	M	Login
AD23375-009	05/13/21 16:14	R12	1	A	NONE
AD23375-009	05/13/21 22:35	PA	1	A	mx
AD23375-009	05/13/21 22:36	R12	1	A	NONE
AD23375-009	05/14/21 09:06	BCT	1	A	SOLIDS
AD23375-009	05/14/21 10:31	R12	1	A	NONE
AD23375-009	05/13/21 15:57	R31	2	A	NONE
AD23375-009	05/13/21 21:24	R31	2	A	NONE
~~AD23375-009~~	~~05/13/21 21:24~~	~~WP~~	~~2~~	~~A~~	~~VOA~~
AD23375-009	05/17/21 14:58	R31	2	A	NONE
AD23375-009	05/17/21 14:58	SG	2	A	VOA
AD23375-009	05/18/21 11:45	SG	2	M	VOA
AD23375-009	05/18/21 14:46	R31	2	A	NONE
AD23375-009	05/24/21 17:57	WP	2	A	VOA
AD23375-009	05/24/21 17:57	R31	2	A	NONE
AD23375-009	05/13/21 15:58	F18	3	A	NONE
AD23375-009	05/13/21 15:58	F18	4	A	NONE
AD23375-009	05/19/21 10:39	RL	4	A	VOA
AD23375-010	05/13/21 14:50	MAXW	0	M	Received
AD23375-010	05/13/21 15:26	MAXW	0	M	Login
AD23375-010	05/13/21 16:14	R12	1	A	NONE
AD23375-010	05/13/21 22:35	PA	1	A	mx
AD23375-010	05/13/21 22:36	R12	1	A	NONE
AD23375-010	05/14/21 09:06	BCT	1	A	SOLIDS
AD23375-010	05/14/21 10:31	R12	1	A	NONE
AD23375-010	05/13/21 15:58	F18	2	A	NONE
AD23375-010	05/13/21 15:58	F18	3	A	NONE
AD23375-010	05/13/21 15:57	R31	4	A	NONE
AD23375-010	05/13/21 21:24	WP	4	A	VOA

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AD23375-010	05/13/21 21:24	R31	4	A	NONE
AD23375-010	05/18/21 11:45	SG	4	M	VOA
AD23375-010	05/18/21 14:46	R31	4	A	NONE
AD23375-010	05/18/21 16:08	RL	4	A	VOA
AD23375-010	05/18/21 16:09	R31	4	A	NONE
AD23375-010	05/19/21 17:36	RL	4	A	VOA
AD23375-010	05/19/21 17:37	R31	4	A	NONE
AD23375-010	05/20/21 17:14	RL	4	A	VOA
AD23375-010	05/20/21 17:47	R31	4	A	NONE
AD23375-011	05/13/21 14:50	MAXW	0	M	Received
AD23375-011	05/13/21 15:26	MAXW	0	M	Login
AD23375-011	05/13/21 16:14	R12	1	A	NONE
AD23375-011	05/13/21 22:35	PA	1	A	mx
AD23375-011	05/13/21 22:36	R12	1	A	NONE
AD23375-011	05/14/21 09:06	BCT	1	A	SOLIDS
AD23375-011	05/14/21 10:31	R12	1	A	NONE
AD23375-011	05/13/21 15:57	R31	2	A	NONE
AD23375-011	05/13/21 21:24	R31	2	A	NONE
AD23375-011	05/13/21 21:24	WP	2	A	VOA
AD23375-011	05/18/21 11:45	SG	2	M	VOA
AD23375-011	05/18/21 14:46	R31	2	A	NONE
AD23375-011	05/13/21 15:58	F18	3	A	NONE
AD23375-011	05/13/21 15:58	F18	4	A	NONE
AD23375-012	05/13/21 14:50	MAXW	0	M	Received
AD23375-012	05/13/21 15:26	MAXW	0	M	Login
AD23375-012	05/13/21 16:14	R12	1	A	NONE
AD23375-012	05/13/21 22:35	PA	1	A	mx
AD23375-012	05/13/21 22:36	R12	1	A	NONE
AD23375-012	05/14/21 09:06	BCT	1	A	SOLIDS
AD23375-012	05/14/21 10:31	R12	1	A	NONE
AD23375-012	05/13/21 15:57	R31	2	A	NONE
AD23375-012	05/13/21 21:24	R31	2	A	NONE
AD23375-012	05/13/21 21:24	WP	2	A	VOA
AD23375-012	05/18/21 11:45	SG	2	M	VOA
AD23375-012	05/18/21 14:46	R31	2	A	NONE
AD23375-012	05/13/21 15:58	F18	3	A	NONE
AD23375-012	05/13/21 15:58	F18	4	A	NONE
AD23375-013	05/13/21 14:50	MAXW	0	M	Received
AD23375-013	05/13/21 15:26	MAXW	0	M	Login
AD23375-013	05/13/21 16:14	R12	1	A	NONE
AD23375-013	05/13/21 22:35	PA	1	A	mx
AD23375-013	05/13/21 22:36	R12	1	A	NONE
AD23375-013	05/14/21 09:06	BCT	1	A	SOLIDS
AD23375-013	05/14/21 10:31	R12	1	A	NONE
AD23375-013	05/13/21 15:57	R31	2	A	NONE
AD23375-013	05/13/21 21:24	R31	2	A	NONE
AD23375-013	05/13/21 21:24	WP	2	A	VOA
AD23375-013	05/18/21 11:45	SG	2	M	VOA
AD23375-013	05/18/21 14:46	R31	2	A	NONE
AD23375-013	05/13/21 15:58	F18	3	A	NONE
AD23375-013	05/13/21 15:58	F18	4	A	NONE
AD23375-014	05/13/21 14:50	MAXW	0	M	Received
AD23375-014	05/13/21 15:26	MAXW	0	M	Login
AD23375-014	05/13/21 16:14	R12	1	A	NONE
AD23375-014	05/13/21 22:35	PA	1	A	mx
AD23375-014	05/13/21 22:36	R12	1	A	NONE
AD23375-014	05/14/21 09:06	BCT	1	A	SOLIDS
AD23375-014	05/14/21 10:31	R12	1	A	NONE
AD23375-014	05/13/21 15:57	R31	2	A	NONE
AD23375-014	05/13/21 21:24	R31	2	A	NONE
AD23375-014	05/13/21 21:24	WP	2	A	VOA
AD23375-014	05/18/21 11:45	SG	2	M	VOA
AD23375-014	05/18/21 14:46	R31	2	A	NONE
AD23375-014	05/13/21 15:58	F18	3	A	NONE
AD23375-014	05/13/21 15:58	F18	4	A	NONE
AD23375-015	05/13/21 14:50	MAXW	0	M	Received
AD23375-015	05/13/21 15:26	MAXW	0	M	Login
AD23375-015	05/13/21 16:14	R12	1	A	NONE
AD23375-015	05/13/21 22:35	PA	1	A	mx
AD23375-015	05/13/21 22:36	R12	1	A	NONE
AD23375-015	05/14/21 09:06	BCT	1	A	SOLIDS
AD23375-015	05/14/21 10:31	R12	1	A	NONE
AD23375-015	05/13/21 15:57	R31	2	A	NONE
AD23375-015	05/13/21 21:24	WP	2	A	VOA
AD23375-015	05/13/21 21:24	R31	2	A	NONE
AD23375-015	05/18/21 11:45	SG	2	M	VOA
AD23375-015	05/18/21 14:46	R31	2	A	NONE
AD23375-015	05/13/21 15:58	F18	3	A	NONE
AD23375-015	05/13/21 15:58	F18	4	A	NONE
AD23375-016	05/13/21 14:50	MAXW	0	M	Received
AD23375-016	05/13/21 15:26	MAXW	0	M	Login
AD23375-016	05/13/21 16:14	R12	1	A	NONE
AD23375-016	05/13/21 22:35	PA	1	A	mx
AD23375-016	05/13/21 22:36	R12	1	A	NONE
AD23375-016	05/14/21 09:06	BCT	1	A	SOLIDS
AD23375-016	05/14/21 10:31	R12	1	A	NONE
AD23375-016	05/13/21 15:57	R31	2	A	NONE
AD23375-016	05/13/21 21:24	WP	2	A	VOA
AD23375-016	05/13/21 21:24	R31	2	A	NONE
AD23375-016	05/18/21 11:45	SG	2	M	VOA
AD23375-016	05/18/21 14:46	R31	2	A	NONE
AD23375-016	05/18/21 16:08	RL	2	A	VOA
AD23375-016	05/18/21 16:09	R31	2	A	NONE
AD23375-016	05/19/21 17:36	RL	2	A	VOA
AD23375-016	05/19/21 17:37	R31	2	A	NONE
AD23375-016	05/13/21 15:58	F18	3	A	NONE
AD23375-016	05/13/21 15:58	F18	4	A	NONE
AD23375-017	05/13/21 14:50	MAXW	0	M	Received
AD23375-017	05/13/21 15:26	MAXW	0	M	Login
AD23375-017	05/13/21 16:14	R12	1	A	NONE
AD23375-017	05/13/21 22:35	PA	1	A	mx
AD23375-017	05/13/21 22:36	R12	1	A	NONE
AD23375-017	05/14/21 09:06	BCT	1	A	SOLIDS
AD23375-017	05/14/21 10:31	R12	1	A	NONE
AD23375-017	05/13/21 15:57	R31	2	A	NONE
AD23375-017	05/13/21 21:24	R31	2	A	NONE
AD23375-017	05/13/21 21:24	WP	2	A	VOA
AD23375-017	05/18/21 11:45	SG	2	M	VOA
AD23375-017	05/18/21 14:46	R31	2	A	NONE
AD23375-017	05/18/21 16:08	RL	2	A	VOA
AD23375-017	05/18/21 16:09	R31	2	A	NONE
AD23375-017	05/19/21 17:36	RL	2	A	VOA
AD23375-017	05/19/21 17:37	R31	2	A	NONE
AD23375-017	05/20/21 17:14	RL	2	A	VOA
AD23375-017	05/20/21 17:47	R31	2	A	NONE
AD23375-017	05/13/21 15:58	F18	3	A	NONE
AD23375-017	05/13/21 15:58	F18	4	A	NONE
AD23375-018	05/13/21 14:50	MAXW	0	M	Received
AD23375-018	05/13/21 15:26	MAXW	0	M	Login
AD23375-018	05/13/21 16:14	R12	1	A	NONE
AD23375-018	05/13/21 22:35	PA	1	A	mx
AD23375-018	05/13/21 22:36	R12	1	A	NONE
AD23375-018	05/14/21 09:06	BCT	1	A	SOLIDS
AD23375-018	05/14/21 10:31	R12	1	A	NONE
AD23375-018	05/13/21 15:57	R31	2	A	NONE
AD23375-018	05/13/21 21:24	R31	2	A	NONE
AD23375-018	05/13/21 21:24	WP	2	A	VOA
AD23375-018	05/18/21 11:45	SG	2	M	VOA
AD23375-018	05/18/21 14:46	R31	2	A	NONE
~~AD23375-018~~	~~05/18/21 16:08~~	~~RL~~	~~2~~	~~A~~	~~VOA~~
AD23375-018	05/18/21 16:09	R31	2	A	NONE
AD23375-018	05/19/21 17:36	RL	2	A	VOA
AD23375-018	05/19/21 17:37	R31	2	A	NONE
AD23375-018	05/13/21 15:58	F18	3	A	NONE
AD23375-018	05/13/21 15:58	F18	4	A	NONE
AD23375-019	05/13/21 14:50	MAXW	0	M	Received
AD23375-019	05/13/21 15:26	MAXW	0	M	Login
AD23375-019	05/13/21 16:14	R12	1	A	NONE
AD23375-019	05/13/21 22:35	PA	1	A	mx
AD23375-019	05/13/21 22:36	R12	1	A	NONE
AD23375-019	05/14/21 09:06	BCT	1	A	SOLIDS
AD23375-019	05/14/21 10:31	R12	1	A	NONE
AD23375-019	05/13/21 15:57	R31	2	A	NONE
AD23375-019	05/13/21 21:24	WP	2	A	VOA
AD23375-019	05/13/21 21:24	R31	2	A	NONE
AD23375-019	05/18/21 11:45	SG	2	M	VOA
AD23375-019	05/18/21 14:46	R31	2	A	NONE
AD23375-019	05/18/21 16:08	RL	2	A	VOA
AD23375-019	05/18/21 16:09	R31	2	A	NONE
AD23375-019	05/19/21 17:36	RL	2	A	VOA

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AD23375-019	05/19/21 17:37	R31	2	A	NONE
AD23375-019	05/13/21 15:58	F18	3	A	NONE
AD23375-019	05/13/21 15:58	F18	4	A	NONE
AD23375-019	05/25/21 14:24	SG	4	A	VOA
AD23375-020	05/13/21 14:50	MAXW	0	M	Received
AD23375-020	05/13/21 15:26	MAXW	0	M	Login
AD23375-020	05/13/21 16:14	R12	1	A	NONE
AD23375-020	05/13/21 22:35	PA	1	A	mx
AD23375-020	05/13/21 22:36	R12	1	A	NONE
AD23375-020	05/14/21 09:06	BCT	1	A	SOLIDS
AD23375-020	05/14/21 10:31	R12	1	A	NONE
AD23375-020	05/13/21 15:57	R31	2	A	NONE
AD23375-020	05/13/21 21:24	WP	2	A	VOA
AD23375-020	05/13/21 21:24	R31	2	A	NONE
AD23375-020	05/18/21 11:45	SG	2	M	VOA
AD23375-020	05/18/21 14:46	R31	2	A	NONE
AD23375-020	05/19/21 17:36	RL	2	A	VOA
AD23375-020	05/19/21 17:37	R31	2	A	NONE
AD23375-020	05/13/21 15:58	F18	3	A	NONE
AD23375-020	05/13/21 15:58	F18	4	A	NONE
AD23375-020	05/18/21 14:07	SG	4	A	VOA

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

Volatile Data

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23375-001(8uL)
Client Id: HSI-SB-14(3.5')
Data File: 11M91345.D
Analysis Date: 05/19/21 00:44
Date Rec/Extracted: 05/13/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 7.52g:10ml
Final Vol: NA
Dilution: 6650
Solids: 86

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	2.8	7.7	U	56-23-5	Carbon Tetrachloride	2.5	7.7	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**3.5**	**7.7**	**110**	**108-90-7**	**Chlorobenzene**	**2.6**	**7.7**	**730**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	5.6	7.7	U	75-00-3	Chloroethane	4.5	7.7	U
79-00-5	1,1,2-Trichloroethane	2.5	7.7	U	67-66-3	Chloroform	15	15	U
75-34-3	1,1-Dichloroethane	3.3	7.7	U	74-87-3	Chloromethane	4.0	7.7	U
75-35-4	1,1-Dichloroethene	4.1	7.7	U	**156-59-2**	**cis-1,2-Dichloroethene**	**4.9**	**7.7**	**20**
87-61-6	1,2,3-Trichlorobenzene	6.1	7.7	U	10061-01-5	cis-1,3-Dichloropropene	2.5	7.7	U
120-82-1	1,2,4-Trichlorobenzene	5.6	7.7	U	110-82-7	Cyclohexane	3.8	7.7	U
96 12-8	1,2-Dibromo-3-Chloropropa	6.5	7.7	U	124-48-1	Dibromochloromethane	1.8	7.7	U
106-93-4	1,2-Dibromoethane	2.6	7.7	U	75-71-8	Dichlorodifluoromethane	4.8	7.7	U
95-50-1	1,2-Dichlorobenzene	2.5	7.7	U	**100-41-4**	**Ethylbenzene**	**3.6**	**7.7**	**19**
107-06-2	**1,2-Dichloroethane**	**4.9**	**4.9**	**51**	98-82-8	Isopropylbenzene	3.8	7.7	U
78-87-5	1,2-Dichloropropane	2.3	7.7	U	**179601-23-1**	**m&p-Xylenes**	**6.6**	**7.7**	**98**
541-73-1	1,3-Dichlorobenzene	2.9	7.7	U	79-20-9	Methyl Acetate	5.4	7.7	U
106-46-7	1,4-Dichlorobenzene	2.8	7.7	U	108-87-2	Methylcyclohexane	4.7	7.7	U
123-91-1	1,4-Dioxane	300	390	U	**75-09-2**	**Methylene Chloride**	**2.3**	**7.7**	**110**
78-93-3	2-Butanone	5.8	7.7	U	1634-04-4	Methyl-t-butyl ether	2.4	3.9	U
591-78-6	2-Hexanone	4.6	7.7	U	**95-47-6**	**o-Xylene**	**5.3**	**7.7**	**23**
108-10-1	**4-Methyl-2-Pentanone**	**3.8**	**7.7**	**130**	100-42-5	Styrene	4.2	7.7	U
67-64-1	Acetone	35	39	U	**127-18-4**	**Tetrachloroethene**	**2.8**	**7.7**	**34**
71-43-2	**Benzene**	**2.3**	**3.9**	**4.7**	**108-88-3**	**Toluene**	**2.5**	**7.7**	**1100**
74-97-5	Bromochloromethane	6.1	7.7	U	156-60-5	trans-1,2-Dichloroethene	2.4	7.7	U
75-27-4	Bromodichloromethane	2.7	7.7	U	10061-02-6	trans-1,3-Dichloropropene	2.4	7.7	U
75-25-2	Bromoform	4.2	7.7	U	**79-01-6**	**Trichloroethene**	**2.7**	**7.7**	**770**
74-83-9	Bromomethane	3.9	7.7	U	75-69-4	Trichlorofluoromethane	2.4	7.7	U
75-15-0	Carbon Disulfide	3.3	7.7	U	75-01-4	Vinyl Chloride	5.5	7.7	U
1330-20-7	**Xylenes (Total)**	**5.3**	**7.7**	**120**					

Worksheet #: 593069

Total Target Concentration 3200

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Quantitation Report (QT Reviewed)

SampleID : AD23375-001(8uL) Operator : WP Qt Meth : 11M_A0408.M
Data File: 11M91345.D Sam Mult : 1 Vial# : 7 Qt On : 05/19/21 08:46
Acq On : 05/19/21 00:44 Misc : M,MEXT!2 Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-1821\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.951	96	202226	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.543	117	190851	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.810	152	101356	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.572	111	57621	29.51	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.37%			
39) 1,2-Dichloroethane-d4	4.771	67	30542	35.34	ug/l	0.00
Spiked Amount 30.000			Recovery = 117.80%			
66) Toluene-d8	5.781	98	219654	28.74	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.80%			
76) Bromofluorobenzene	7.160	174	80143	30.29	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.97%			
Target Compounds						Qvalue
15) Methylene Chloride	3.363	84	21688	13.9047	ug/l	82
30) cis-1,2-Dichloroethene	4.299	61	6316	2.5976	ug/l	62
40) 1,2-Dichloroethane	4.813	62	15614	6.5727	ug/l	91
49) Trichloroethene	5.151	130	207400	99.7537	ug/l	96
50) Benzene	4.816	78	3971	0.6036	ug/l	100
63) 4-Methyl-2-Pentanone	5.694	43	27257	17.1602	ug/l	99
65) Tetrachloroethene	6.112	164	8123	4.4109	ug/l	86
67) Toluene	5.816	92	684201	147.2876	ug/l	98
69) Chlorobenzene	6.556	112	507749	94.5778	ug/l	99
74) Ethylbenzene	6.594	106	6121	2.5151	ug/l	92
75) 1,1,2,2-Tetrachloroethane	7.209	83	33208	13.8714	ug/l	92
78) m&p-Xylenes	6.656	106	39526	12.6152	ug/l	84
79) o-Xylene	6.874	106	10012	2.9130	ug/l	87

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

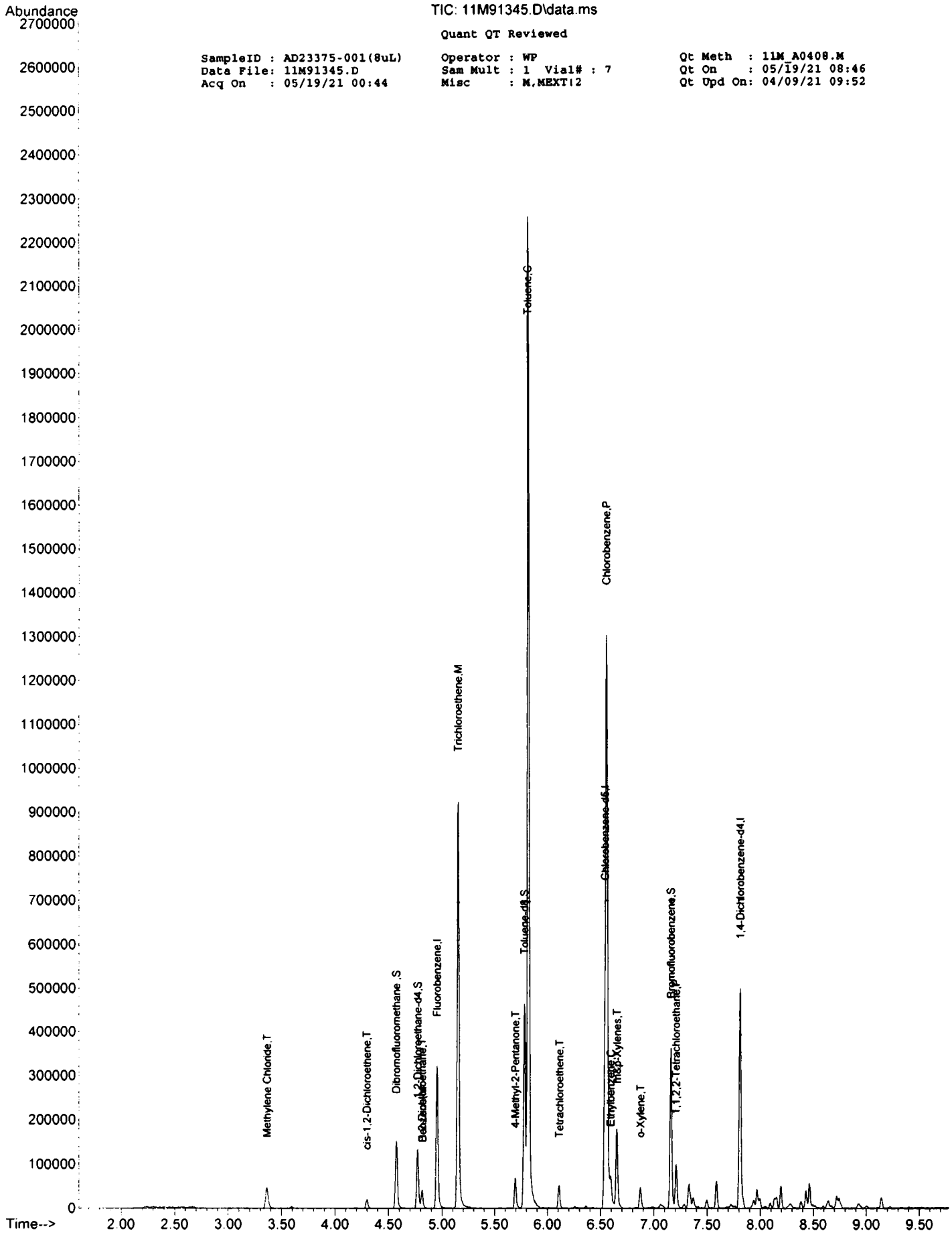
TIC: 11M91345.D\data.ms

Quant QT Reviewed

SampleID : AD23375-001(8uL)
Data File: 11M91345.D
Acq On : 05/19/21 00:44

Operator : WP
Sam Mult : 1 Vial# : 7
Misc : M,MEXT12

Qt Meth : 11M_A0408.M
Qt On : 05/19/21 08:46
Qt Upd On: 04/09/21 09:52



Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23375-002(8uL)
Client Id: HSI-SB-14(5')
Data File: 11M91263.D
Analysis Date: 05/17/21 18:58
Date Rec/Extracted: 05/13/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 7.6g:10ml
Final Vol: NA
Dilution: 6580
Solids: 85

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	2.8	7.7	U	56-23-5	Carbon Tetrachloride	2.5	7.7	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**3.5**	**7.7**	**270**	**108-90-7**	**Chlorobenzene**	**2.6**	**7.7**	**1300**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	5.6	7.7	U	75-00-3	Chloroethane	4.5	7.7	U
79-00-5	1,1,2-Trichloroethane	2.5	7.7	U	67-66-3	Chloroform	15	15	U
75-34-3	1,1-Dichloroethane	3.3	7.7	U	74-87-3	Chloromethane	4.0	7.7	U
75-35-4	1,1-Dichloroethene	4.1	7.7	U	**156-59-2**	**cis-1,2-Dichloroethene**	**4.9**	**7.7**	**41**
87-61-6	1,2,3-Trichlorobenzene	6.1	7.7	U	10061-01-5	cis-1,3-Dichloropropene	2.5	7.7	U
120-82-1	1,2,4-Trichlorobenzene	5.6	7.7	U	110-82-7	Cyclohexane	3.8	7.7	U
96-12-8	1,2-Dibromo-3-Chloropropa	6.5	7.7	U	124-48-1	Dibromochloromethane	1.9	7.7	U
106-93-4	1,2-Dibromoethane	2.7	7.7	U	75-71-8	Dichlorodifluoromethane	4.8	7.7	U
95-50-1	1,2-Dichlorobenzene	2.5	7.7	U	**100-41-4**	**Ethylbenzene**	**3.6**	**7.7**	**39**
107-06-2	**1,2-Dichloroethane**	**4.9**	**4.9**	**90**	**98-82-8**	**Isopropylbenzene**	**3.8**	**7.7**	**4.3J**
78-87-5	1,2-Dichloropropane	2.3	7.7	U	**179601-23-1**	**m&p-Xylenes**	**6.6**	**7.7**	**190**
541-73-1	1,3-Dichlorobenzene	2.9	7.7	U	79-20-9	Methyl Acetate	5.4	7.7	U
106-46-7	1,4-Dichlorobenzene	2.8	7.7	U	108-87-2	Methylcyclohexane	4.8	7.7	U
123-91-1	1,4-Dioxane	300	390	U	**75-09-2**	**Methylene Chloride**	**2.3**	**7.7**	**180**
78-93-3	2-Butanone	5.8	7.7	U	1634-04-4	Methyl-t-butyl ether	2.4	3.9	U
591-78-6	2-Hexanone	4.6	7.7	U	**95-47-6**	**o-Xylene**	**5.3**	**7.7**	**43**
108-10-1	**4-Methyl-2-Pentanone**	**3.8**	**7.7**	**210**	100-42-5	Styrene	4.2	7.7	U
67-64-1	Acetone	35	39	U	**127-18-4**	**Tetrachloroethene**	**2.8**	**7.7**	**65**
71-43-2	**Benzene**	**2.3**	**3.9**	**8.3**	**108-88-3**	**Toluene**	**2.5**	**7.7**	**2400**
74-97-5	Bromochloromethane	6.1	7.7	U	**156-60-5**	**trans-1,2-Dichloroethene**	**2.4**	**7.7**	**11**
75-27-4	Bromodichloromethane	2.7	7.7	U	10061-02-6	trans-1,3-Dichloropropene	2.4	7.7	U
75-25-2	Bromoform	4.2	7.7	U	**79-01-6**	**Trichloroethene**	**2.7**	**7.7**	**1400**
74-83-9	Bromomethane	3.9	7.7	U	75-69-4	Trichlorofluoromethane	2.4	7.7	U
75-15-0	Carbon Disulfide	3.3	7.7	U	75-01-4	Vinyl Chloride	5.5	7.7	U
1330-20-7	**Xylenes (Total)**	**5.3**	**7.7**	**230**					

Worksheet #: 593069

Total Target Concentration 6300

ColumnID: (^) Indicates results from 2nd column

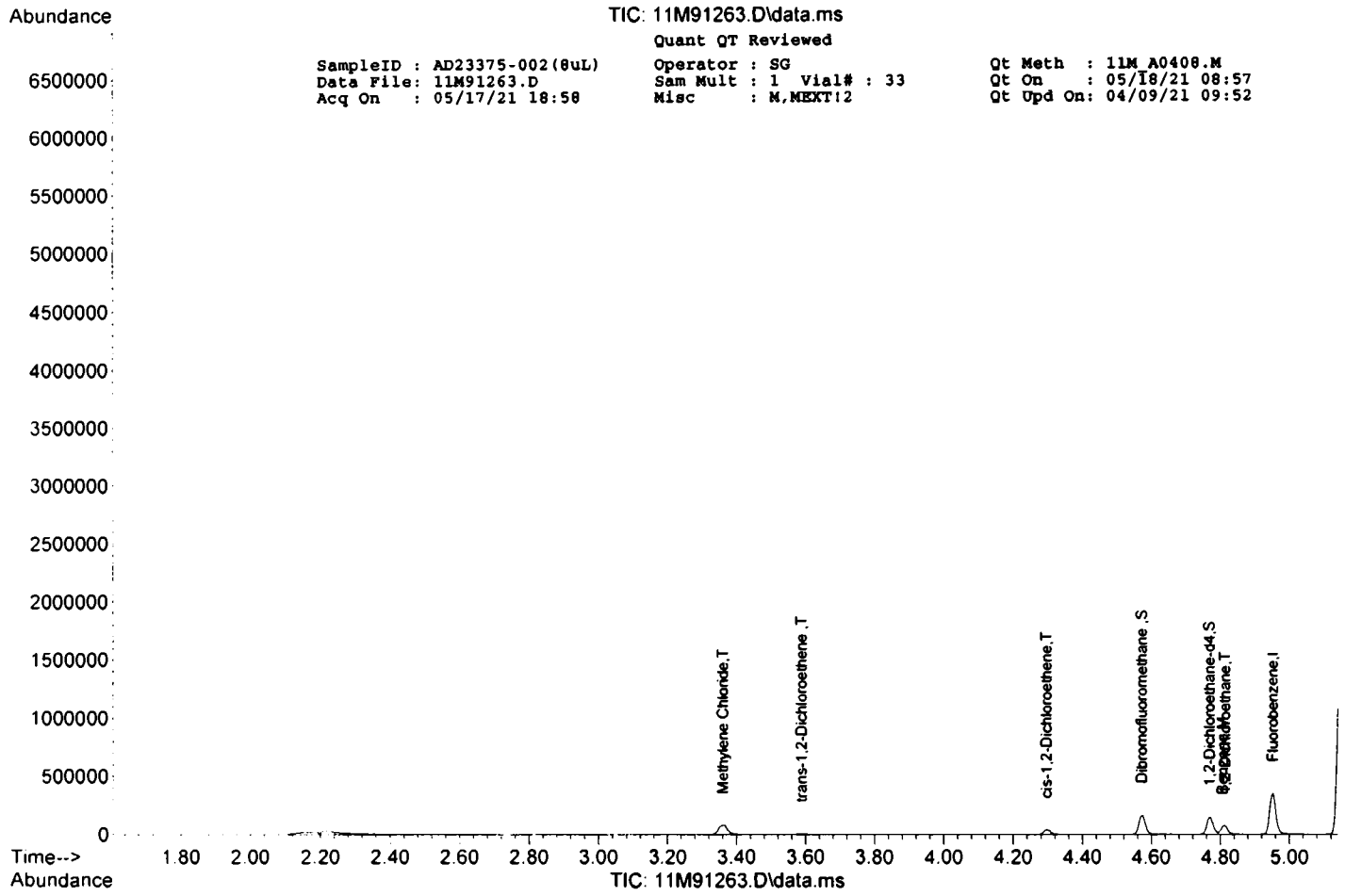
U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

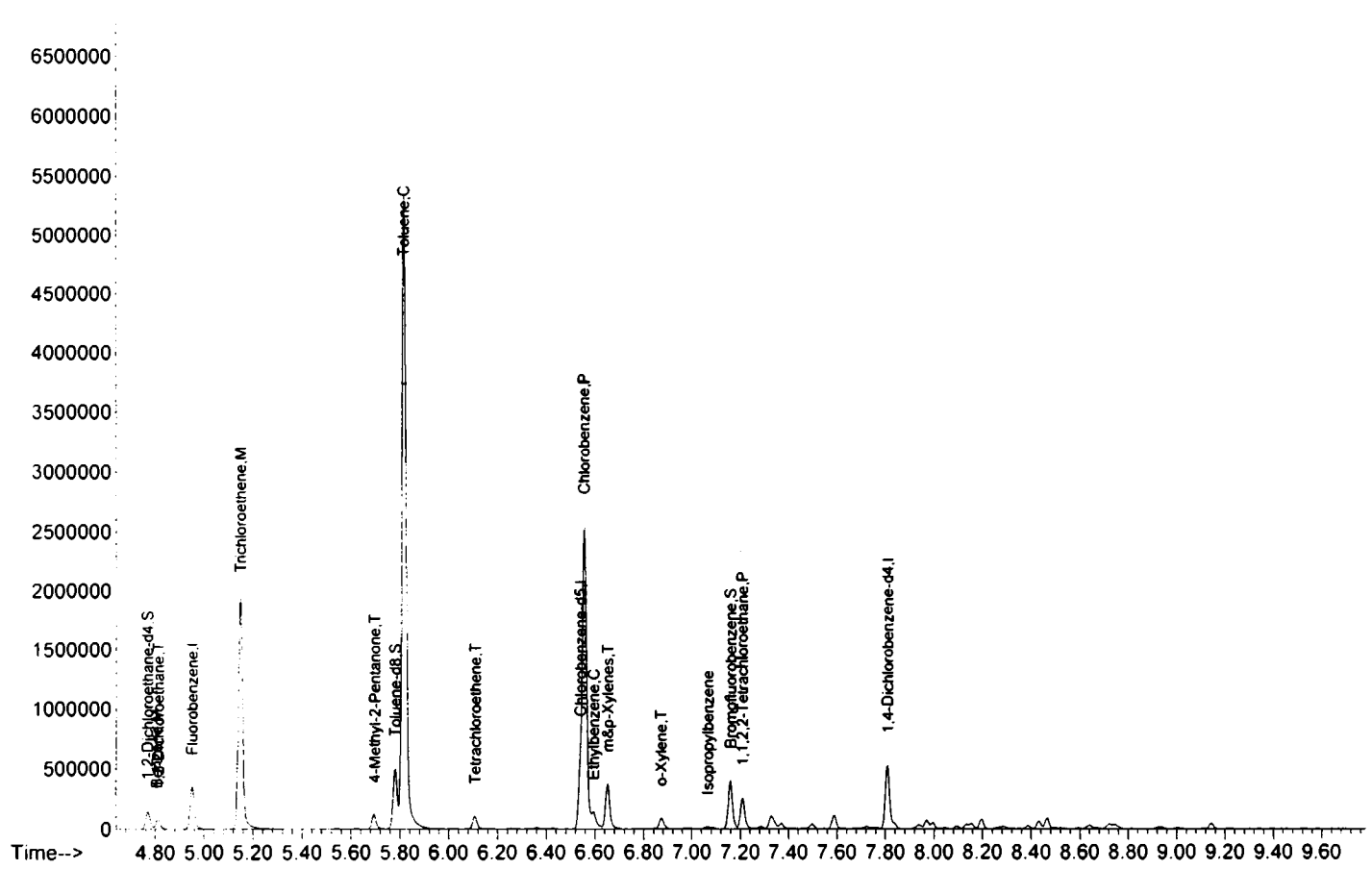
SampleID : AD23375-002(8uL) Operator : SG Qt Meth : 11M_A0408.M
Data File: 11M91263.D Sam Mult : 1 Vial# : 33 Qt On : 05/18/21 08:57
Acq On : 05/17/21 18:58 Misc : M,MEXT!2 Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-17-21\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.951	96	226021	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	209268	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.810	152	108109	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.572	111	64820	29.70	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.00%			
39) 1,2-Dichloroethane-d4	4.768	67	32034	33.16	ug/l	0.00
Spiked Amount 30.000			Recovery = 110.53%			
66) Toluene-d8	5.781	98	243318	29.04	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.80%			
76) Bromofluorobenzene	7.160	174	88509	31.36	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.53%			
Target Compounds						Qvalue
15) Methylene Chloride	3.360	84	40344	23.1424	ug/l	84
28) trans-1,2-Dichloroethene	3.588	96	2781	1.4680	ug/l	53
30) cis-1,2-Dichloroethene	4.296	61	14282	5.2555	ug/l	77
40) 1,2-Dichloroethane	4.813	62	30733	11.5750	ug/l	96
49) Trichloroethene	5.151	130	432764	186.2343	ug/l	97
50) Benzene	4.807	78	7872	1.0705	ug/l	100
63) 4-Methyl-2-Pentanone	5.697	43	48015	27.5685	ug/l	86
65) Tetrachloroethene	6.109	164	16844	8.3416	ug/l	83
67) Toluene	5.816	92	1550396	304.3804	ug/l	98
69) Chlorobenzene	6.556	112	1022572	173.7103	ug/l	100
74) Ethylbenzene	6.594	106	12936	4.9834	ug/l	90
75) 1,1,2,2-Tetrachloroethane	7.209	83	89475	35.0403	ug/l	97
78) m&p-Xylenes	6.652	106	81605	24.4184	ug/l	88
79) o-Xylene	6.871	106	20493	5.5900	ug/l	80
84) Isopropylbenzene	7.067	105	4771	0.5600	ug/l	93

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


Abundance
TIC: 11M91263.D\data.ms
Quant QT Reviewed
SampleID : AD23375-002(8uL)
Data File: 11M91263.D
Acq On : 05/17/21 18:58
Operator : SG
Sam Mult : 1 Vial# : 33
Misc : M,MEXT!2
Qt Meth : 11M_A0408.M
Qt On : 05/18/21 08:57
Qt Upd On: 04/09/21 09:52
Methylene Chloride,T
trans-1,2-Dichloroethene,T
cis-1,2-Dichloroethene,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Time-->


Abundance
TIC: 11M91263.D\data.ms
Fluorobenzene,I
Trichloroethene,M
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
Tetrachloroethene,T
Chlorobenzene,P
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Isopropylbenzene
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,P
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23375-003(8uL)
Client Id: HSI-SB-14(6.5')
Data File: 11M91264.D
Analysis Date: 05/17/21 19:19
Date Rec/Extracted: 05/13/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 7.76g:10ml
Final Vol: NA
Dilution: 6440
Solids: 82

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	2.8	7.9	U	56-23-5	Carbon Tetrachloride	2.5	7.9	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**3.5**	**7.9**	**200**	**108-90-7**	**Chlorobenzene**	**2.6**	**7.9**	**710**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	5.7	7.9	U	75-00-3	Chloroethane	4.6	7.9	U
79-00-5	1,1,2-Trichloroethane	2.5	7.9	U	67-66-3	Chloroform	15	15	U
75-34-3	1,1-Dichloroethane	3.4	7.9	U	74-87-3	Chloromethane	4.1	7.9	U
75-35-4	1,1-Dichloroethene	4.2	7.9	U	**156-59-2**	**cis-1,2-Dichloroethene**	**5.0**	**7.9**	**40**
87-61-6	1,2,3-Trichlorobenzene	6.2	7.9	U	10061-01-5	cis-1,3-Dichloropropene	2.5	7.9	U
120-82-1	1,2,4-Trichlorobenzene	5.7	7.9	U	110-82-7	Cyclohexane	3.8	7.9	U
96-12-8	1,2-Dibromo-3-Chloropropa	6.6	7.9	U	124-48-1	Dibromochloromethane	1.9	7.9	U
106-93-4	1,2-Dibromoethane	2.7	7.9	U	75-71-8	Dichlorodifluoromethane	4.9	7.9	U
95-50-1	1,2-Dichlorobenzene	2.5	7.9	U	**100-41-4**	**Ethylbenzene**	**3.7**	**7.9**	**31**
107-06-2	**1,2-Dichloroethane**	**5.0**	**5.0**	**62**	98-82-8	Isopropylbenzene	3.9	7.9	U
78-87-5	1,2-Dichloropropane	2.4	7.9	U	**179601-23-1**	**m&p-Xylenes**	**6.7**	**7.9**	**140**
541-73-1	1,3-Dichlorobenzene	3.0	7.9	U	79-20-9	Methyl Acetate	5.5	7.9	U
106-46-7	1,4-Dichlorobenzene	2.9	7.9	U	108-87-2	Methylcyclohexane	4.8	7.9	U
123-91-1	1,4-Dioxane	310	390	U	**75-09-2**	**Methylene Chloride**	**2.3**	**7.9**	**150**
78-93-3	2-Butanone	5.9	7.9	U	1634-04-4	Methyl-t-butyl ether	2.5	3.9	U
591-78-6	2-Hexanone	4.7	7.9	U	**95-47-6**	**o-Xylene**	**5.4**	**7.9**	**32**
108-10-1	**4-Methyl-2-Pentanone**	**3.8**	**7.9**	**140**	100-42-5	Styrene	4.3	7.9	U
67-64-1	Acetone	36	39	U	**127-18-4**	**Tetrachloroethene**	**2.8**	**7.9**	**44**
71-43-2	**Benzene**	**2.3**	**3.9**	**7.8**	**108-88-3**	**Toluene**	**2.6**	**7.9**	**1700**
74-97-5	Bromochloromethane	6.2	7.9	U	156-60-5	trans-1,2-Dichloroethene	2.4	7.9	U
75-27-4	Bromodichloromethane	2.7	7.9	U	10061-02-6	trans-1,3-Dichloropropene	2.4	7.9	U
75-25-2	Bromoform	4.2	7.9	U	**79-01-6**	**Trichloroethene**	**2.7**	**7.9**	**1200**
74-83-9	Bromomethane	3.9	7.9	U	75-69-4	Trichlorofluoromethane	2.4	7.9	U
75-15-0	Carbon Disulfide	3.3	7.9	U	75-01-4	Vinyl Chloride	5.6	7.9	U
1330-20-7	**Xylenes (Total)**	**5.4**	**7.9**	**170**					

Worksheet #: 593069

Total Target Concentration 4500

ColumnID: (^) Indicates results from 2nd column

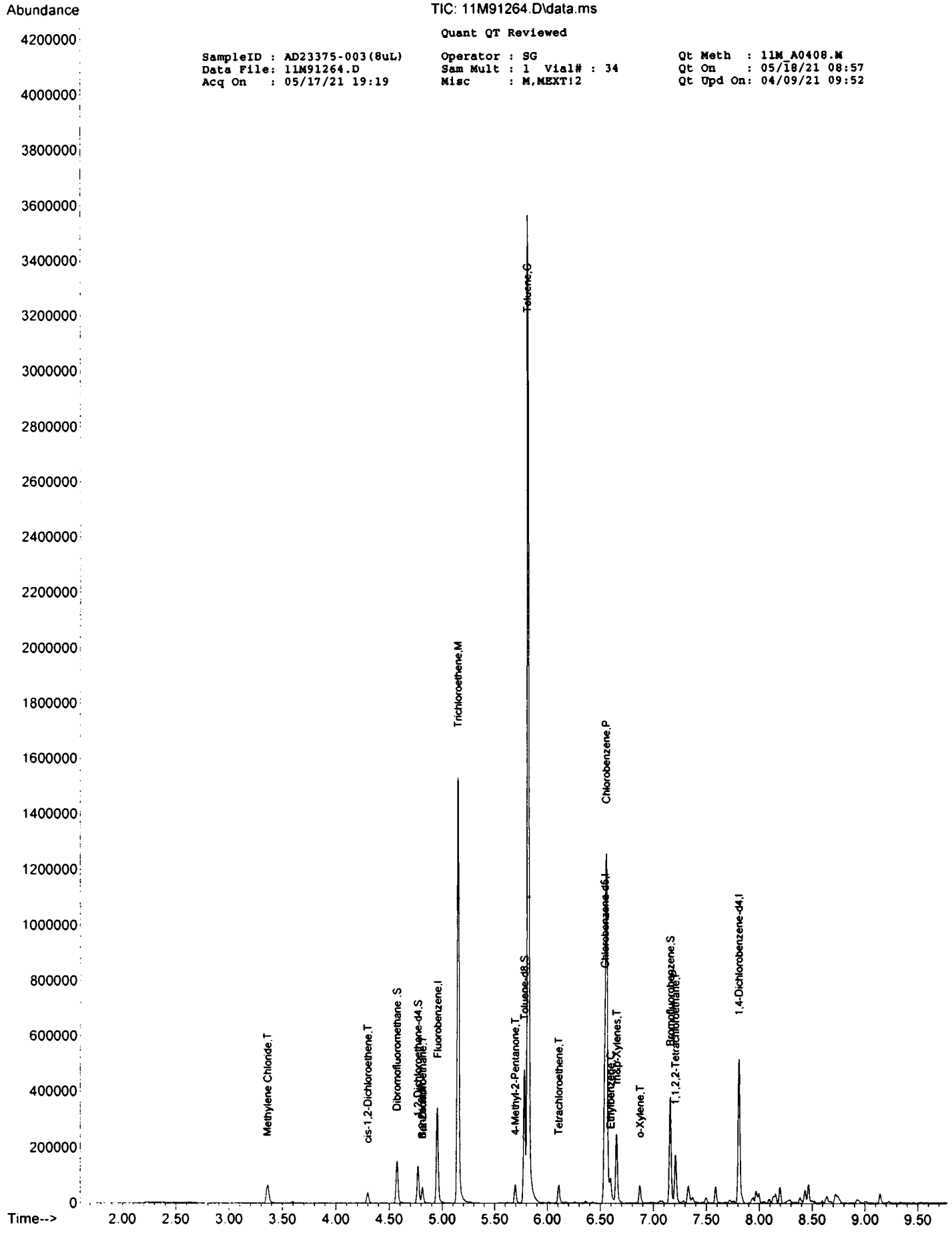
U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

SampleID : AD23375-003(8uL) Operator : SG Qt Meth : 11M_A0408.M
Data File: 11M91264.D Sam Mult : 1 Vial# : 34 Qt On : 05/18/21 08:57
Acq On : 05/17/21 19:19 Misc : M,MEXT!2 Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-17-21\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.955	96	215350	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.543	117	194288	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.807	152	104100	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.572	111	59663	28.69	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.63%			
39) 1,2-Dichloroethane-d4	4.768	67	30210	32.83	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.43%			
66) Toluene-d8	5.781	98	225397	28.97	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.57%			
76) Bromofluorobenzene	7.160	174	83623	30.77	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.57%			
Target Compounds						Qvalue
15) Methylene Chloride	3.360	84	31386	18.8960	ug/l	81
30) cis-1,2-Dichloroethene	4.299	61	13228	5.1088	ug/l	87
40) 1,2-Dichloroethane	4.813	62	19984	7.8996	ug/l	94
49) Trichloroethene	5.151	130	343463	155.1288	ug/l	98
50) Benzene	4.810	78	6931	0.9893	ug/l	100
63) 4-Methyl-2-Pentanone	5.694	43	27813	17.2005	ug/l	98
65) Tetrachloroethene	6.109	164	10593	5.6504	ug/l	92
67) Toluene	5.816	92	1045690	221.1230	ug/l	100
69) Chlorobenzene	6.556	112	493178	90.2386	ug/l	100
74) Ethylbenzene	6.598	106	9910	3.9647	ug/l	85
75) 1,1,2,2-Tetrachloroethane	7.209	83	61040	24.8251	ug/l	93
78) m&p-Xylenes	6.652	106	58889m	18.2997	ug/l	
79) o-Xylene	6.874	106	14323	4.0574	ug/l	75

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


Abundance
TIC: 11M91264.D\data.ms
Quant QT Reviewed
SampleID : AD23375-003(8uL)
Data File: 11M91264.D
Acq On : 05/17/21 19:19
Operator : SG
Sam Mult : 1 Vial# : 34
Misc : M,MEXT!2
Qt Meth : 11M_A0408.M
Qt On : 05/18/21 08:57
Qt Upd On: 04/09/21 09:52
Methylene Chloride,T
cis-1,2-Dichloroethene,T
Dibromofluoromethane,S
Fluorobenzene,I
Trichloroethene,M
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
Tetrachloroethene,T
Chlorobenzene,P
Ethylbenzene,T
m&p-Xylenes,T
o-Xylene,T
1,1,2,2-Tetrachloroethane,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23375-004(8uL)
Client Id: HSI-SB-14(8')
Data File: 11M91265.D
Analysis Date: 05/17/21 19:41
Date Rec/Extracted: 05/13/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 7.37g:10ml
Final Vol: NA
Dilution: 6780
Solids: 83

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	2.9	8.2	U	56-23-5	Carbon Tetrachloride	2.6	8.2	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**3.7**	**8.2**	**80**	**108-90-7**	**Chlorobenzene**	**2.7**	**8.2**	**320**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	5.9	8.2	U	75-00-3	Chloroethane	4.7	8.2	U
79-00-5	1,1,2-Trichloroethane	2.6	8.2	U	67-66-3	Chloroform	16	16	U
75-34-3	1,1-Dichloroethane	3.5	8.2	U	74-87-3	Chloromethane	4.2	8.2	U
75-35-4	1,1-Dichloroethene	4.4	8.2	U	**156-59-2**	**cis-1,2-Dichloroethene**	**5.2**	**8.2**	**6.7J**
87-61-6	1,2,3-Trichlorobenzene	6.4	8.2	U	10061-01-5	cis-1,3-Dichloropropene	2.6	8.2	U
120-82-1	1,2,4-Trichlorobenzene	5.9	8.2	U	110-82-7	Cyclohexane	4.0	8.2	U
96-12-8	1,2-Dibromo-3-Chloropropa	6.8	8.2	U	124-48-1	Dibromochloromethane	2.0	8.2	U
106-93-4	1,2-Dibromoethane	2.8	8.2	U	75-71-8	Dichlorodifluoromethane	5.1	8.2	U
95-50-1	1,2-Dichlorobenzene	2.6	8.2	U	**100-41-4**	**Ethylbenzene**	**3.8**	**8.2**	**13**
107-06-2	**1,2-Dichloroethane**	**5.2**	**5.2**	**17**	98-82-8	Isopropylbenzene	4.0	8.2	U
78-87-5	1,2-Dichloropropane	2.4	8.2	U	**179601-23-1**	**m&p-Xylenes**	**6.9**	**8.2**	**52**
541-73-1	1,3-Dichlorobenzene	3.1	8.2	U	79-20-9	Methyl Acetate	5.7	8.2	U
106-46-7	1,4-Dichlorobenzene	3.0	8.2	U	108-87-2	Methylcyclohexane	5.0	8.2	U
123-91-1	1,4-Dioxane	320	410	U	**75-09-2**	**Methylene Chloride**	**2.4**	**8.2**	**23**
78-93-3	2-Butanone	6.1	8.2	U	1634-04-4	Methyl-t-butyl ether	2.6	4.1	U
591-78-6	2-Hexanone	4.9	8.2	U	**95-47-6**	**o-Xylene**	**5.6**	**8.2**	**12**
108-10-1	**4-Methyl-2-Pentanone**	**4.0**	**8.2**	**49**	100-42-5	Styrene	4.4	8.2	U
67-64-1	Acetone	37	41	U	**127-18-4**	**Tetrachloroethene**	**2.9**	**8.2**	**17**
71-43-2	Benzene	2.4	4.1	U	**108-88-3**	**Toluene**	**2.7**	**8.2**	**510**
74-97-5	Bromochloromethane	6.4	8.2	U	156-60-5	trans-1,2-Dichloroethene	2.5	8.2	U
75-27-4	Bromodichloromethane	2.8	8.2	U	10061-02-6	trans-1,3-Dichloropropene	2.5	8.2	U
75-25-2	Bromoform	4.4	8.2	U	**79-01-6**	**Trichloroethene**	**2.8**	**8.2**	**320**
74-83-9	Bromomethane	4.1	8.2	U	75-69-4	Trichlorofluoromethane	2.5	8.2	U
75-15-0	Carbon Disulfide	3.5	8.2	U	75-01-4	Vinyl Chloride	5.8	8.2	U
1330-20-7	**Xylenes (Total)**	**5.6**	**8.2**	**64**					

Worksheet #: 593069

Total Target Concentration 1400

ColumnID: (^) Indicates results from 2nd column

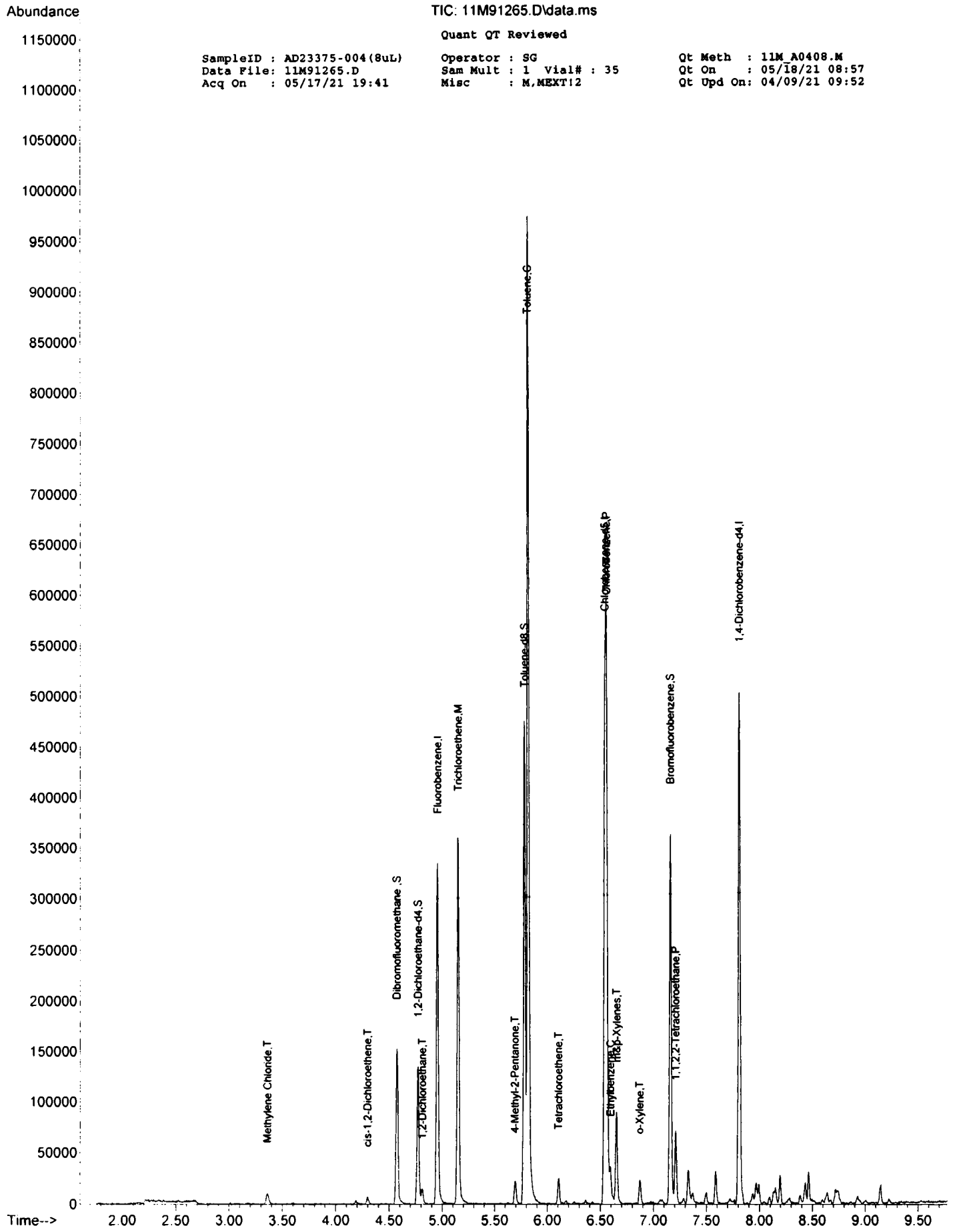
U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

SampleID : AD23375-004(8uL) Operator : SG Qt Meth : 11M_A0408.M
Data File: 11M91265.D Sam Mult : 1 Vial# : 35 Qt On : 05/18/21 08:57
Acq On : 05/17/21 19:41 Misc : M,MEXT!2 Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-17-21\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.955	96	208471	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.543	117	195092	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.810	152	103594	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.572	111	58721	29.17	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.23%			
39) 1,2-Dichloroethane-d4	4.771	67	29880	33.54	ug/l	0.00
Spiked Amount 30.000			Recovery = 111.80%			
66) Toluene-d8	5.784	98	227424	29.11	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.03%			
76) Bromofluorobenzene	7.160	174	82691	30.58	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.93%			
Target Compounds						Qvalue
15) Methylene Chloride	3.360	84	4616	2.8708	ug/l	79
30) cis-1,2-Dichloroethene	4.295	61	2069	0.8254	ug/l	82
40) 1,2-Dichloroethane	4.810	62	5021	2.0503	ug/l	83
49) Trichloroethene	5.151	130	83706	39.0543	ug/l	97
63) 4-Methyl-2-Pentanone	5.691	43	9684	5.9642	ug/l	97
65) Tetrachloroethene	6.106	164	3872	2.0568	ug/l	61
67) Toluene	5.816	92	298386	62.8371	ug/l	98
69) Chlorobenzene	6.559	112	215220	39.2173	ug/l	95
74) Ethylbenzene	6.594	106	3841	1.5442	ug/l	83
75) 1,1,2,2-Tetrachloroethane	7.208	83	23879	9.7591	ug/l	84
78) m&p-Xylenes	6.652	106	20400	6.3703	ug/l	95
79) o-Xylene	6.868	106	5320	1.5144	ug/l	58

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


Abundance
TIC: 11M91265.D\data.ms
Quant QT Reviewed
SampleID : AD23375-004(8uL)
Data File: 11M91265.D
Acq On : 05/17/21 19:41
Operator : SG
Sam Mult : 1 Vial# : 35
Misc : M,MEXT12
Qt Meth : 11M_A0408.M
Qt On : 05/18/21 08:57
Qt Upd On: 04/09/21 09:52
Methylene Chloride,T
cis-1,2-Dichloroethene,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
1,2-Dichloroethane,T
Fluorobenzene,I
Trichloroethene,M
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
Tetrachloroethene,T
Chlorobenzene-d5,P
m&p-Xylenes,T
o-Xylene,T
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,P
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23375-005(8uL)
Client Id: HSI-SB-14(10')
Data File: 11M91266.D
Analysis Date: 05/17/21 20:02
Date Rec/Extracted: 05/13/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 7.38g:10ml
Final Vol: NA
Dilution: 6780
Solids: 83

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	2.9	8.2	U	56-23-5	Carbon Tetrachloride	2.6	8.2	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**3.7**	**8.2**	**160**	**108-90-7**	**Chlorobenzene**	**2.7**	**8.2**	**980**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	5.9	8.2	U	75-00-3	Chloroethane	4.7	8.2	U
79-00-5	1,1,2-Trichloroethane	2.6	8.2	U	67-66-3	Chloroform	16	16	U
75-34-3	1,1-Dichloroethane	3.5	8.2	U	74-87-3	Chloromethane	4.2	8.2	U
75-35-4	1,1-Dichloroethene	4.3	8.2	U	**156-59-2**	**cis-1,2-Dichloroethene**	**5.2**	**8.2**	**44**
87-61-6	1,2,3-Trichlorobenzene	6.4	8.2	U	10061-01-5	cis-1,3-Dichloropropene	2.6	8.2	U
120-82-1	1,2,4-Trichlorobenzene	5.9	8.2	U	110-82-7	Cyclohexane	4.0	8.2	U
96-12-8	1,2-Dibromo-3-Chloropropa	6.8	8.2	U	124-48-1	Dibromochloromethane	2.0	8.2	U
106-93-4	1,2-Dibromoethane	2.8	8.2	U	75-71-8	Dichlorodifluoromethane	5.1	8.2	U
95-50-1	1,2-Dichlorobenzene	2.6	8.2	U	**100-41-4**	**Ethylbenzene**	**3.8**	**8.2**	**30**
107-06-2	**1,2-Dichloroethane**	**5.2**	**5.2**	**59**	98-82-8	Isopropylbenzene	4.0	8.2	U
78-87-5	1,2-Dichloropropane	2.4	8.2	U	**179601-23-1**	**m&p-Xylenes**	**6.9**	**8.2**	**150**
541-73-1	1,3-Dichlorobenzene	3.1	8.2	U	79-20-9	Methyl Acetate	5.7	8.2	U
106-46-7	1,4-Dichlorobenzene	3.0	8.2	U	108-87-2	Methylcyclohexane	5.0	8.2	U
123-91-1	1,4-Dioxane	320	410	U	**75-09-2**	**Methylene Chloride**	**2.4**	**8.2**	**110**
78-93-3	2-Butanone	6.1	8.2	U	1634-04-4	Methyl-t-butyl ether	2.5	4.1	U
591-78-6	2-Hexanone	4.9	8.2	U	**95-47-6**	**o-Xylene**	**5.6**	**8.2**	**33**
108-10-1	**4-Methyl-2-Pentanone**	**4.0**	**8.2**	**91**	100-42-5	Styrene	4.4	8.2	U
67-64-1	Acetone	37	41	U	**127-18-4**	**Tetrachloroethene**	**2.9**	**8.2**	**52**
71-43-2	**Benzene**	**2.4**	**4.1**	**8.5**	**108-88-3**	**Toluene**	**2.7**	**8.2**	**1900**
74-97-5	Bromochloromethane	6.4	8.2	U	**156-60-5**	**trans-1,2-Dichloroethene**	**2.5**	**8.2**	**8.0J**
75-27-4	Bromodichloromethane	2.8	8.2	U	10061-02-6	trans-1,3-Dichloropropene	2.5	8.2	U
75-25-2	Bromoform	4.4	8.2	U	**79-01-6**	**Trichloroethene**	**2.8**	**8.2**	**1400**
74-83-9	Bromomethane	4.1	8.2	U	75-69-4	Trichlorofluoromethane	2.5	8.2	U
75-15-0	Carbon Disulfide	3.5	8.2	U	75-01-4	Vinyl Chloride	5.8	8.2	U
1330-20-7	**Xylenes (Total)**	**5.6**	**8.2**	**180**					

Worksheet #: 593069

Total Target Concentration 5000

ColumnID: (^) Indicates results from 2nd column

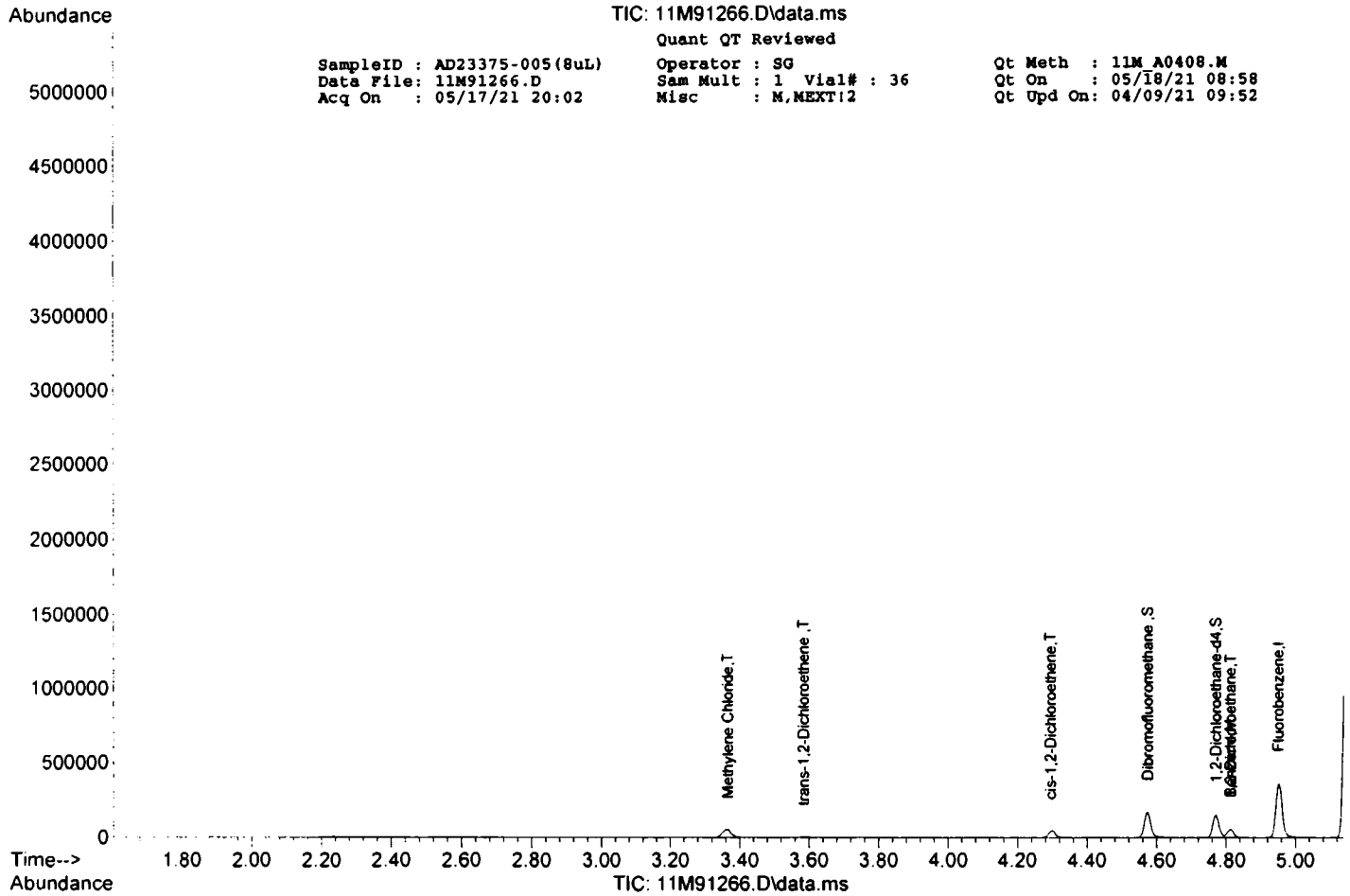
U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

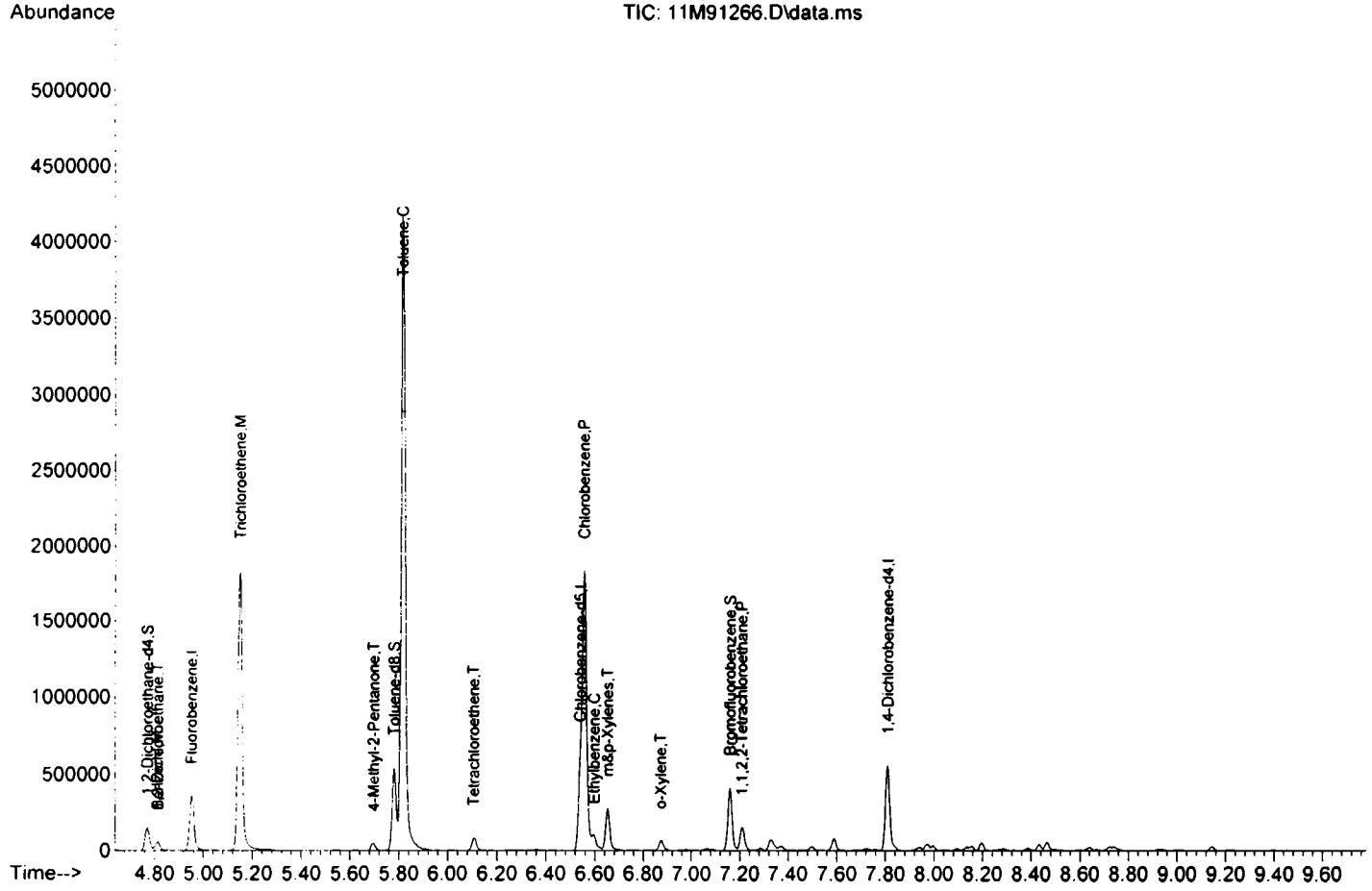
SampleID : AD23375-005(8uL) Operator : SG Qt Meth : 11M_A0408.M
Data File: 11M91266.D Sam Mult : 1 Vial# : 36 Qt On : 05/18/21 08:58
Acq On : 05/17/21 20:02 Misc : M,MEXT!2 Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-17-21\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.951	96	232704	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	217343	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.810	152	112572	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.575	111	64966	28.91	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.37%			
39) 1,2-Dichloroethane-d4	4.771	67	32042	32.22	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.40%			
66) Toluene-d8	5.781	98	248740	28.58	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.27%			
76) Bromofluorobenzene	7.160	174	91293	31.07	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.57%			
Target Compounds						Qvalue
15) Methylene Chloride	3.366	84	24870	13.8564	ug/l	75
28) trans-1,2-Dichloroethene	3.585	96	1916	0.9823	ug/l	42
30) cis-1,2-Dichloroethene	4.295	61	15015	5.3665	ug/l	84
40) 1,2-Dichloroethane	4.813	62	19685	7.2011	ug/l	95
49) Trichloroethene	5.151	130	416140	173.9374	ug/l	99
50) Benzene	4.813	78	7926	1.0469	ug/l	100
63) 4-Methyl-2-Pentanone	5.697	43	20118	11.1219	ug/l	85
65) Tetrachloroethene	6.106	164	13334	6.3580	ug/l	92
67) Toluene	5.816	92	1221095	230.8238	ug/l	97
69) Chlorobenzene	6.556	112	731511	119.6491	ug/l	99
74) Ethylbenzene	6.598	106	9867	3.6504	ug/l	95
75) 1,1,2,2-Tetrachloroethane	7.208	83	51321	19.3016	ug/l	94
78) m&p-Xylenes	6.652	106	62412m	17.9349	ug/l	
79) o-Xylene	6.871	106	15289	4.0051	ug/l	79

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


Abundance
TIC: 11M91266.D\data.ms
Quant QT Reviewed
SampleID : AD23375-005(8uL)
Data File: 11M91266.D
Acq On : 05/17/21 20:02
Operator : SG
Sam Mult : 1 Vial# : 36
Misc : M,MEXT|2
Qt Meth : 11M_A0408.M
Qt On : 05/18/21 08:58
Qt Upd On: 04/09/21 09:52
Methylene Chloride,T
trans-1,2-Dichloroethene,T
cis-1,2-Dichloroethene,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Time-->


Abundance
TIC: 11M91266.D\data.ms
Fluorobenzene,I
Trichloroethene,M
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
Tetrachloroethene,T
Chlorobenzene,P
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,P
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23375-006(8uL)
Client Id: HSI-SB-14(12.5')
Data File: 11M91593.D
Analysis Date: 05/24/21 18:43
Date Rec/Extracted: 05/13/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 7.59g:10ml
Final Vol: NA
Dilution: 6590
Solids: 81

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	2.9	8.1	U	56-23-5	Carbon Tetrachloride	2.6	8.1	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**3.6**	**8.1**	**50**	**108-90-7**	**Chlorobenzene**	**2.7**	**8.1**	**350**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	5.9	8.1	U	75-00-3	Chloroethane	4.7	8.1	U
79-00-5	1,1,2-Trichloroethane	2.6	8.1	U	67-66-3	Chloroform	16	16	U
75-34-3	1,1-Dichloroethane	3.5	8.1	U	74-87-3	Chloromethane	4.2	8.1	U
75-35-4	1,1-Dichloroethene	4.3	8.1	U	**156-59-2**	**cis-1,2-Dichloroethene**	**5.2**	**8.1**	**27**
87-61-6	1,2,3-Trichlorobenzene	6.4	8.1	U	10061-01-5	cis-1,3-Dichloropropene	2.6	8.1	U
120-82-1	1,2,4-Trichlorobenzene	5.9	8.1	U	110-82-7	Cyclohexane	4.0	8.1	U
96-12-8	1,2-Dibromo-3-Chloropropa	6.8	8.1	U	124-48-1	Dibromochloromethane	1.9	8.1	U
106-93-4	1,2-Dibromoethane	2.8	8.1	U	75-71-8	Dichlorodifluoromethane	5.0	8.1	U
95-50-1	1,2-Dichlorobenzene	2.6	8.1	U	**100-41-4**	**Ethylbenzene**	**3.8**	**8.1**	**11**
107-06-2	**1,2-Dichloroethane**	**5.2**	**5.2**	**18**	98-82-8	Isopropylbenzene	4.0	8.1	U
78-87-5	1,2-Dichloropropane	2.4	8.1	U	**179601-23-1**	**m&p-Xylenes**	**6.9**	**8.1**	**52**
541-73-1	1,3-Dichlorobenzene	3.1	8.1	U	79-20-9	Methyl Acetate	5.7	8.1	U
106-46-7	1,4-Dichlorobenzene	3.0	8.1	U	108-87-2	Methylcyclohexane	5.0	8.1	U
123-91-1	1,4-Dioxane	320	410	U	**75-09-2**	**Methylene Chloride**	**2.4**	**8.1**	**47**
78-93-3	2-Butanone	6.1	8.1	U	1634-04-4	Methyl-t-butyl ether	2.5	4.1	U
591-78-6	2-Hexanone	4.9	8.1	U	**95-47-6**	**o-Xylene**	**5.6**	**8.1**	**12**
108-10-1	**4-Methyl-2-Pentanone**	**4.0**	**8.1**	**30**	100-42-5	Styrene	4.4	8.1	U
67-64-1	Acetone	37	41	U	**127-18-4**	**Tetrachloroethene**	**2.9**	**8.1**	**20**
71-43-2	**Benzene**	**2.4**	**4.1**	**2.8J**	**108-88-3**	**Toluene**	**2.6**	**8.1**	**610**
74-97-5	Bromochloromethane	6.4	8.1	U	156-60-5	trans-1,2-Dichloroethene	2.5	8.1	U
75-27-4	Bromodichloromethane	2.8	8.1	U	10061-02-6	trans-1,3-Dichloropropene	2.5	8.1	U
75-25-2	Bromoform	4.4	8.1	U	**79-01-6**	**Trichloroethene**	**2.8**	**8.1**	**410**
74-83-9	Bromomethane	4.1	8.1	U	75-69-4	Trichlorofluoromethane	2.5	8.1	U
75-15-0	Carbon Disulfide	3.4	8.1	U	75-01-4	Vinyl Chloride	5.7	8.1	U
1330-20-7	**Xylenes (Total)**	**5.6**	**8.1**	**64**					

Worksheet #: 593069

Total Target Concentration 1600

ColumnID: (^) Indicates results from 2nd column

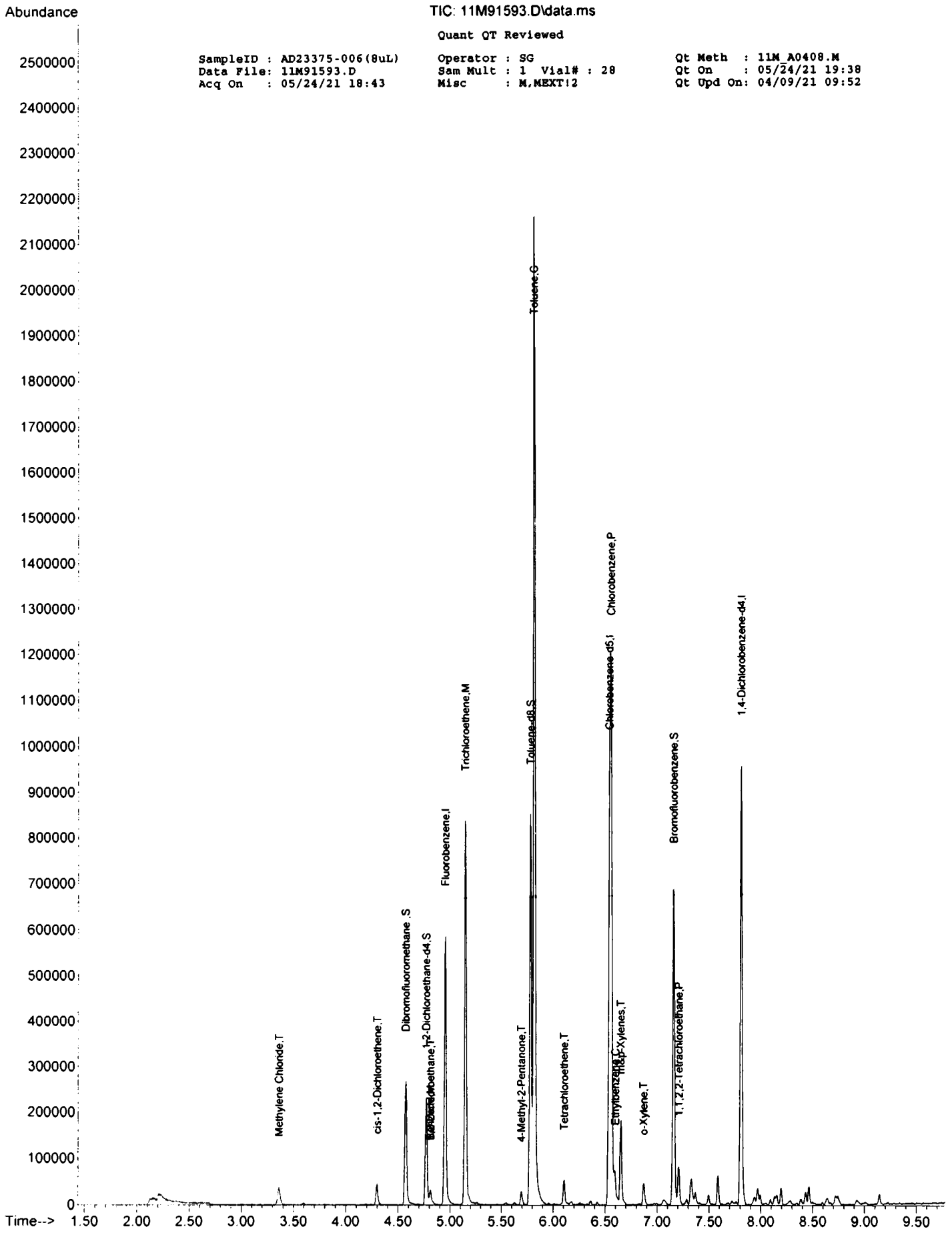
U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

SampleID : AD23375-006(8uL) Operator : SG Qt Meth : 11M_A0408.M
Data File: 11M91593.D Sam Mult : 1 Vial# : 28 Qt On : 05/24/21 19:38
Acq On : 05/24/21 18:43 Misc : M,MEXT!2 Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-24-21\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.951	96	369360	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	362810	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.810	152	196049	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.572	111	105027	29.45	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.17%			
39) 1,2-Dichloroethane-d4	4.768	67	52606	33.33	ug/l	0.00
Spiked Amount 30.000			Recovery = 111.10%			
66) Toluene-d8	5.781	98	406170	27.96	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.20%			
76) Bromofluorobenzene	7.160	174	156334	30.55	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.83%			
Target Compounds						Qvalue
15) Methylene Chloride	3.360	84	16571	5.8167	ug/l	90
30) cis-1,2-Dichloroethene	4.299	61	14955	3.3675	ug/l	85
40) 1,2-Dichloroethane	4.810	62	9378	2.1614	ug/l	94
49) Trichloroethene	5.148	130	190657	50.2065	ug/l	96
50) Benzene	4.810	78	4097	0.3409	ug/l	100
63) 4-Methyl-2-Pentanone	5.691	43	11176	3.7012	ug/l	98
65) Tetrachloroethene	6.106	164	8643	2.4688	ug/l	95
67) Toluene	5.816	92	659806	74.7160	ug/l	98
69) Chlorobenzene	6.556	112	441986	43.3076	ug/l	99
74) Ethylbenzene	6.598	106	6613	1.4048	ug/l	97
75) 1,1,2,2-Tetrachloroethane	7.209	83	28372	6.1271	ug/l	97
78) m&p-Xylenes	6.649	106	38905	6.4195	ug/l	96
79) o-Xylene	6.868	106	9593	1.4430	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : AD23375-006(8uL)
Data File: 11M91593.D
Acq On : 05/24/21 18:43
Operator : SG
Sam Mult : 1 Vial# : 28
Misc : M,MEXT!2
Qt Meth : 11M_A0408.M
Qt On : 05/24/21 19:38
Qt Upd On: 04/09/21 09:52
Methylene Chloride,T
cis-1,2-Dichloroethene,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
Tetrachloroethene,T
Chlorobenzene-d5,I
Chlorobenzene,P
Ethylbenzene,T
m,p-Xylenes,T
o-Xylene,T
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,P
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23375-007
Client Id: HSI-SB-14(14.5')
Data File: 6M140341.D
Analysis Date: 05/24/21 19:22
Date Rec/Extracted: 05/13/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 7.23g
Final Vol: NA
Dilution: 0.692
Solids: 80

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.00080	0.0017	U	56-23-5	Carbon Tetrachloride	0.00084	0.0017	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**0.00039**	**0.0017**	**0.0053**	**108-90-7**	**Chlorobenzene**	**0.00054**	**0.0017**	**0.097**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0012	0.0017	U	75-00-3	Chloroethane	0.0017	0.0017	U
79-00-5	1,1,2-Trichloroethane	0.00040	0.0017	U	67-66-3	Chloroform	0.0012	0.0017	U
75-34-3	1,1-Dichloroethane	0.00075	0.0017	U	74-87-3	Chloromethane	0.0011	0.0017	U
75-35-4	1,1-Dichloroethene	0.00099	0.0017	U	**156-59-2**	**cis-1,2-Dichloroethene**	**0.00070**	**0.0017**	**0.0066**
87-61-6	1,2,3-Trichlorobenzene	0.00048	0.0017	U	10061-01-5	cis-1,3-Dichloropropene	0.00046	0.0017	U
120-82-1	1,2,4-Trichlorobenzene	0.00054	0.0017	U	110-82-7	Cyclohexane	0.0010	0.0017	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.00048	0.0017	U	124-48-1	Dibromochloromethane	0.00037	0.0017	U
106-93-4	1,2-Dibromoethane	0.00042	0.00043	U	75-71-8	Dichlorodifluoromethane	0.0012	0.0017	U
95-50-1	1,2-Dichlorobenzene	0.00044	0.0017	U	**100-41-4**	**Ethylbenzene**	**0.00060**	**0.00086**	**0.0024**
107-06-2	**1,2-Dichloroethane**	**0.00035**	**0.0017**	**0.0065**	98-82-8	Isopropylbenzene	0.00072	0.00086	U
78-87-5	1,2-Dichloropropane	0.00071	0.0017	U	**179601-23-1**	**m&p-Xylenes**	**0.0010**	**0.0010**	**0.0035**
541-73-1	1,3-Dichlorobenzene	0.00048	0.0017	U	79-20-9	Methyl Acetate	0.00083	0.0017	U
106-46-7	1,4-Dichlorobenzene	0.00046	0.0017	U	108-87-2	Methylcyclohexane	0.00078	0.0017	U
123-91-1	1,4-Dioxane	0.042	0.086	U	**75-09-2**	**Methylene Chloride**	**0.00065**	**0.0017**	**0.024**
78-93-3	2-Butanone	0.0010	0.0017	U	1634-04-4	Methyl-t-butyl ether	0.00047	0.00086	U
591-78-6	2-Hexanone	0.00073	0.0017	U	**95-47-6**	**o-Xylene**	**0.00061**	**0.00086**	**0.0013**
108-10-1	**4-Methyl-2-Pentanone**	**0.00050**	**0.0017**	**0.0067**	100-42-5	Styrene	0.00048	0.0017	U
67-64-1	Acetone	0.0059	0.0086	U	**127-18-4**	**Tetrachloroethene**	**0.00085**	**0.0017**	**0.0015J**
71-43-2	**Benzene**	**0.00063**	**0.00086**	**0.0032**	**108-88-3**	**Toluene**	**0.00057**	**0.00086**	**0.065**
74-97-5	Bromochloromethane	0.00061	0.0017	U	156-60-5	trans-1,2-Dichloroethene	0.0010	0.0017	U
75-27-4	Bromodichloromethane	0.00041	0.0017	U	10061-02-6	trans-1,3-Dichloropropene	0.00041	0.0017	U
75-25-2	Bromoform	0.00029	0.0017	U	**79-01-6**	**Trichloroethene**	**0.00071**	**0.0017**	**0.051**
74-83-9	Bromomethane	0.0014	0.0017	U	75-69-4	Trichlorofluoromethane	0.0010	0.0017	U
75-15-0	Carbon Disulfide	0.0029	0.0029	U	**75-01-4**	**Vinyl Chloride**	**0.0011**	**0.0017**	**0.0015J**
1330-20-7	**Xylenes (Total)**	**0.00061**	**0.00086**	**0.0048**					

Worksheet # 593069

Total Target Concentration 0.28

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

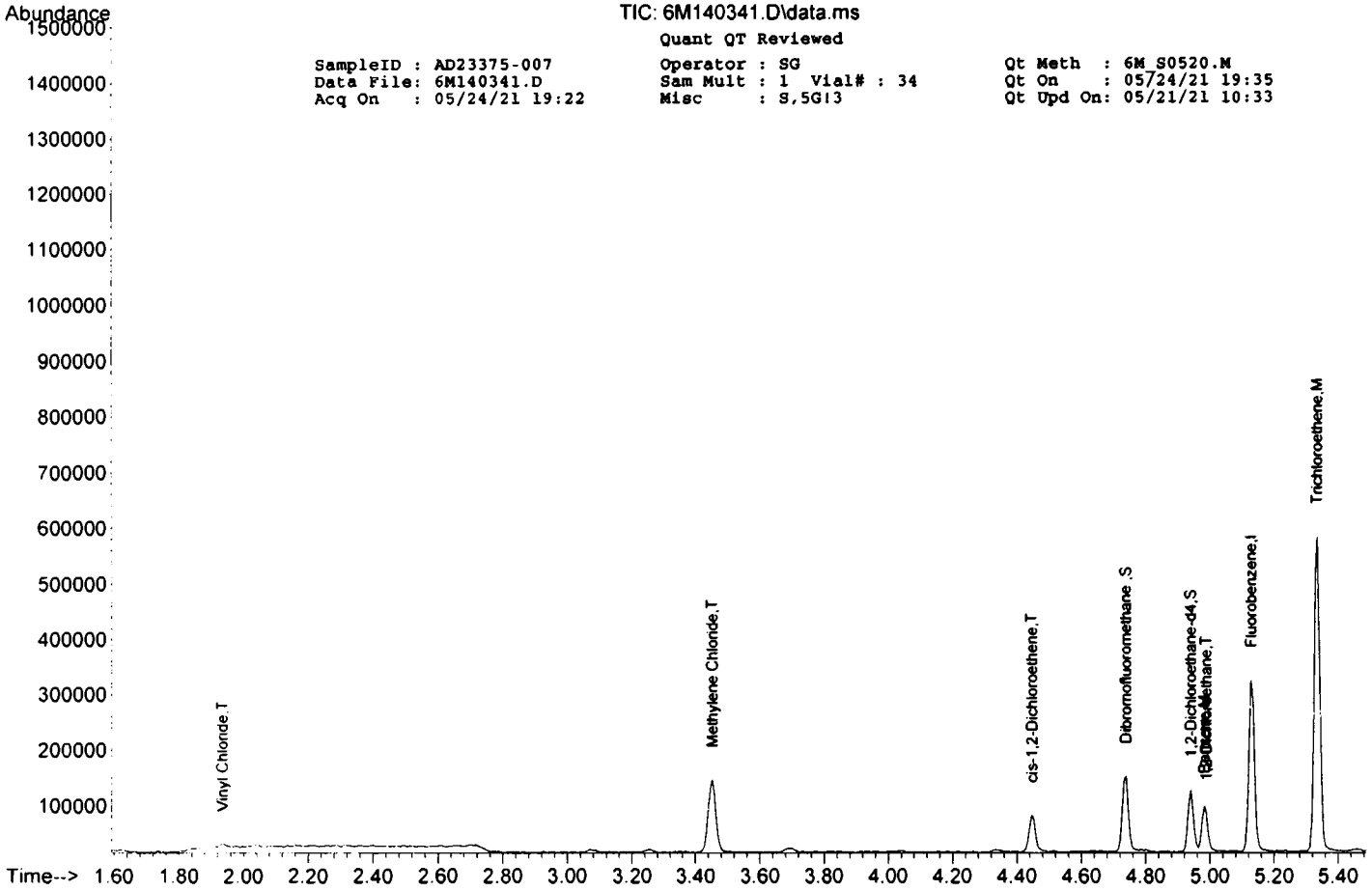
Quantitation Report (QT Reviewed)

SampleID : AD23375-007 Operator : SG Qt Meth : 6M_S0520.M
Data File: 6M140341.D Sam Mult : 1 Vial# : 34 Qt On : 05/24/21 19:35
Acq On : 05/24/21 19:22 Misc : S,5G!3 Qt Upd On: 05/21/21 10:33

Data Path : G:\GcMsData\2021\GCMS_6\Data\05-24-21\
Qt Path : G:\GcMsData\2021\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.129	96	193489	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.763	117	177877	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.049	152	97563	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.739	111	54906	27.91	ug/l	0.01
Spiked Amount 30.000			Recovery = 93.03%			
39) 1,2-Dichloroethane-d4	4.940	67	24501	31.86	ug/l	0.01
Spiked Amount 30.000			Recovery = 106.20%			
66) Toluene-d8	5.989	98	202512	36.12	ug/l	0.00
Spiked Amount 30.000			Recovery = 120.40%			
76) Bromofluorobenzene	7.397	174	75323	32.34	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.80%			
Target Compounds						Qvalue
9) Vinyl Chloride	1.935	62	3286	1.7611	ug/l	96
15) Methylene Chloride	3.453	84	53538	28.1631	ug/l	79
30) cis-1,2-Dichloroethene	4.446	61	21859	7.5981	ug/l	89
40) 1,2-Dichloroethane	4.989	62	17276	7.5494	ug/l	99
49) Trichloroethene	5.337	130	135485	58.5683	ug/l	91
50) Benzene	4.983	78	27601	3.7507	ug/l	100
63) 4-Methyl-2-Pentanone	5.897	43	9970	7.7939	ug/l	76
65) Tetrachloroethene	6.318	164	2137	1.7582	ug/l	74
67) Toluene	6.025	92	281221	75.4180	ug/l	95
69) Chlorobenzene	6.781	112	472992	112.2835	ug/l	97
74) Ethylbenzene	6.818	106	4099	2.8077	ug/l	65
75) 1,1,2,2-Tetrachloroethane	7.446	83	8682	6.1788	ug/l	95
78) m&p-Xylenes	6.879	106	8486	4.0892	ug/l	83
79) o-Xylene	7.105	106	3288	1.5368	ug/l	45

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


Abundance
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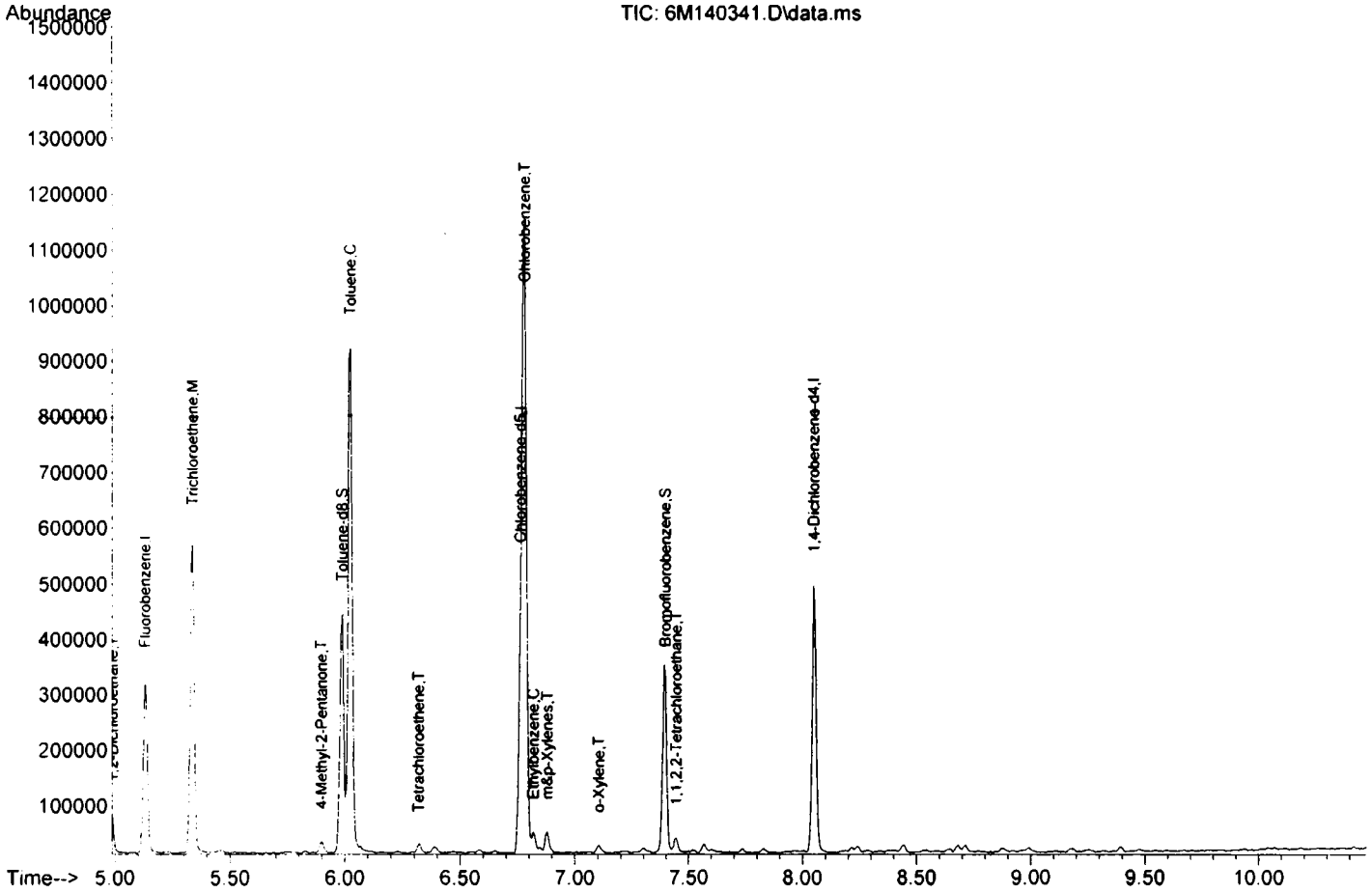
Quant QT Reviewed
SampleID : AD23375-007
Data File: 6M140341.D
Acq On : 05/24/21 19:22
Operator : SG
Sam Mult : 1 Vial# : 34
Misc : S,5G!3
Qt Meth : 6M_S0520.M
Qt On : 05/24/21 19:35
Qt Upd On: 05/21/21 10:33
Vinyl Chloride,T
Methylene Chloride,T
cis-1,2-Dichloroethene,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Time-->


Abundance
TIC: 6M140341.D\data.ms
Fluorobenzene,I
Trichloroethene,M
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
Tetrachloroethene,T
Chlorobenzene,T
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,T
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23375-008
Client Id: HSI-SB-14(16.5')
Data File: 11M91352.D
Analysis Date: 05/19/21 03:14
Date Rec/Extracted: 05/13/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 7.5g:10ml
Final Vol: NA
Dilution: 66.7
Solids: 81

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.029	0.082	U	56-23-5	Carbon Tetrachloride	0.027	0.082	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**0.037**	**0.082**	**3.4**	**108-90-7**	**Chlorobenzene**	**0.027**	**0.082**	**21**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.060	0.082	U	75-00-3	Chloroethane	0.048	0.082	U
79-00-5	1,1,2-Trichloroethane	0.026	0.082	U	67-66-3	Chloroform	0.16	0.16	U
75-34-3	1,1-Dichloroethane	0.035	0.082	U	74-87-3	Chloromethane	0.042	0.082	U
75-35-4	1,1-Dichloroethene	0.044	0.082	U	**156-59-2**	**cis-1,2-Dichloroethene**	**0.052**	**0.082**	**3.2**
87-61-6	1,2,3-Trichlorobenzene	0.065	0.082	U	10061-01-5	cis-1,3-Dichloropropene	0.026	0.082	U
120-82-1	1,2,4-Trichlorobenzene	0.060	0.082	U	110-82-7	Cyclohexane	0.040	0.082	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.069	0.082	U	124-48-1	Dibromochloromethane	0.020	0.082	U
106-93-4	1,2-Dibromoethane	0.028	0.082	U	75-71-8	Dichlorodifluoromethane	0.051	0.082	U
95-50-1	1,2-Dichlorobenzene	0.027	0.082	U	**100-41-4**	**Ethylbenzene**	**0.038**	**0.082**	**0.59**
107-06-2	**1,2-Dichloroethane**	**0.053**	**0.053**	**2.9**	**98-82-8**	**Isopropylbenzene**	**0.041**	**0.082**	**0.064J**
78-87-5	1,2-Dichloropropane	0.025	0.082	U	**179601-23-1**	**m&p-Xylenes**	**0.070**	**0.082**	**2.8**
541-73-1	1,3-Dichlorobenzene	0.031	0.082	U	79-20-9	Methyl Acetate	0.058	0.082	U
106-46-7	1,4-Dichlorobenzene	0.030	0.082	U	**108-87-2**	**Methylcyclohexane**	**0.051**	**0.082**	**0.065J**
123-91-1	1,4-Dioxane	3.2	4.1	U	**75-09-2**	**Methylene Chloride**	**0.024**	**0.082**	**9.5**
78-93-3	2-Butanone	0.062	0.082	U	1634-04-4	Methyl-t-butyl ether	0.026	0.041	U
591-78-6	2-Hexanone	0.049	0.082	U	**95-47-6**	**o-Xylene**	**0.056**	**0.082**	**0.64**
108-10-1	**4-Methyl-2-Pentanone**	**0.040**	**0.082**	**6.3**	100-42-5	Styrene	0.045	0.082	U
67-64-1	Acetone	0.38	0.41	U	**127-18-4**	**Tetrachloroethene**	**0.029**	**0.082**	**0.95**
71-43-2	**Benzene**	**0.024**	**0.041**	**0.23**	**108-88-3**	**Toluene**	**0.027**	**0.082**	**41**
74-97-5	Bromochloromethane	0.065	0.082	U	**156-60-5**	**trans-1,2-Dichloroethene**	**0.025**	**0.082**	**0.29**
75-27-4	Bromodichloromethane	0.028	0.082	U	10061-02-6	trans-1,3-Dichloropropene	0.025	0.082	U
75-25-2	Bromoform	0.045	0.082	U	**79-01-6**	**Trichloroethene**	**0.028**	**0.082**	**26**
74-83-9	Bromomethane	0.041	0.082	U	75-69-4	Trichlorofluoromethane	0.025	0.082	U
75-15-0	Carbon Disulfide	0.035	0.082	U	**75-01-4**	**Vinyl Chloride**	**0.058**	**0.082**	**0.28**
1330-20-7	**Xylenes (Total)**	**0.056**	**0.082**	**3.4**					

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

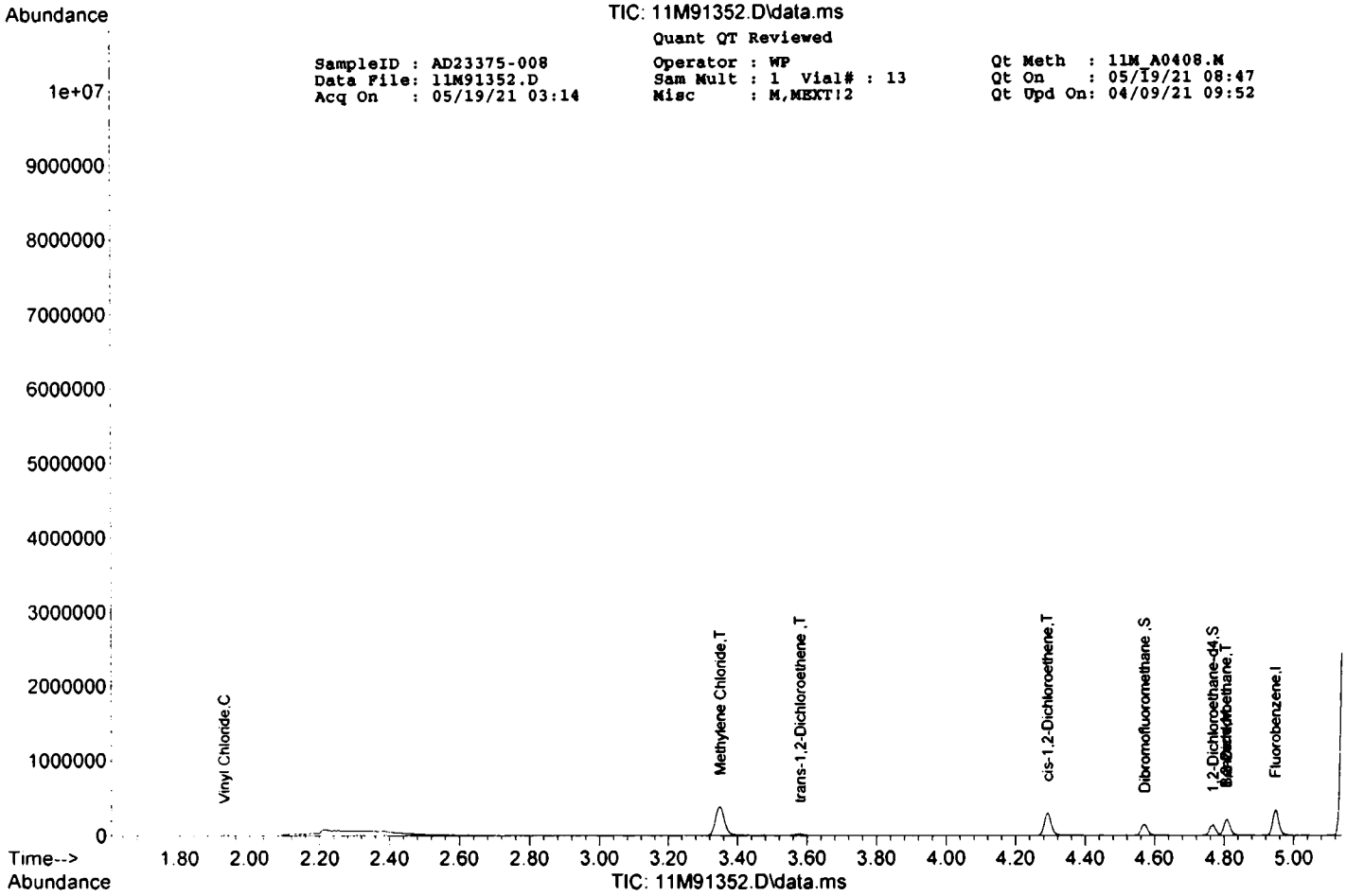
Quantitation Report (QT Reviewed)

SampleID : AD23375-008 Operator : WP Qt Meth : 11M_A0408.M
Data File: 11M91352.D Sam Mult : 1 Vial# : 13 Qt On : 05/19/21 08:47
Acq On : 05/19/21 03:14 Misc : M,MEXT!2 Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-1821\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.948	96	211722	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	205915	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.810	152	109095	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.572	111	57024	27.89	ug/l	0.00
Spiked Amount 30.000			Recovery = 92.97%			
39) 1,2-Dichloroethane-d4	4.768	67	30230	33.41	ug/l	0.00
Spiked Amount 30.000			Recovery = 111.37%			
66) Toluene-d8	5.781	98	233103	28.27	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.23%			
76) Bromofluorobenzene	7.160	174	83058	29.17	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.23%			
Target Compounds						Qvalue
9) Vinyl Chloride	1.928	62	6125	3.3993	ug/l	98
15) Methylene Chloride	3.350	84	187675	114.9262	ug/l	90
28) trans-1,2-Dichloroethene	3.582	96	6201	3.4943	ug/l	77
30) cis-1,2-Dichloroethene	4.292	61	100107	39.3250	ug/l	76
40) 1,2-Dichloroethane	4.807	62	88676	35.6537	ug/l	93
46) Methylcyclohexane	5.257	83	1705	0.7900	ug/l	87
49) Trichloroethene	5.148	130	674802	310.0044	ug/l	98
50) Benzene	4.807	78	19288	2.8002	ug/l	100
63) 4-Methyl-2-Pentanone	5.694	43	130442	76.1146	ug/l	95
65) Tetrachloroethene	6.106	164	22941	11.5459	ug/l	100
67) Toluene	5.816	92	2500358	498.8742	ug/l	97
69) Chlorobenzene	6.556	112	1452378	250.7414	ug/l	97
74) Ethylbenzene	6.594	106	18864	7.2014	ug/l	88
75) 1,1,2,2-Tetrachloroethane	7.209	83	105468	40.9302	ug/l	98
78) m&p-Xylenes	6.652	106	115997	34.3957	ug/l	96
79) o-Xylene	6.871	106	28702	7.7584	ug/l	84
84) Isopropylbenzene	7.061	105	6663	0.7750	ug/l	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed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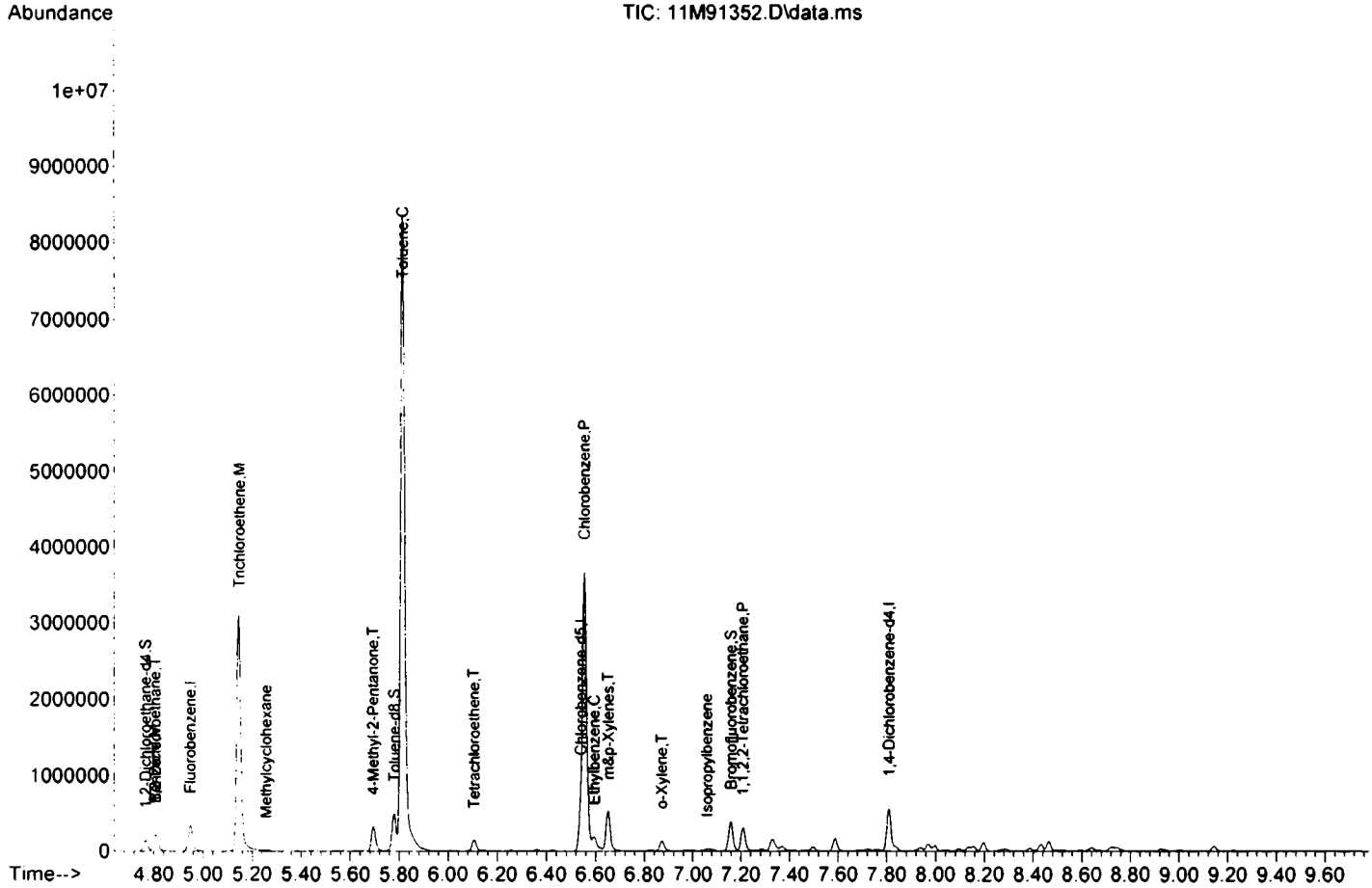
Quant QT Reviewed
SampleID : AD23375-008
Data File: 11M91352.D
Acq On : 05/19/21 03:14
Operator : WP
Sam Mult : 1 Vial# : 13
Misc : M,MEXT!2
Qt Meth : 11M_A0408.M
Qt On : 05/19/21 08:47
Qt Upd On: 04/09/21 09:52
Vinyl Chloride,C
Methylene Chloride,T
trans-1,2-Dichloroethene,T
cis-1,2-Dichloroethene,T
Dibromofluoromethane,S
Fluorobenzene,I
Time-->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4-Methyl-2-Pentanone,T
Toluene,C
Tetrachloroethene,T
Chlorobenzene,P
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Isopropylbenzene
1,1,2,2-Tetrachloroethane,P
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23375-009
Client Id: HIS-SB-14(18.5')
Data File: 6M140160.D
Analysis Date: 05/19/21 11:21
Date Rec/Extracted: 05/13/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 7g
Final Vol: NA
Dilution: 0.714
Solids: 81

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.00081	0.0018	U	56-23-5	Carbon Tetrachloride	0.00086	0.0018	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**0.00040**	**0.0018**	**0.0015J**	**108-90-7**	**Chlorobenzene**	**0.00055**	**0.0018**	**0.16**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0012	0.0018	U	75-00-3	Chloroethane	0.0017	0.0018	U
79-00-5	1,1,2-Trichloroethane	0.00041	0.0018	U	67-66-3	Chloroform	0.0012	0.0018	U
75-34-3	**1,1-Dichloroethane**	**0.00077**	**0.0018**	**0.0015J**	74-87-3	Chloromethane	0.0011	0.0018	U
75-35-4	1,1-Dichloroethene	0.0010	0.0018	U	**156-59-2**	**cis-1,2-Dichloroethene**	**0.00071**	**0.0018**	**0.073**
87-61-6	1,2,3-Trichlorobenzene	0.00049	0.0018	U	10061-01-5	cis-1,3-Dichloropropene	0.00047	0.0018	U
120-82-1	1,2,4-Trichlorobenzene	0.00056	0.0018	U	110-82-7	Cyclohexane	0.0011	0.0018	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.00049	0.0018	U	124-48-1	Dibromochloromethane	0.00038	0.0018	U
106-93-4	1,2-Dibromoethane	0.00043	0.00044	U	75-71-8	Dichlorodifluoromethane	0.0012	0.0018	U
95-50-1	1,2-Dichlorobenzene	0.00045	0.0018	U	**100-41-4**	**Ethylbenzene**	**0.00061**	**0.00088**	**0.0026**
107-06-2	**1,2-Dichloroethane**	**0.00036**	**0.0018**	**0.014**	98-82-8	Isopropylbenzene	0.00073	0.00088	U
78-87-5	1,2-Dichloropropane	0.00072	0.0018	U	**179601-23-1**	**m&p-Xylenes**	**0.0011**	**0.0011**	**0.0043**
541-73-1	1,3-Dichlorobenzene	0.00049	0.0018	U	79-20-9	Methyl Acetate	0.00085	0.0018	U
106-46-7	1,4-Dichlorobenzene	0.00047	0.0018	U	108-87-2	Methylcyclohexane	0.00079	0.0018	U
123-91-1	1,4-Dioxane	0.043	0.088	U	**75-09-2**	**Methylene Chloride**	**0.00066**	**0.0018**	**0.069**
78-93-3	2-Butanone	0.0011	0.0018	U	1634-04-4	Methyl-t-butyl ether	0.00048	0.00088	U
591-78-6	2-Hexanone	0.00075	0.0018	U	**95-47-6**	**o-Xylene**	**0.00063**	**0.00088**	**0.0021**
108-10-1	4-Methyl-2-Pentanone	0.00051	0.0018	U	100-42-5	Styrene	0.00049	0.0018	U
67-64-1	Acetone	0.0060	0.0088	U	**127-18-4**	**Tetrachloroethene**	**0.00086**	**0.0018**	**0.0039**
71-43-2	**Benzene**	**0.00064**	**0.00088**	**0.010**	**108-88-3**	**Toluene**	**0.00058**	**0.00088**	**0.14**
74-97-5	Bromochloromethane	0.00062	0.0018	U	**156-60-5**	**trans-1,2-Dichloroethene**	**0.0011**	**0.0018**	**0.021**
75-27-4	Bromodichloromethane	0.00041	0.0018	U	10061-02-6	trans-1,3-Dichloropropene	0.00041	0.0018	U
75-25-2	Bromoform	0.00029	0.0018	U	**79-01-6**	**Trichloroethene**	**0.00072**	**0.0018**	**0.23**
74-83-9	Bromomethane	0.0014	0.0018	U	75-69-4	Trichlorofluoromethane	0.0010	0.0018	U
75-15-0	Carbon Disulfide	0.0030	0.0030	U	**75-01-4**	**Vinyl Chloride**	**0.0011**	**0.0018**	**0.030**
1330-20-7	**Xylenes (Total)**	**0.00063**	**0.00088**	**0.0064**					

Worksheet #: 593069

Total Target Concentration 0.76

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

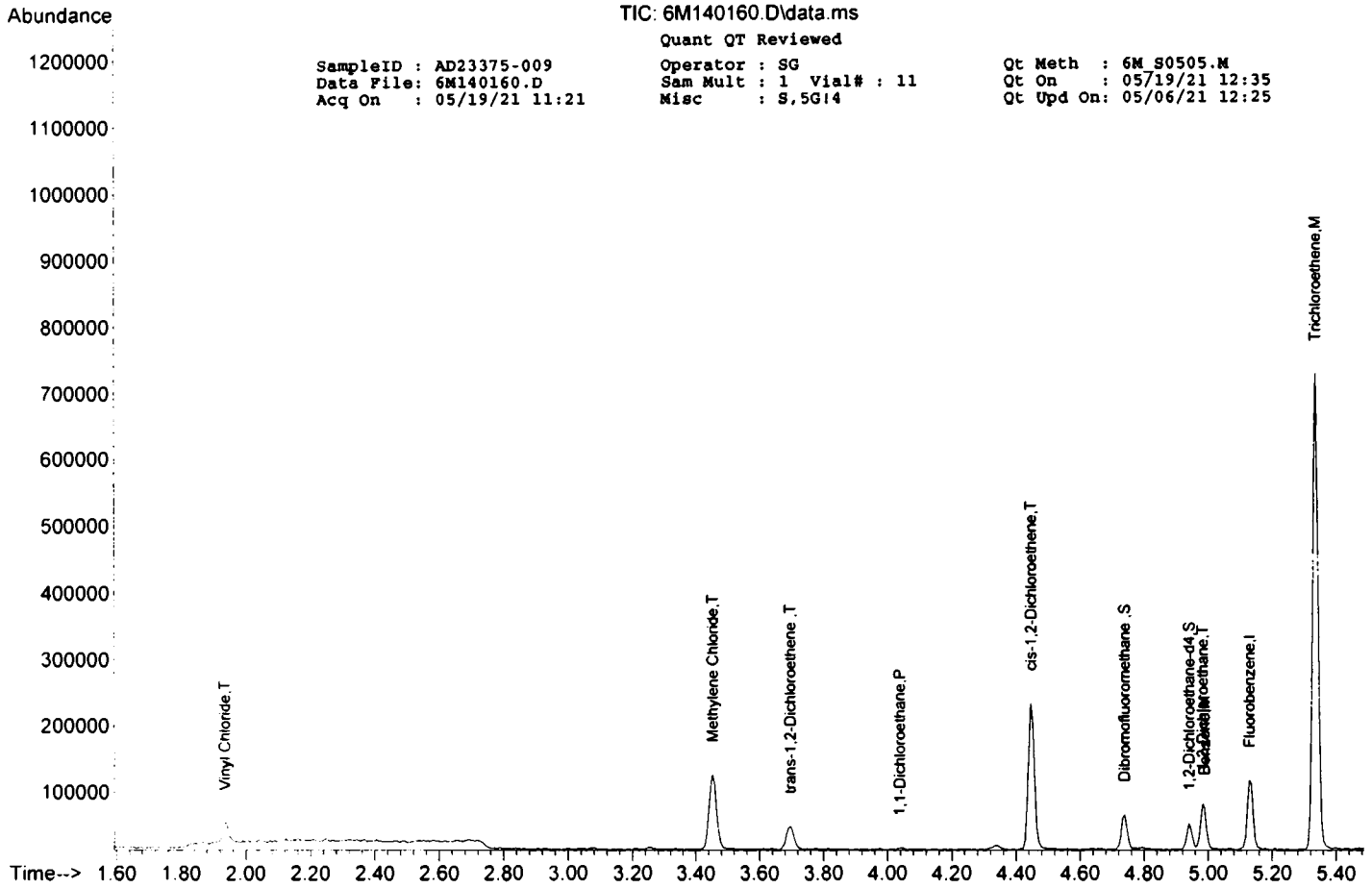
Quantitation Report (QT Reviewed)

SampleID : AD23375-009 Operator : SG Qt Meth : 6M_S0505.M
Data File: 6M140160.D Sam Mult : 1 Vial# : 11 Qt On : 05/19/21 12:35
Acq On : 05/19/21 11:21 Misc : S,5G!4 Qt Upd On: 05/06/21 12:25

Data Path : G:\GcMsData\2021\GCMS_6\Data\05-19-21\
Qt Path : G:\GcMsData\2021\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.129	96	65831	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.763	117	82823	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.050	152	54611	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.739	111	19591	29.89	ug/l	0.01
Spiked Amount 30.000			Recovery = 99.63%			
39) 1,2-Dichloroethane-d4	4.940	67	8411	28.28	ug/l	0.01
Spiked Amount 30.000			Recovery = 94.27%			
66) Toluene-d8	5.989	98	80117	27.64	ug/l	0.00
Spiked Amount 30.000			Recovery = 92.13%			
76) Bromofluorobenzene	7.391	174	39201	27.14	ug/l	0.00
Spiked Amount 30.000			Recovery = 90.47%			
Target Compounds						Qvalue
9) Vinyl Chloride	1.935	62	20719	34.1898	ug/l	91
15) Methylene Chloride	3.453	84	44501	78.2404	ug/l	77
27) 1,1-Dichloroethane	4.038	63	1506	1.6534	ug/l	91
28) trans-1,2-Dichloroethene	3.697	96	11703	23.3565	ug/l	80
30) cis-1,2-Dichloroethene	4.447	61	76859	83.2116	ug/l	92
40) 1,2-Dichloroethane	4.983	62	12905	16.2039	ug/l	93
49) Trichloroethene	5.337	130	160752	263.9764	ug/l	89
50) Benzene	4.989	78	24570	11.8914	ug/l	100
65) Tetrachloroethene	6.330	164	2523	4.4364	ug/l	67
67) Toluene	6.026	92	276060	162.1796	ug/l	96
69) Chlorobenzene	6.781	112	363770	178.4093	ug/l	99
74) Ethylbenzene	6.818	106	1910	2.9277	ug/l	69
75) 1,1,2,2-Tetrachloroethane	7.440	83	1622	1.6713	ug/l	82
78) m&p-Xylenes	6.879	106	6103	4.8808	ug/l	92
79) o-Xylene	7.098	106	2284	2.3990	ug/l	66

(#) = qualifier out of range (m) = manual integration (+) = signals summed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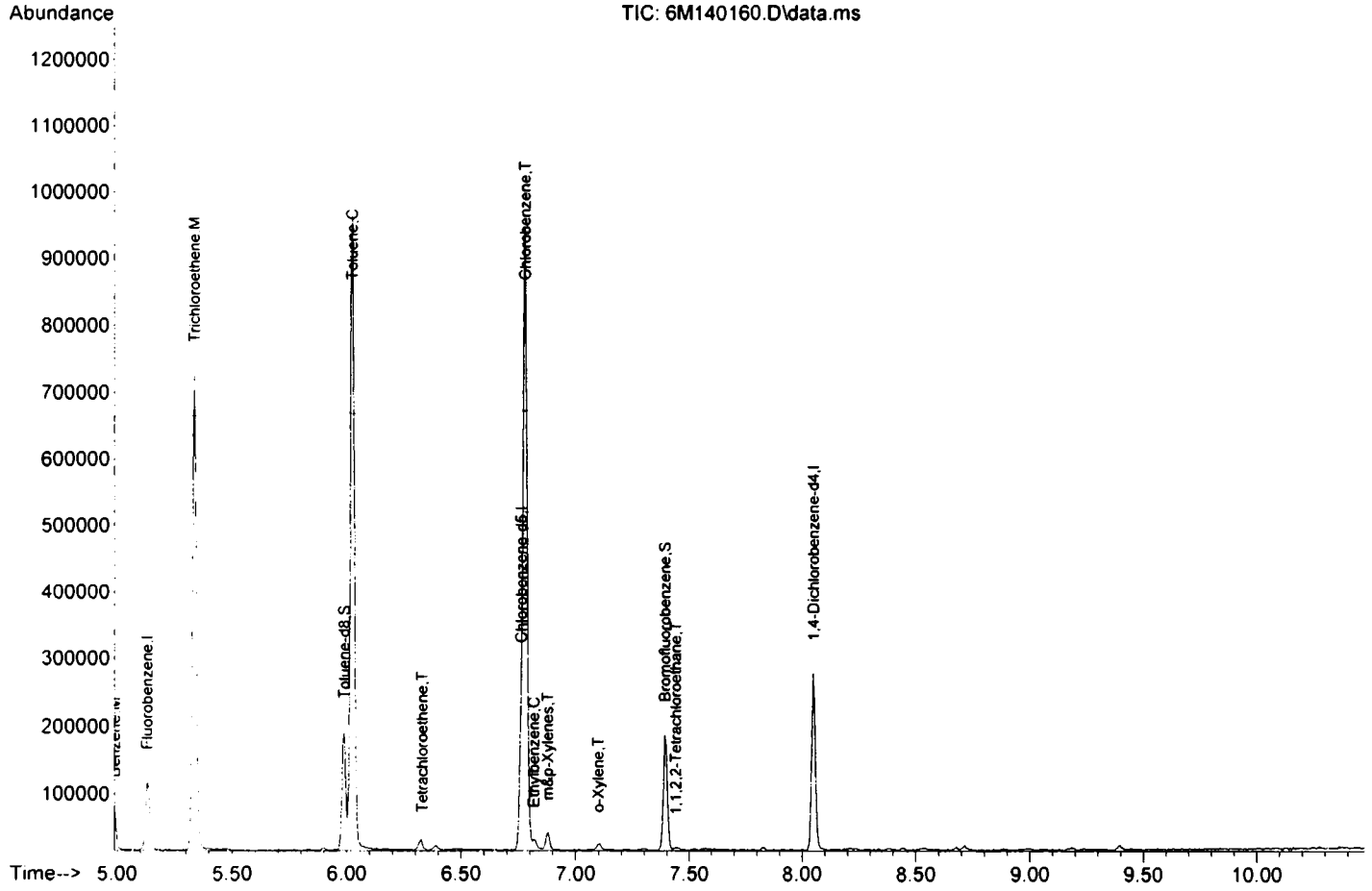
Quant QT Reviewed
SampleID : AD23375-009
Data File: 6M140160.D
Acq On : 05/19/21 11:21
Operator : SG
Sam Mult : 1 Vial# : 11
Misc : S,5G14
Qt Meth : 6M_S0505.M
Qt On : 05/19/21 12:35
Qt Upd On: 05/06/21 12:25
Vinyl Chloride,T
Methylene Chloride,T
trans-1,2-Dichloroethene,T
1,1-Dichloroethane,P
cis-1,2-Dichloroethene,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Time-->


Abundance
TIC: 6M140160.D\data.ms
Fluorobenzene,I
Trichloroethene,M
Toluene-d8,S
Toluene,C
Tetrachloroethene,T
Chlorobenzene-d5,I
Chlorobenzene,T
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,I
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23375-010(8uL)
Client Id: HSI-SB-D2
Data File: 11M91513.D
Analysis Date: 05/21/21 13:14
Date Rec/Extracted: 05/13/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 7.91g:10ml
Final Vol: NA
Dilution: 6320
Solids: 82

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	2.8	7.7	U	56-23-5	Carbon Tetrachloride	2.5	7.7	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**3.5**	**7.7**	**240**	**108-90-7**	**Chlorobenzene**	**2.5**	**7.7**	**1100**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	5.6	7.7	U	75-00-3	Chloroethane	4.5	7.7	U
79-00-5	1,1,2-Trichloroethane	2.5	7.7	U	67-66-3	Chloroform	15	15	U
75-34-3	1,1-Dichloroethane	3.3	7.7	U	74-87-3	Chloromethane	4.0	7.7	U
75-35-4	1,1-Dichloroethene	4.1	7.7	U	156-59-2	cis-1,2-Dichloroethene	4.9	7.7	U
87-61-6	1,2,3-Trichlorobenzene	6.1	7.7	U	10061-01-5	cis-1,3-Dichloropropene	2.5	7.7	U
120-82-1	1,2,4-Trichlorobenzene	5.6	7.7	U	110-82-7	Cyclohexane	3.8	7.7	U
96-12-8	1,2-Dibromo-3-Chloropropa	6.4	7.7	U	124-48-1	Dibromochloromethane	1.8	7.7	U
106-93-4	1,2-Dibromoethane	2.6	7.7	U	75-71-8	Dichlorodifluoromethane	4.8	7.7	U
95-50-1	1,2-Dichlorobenzene	2.5	7.7	U	**100-41-4**	**Ethylbenzene**	**3.6**	**7.7**	**38**
107-06-2	**1,2-Dichloroethane**	**4.9**	**4.9**	**66**	**98-82-8**	**Isopropylbenzene**	**3.8**	**7.7**	**4.1J**
78-87-5	1,2-Dichloropropane	2.3	7.7	U	**179601-23-1**	**m&p-Xylenes**	**6.5**	**7.7**	**180**
541-73-1	1,3-Dichlorobenzene	2.9	7.7	U	79-20-9	Methyl Acetate	5.4	7.7	U
106-46-7	1,4-Dichlorobenzene	2.8	7.7	U	108-87-2	Methylcyclohexane	4.7	7.7	U
123-91-1	1,4-Dioxane	300	390	U	**75-09-2**	**Methylene Chloride**	**2.3**	**7.7**	**110**
78-93-3	2-Butanone	5.8	7.7	U	1634-04-4	Methyl-t-butyl ether	2.4	3.9	U
591-78-6	2-Hexanone	4.6	7.7	U	**95-47-6**	**o-Xylene**	**5.3**	**7.7**	**40**
108-10-1	**4-Methyl-2-Pentanone**	**3.7**	**7.7**	**150**	100-42-5	Styrene	4.2	7.7	U
67-64-1	Acetone	35	39	U	**127-18-4**	**Tetrachloroethene**	**2.8**	**7.7**	**60**
71-43-2	**Benzene**	**2.3**	**3.9**	**7.2**	**108-88-3**	**Toluene**	**2.5**	**7.7**	**1900**
74-97-5	Bromochloromethane	6.1	7.7	U	**156-60-5**	**trans-1,2-Dichloroethene**	**2.4**	**7.7**	**8.1**
75-27-4	Bromodichloromethane	2.7	7.7	U	10061-02-6	trans-1,3-Dichloropropene	2.4	7.7	U
75-25-2	Bromoform	4.2	7.7	U	**79-01-6**	**Trichloroethene**	**2.7**	**7.7**	**1300**
74-83-9	Bromomethane	3.9	7.7	U	75-69-4	Trichlorofluoromethane	2.4	7.7	U
75-15-0	Carbon Disulfide	3.3	7.7	U	75-01-4	Vinyl Chloride	5.4	7.7	U
1330-20-7	**Xylenes (Total)**	**5.3**	**7.7**	**220**					

Worksheet #: 593069

Total Target Concentration 5200

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

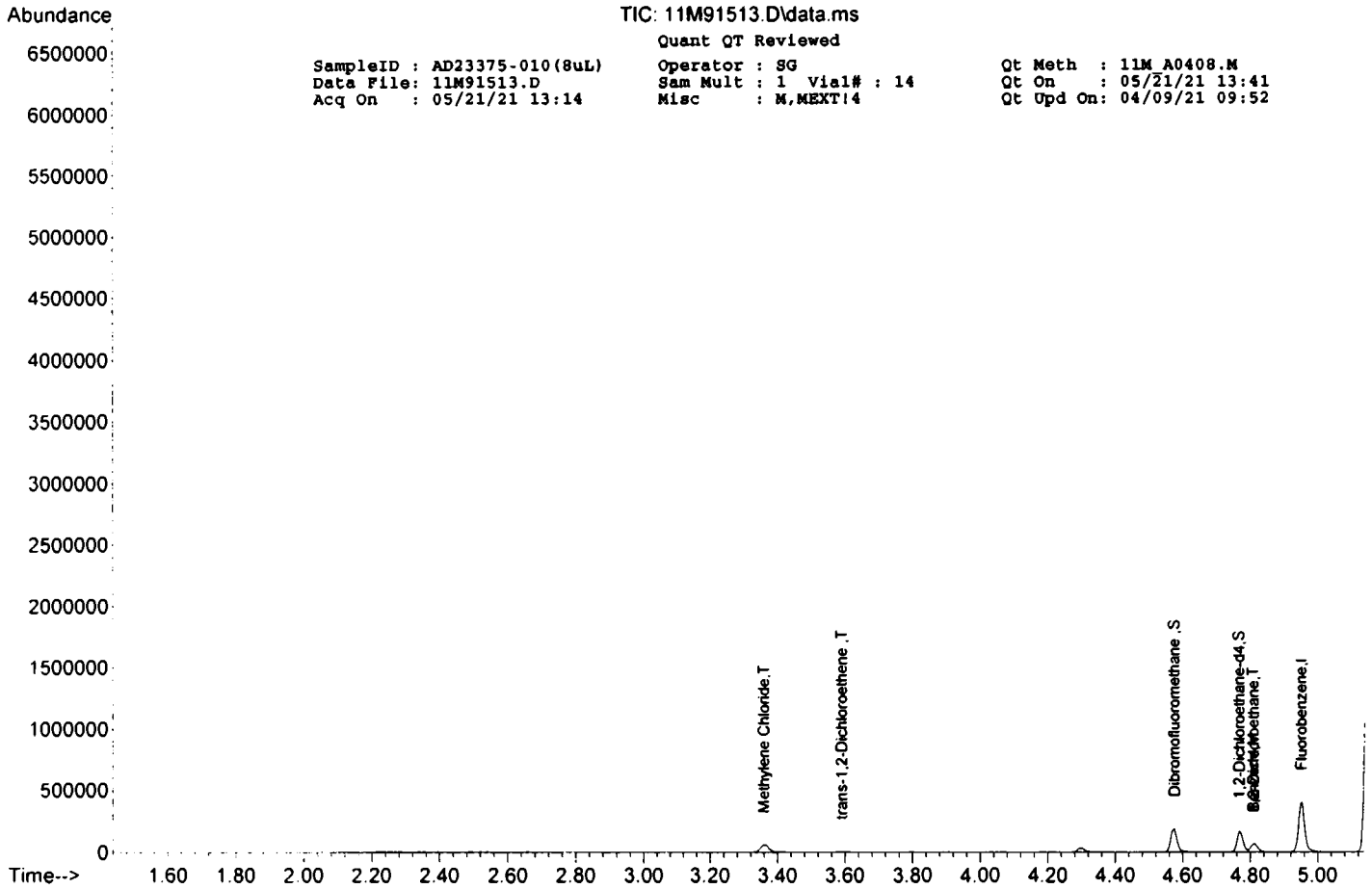
Quantitation Report (QT Reviewed)

SampleID : AD23375-010(8uL) Operator : SG Qt Meth : 11M_A0408.M
Data File: 11M91513.D Sam Mult : 1 Vial# : 14 Qt On : 05/21/21 13:41
Acq On : 05/21/21 13:14 Misc : M,MEXT!4 Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-21-21\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.951	96	254449	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	252198	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.807	152	131072	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.575	111	70671	28.76	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.87%			
39) 1,2-Dichloroethane-d4	4.768	67	35766	32.89	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.63%			
66) Toluene-d8	5.781	98	283294	28.05	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.50%			
76) Bromofluorobenzene	7.160	174	105855	30.94	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.13%			
Target Compounds						Qvalue
15) Methylene Chloride	3.360	84	27018	13.7667	ug/l	92
28) trans-1,2-Dichloroethene	3.591	96	2237	1.0489	ug/l	62
40) 1,2-Dichloroethane	4.810	62	25596	8.5632	ug/l	96
49) Trichloroethene	5.148	130	429491	164.1764	ug/l	100
50) Benzene	4.810	78	7754	0.9367	ug/l	100
63) 4-Methyl-2-Pentanone	5.694	43	41018	19.5421	ug/l	89
65) Tetrachloroethene	6.109	164	19057	7.8310	ug/l	91
67) Toluene	5.816	92	1536292	250.2701	ug/l	98
69) Chlorobenzene	6.556	112	1042431	146.9400	ug/l	100
74) Ethylbenzene	6.598	106	15401	4.8936	ug/l	86
75) 1,1,2,2-Tetrachloroethane	7.209	83	96782	31.2617	ug/l	98
78) m&p-Xylenes	6.649	106	93853	23.1633	ug/l	79
79) o-Xylene	6.871	106	22995	5.1736	ug/l	95
84) Isopropylbenzene	7.057	105	5446	0.5272	ug/l	94

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


Abundance
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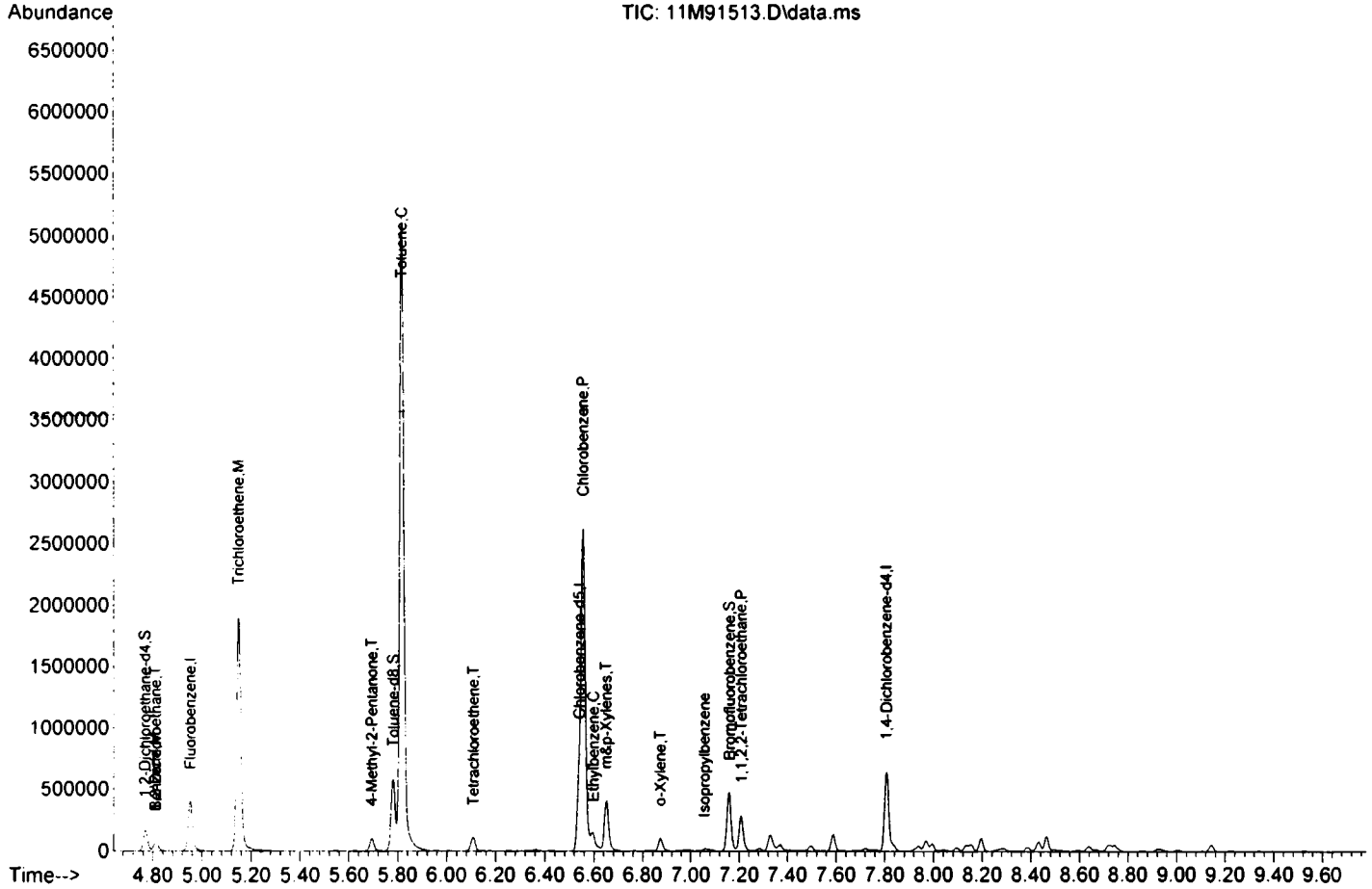
Quant QT Reviewed
SampleID : AD23375-010(8uL)
Data File: 11M91513.D
Acq On : 05/21/21 13:14
Operator : SG
Sam Mult : 1 Vial# : 14
Misc : M,MEXT!4
Qt Meth : 11M_A0408.M
Qt On : 05/21/21 13:41
Qt Upd On: 04/09/21 09:52
Methylene Chloride,T
trans-1,2-Dichloroethene,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Time-->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1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
Tetrachloroethene,T
Chlorobenzene,P
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Isopropylbenzene
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,P
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23375-011(8uL)
Client Id: HSI-SB-15(3.5')
Data File: 11M91331.D
Analysis Date: 05/18/21 19:43
Date Rec/Extracted: 05/13/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 7.37g:10ml
Final Vol: NA
Dilution: 6780
Solids: 86

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	2.8	7.9	U	56-23-5	Carbon Tetrachloride	2.5	7.9	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**3.5**	**7.9**	**260**	**108-90-7**	**Chlorobenzene**	**2.6**	**7.9**	**980**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	5.7	7.9	U	75-00-3	Chloroethane	4.6	7.9	U
79-00-5	1,1,2-Trichloroethane	2.5	7.9	U	67-66-3	Chloroform	15	15	U
75-34-3	1,1-Dichloroethane	3.4	7.9	U	74-87-3	Chloromethane	4.1	7.9	U
75-35-4	1,1-Dichloroethene	4.2	7.9	U	**156-59-2**	**cis-1,2-Dichloroethene**	**5.0**	**7.9**	**15**
87-61-6	1,2,3-Trichlorobenzene	6.2	7.9	U	10061-01-5	cis-1,3-Dichloropropene	2.5	7.9	U
120-82-1	1,2,4-Trichlorobenzene	5.7	7.9	U	110-82-7	Cyclohexane	3.8	7.9	U
96-12-8	1,2-Dibromo-3-Chloropropa	6.6	7.9	U	124-48-1	Dibromochloromethane	1.9	7.9	U
106-93-4	1,2-Dibromoethane	2.7	7.9	U	75-71-8	Dichlorodifluoromethane	4.9	7.9	U
95-50-1	1,2-Dichlorobenzene	2.6	7.9	U	**100-41-4**	**Ethylbenzene**	**3.7**	**7.9**	**29**
107-06-2	**1,2-Dichloroethane**	**5.0**	**5.0**	**28**	**98-82-8**	**Isopropylbenzene**	**3.9**	**7.9**	**6.2J**
78-87-5	1,2-Dichloropropane	2.4	7.9	U	**179601-23-1**	**m&p-Xylenes**	**6.7**	**7.9**	**170**
541-73-1	1,3-Dichlorobenzene	3.0	7.9	U	79-20-9	Methyl Acetate	5.5	7.9	U
106-46-7	1,4-Dichlorobenzene	2.9	7.9	U	108-87-2	Methylcyclohexane	4.8	7.9	U
123-91-1	1,4-Dioxane	310	390	U	**75-09-2**	**Methylene Chloride**	**2.3**	**7.9**	**37**
78-93-3	2-Butanone	5.9	7.9	U	1634-04-4	Methyl-t-butyl ether	2.5	3.9	U
591-78-6	2-Hexanone	4.7	7.9	U	**95-47-6**	**o-Xylene**	**5.4**	**7.9**	**44**
108-10-1	**4-Methyl-2-Pentanone**	**3.8**	**7.9**	**16**	100-42-5	Styrene	4.3	7.9	U
67-64-1	Acetone	36	39	U	**127-18-4**	**Tetrachloroethene**	**2.8**	**7.9**	**55**
71-43-2	**Benzene**	**2.3**	**3.9**	**2.7J**	**108-88-3**	**Toluene**	**2.6**	**7.9**	**630**
74-97-5	Bromochloromethane	6.2	7.9	U	**156-60-5**	**trans-1,2-Dichloroethene**	**2.4**	**7.9**	**3.3J**
75-27-4	Bromodichloromethane	2.7	7.9	U	10061-02-6	trans-1,3-Dichloropropene	2.4	7.9	U
75-25-2	Bromoform	4.3	7.9	U	**79-01-6**	**Trichloroethene**	**2.7**	**7.9**	**630**
74-83-9	Bromomethane	4.0	7.9	U	75-69-4	Trichlorofluoromethane	2.4	7.9	U
75-15-0	Carbon Disulfide	3.3	7.9	U	75-01-4	Vinyl Chloride	5.6	7.9	U
1330-20-7	**Xylenes (Total)**	**5.4**	**7.9**	**210**					

Worksheet #: 593069

Total Target Concentration 2900

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

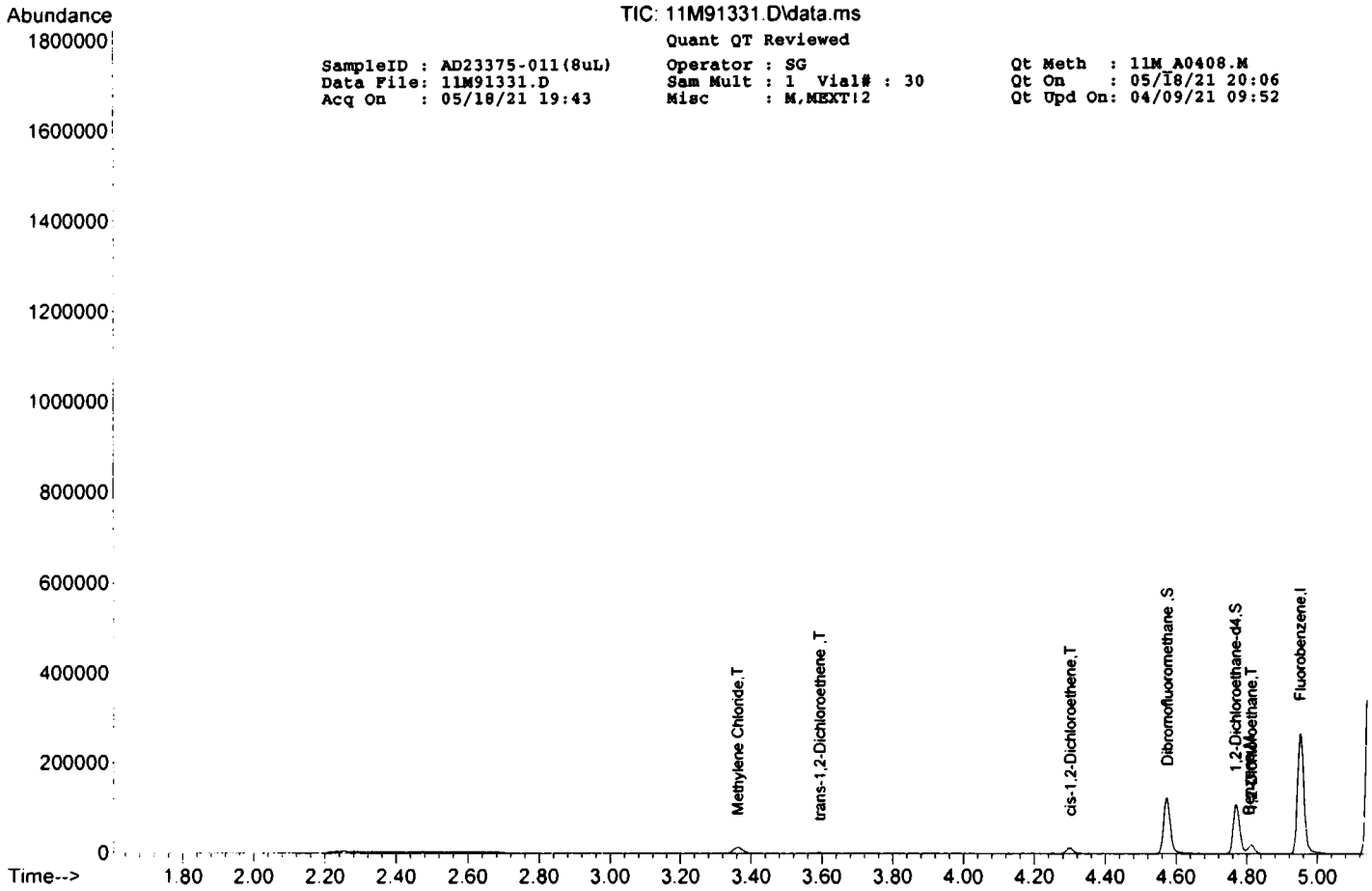
Quantitation Report (QT Reviewed)

SampleID : AD23375-011(8uL) Operator : SG Qt Meth : 11M_A0408.M
Data File: 11M91331.D Sam Mult : 1 Vial# : 30 Qt On : 05/18/21 20:06
Acq On : 05/18/21 19:43 Misc : M,MEXT!2 Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-18-21\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.951	96	171078	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	159694	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.810	152	86162	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.575	111	49257	29.82	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.40%			
39) 1,2-Dichloroethane-d4	4.768	67	25388	34.73	ug/l	0.00
Spiked Amount 30.000			Recovery = 115.77%			
66) Toluene-d8	5.781	98	180241	28.19	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.97%			
76) Bromofluorobenzene	7.160	174	67204	29.88	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.60%			
Target Compounds						Qvalue
15) Methylene Chloride	3.363	84	6253	4.7389	ug/l	80
28) trans-1,2-Dichloroethene	3.595	96	593	0.4135	ug/l	49
30) cis-1,2-Dichloroethene	4.302	61	3932	1.9116	ug/l	69
40) 1,2-Dichloroethane	4.813	62	7051	3.5085	ug/l	91
49) Trichloroethene	5.151	130	140253	79.7399	ug/l	97
50) Benzene	4.807	78	1896	0.3406	ug/l	100
63) 4-Methyl-2-Pentanone	5.694	43	2685	2.0202	ug/l	98
65) Tetrachloroethene	6.106	164	10760	6.9828	ug/l	76
67) Toluene	5.816	92	310423	79.8624	ug/l	99
69) Chlorobenzene	6.559	112	559825	124.6230	ug/l	98
74) Ethylbenzene	6.598	106	7563	3.6557	ug/l	96
75) 1,1,2,2-Tetrachloroethane	7.212	83	66565	32.7083	ug/l	89
78) m&p-Xylenes	6.652	106	59014	22.1565	ug/l	88
79) o-Xylene	6.874	106	16466	5.6356	ug/l	93
84) Isopropylbenzene	7.067	105	5334	0.7855	ug/l	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed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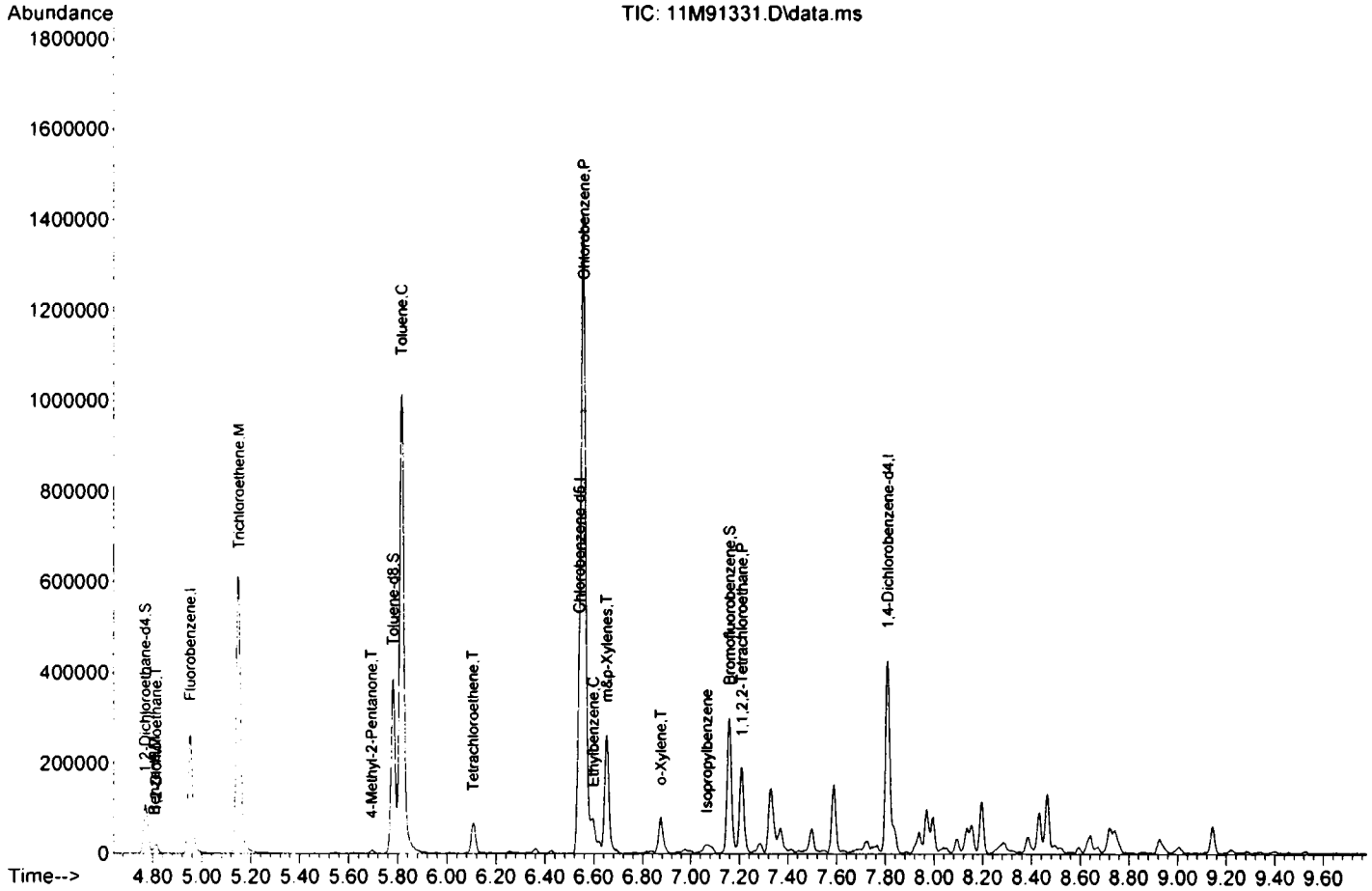
Quant QT Reviewed
SampleID : AD23375-011(8uL)
Data File: 11M91331.D
Acq On : 05/18/21 19:43
Operator : SG
Sam Mult : 1 Vial# : 30
Misc : M,MEXT!2
Qt Meth : 11M_A0408.M
Qt On : 05/18/21 20:06
Qt Upd On: 04/09/21 09:52
Methylene Chloride,T
trans-1,2-Dichloroethene,T
cis-1,2-Dichloroethene,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Time-->


Abundance
TIC: 11M91331.D\data.ms
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
Tetrachloroethene,T
Chlorobenzene-d5,I
Chlorobenzene,P
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Isopropylbenzene
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,P
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23375-012(8uL)
Client Id: HSI-SB-15(5.5')
Data File: 11M91332.D
Analysis Date: 05/18/21 20:04
Date Rec/Extracted: 05/13/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 7.38g:10ml
Final Vol: NA
Dilution: 6780
Solids: 82

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	3.0	8.3	U	56-23-5	Carbon Tetrachloride	2.7	8.3	U
79-34-5	**1,1,2,2-Tetrachloroethane**	3.7	**8.3**	**130**	**108-90-7**	**Chlorobenzene**	**2.7**	**8.3**	**820**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	6.0	8.3	U	75-00-3	Chloroethane	4.8	8.3	U
79-00-5	1,1,2-Trichloroethane	2.6	8.3	U	67-66-3	Chloroform	16	16	U
75-34-3	1,1-Dichloroethane	3.5	8.3	U	74-87-3	Chloromethane	4.3	8.3	U
75-35-4	1,1-Dichloroethene	4.4	8.3	U	**156-59-2**	**cis-1,2-Dichloroethene**	**5.3**	**8.3**	**22**
87-61-6	1,2,3-Trichlorobenzene	6.5	8.3	U	10061-01-5	cis-1,3-Dichloropropene	2.6	8.3	U
120-82-1	1,2,4-Trichlorobenzene	6.0	8.3	U	110-82-7	Cyclohexane	4.0	8.3	U
96-12-8	1,2-Dibromo-3-Chloropropa	6.9	8.3	U	124-48-1	Dibromochloromethane	2.0	8.3	U
106-93-4	1,2-Dibromoethane	2.8	8.3	U	75-71-8	Dichlorodifluoromethane	5.1	8.3	U
95-50-1	1,2-Dichlorobenzene	2.7	8.3	U	**100-41-4**	**Ethylbenzene**	**3.9**	**8.3**	**24**
107-06-2	**1,2-Dichloroethane**	**5.3**	**5.3**	**32**	98-82-8	Isopropylbenzene	4.1	8.3	U
78-87-5	1,2-Dichloropropane	2.5	8.3	U	**179601-23-1**	**m&p-Xylenes**	**7.0**	**8.3**	**120**
541-73-1	1,3-Dichlorobenzene	3.1	8.3	U	79-20-9	Methyl Acetate	5.8	8.3	U
106-46-7	1,4-Dichlorobenzene	3.0	8.3	U	108-87-2	Methylcyclohexane	5.1	8.3	U
123-91-1	1,4-Dioxane	320	410	U	**75-09-2**	**Methylene Chloride**	**2.4**	**8.3**	**51**
78-93-3	2-Butanone	6.2	8.3	U	1634-04-4	Methyl-t-butyl ether	2.6	4.1	U
591-78-6	2-Hexanone	5.0	8.3	U	**95-47-6**	**o-Xylene**	**5.6**	**8.3**	**27**
108-10-1	**4-Methyl-2-Pentanone**	**4.0**	**8.3**	**59**	100-42-5	Styrene	4.5	8.3	U
67-64-1	Acetone	38	41	U	**127-18-4**	**Tetrachloroethene**	**3.0**	**8.3**	**42**
71-43-2	**Benzene**	**2.4**	**4.1**	**3.3J**	**108-88-3**	**Toluene**	**2.7**	**8.3**	**900**
74-97-5	Bromochloromethane	6.5	8.3	U	156-60-5	trans-1,2-Dichloroethene	2.6	8.3	U
75-27-4	Bromodichloromethane	2.9	8.3	U	10061-02-6	trans-1,3-Dichloropropene	2.5	8.3	U
75-25-2	Bromoform	4.5	8.3	U	**79-01-6**	**Trichloroethene**	**2.9**	**8.3**	**610**
74-83-9	Bromomethane	4.2	8.3	U	75-69-4	Trichlorofluoromethane	2.5	8.3	U
75-15-0	Carbon Disulfide	3.5	8.3	U	75-01-4	Vinyl Chloride	5.8	8.3	U
1330-20-7	**Xylenes (Total)**	**5.6**	**8.3**	**150**					

Worksheet #: 593069

Total Target Concentration 2800

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

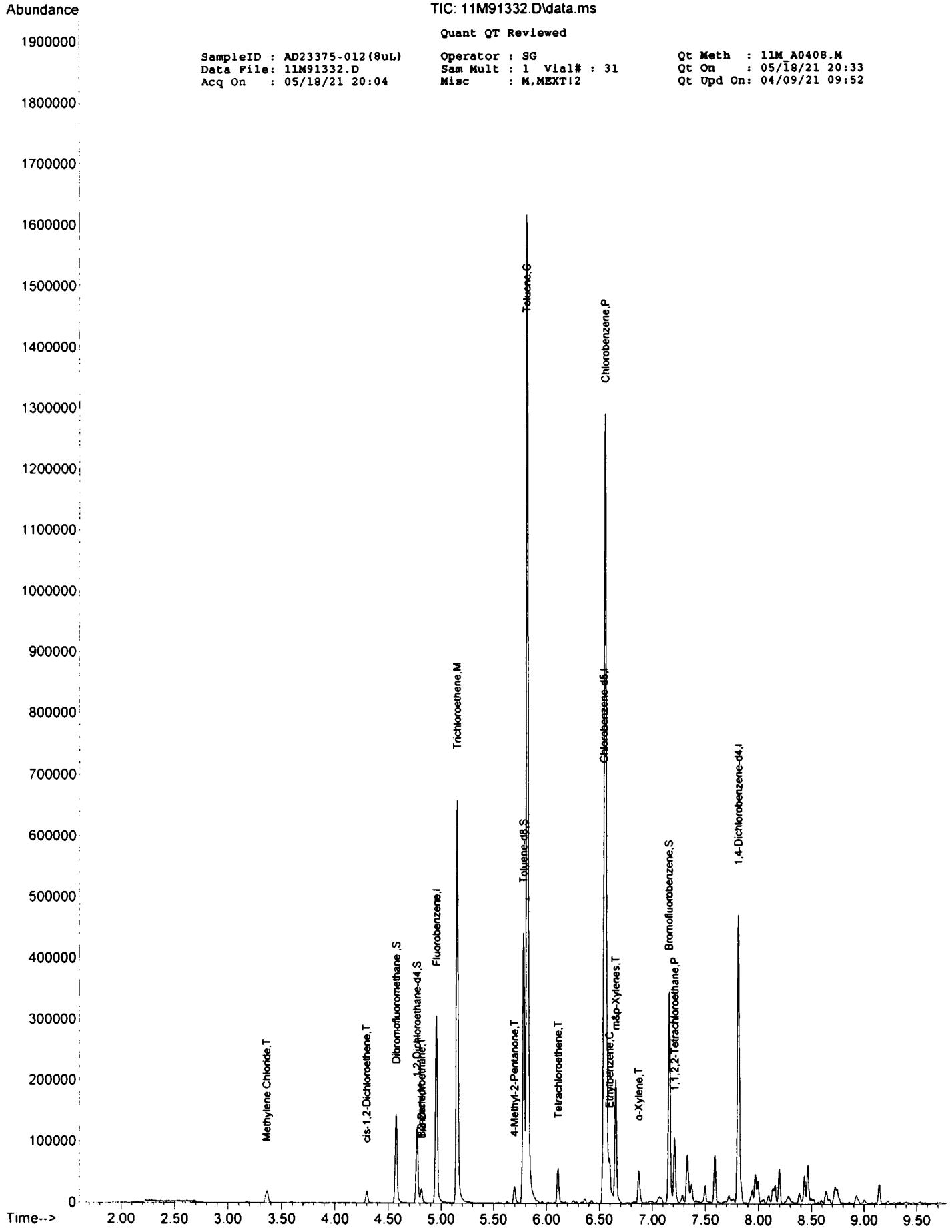
Quantitation Report (QT Reviewed)

SampleID : AD23375-012(8uL) Operator : SG Qt Meth : 11M_A0408.M
Data File: 11M91332.D Sam Mult : 1 Vial# : 31 Qt On : 05/18/21 20:33
Acq On : 05/18/21 20:04 Misc : M,MEXT!2 Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-18-21\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.955	96	194082	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.543	117	184927	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.810	152	96684	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.575	111	55365	29.54	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.47%			
39) 1,2-Dichloroethane-d4	4.771	67	26523	31.98	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.60%			
66) Toluene-d8	5.781	98	209001	28.22	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.07%			
76) Bromofluorobenzene	7.157	174	77527	30.72	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.40%			
Target Compounds						Qvalue
15) Methylene Chloride	3.360	84	9262	6.1873	ug/l	85
30) cis-1,2-Dichloroethene	4.295	61	6299	2.6993	ug/l	92
40) 1,2-Dichloroethane	4.813	62	8732	3.8300	ug/l	82
49) Trichloroethene	5.151	130	148045	74.1935	ug/l	96
50) Benzene	4.813	78	2540	0.4023	ug/l	100
63) 4-Methyl-2-Pentanone	5.694	43	11063	7.1880	ug/l	100
65) Tetrachloroethene	6.109	164	9155	5.1305	ug/l	93
67) Toluene	5.816	92	489291	108.7036	ug/l	98
69) Chlorobenzene	6.559	112	518387	99.6525	ug/l	97
74) Ethylbenzene	6.594	106	6658	2.8680	ug/l	93
75) 1,1,2,2-Tetrachloroethane	7.212	83	37103	16.2473	ug/l	90
78) m&p-Xylenes	6.652	106	43775	14.6465	ug/l	83
79) o-Xylene	6.871	106	10856	3.3112	ug/l	82

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


Abundance
TIC: 11M91332.D\data.ms
Quant QT Reviewed
SampleID : AD23375-012(8uL)
Data File: 11M91332.D
Acq On : 05/18/21 20:04
Operator : SG
Sam Mult : 1 Vial# : 31
Misc : M,MEXT12
Qt Meth : 11M_A0408.M
Qt On : 05/18/21 20:33
Qt Upd On: 04/09/21 09:52
Methylene Chloride,T
cis-1,2-Dichloroethene,T
Dibromofluoromethane,S
Fluorobenzene,I
Trichloroethene,M
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
Tetrachloroethene,T
Chlorobenzene,P
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,P
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23375-013(8uL)
Client Id: HSI-SB-15(6')
Data File: 11M91333.D
Analysis Date: 05/18/21 20:26
Date Rec/Extracted: 05/13/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 7.09g:10ml
Final Vol: NA
Dilution: 7050
Solids: 80

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	3.2	8.8	U	56-23-5	Carbon Tetrachloride	2.8	8.8	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**3.9**	**8.8**	**160**	**108-90-7**	**Chlorobenzene**	**2.9**	**8.8**	**960**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	6.4	8.8	U	75-00-3	Chloroethane	5.1	8.8	U
79-00-5	1,1,2-Trichloroethane	2.8	8.8	U	67-66-3	Chloroform	17	17	U
75-34-3	1,1-Dichloroethane	3.8	8.8	U	74-87-3	Chloromethane	4.5	8.8	U
75-35-4	1,1-Dichloroethene	4.7	8.8	U	**156-59-2**	**cis-1,2-Dichloroethene**	**5.6**	**8.8**	**24**
87-61-6	1,2,3-Trichlorobenzene	6.9	8.8	U	10061-01-5	cis-1,3-Dichloropropene	2.8	8.8	U
120-82-1	1,2,4-Trichlorobenzene	6.4	8.8	U	110-82-7	Cyclohexane	4.3	8.8	U
96-12-8	1,2-Dibromo-3-Chloropropa	7.4	8.8	U	124-48-1	Dibromochloromethane	2.1	8.8	U
106-93-4	1,2-Dibromoethane	3.0	8.8	U	75-71-8	Dichlorodifluoromethane	5.5	8.8	U
95-50-1	1,2-Dichlorobenzene	2.9	8.8	U	**100-41-4**	**Ethylbenzene**	**4.1**	**8.8**	**31**
107-06-2	**1,2-Dichloroethane**	**5.6**	**5.6**	**22**	**98-82-8**	**Isopropylbenzene**	**4.3**	**8.8**	**4.5J**
78-87-5	1,2-Dichloropropane	2.6	8.8	U	**179601-23-1**	**m&p-Xylenes**	**7.5**	**8.8**	**160**
541-73-1	1,3-Dichlorobenzene	3.3	8.8	U	79-20-9	Methyl Acetate	6.2	8.8	U
106-46-7	1,4-Dichlorobenzene	3.2	8.8	U	108-87-2	Methylcyclohexane	5.4	8.8	U
123-91-1	1,4-Dioxane	350	440	U	**75-09-2**	**Methylene Chloride**	**2.6**	**8.8**	**30**
78-93-3	2-Butanone	6.6	8.8	U	1634-04-4	Methyl-t-butyl ether	2.8	4.4	U
591-78-6	2-Hexanone	5.3	8.8	U	**95-47-6**	**o-Xylene**	**6.0**	**8.8**	**36**
108-10-1	**4-Methyl-2-Pentanone**	**4.3**	**8.8**	**47**	100-42-5	Styrene	4.8	8.8	U
67-64-1	Acetone	40	44	U	**127-18-4**	**Tetrachloroethene**	**3.1**	**8.8**	**50**
71-43-2	**Benzene**	**2.6**	**4.4**	**3.6J**	**108-88-3**	**Toluene**	**2.9**	**8.8**	**1100**
74-97-5	Bromochloromethane	6.9	8.8	U	156-60-5	trans-1,2-Dichloroethene	2.7	8.8	U
75-27-4	Bromodichloromethane	3.0	8.8	U	10061-02-6	trans-1,3-Dichloropropene	2.7	8.8	U
75-25-2	Bromoform	4.8	8.8	U	**79-01-6**	**Trichloroethene**	**3.0**	**8.8**	**680**
74-83-9	Bromomethane	4.4	8.8	U	75-69-4	Trichlorofluoromethane	2.7	8.8	U
75-15-0	Carbon Disulfide	3.7	8.8	U	75-01-4	Vinyl Chloride	6.2	8.8	U
1330-20-7	**Xylenes (Total)**	**6.0**	**8.8**	**200**					

Worksheet #: 593069

Total Target Concentration 3300

ColumnID: (^) Indicates results from 2nd column

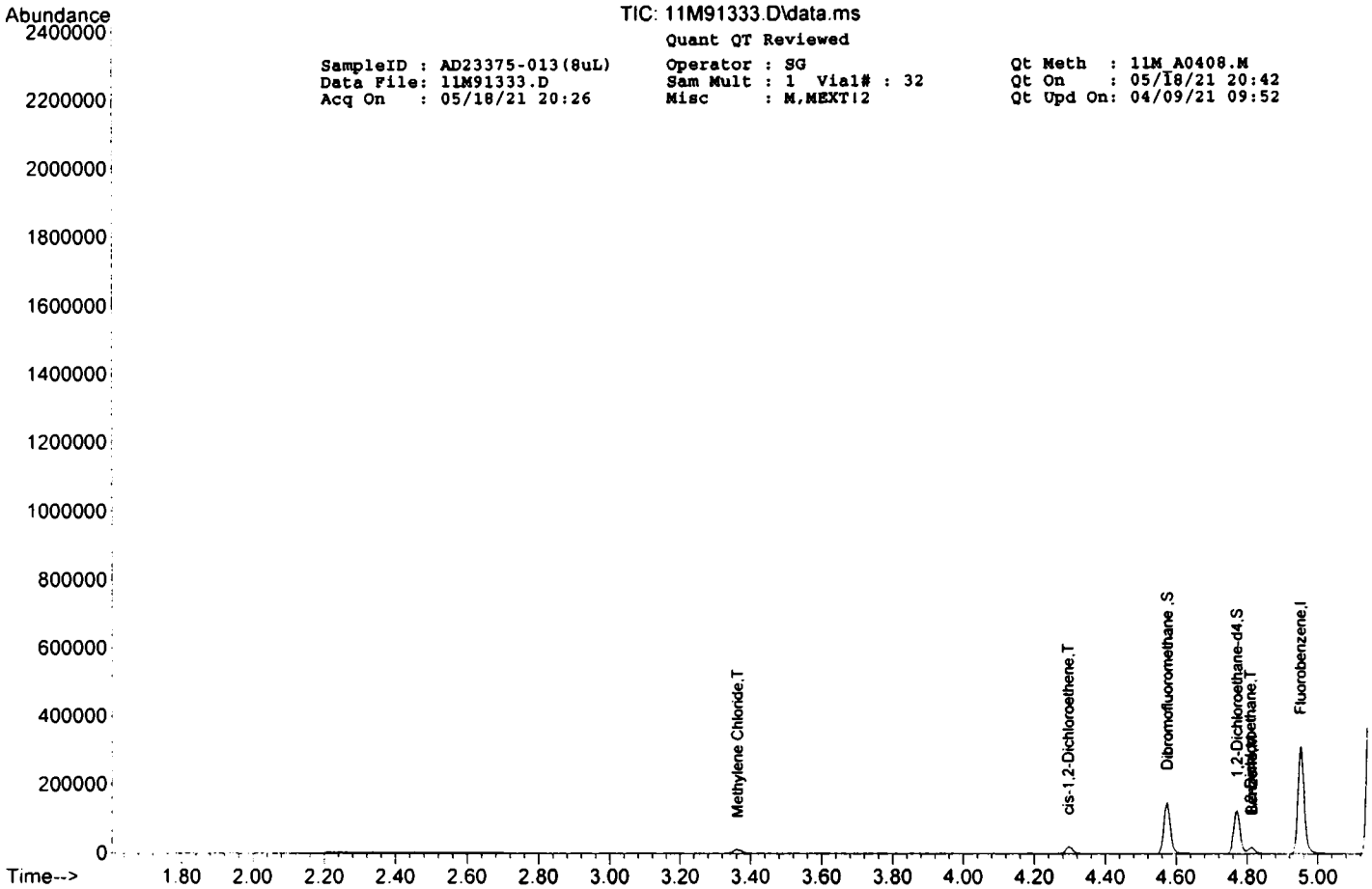
U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

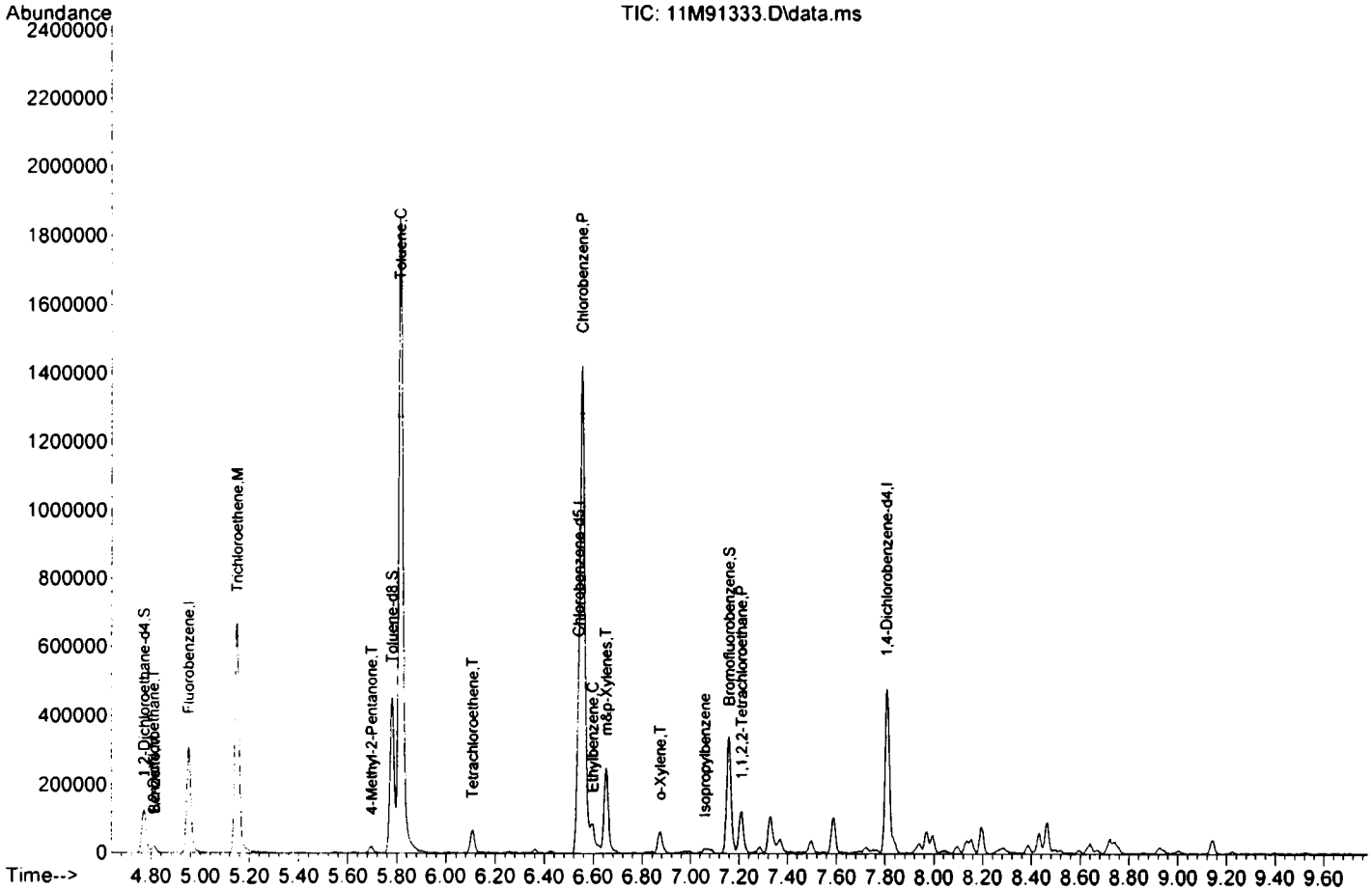
SampleID : AD23375-013(8uL) Operator : SG Qt Meth : 11M_A0408.M
Data File: 11M91333.D Sam Mult : 1 Vial# : 32 Qt On : 05/18/21 20:42
Acq On : 05/18/21 20:26 Misc : M,MEXT!2 Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-18-21\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.951	96	191729	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	184460	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.807	152	98102	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.575	111	56758	30.66	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.20%			
39) 1,2-Dichloroethane-d4	4.771	67	28056	34.24	ug/l	0.00
Spiked Amount 30.000			Recovery = 114.13%			
66) Toluene-d8	5.781	98	211348	28.61	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.37%			
76) Bromofluorobenzene	7.160	174	76747	29.97	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.90%			
Target Compounds						Qvalue
15) Methylene Chloride	3.363	84	5056	3.4190	ug/l	94
30) cis-1,2-Dichloroethene	4.295	61	6183	2.6821	ug/l	72
40) 1,2-Dichloroethane	4.810	62	5611	2.4913	ug/l	93
49) Trichloroethene	5.151	130	152072	77.1470	ug/l	95
50) Benzene	4.813	78	2531	0.4058	ug/l	100
63) 4-Methyl-2-Pentanone	5.697	43	8104	5.2788	ug/l	83
65) Tetrachloroethene	6.109	164	10109	5.6795	ug/l	87
67) Toluene	5.816	92	559661	124.6521	ug/l	99
69) Chlorobenzene	6.556	112	563810	108.6588	ug/l	100
74) Ethylbenzene	6.598	106	8153	3.4612	ug/l	91
75) 1,1,2,2-Tetrachloroethane	7.212	83	43109	18.6045	ug/l	91
78) m&p-Xylenes	6.652	106	53875	17.7652	ug/l	90
79) o-Xylene	6.874	106	13574	4.0803	ug/l	75
84) Isopropylbenzene	7.061	105	3960	0.5122	ug/l	97

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


TIC: 11M91333.D\data.ms
Quant QT Reviewed
SampleID : AD23375-013(8uL)
Data File: 11M91333.D
Acq On : 05/18/21 20:26
Operator : SG
Sam Mult : 1 Vial# : 32
Misc : M,MEXT12
Qt Meth : 11M_A0408.M
Qt On : 05/18/21 20:42
Qt Upd On: 04/09/21 09:52
Abundance
Time-->
Methylene Chloride,T
cis-1,2-Dichloroethene,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I


TIC: 11M91333.D\data.ms
Abundance
Time-->
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
Tetrachloroethene,T
Chlorobenzene,P
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Isopropylbenzene
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,P
1,4-Dichlorobenzene-d4,I

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23375-014(80uL)
Client Id: HSI-SB-15(8.5')
Data File: 11M91355.D
Analysis Date: 05/19/21 04:19
Date Rec/Extracted: 05/13/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 6.91g:10ml
Final Vol: NA
Dilution: 724
Solids: 80

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.32	0.90	U	56-23-5	Carbon Tetrachloride	0.29	0.90	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**0.41**	**0.90**	**60**	**108-90-7**	**Chlorobenzene**	**0.30**	**0.90**	**240**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.66	0.90	U	75-00-3	Chloroethane	0.52	0.90	U
79-00-5	**1,1,2-Trichloroethane**	**0.29**	**0.90**	**1.1**	67-66-3	Chloroform	1.8	1.8	U
75-34-3	1,1-Dichloroethane	0.39	0.90	U	74-87-3	Chloromethane	0.47	0.90	U
75-35-4	1,1-Dichloroethene	0.48	0.90	U	**156-59-2**	**cis-1,2-Dichloroethene**	**0.57**	**0.90**	**29**
87-61-6	1,2,3-Trichlorobenzene	0.71	0.90	U	10061-01-5	cis-1,3-Dichloropropene	0.29	0.90	U
120-82-1	1,2,4-Trichlorobenzene	0.66	0.90	U	110-82-7	Cyclohexane	0.44	0.90	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.75	0.90	U	124-48-1	Dibromochloromethane	0.22	0.90	U
106-93-4	1,2-Dibromoethane	0.31	0.90	U	75-71-8	Dichlorodifluoromethane	0.56	0.90	U
95-50-1	1,2-Dichlorobenzene	0.29	0.90	U	**100-41-4**	**Ethylbenzene**	**0.42**	**0.90**	**5.9**
107-06-2	**1,2-Dichloroethane**	**0.58**	**0.58**	**34**	**98-82-8**	**Isopropylbenzene**	**0.45**	**0.90**	**0.61J**
78-87-5	1,2-Dichloropropane	0.27	0.90	U	**179601-23-1**	**m&p-Xylenes**	**0.77**	**0.90**	**29**
541-73-1	1,3-Dichlorobenzene	0.34	0.90	U	79-20-9	Methyl Acetate	0.64	0.90	U
106-46-7	1,4-Dichlorobenzene	0.33	0.90	U	108-87-2	Methylcyclohexane	0.56	0.90	U
123-91-1	1,4-Dioxane	36	45	U	**75-09-2**	**Methylene Chloride**	**0.27**	**0.90**	**51**
78-93-3	2-Butanone	0.68	0.90	U	1634-04-4	Methyl-t-butyl ether	0.28	0.45	U
591-78-6	2-Hexanone	0.54	0.90	U	**95-47-6**	**o-Xylene**	**0.62**	**0.90**	**6.7**
108-10-1	**4-Methyl-2-Pentanone**	**0.44**	**0.90**	**94**	100-42-5	Styrene	0.49	0.90	U
67-64-1	Acetone	4.1	4.5	U	**127-18-4**	**Tetrachloroethene**	**0.32**	**0.90**	**8.0**
71-43-2	**Benzene**	**0.27**	**0.45**	**2.1**	**108-88-3**	**Toluene**	**0.29**	**0.90**	**370**
74-97-5	Bromochloromethane	0.71	0.90	U	**156-60-5**	**trans-1,2-Dichloroethene**	**0.28**	**0.90**	**2.3**
75-27-4	Bromodichloromethane	0.31	0.90	U	10061-02-6	trans-1,3-Dichloropropene	0.28	0.90	U
75-25-2	Bromoform	0.49	0.90	U	**79-01-6**	**Trichloroethene**	**0.31**	**0.90**	**250**
74-83-9	Bromomethane	0.45	0.90	U	75-69-4	Trichlorofluoromethane	0.28	0.90	U
75-15-0	Carbon Disulfide	0.38	0.90	U	75-01-4	Vinyl Chloride	0.64	0.90	U
1330-20-7	**Xylenes (Total)**	**0.62**	**0.90**	**36**					

Worksheet #: 593069

Total Target Concentration 1200

ColumnID: (^) Indicates results from 2nd column

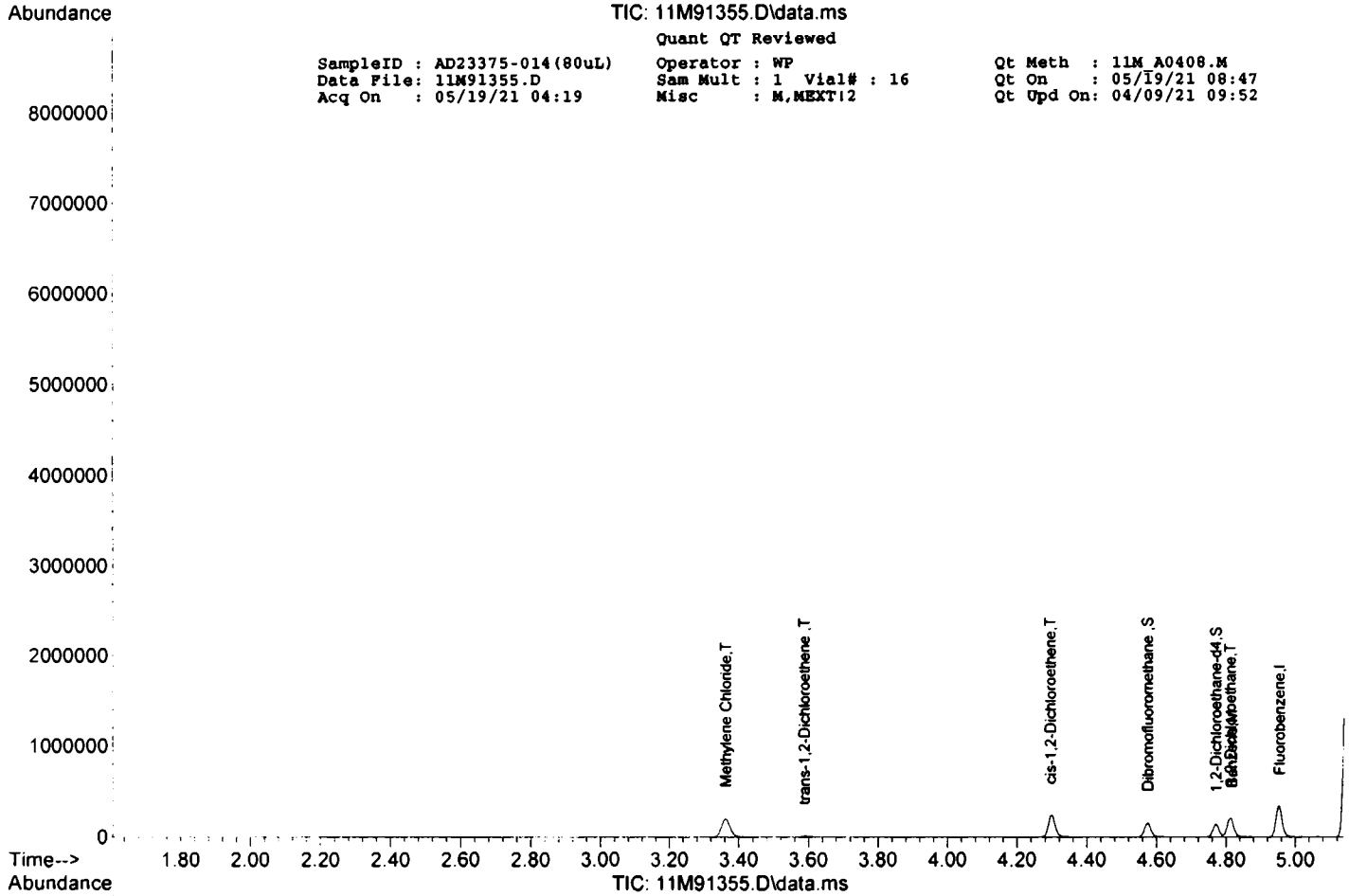
U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

SampleID : AD23375-014(80uL) Operator : WP Qt Meth : 11M_A0408.M
Data File: 11M91355.D Sam Mult : 1 Vial# : 16 Qt On : 05/19/21 08:47
Acq On : 05/19/21 04:19 Misc : M,MEXT!2 Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-1821\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.955	96	214945	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.543	117	211437	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.810	152	106261	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.575	111	61334	29.55	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.50%			
39) 1,2-Dichloroethane-d4	4.771	67	31714	34.52	ug/l	0.00
Spiked Amount 30.000			Recovery = 115.07%			
66) Toluene-d8	5.784	98	237258	28.02	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.40%			
76) Bromofluorobenzene	7.160	174	84465	30.45	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.50%			
Target Compounds						Qvalue
15) Methylene Chloride	3.363	84	92802	55.9769	ug/l	92
28) trans-1,2-Dichloroethene	3.588	96	4640	2.5754	ug/l	74
30) cis-1,2-Dichloroethene	4.295	61	81972	31.7182	ug/l	79
40) 1,2-Dichloroethane	4.813	62	94637	37.4799	ug/l	98
49) Trichloroethene	5.151	130	598635	270.8895	ug/l	99
50) Benzene	4.816	78	16210	2.3180	ug/l	100
60) 1,1,2-Trichloroethane	6.009	97	2322	1.1783	ug/l	70
63) 4-Methyl-2-Pentanone	5.694	43	181999	103.4252	ug/l	98
65) Tetrachloroethene	6.109	164	17949	8.7976	ug/l	89
67) Toluene	5.820	92	2106473	409.3095	ug/l	98
69) Chlorobenzene	6.559	112	1555181	261.4775	ug/l	98
74) Ethylbenzene	6.594	106	16544	6.4842	ug/l	96
75) 1,1,2,2-Tetrachloroethane	7.212	83	166730	66.4305	ug/l	96
78) m&p-Xylenes	6.652	106	103944	31.6437	ug/l	88
79) o-Xylene	6.874	106	26787	7.4339	ug/l	97
84) Isopropylbenzene	7.061	105	5606	0.6694	ug/l	89

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


Abundance
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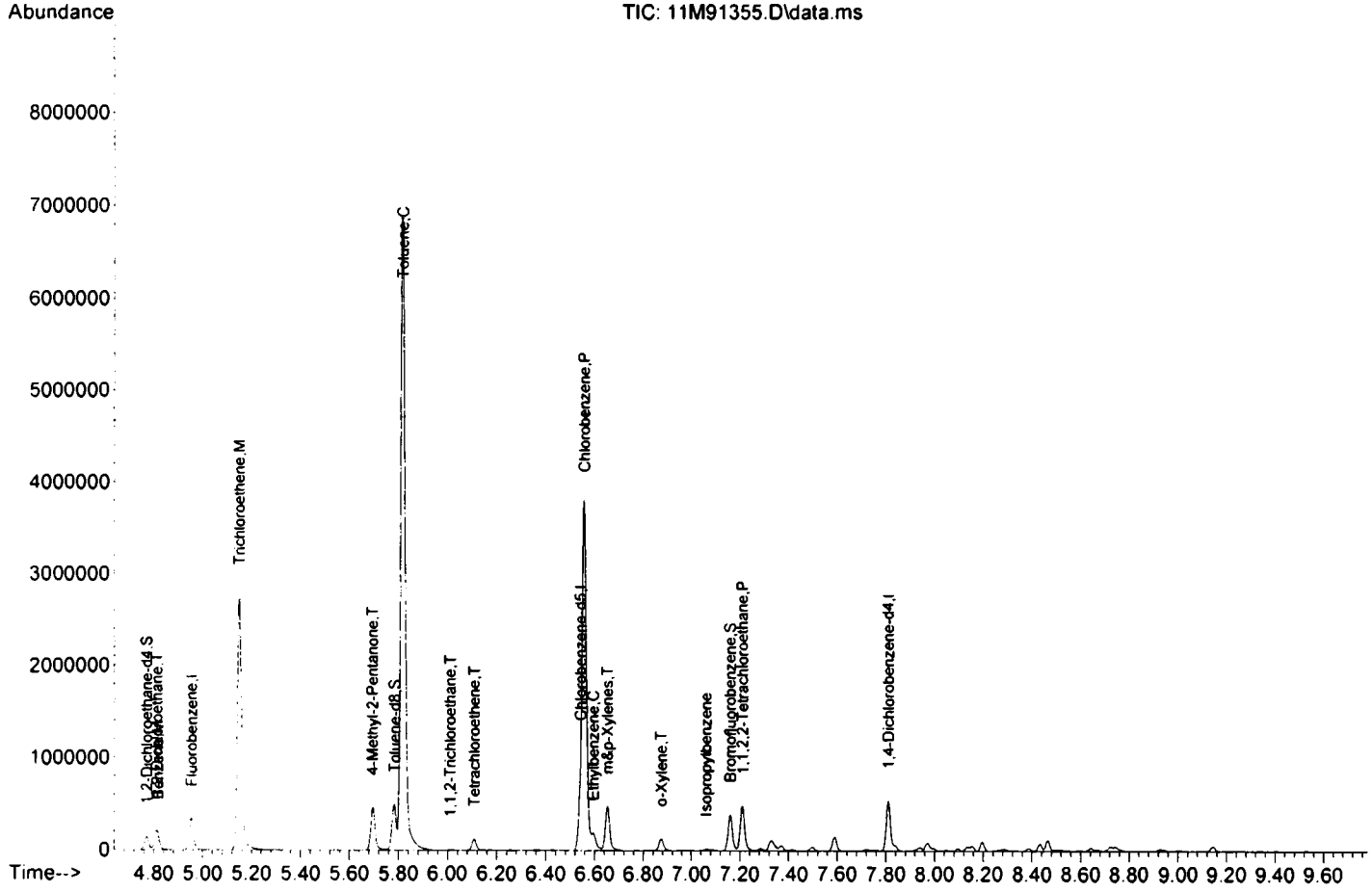
Quant QT Reviewed
SampleID : AD23375-014(80uL)
Data File: 11M91355.D
Acq On : 05/19/21 04:19
Operator : WP
Sam Mult : 1 Vial# : 16
Misc : M,MEXT12
Qt Meth : 11M A0408.M
Qt On : 05/19/21 08:47
Qt Upd On: 04/09/21 09:52
Methylene Chloride,T
trans-1,2-Dichloroethene,T
cis-1,2-Dichloroethene,T
Dibromofluoromethane,S
Fluorobenzene,I
Time-->


Abundance
TIC: 11M91355.D\data.ms
Trichloroethene,M
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
1,1,2-Trichloroethane,T
Tetrachloroethene,T
Chlorobenzene,P
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Isopropylbenzene
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,P
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23375-015
Client Id: HSI-SB-15(10')
Data File: 11M91354.D
Analysis Date: 05/19/21 03:57
Date Rec/Extracted: 05/13/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 7.31g:10ml
Final Vol: NA
Dilution: 68.4
Solids: 85

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.029	0.080	U	56-23-5	Carbon Tetrachloride	0.026	0.080	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**0.036**	**0.080**	**0.83**	**108-90-7**	**Chlorobenzene**	**0.027**	**0.080**	**4.9**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.059	0.080	U	75-00-3	Chloroethane	0.047	0.080	U
79-00-5	1,1,2-Trichloroethane	0.026	0.080	U	67-66-3	Chloroform	0.16	0.16	U
75-34-3	1,1-Dichloroethane	0.034	0.080	U	74-87-3	Chloromethane	0.042	0.080	U
75-35-4	1,1-Dichloroethene	0.043	0.080	U	**156-59-2**	**cis-1,2-Dichloroethene**	**0.051**	**0.080**	**7.7**
87-61-6	1,2,3-Trichlorobenzene	0.063	0.080	U	10061-01-5	cis-1,3-Dichloropropene	0.026	0.080	U
120-82-1	1,2,4-Trichlorobenzene	0.059	0.080	U	110-82-7	Cyclohexane	0.039	0.080	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.067	0.080	U	124-48-1	Dibromochloromethane	0.019	0.080	U
106-93-4	1,2-Dibromoethane	0.028	0.080	U	75-71-8	Dichlorodifluoromethane	0.050	0.080	U
95-50-1	1,2-Dichlorobenzene	0.026	0.080	U	**100-41-4**	**Ethylbenzene**	**0.038**	**0.080**	**0.11**
107-06-2	**1,2-Dichloroethane**	**0.051**	**0.051**	**1.1**	98-82-8	Isopropylbenzene	0.040	0.080	U
78-87-5	1,2-Dichloropropane	0.024	0.080	U	**179601-23-1**	**m&p-Xylenes**	**0.068**	**0.080**	**0.52**
541-73-1	1,3-Dichlorobenzene	0.030	0.080	U	79-20-9	Methyl Acetate	0.057	0.080	U
106-46-7	1,4-Dichlorobenzene	0.029	0.080	U	108-87-2	Methylcyclohexane	0.049	0.080	U
123-91-1	1,4-Dioxane	3.2	4.0	U	75-09-2	Methylene Chloride	0.024	0.080	U
78-93-3	2-Butanone	0.060	0.080	U	1634-04-4	Methyl-t-butyl ether	0.025	0.040	U
591-78-6	2-Hexanone	0.048	0.080	U	**95-47-6**	**o-Xylene**	**0.055**	**0.080**	**0.13**
108-10-1	**4-Methyl-2-Pentanone**	**0.039**	**0.080**	**4.1**	100-42-5	Styrene	0.044	0.080	U
67-64-1	Acetone	0.37	0.40	U	**127-18-4**	**Tetrachloroethene**	**0.029**	**0.080**	**0.060J**
71-43-2	**Benzene**	**0.024**	**0.040**	**0.14**	**108-88-3**	**Toluene**	**0.026**	**0.080**	**9.7**
74-97-5	Bromochloromethane	0.063	0.080	U	**156-60-5**	**trans-1,2-Dichloroethene**	**0.025**	**0.080**	**0.22**
75-27-4	Bromodichloromethane	0.028	0.080	U	10061-02-6	trans-1,3-Dichloropropene	0.025	0.080	U
75-25-2	Bromoform	0.044	0.080	U	**79-01-6**	**Trichloroethene**	**0.028**	**0.080**	**0.085**
74-83-9	Bromomethane	0.040	0.080	U	75-69-4	Trichlorofluoromethane	0.025	0.080	U
75-15-0	Carbon Disulfide	0.034	0.080	U	**75-01-4**	**Vinyl Chloride**	**0.057**	**0.080**	**0.63**
1330-20-7	**Xylenes (Total)**	**0.055**	**0.080**	**0.65**					

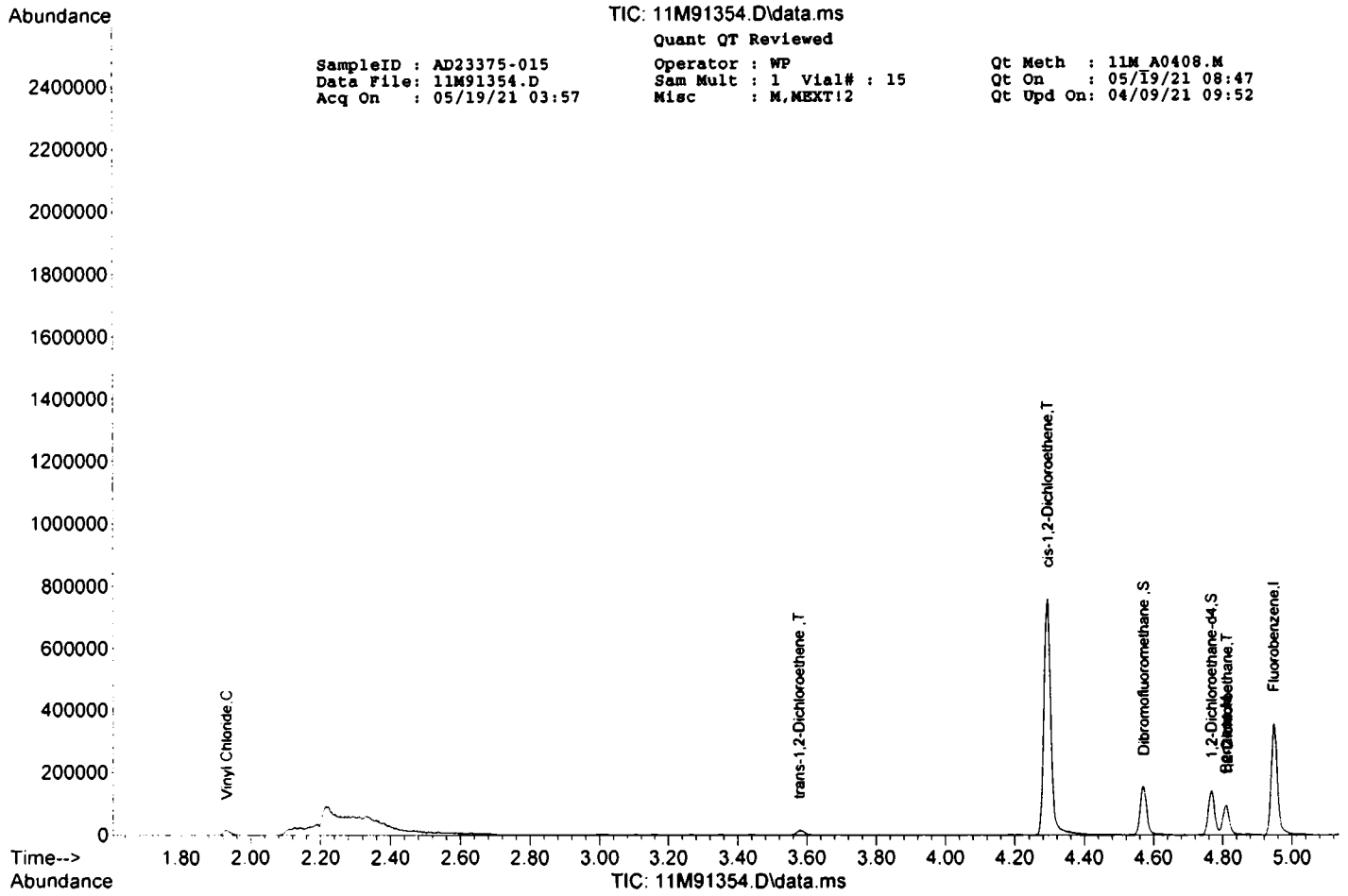
U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

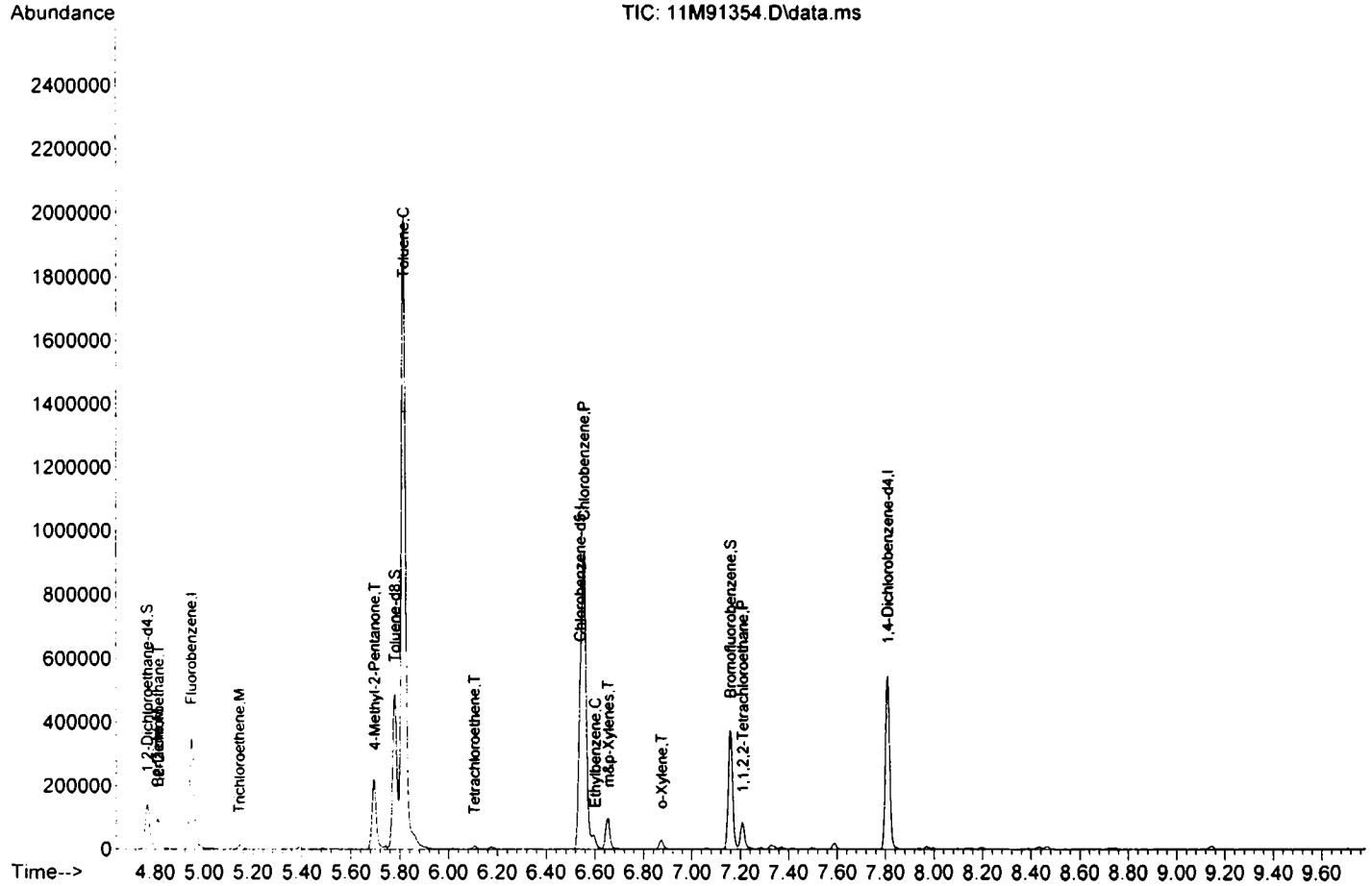
SampleID : AD23375-015 Operator : WP Qt Meth : 11M_A0408.M
Data File: 11M91354.D Sam Mult : 1 Vial# : 15 Qt On : 05/19/21 08:47
Acq On : 05/19/21 03:57 Misc : M,MEXT!2 Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-1821\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.948	96	222360	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	202049	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.810	152	109945	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.572	111	60887	28.36	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.53%			
39) 1,2-Dichloroethane-d4	4.768	67	32479	34.18	ug/l	0.00
Spiked Amount 30.000			Recovery = 113.93%			
66) Toluene-d8	5.781	98	239283	29.57	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.57%			
76) Bromofluorobenzene	7.160	174	84933	29.59	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.63%			
Target Compounds						Qvalue
9) Vinyl Chloride	1.931	62	14802	7.8220	ug/l	92
28) trans-1,2-Dichloroethene	3.578	96	5090	2.7310	ug/l	68
30) cis-1,2-Dichloroethene	4.295	61	255525	95.5756	ug/l	73
40) 1,2-Dichloroethane	4.813	62	35544	13.6074	ug/l	92
49) Trichloroethene	5.144	130	2411	1.0546	ug/l	94
50) Benzene	4.810	78	12475	1.7244	ug/l	100
63) 4-Methyl-2-Pentanone	5.697	43	86325	51.3355	ug/l	97
65) Tetrachloroethene	6.106	164	1447	0.7422	ug/l	62
67) Toluene	5.816	92	593214	120.6234	ug/l	100
69) Chlorobenzene	6.556	112	344722	60.6522	ug/l	100
74) Ethylbenzene	6.601	106	3500m	1.3258	ug/l	
75) 1,1,2,2-Tetrachloroethane	7.212	83	26892	10.3556	ug/l	90
78) m&p-Xylenes	6.655	106	22124m	6.5095	ug/l	
79) o-Xylene	6.874	106	5954	1.5970	ug/l	76

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


Abundance
TIC: 11M91354.D\data.ms
Quant QT Reviewed
SampleID : AD23375-015
Data File: 11M91354.D
Acq On : 05/19/21 03:57
Operator : WP
Sam Mult : 1 Vial# : 15
Misc : M,MEXT!2
Qt Meth : 11M_A0408.M
Qt On : 05/19/21 08:47
Qt Upd On: 04/09/21 09:52
Vinyl Chloride,C
trans-1,2-Dichloroethene,T
cis-1,2-Dichloroethene,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Time-->


Abundance
TIC: 11M91354.D\data.ms
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
Tetrachloroethene,T
Chlorobenzene-d5,I
Chlorobenzene,P
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,P
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23375-016
Client Id: HSI-SB-15(12.5')
Data File: 11M91419.D
Analysis Date: 05/20/21 02:57
Date Rec/Extracted: 05/13/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 7.49g:10ml
Final Vol: NA
Dilution: 66.8
Solids: 86

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.028	0.078	U	56-23-5	Carbon Tetrachloride	0.025	0.078	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**0.035**	**0.078**	**0.79**	**108-90-7**	**Chlorobenzene**	**0.026**	**0.078**	**4.4**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.056	0.078	U	75-00-3	Chloroethane	0.045	0.078	U
79-00-5	1,1,2-Trichloroethane	0.025	0.078	U	67-66-3	Chloroform	0.15	0.15	U
75-34-3	1,1-Dichloroethane	0.033	0.078	U	74-87-3	Chloromethane	0.040	0.078	U
75-35-4	1,1-Dichloroethene	0.041	0.078	U	**156-59-2**	**cis-1,2-Dichloroethene**	**0.049**	**0.078**	**7.6**
87-61-6	1,2,3-Trichlorobenzene	0.061	0.078	U	10061-01-5	cis-1,3-Dichloropropene	0.025	0.078	U
120-82-1	1,2,4-Trichlorobenzene	0.056	0.078	U	110-82-7	Cyclohexane	0.038	0.078	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.065	0.078	U	124-48-1	Dibromochloromethane	0.019	0.078	U
106-93-4	1,2-Dibromoethane	0.027	0.078	U	75-71-8	Dichlorodifluoromethane	0.048	0.078	U
95-50-1	1,2-Dichlorobenzene	0.025	0.078	U	**100-41-4**	**Ethylbenzene**	**0.036**	**0.078**	**0.10**
107-06-2	**1,2-Dichloroethane**	**0.050**	**0.050**	**1.3**	98-82-8	Isopropylbenzene	0.038	0.078	U
78-87-5	1,2-Dichloropropane	0.023	0.078	U	**179601-23-1**	**m&p-Xylenes**	**0.066**	**0.078**	**0.50**
541-73-1	1,3-Dichlorobenzene	0.029	0.078	U	79-20-9	Methyl Acetate	0.055	0.078	U
106-46-7	1,4-Dichlorobenzene	0.028	0.078	U	108-87-2	Methylcyclohexane	0.048	0.078	U
123-91-1	1,4-Dioxane	3.1	3.9	U	**75-09-2**	**Methylene Chloride**	**0.023**	**0.078**	**0.13**
78-93-3	2-Butanone	0.058	0.078	U	1634-04-4	Methyl-t-butyl ether	0.024	0.039	U
591-78-6	2-Hexanone	0.047	0.078	U	**95-47-6**	**o-Xylene**	**0.053**	**0.078**	**0.13**
108-10-1	**4-Methyl-2-Pentanone**	**0.038**	**0.078**	**3.8**	100-42-5	Styrene	0.042	0.078	U
67-64-1	Acetone	0.36	0.39	U	**127-18-4**	**Tetrachloroethene**	**0.028**	**0.078**	**0.064J**
71-43-2	**Benzene**	**0.023**	**0.039**	**0.12**	**108-88-3**	**Toluene**	**0.025**	**0.078**	**8.6**
74-97-5	Bromochloromethane	0.061	0.078	U	**156-60-5**	**trans-1,2-Dichloroethene**	**0.024**	**0.078**	**0.26**
75-27-4	Bromodichloromethane	0.027	0.078	U	10061-02-6	trans-1,3-Dichloropropene	0.024	0.078	U
75-25-2	Bromoform	0.042	0.078	U	**79-01-6**	**Trichloroethene**	**0.027**	**0.078**	**0.42**
74-83-9	Bromomethane	0.039	0.078	U	75-69-4	Trichlorofluoromethane	0.024	0.078	U
75-15-0	Carbon Disulfide	0.033	0.078	U	**75-01-4**	**Vinyl Chloride**	**0.055**	**0.078**	**0.55**
1330-20-7	**Xylenes (Total)**	**0.053**	**0.078**	**0.63**					

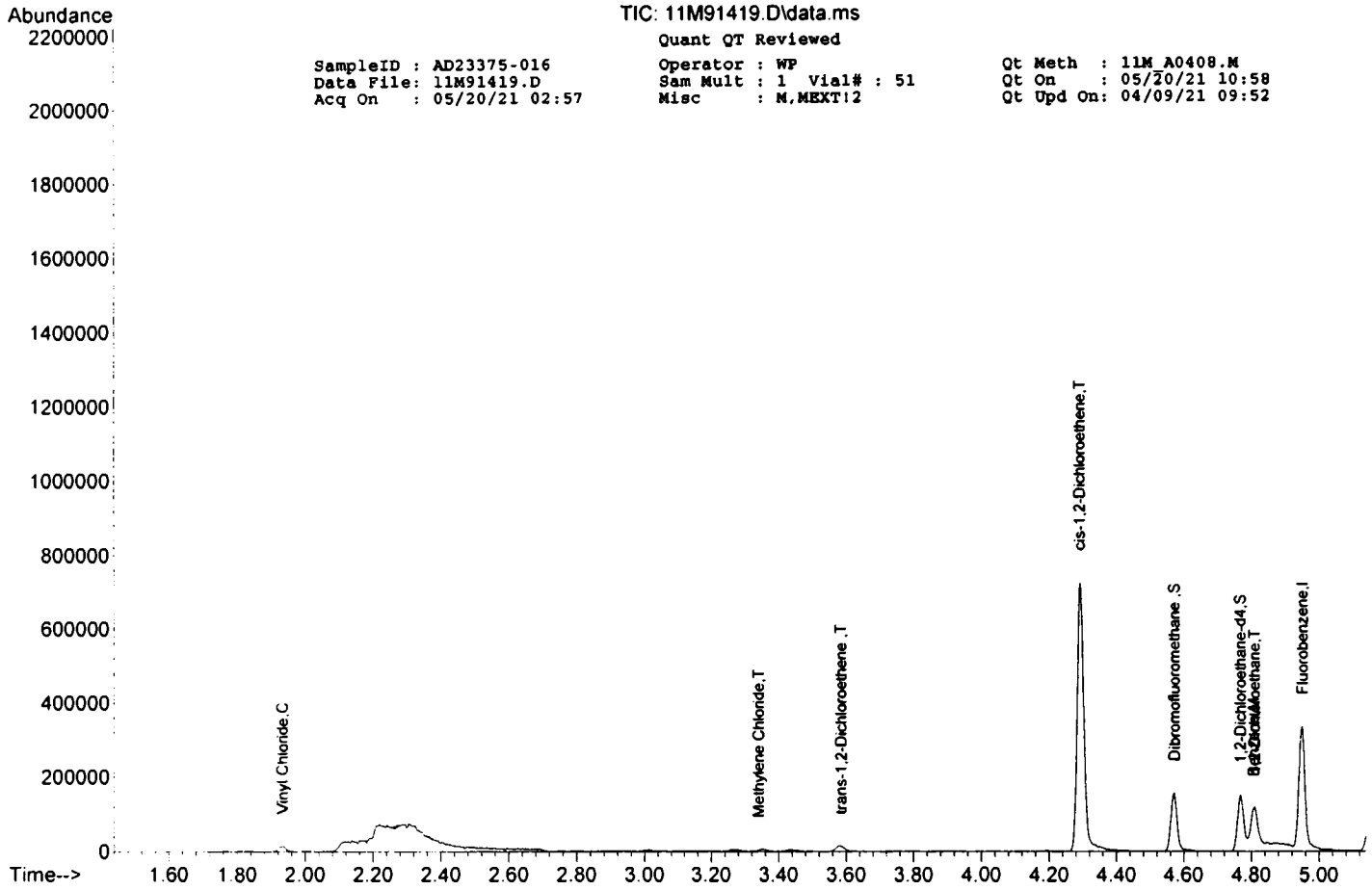
U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

SampleID : AD23375-016 Operator : WP Qt Meth : 11M_A0408.M
Data File: 11M91419.D Sam Mult : 1 Vial# : 51 Qt On : 05/20/21 10:58
Acq On : 05/20/21 02:57 Misc : M,MEXT!2 Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-19-21\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.951	96	209130	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	194668	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.807	152	104225	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.572	111	58025	28.73	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.77%			
39) 1,2-Dichloroethane-d4	4.768	67	29762	33.30	ug/l	0.00
Spiked Amount 30.000			Recovery = 111.00%			
66) Toluene-d8	5.781	98	227133	29.14	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.13%			
76) Bromofluorobenzene	7.160	174	82501	30.32	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.07%			
Target Compounds						Qvalue
9) Vinyl Chloride	1.934	62	12598	7.0785	ug/l	92
15) Methylene Chloride	3.341	84	2663m	1.6509	ug/l	
28) trans-1,2-Dichloroethene	3.585	96	5776m	3.2951	ug/l	
30) cis-1,2-Dichloroethene	4.292	61	247103	98.2725	ug/l	78
40) 1,2-Dichloroethane	4.810	62	39953	16.2629	ug/l	96
49) Trichloroethene	5.148	130	11718	5.4500	ug/l	90
50) Benzene	4.807	78	10679	1.5696	ug/l	100
63) 4-Methyl-2-Pentanone	5.694	43	79936	49.3385	ug/l	94
65) Tetrachloroethene	6.106	164	1560	0.8305	ug/l	68
67) Toluene	5.816	92	526019	111.0155	ug/l	95
69) Chlorobenzene	6.556	112	309663	56.5496	ug/l	99
74) Ethylbenzene	6.594	106	3359	1.3422	ug/l	89
75) 1,1,2,2-Tetrachloroethane	7.212	83	25178	10.2277	ug/l	89
78) m&p-Xylenes	6.652	106	20755m	6.4419	ug/l	
79) o-Xylene	6.871	106	5805	1.6425	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed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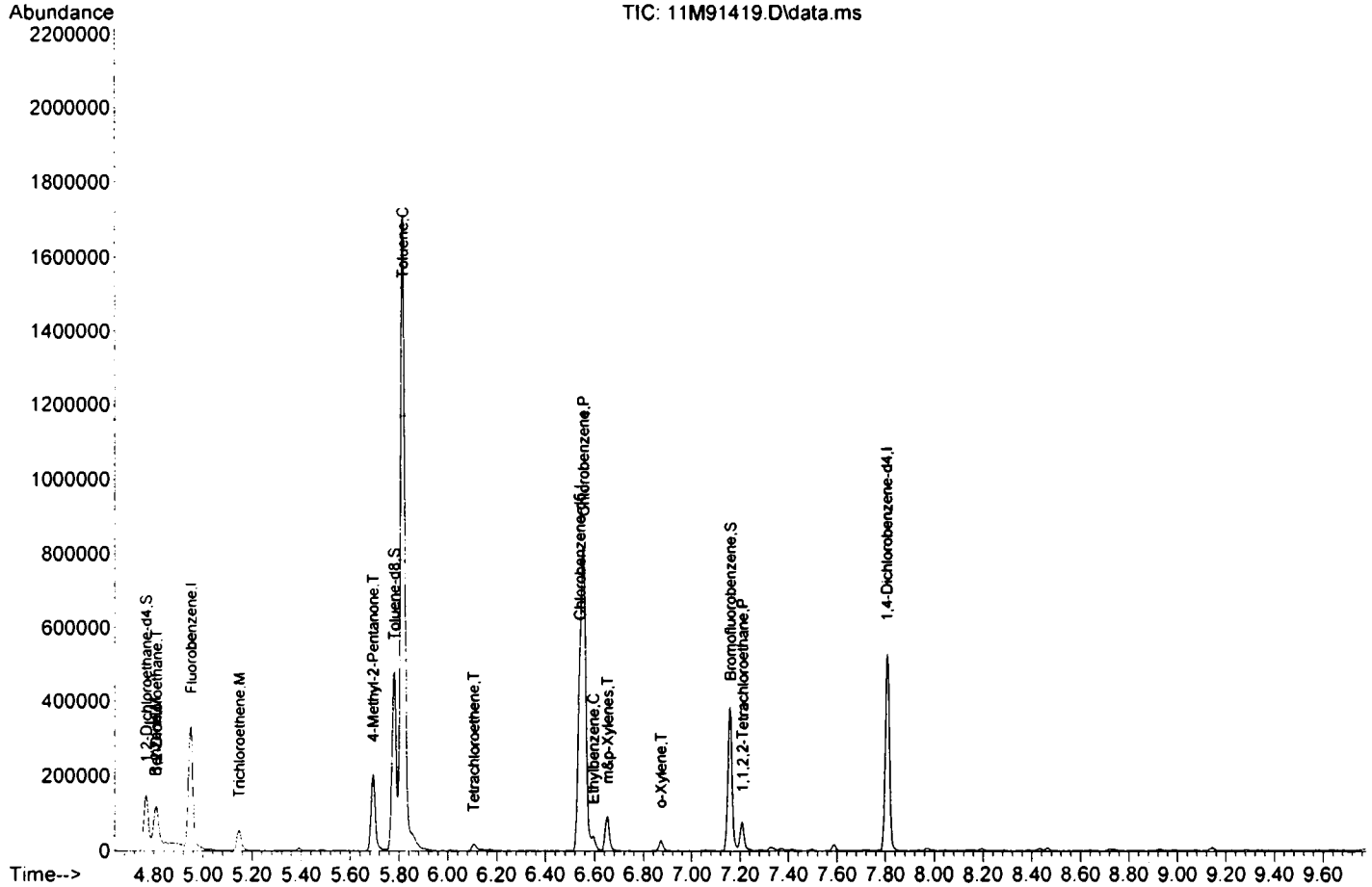
Quant QT Reviewed
SampleID : AD23375-016
Data File: 11M91419.D
Acq On : 05/20/21 02:57
Operator : WP
Sam Mult : 1 Vial# : 51
Misc : M,MEXT!2
Qt Meth : 11M_A0408.M
Qt On : 05/20/21 10:58
Qt Upd On: 04/09/21 09:52
Abundance
Time-->
Vinyl Chloride,C
Methylene Chloride,T
trans-1,2-Dichloroethene ,T
cis-1,2-Dichloroethene,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I


TIC: 11M91419.D\data.ms
Abundance
Time-->
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
Tetrachloroethene,T
Chlorobenzene-d5,P
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,P
1,4-Dichlorobenzene-d4,I

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23375-017
Client Id: HSI-SB-15(14')
Data File: 11M91494.D
Analysis Date: 05/21/21 05:50
Date Rec/Extracted: 05/13/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 7.67g:10ml
Final Vol: NA
Dilution: 65.2
Solids: 78

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.030	0.084	U	56-23-5	Carbon Tetrachloride	0.027	0.084	U
79-34-5	1,1,2,2-Tetrachloroethane	0.037	0.084	U	**108-90-7**	**Chlorobenzene**	**0.028**	**0.084**	**0.91**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.061	0.084	U	75-00-3	Chloroethane	0.048	0.084	U
79-00-5	1,1,2-Trichloroethane	0.027	0.084	U	67-66-3	Chloroform	0.16	0.16	U
75-34-3	1,1-Dichloroethane	0.036	0.084	U	74-87-3	Chloromethane	0.043	0.084	U
75-35-4	1,1-Dichloroethene	0.045	0.084	U	**156-59-2**	**cis-1,2-Dichloroethene**	**0.053**	**0.084**	**0.43**
87-61-6	1,2,3-Trichlorobenzene	0.066	0.084	U	10061-01-5	cis-1,3-Dichloropropene	0.027	0.084	U
120-82-1	1,2,4-Trichlorobenzene	0.061	0.084	U	110-82-7	Cyclohexane	0.041	0.084	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.070	0.084	U	124-48-1	Dibromochloromethane	0.020	0.084	U
106-93-4	1,2-Dibromoethane	0.029	0.084	U	75-71-8	Dichlorodifluoromethane	0.052	0.084	U
95-50-1	1,2-Dichlorobenzene	0.027	0.084	U	100-41-4	Ethylbenzene	0.039	0.084	U
107-06-2	**1,2-Dichloroethane**	**0.053**	**0.053**	**0.15**	98-82-8	Isopropylbenzene	0.041	0.084	U
78-87-5	1,2-Dichloropropane	0.025	0.084	U	**179601-23-1**	**m&p-Xylenes**	**0.071**	**0.084**	**0.10**
541-73-1	1,3-Dichlorobenzene	0.031	0.084	U	79-20-9	Methyl Acetate	0.059	0.084	U
106-46-7	1,4-Dichlorobenzene	0.031	0.084	U	108-87-2	Methylcyclohexane	0.051	0.084	U
123-91-1	1,4-Dioxane	3.3	4.2	U	**75-09-2**	**Methylene Chloride**	**0.025**	**0.084**	**0.44**
78-93-3	2-Butanone	0.063	0.084	U	1634-04-4	Methyl-t-butyl ether	0.026	0.042	U
591-78-6	2-Hexanone	0.050	0.084	U	95-47-6	o-Xylene	0.057	0.084	U
108-10-1	4-Methyl-2-Pentanone	0.041	0.084	U	100-42-5	Styrene	0.045	0.084	U
67-64-1	Acetone	0.38	0.42	U	**127-18-4**	**Tetrachloroethene**	**0.030**	**0.084**	**0.039J**
71-43-2	Benzene	0.025	0.042	U	**108-88-3**	**Toluene**	**0.027**	**0.084**	**1.4**
74-97-5	Bromochloromethane	0.066	0.084	U	156-60-5	trans-1,2-Dichloroethene	0.026	0.084	U
75-27-4	Bromodichloromethane	0.029	0.084	U	10061-02-6	trans-1,3-Dichloropropene	0.026	0.084	U
75-25-2	Bromoform	0.045	0.084	U	**79-01-6**	**Trichloroethene**	**0.029**	**0.084**	**1.2**
74-83-9	Bromomethane	0.042	0.084	U	75-69-4	Trichlorofluoromethane	0.026	0.084	U
75-15-0	Carbon Disulfide	0.035	0.084	U	75-01-4	Vinyl Chloride	0.059	0.084	U
1330-20-7	**Xylenes (Total)**	**0.057**	**0.084**	**0.10**					

Worksheet #: 593069

Total Target Concentration 4.7

ColumnID: (^) Indicates results from 2nd column

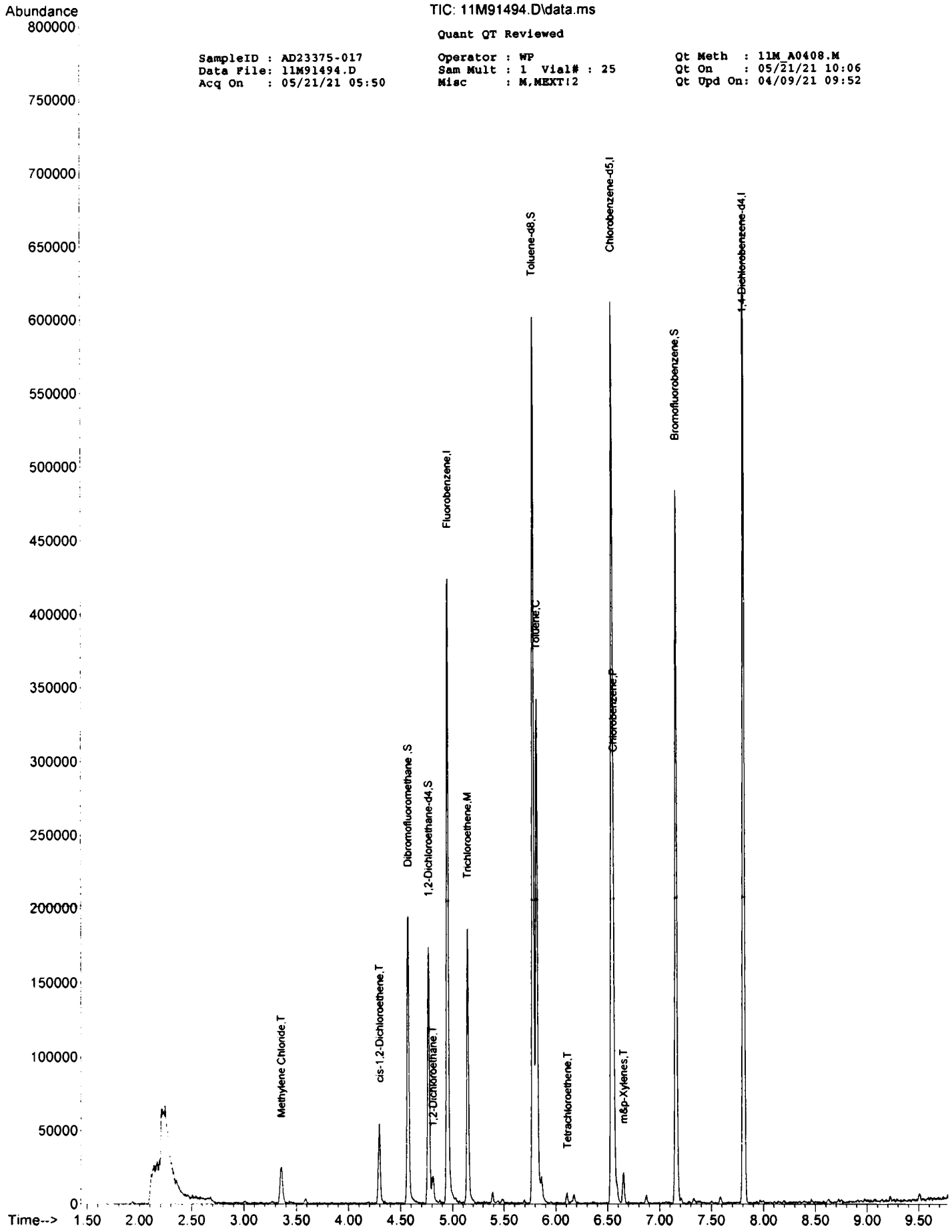
U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

SampleID : AD23375-017 Operator : WP Qt Meth : 11M_A0408.M
Data File: 11M91494.D Sam Mult : 1 Vial# : 25 Qt On : 05/21/21 10:06
Acq On : 05/21/21 05:50 Misc : M,MEXT!2 Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-2021\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.952	96	269645	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	248644	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.807	152	133906	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.572	111	73642	28.28	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.27%			
39) 1,2-Dichloroethane-d4	4.768	67	37203	32.28	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.60%			
66) Toluene-d8	5.778	98	291598	29.29	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.63%			
76) Bromofluorobenzene	7.157	174	105951	30.31	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.03%			
Target Compounds						Qvalue
15) Methylene Chloride	3.357	84	10960	5.2698	ug/l	85
30) cis-1,2-Dichloroethene	4.299	61	16496	5.0881	ug/l	76
40) 1,2-Dichloroethane	4.810	62	5762	1.8191	ug/l	78
49) Trichloroethene	5.148	130	40354	14.5563	ug/l	99
65) Tetrachloroethene	6.112	164	1120	0.4668	ug/l	75
67) Toluene	5.813	92	99334	16.4133	ug/l	97
69) Chlorobenzene	6.556	112	75908	10.8529	ug/l	99
78) m&p-Xylenes	6.652	106	5074	1.2258	ug/l	58

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


Abundance
TIC: 11M91494.D\data.ms
Quant QT Reviewed
SampleID : AD23375-017
Data File: 11M91494.D
Acq On : 05/21/21 05:50
Operator : WP
Sam Mult : 1 Vial# : 25
Misc : M,MEXT!2
Qt Meth : 11M_A0408.M
Qt On : 05/21/21 10:06
Qt Upd On: 04/09/21 09:52
Methylene Chloride,T
cis-1,2-Dichloroethene,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
1,2-Dichloroethane,T
Fluorobenzene,I
Trichloroethene,M
Toluene-d8,S
Toluene,C
Tetrachloroethene,T
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23375-018
Client Id: HSI-SB-15(16.5')
Data File: 11M91421.D
Analysis Date: 05/20/21 03:40
Date Rec/Extracted: 05/13/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 7.21g:10ml
Final Vol: NA
Dilution: 69.3
Solids: 84

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.030	0.083	U	56-23-5	Carbon Tetrachloride	0.027	0.083	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**0.037**	**0.083**	**1.8**	**108-90-7**	**Chlorobenzene**	**0.027**	**0.083**	**7.7**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.060	0.083	U	75-00-3	Chloroethane	0.048	0.083	U
79-00-5	1,1,2-Trichloroethane	0.026	0.083	U	67-66-3	Chloroform	0.16	0.16	U
75-34-3	1,1-Dichloroethane	0.035	0.083	U	74-87-3	Chloromethane	0.043	0.083	U
75-35-4	1,1-Dichloroethene	0.044	0.083	U	**156-59-2**	**cis-1,2-Dichloroethene**	**0.052**	**0.083**	**4.5**
87-61-6	1,2,3-Trichlorobenzene	0.065	0.083	U	10061-01-5	cis-1,3-Dichloropropene	0.026	0.083	U
120-82-1	1,2,4-Trichlorobenzene	0.060	0.083	U	110-82-7	Cyclohexane	0.040	0.083	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.069	0.083	U	124-48-1	Dibromochloromethane	0.020	0.083	U
106-93-4	1,2-Dibromoethane	0.028	0.083	U	75-71-8	Dichlorodifluoromethane	0.051	0.083	U
95-50-1	1,2-Dichlorobenzene	0.027	0.083	U	**100-41-4**	**Ethylbenzene**	**0.039**	**0.083**	**0.21**
107-06-2	**1,2-Dichloroethane**	**0.053**	**0.053**	**2.0**	98-82-8	Isopropylbenzene	0.041	0.083	U
78-87-5	1,2-Dichloropropane	0.025	0.083	U	**179601-23-1**	**m&p-Xylenes**	**0.070**	**0.083**	**1.0**
541-73-1	1,3-Dichlorobenzene	0.031	0.083	U	**79-20-9**	**Methyl Acetate**	**0.058**	**0.083**	**0.59**
106-46-7	1,4-Dichlorobenzene	0.030	0.083	U	108-87-2	Methylcyclohexane	0.051	0.083	U
123-91-1	1,4-Dioxane	3.2	4.1	U	**75-09-2**	**Methylene Chloride**	**0.024**	**0.083**	**1.2**
78-93-3	2-Butanone	0.062	0.083	U	1634-04-4	Methyl-t-butyl ether	0.026	0.041	U
591-78-6	2-Hexanone	0.050	0.083	U	**95-47-6**	**o-Xylene**	**0.056**	**0.083**	**0.25**
108-10-1	**4-Methyl-2-Pentanone**	**0.040**	**0.083**	**5.8**	100-42-5	Styrene	0.045	0.083	U
67-64-1	Acetone	0.38	0.41	U	**127-18-4**	**Tetrachloroethene**	**0.029**	**0.083**	**0.33**
71-43-2	**Benzene**	**0.024**	**0.041**	**0.12**	**108-88-3**	**Toluene**	**0.027**	**0.083**	**11**
74-97-5	Bromochloromethane	0.065	0.083	U	**156-60-5**	**trans-1,2-Dichloroethene**	**0.026**	**0.083**	**0.23**
75-27-4	Bromodichloromethane	0.029	0.083	U	10061-02-6	trans-1,3-Dichloropropene	0.025	0.083	U
75-25-2	Bromoform	0.045	0.083	U	**79-01-6**	**Trichloroethene**	**0.028**	**0.083**	**8.0**
74-83-9	Bromomethane	0.041	0.083	U	75-69-4	Trichlorofluoromethane	0.025	0.083	U
75-15-0	Carbon Disulfide	0.035	0.083	U	**75-01-4**	**Vinyl Chloride**	**0.058**	**0.083**	**0.11**
1330-20-7	**Xylenes (Total)**	**0.056**	**0.083**	**1.2**					

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

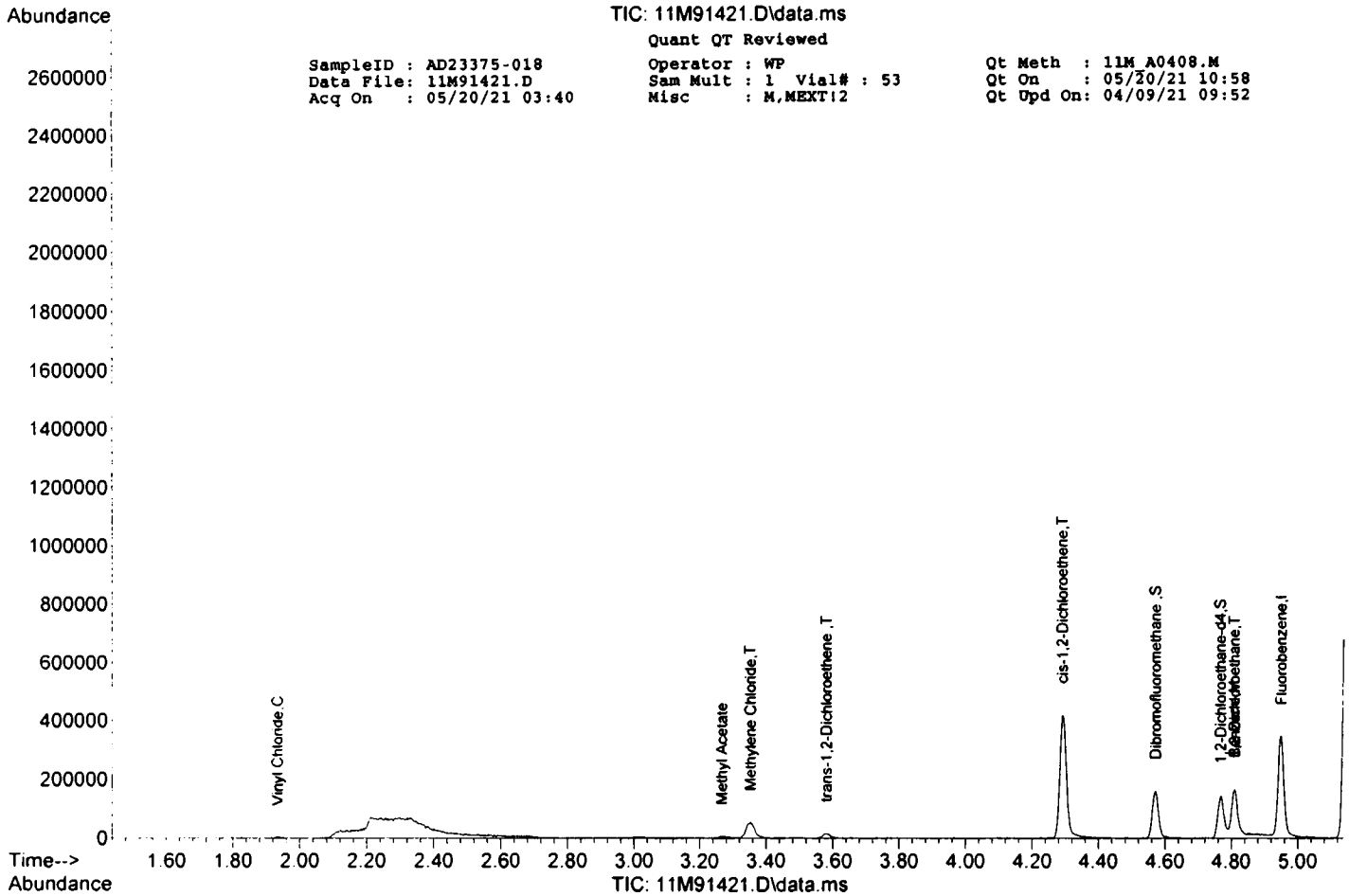
Quantitation Report (QT Reviewed)

SampleID : AD23375-018 Operator : WP Qt Meth : 11M_A0408.M
Data File: 11M91421.D Sam Mult : 1 Vial# : 53 Qt On : 05/20/21 10:58
Acq On : 05/20/21 03:40 Misc : M,MEXT!2 Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-19-21\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.951	96	218119	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	205221	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.810	152	112107	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.572	111	62660	29.75	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.17%			
39) 1,2-Dichloroethane-d4	4.768	67	30511	32.73	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.10%			
66) Toluene-d8	5.778	98	237759	28.93	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.43%			
76) Bromofluorobenzene	7.160	174	84505	28.88	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.27%			
Target Compounds						Qvalue
9) Vinyl Chloride	1.934	62	2511	1.3527	ug/l	83
15) Methylene Chloride	3.353	84	24782	14.7306	ug/l	95
25) Methyl Acetate	3.267	43	5902	7.1460	ug/l	100
28) trans-1,2-Dichloroethene	3.582	96	5128	2.8049	ug/l	91
30) cis-1,2-Dichloroethene	4.292	61	144134	54.9596	ug/l	77
40) 1,2-Dichloroethane	4.810	62	63058	24.6100	ug/l	96
49) Trichloroethene	5.147	130	218264	97.3298	ug/l	98
50) Benzene	4.810	78	10261	1.4460	ug/l	100
63) 4-Methyl-2-Pentanone	5.694	43	120574	70.5944	ug/l	99
65) Tetrachloroethene	6.106	164	7988	4.0339	ug/l	78
67) Toluene	5.816	92	641128	128.3512	ug/l	97
69) Chlorobenzene	6.556	112	536837	92.9940	ug/l	99
74) Ethylbenzene	6.598	106	6846	2.5433	ug/l	55
75) 1,1,2,2-Tetrachloroethane	7.212	83	59198	22.3564	ug/l	98
78) m&p-Xylenes	6.652	106	42159	12.1652	ug/l	87
79) o-Xylene	6.868	106	11670	3.0698	ug/l	82

(#) = qualifier out of range (m) = manual integration (+) = signals summed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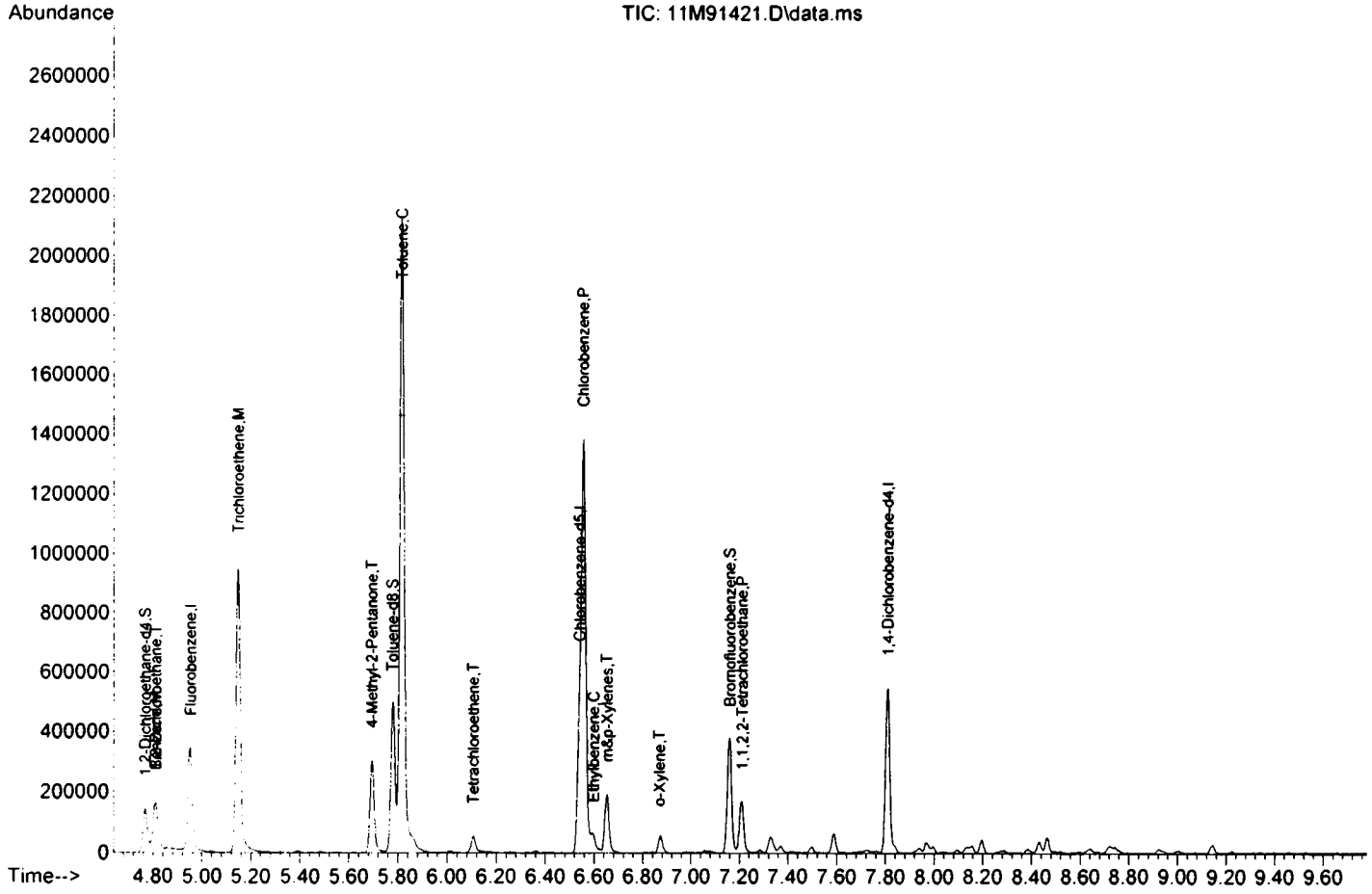
Quant QT Reviewed
SampleID : AD23375-018
Data File: 11M91421.D
Acq On : 05/20/21 03:40
Operator : WP
Sam Mult : 1 Vial# : 53
Misc : M,MEXT!2
Qt Meth : 11M_A0408.M
Qt On : 05/20/21 10:58
Qt Upd On: 04/09/21 09:52
Vinyl Chloride,C
Methyl Acetate
Methylene Chloride,T
trans-1,2-Dichloroethene ,T
cis-1,2-Dichloroethene,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Time-->


Abundance
TIC: 11M91421.D\data.ms
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
Tetrachloroethene,T
Chlorobenzene,P
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,P
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23375-019
Client Id: HSI-SB-15(18.5')
Data File: 1M148862.D
Analysis Date: 05/25/21 14:44
Date Rec/Extracted: 05/13/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 7.28g
Final Vol: NA
Dilution: 0.687
Solids: 81

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	**1,1,1-Trichloroethane**	**0.00078**	**0.0017**	**0.0013J**	**56-23-5**	**Carbon Tetrachloride**	**0.00082**	**0.0017**	**0.0010J**
79-34-5	**1,1,2,2-Tetrachloroethane**	**0.00038**	**0.0017**	**0.00071J**	**108-90-7**	**Chlorobenzene**	**0.00053**	**0.0017**	**0.065**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0012	0.0017	U	75-00-3	Chloroethane	0.0017	0.0017	U
79-00-5	1,1,2-Trichloroethane	0.00039	0.0017	U	**67-66-3**	**Chloroform**	**0.0012**	**0.0017**	**0.0019**
75-34-3	**1,1-Dichloroethane**	**0.00074**	**0.0017**	**0.0027**	74-87-3	Chloromethane	0.0010	0.0017	U
75-35-4	**1,1-Dichloroethene**	**0.00098**	**0.0017**	**0.0030**	**156-59-2**	**cis-1,2-Dichloroethene**	**0.00069**	**0.0017**	**0.020**
87-61-6	1,2,3-Trichlorobenzene	0.00047	0.0017	U	10061-01-5	cis-1,3-Dichloropropene	0.00045	0.0017	U
120-82-1	1,2,4-Trichlorobenzene	0.00053	0.0017	U	110-82-7	Cyclohexane	0.0010	0.0017	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.00047	0.0017	U	124-48-1	Dibromochloromethane	0.00036	0.0017	U
106-93-4	1,2-Dibromoethane	0.00042	0.00042	U	75-71-8	Dichlorodifluoromethane	0.0012	0.0017	U
95-50-1	**1,2-Dichlorobenzene**	**0.00043**	**0.0017**	**0.00049J**	**100-41-4**	**Ethylbenzene**	**0.00059**	**0.00085**	**0.00070J**
107-06-2	**1,2-Dichloroethane**	**0.00035**	**0.0017**	**0.0057**	98-82-8	Isopropylbenzene	0.00070	0.00085	U
78-87-5	1,2-Dichloropropane	0.00070	0.0017	U	**179601-23-1**	**m&p-Xylenes**	**0.0010**	**0.0010**	**0.0023**
541-73-1	**1,3-Dichlorobenzene**	**0.00047**	**0.0017**	**0.00069J**	79-20-9	Methyl Acetate	0.00081	0.0017	U
106-46-7	1,4-Dichlorobenzene	0.00045	0.0017	U	108-87-2	Methylcyclohexane	0.00076	0.0017	U
123-91-1	1,4-Dioxane	0.041	0.085	U	**75-09-2**	**Methylene Chloride**	**0.00064**	**0.0017**	**0.012**
78-93-3	2-Butanone	0.0010	0.0017	U	**1634-04-4**	**Methyl-t-butyl ether**	**0.00046**	**0.00085**	**0.0018**
591-78-6	2-Hexanone	0.00072	0.0017	U	**95-47-6**	**o-Xylene**	**0.00060**	**0.00085**	**0.0010**
108-10-1	4-Methyl-2-Pentanone	0.00049	0.0017	U	100-42-5	Styrene	0.00047	0.0017	U
67-64-1	Acetone	0.0057	0.0085	U	**127-18-4**	**Tetrachloroethene**	**0.00083**	**0.0017**	**0.0014J**
71-43-2	**Benzene**	**0.00062**	**0.00085**	**0.0037**	**108-88-3**	**Toluene**	**0.00056**	**0.00085**	**0.027**
74-97-5	**Bromochloromethane**	**0.00059**	**0.0017**	**0.0015J**	**156-60-5**	**trans-1,2-Dichloroethene**	**0.0010**	**0.0017**	**0.0049**
75-27-4	**Bromodichloromethane**	**0.00040**	**0.0017**	**0.00054J**	10061-02-6	trans-1,3-Dichloropropene	0.00040	0.0017	U
75-25-2	Bromoform	0.00028	0.0017	U	**79-01-6**	**Trichloroethene**	**0.00070**	**0.0017**	**0.033**
74-83-9	Bromomethane	0.0013	0.0017	U	**75-69-4**	**Trichlorofluoromethane**	**0.0010**	**0.0017**	**0.0033**
75-15-0	Carbon Disulfide	0.0029	0.0029	U	**75-01-4**	**Vinyl Chloride**	**0.0010**	**0.0017**	**0.010**
1330-20-7	**Xylenes (Total)**	**0.00060**	**0.00085**	**0.0033**					

Worksheet #: 593218

Total Target Concentration 0.21

ColumnID: (^) Indicates results from 2nd column

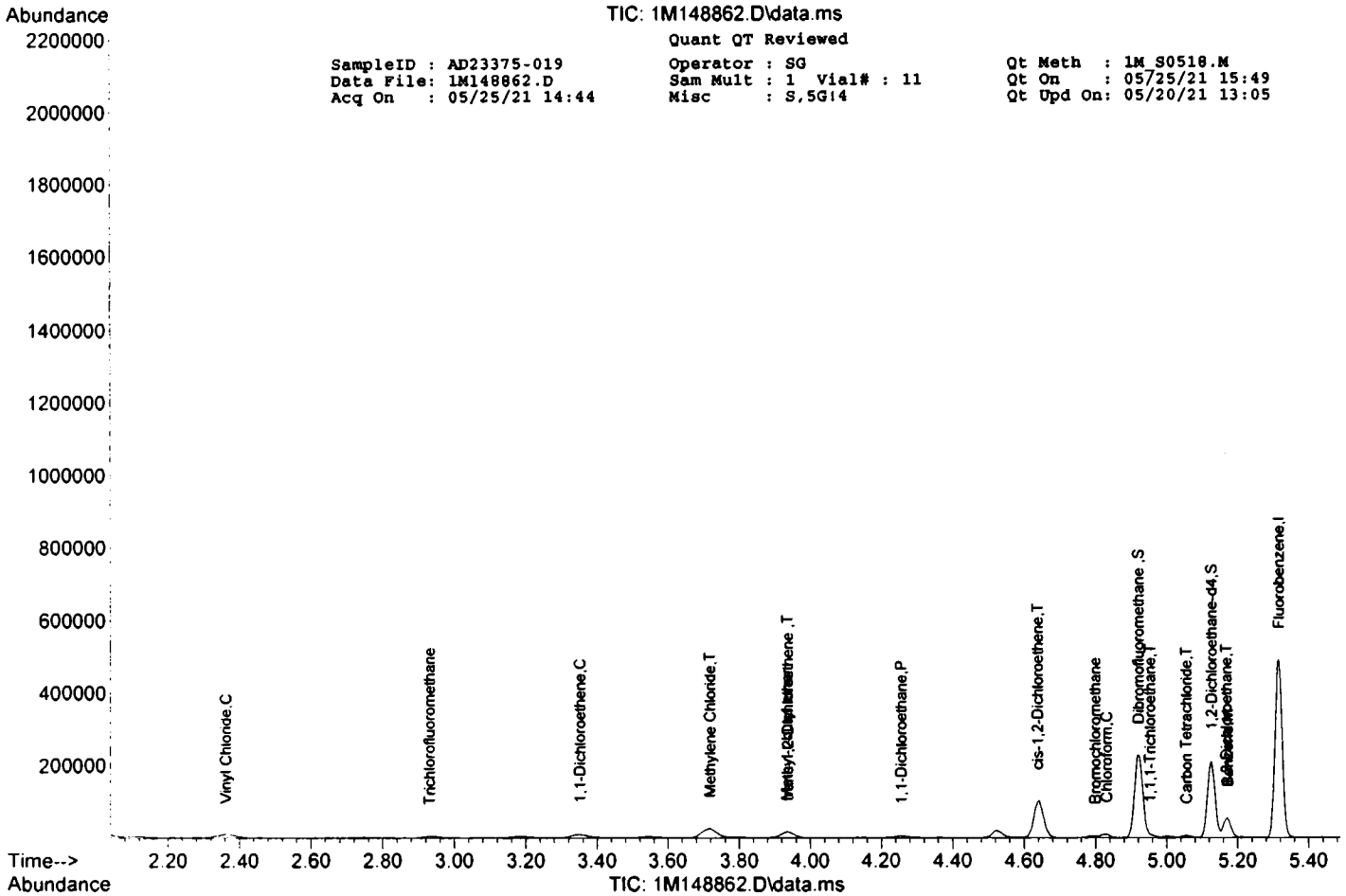
U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

SampleID : AD23375-019 Operator : SG Qt Meth : 1M_S0518.M
Data File: 1M148862.D Sam Mult : 1 Vial# : 11 Qt On : 05/25/21 15:49
Acq On : 05/25/21 14:44 Misc : S,5G!4 Qt Upd On: 05/20/21 13:05

Data Path : G:\GcMsData\2021\GCMS_1\Data\05-25-21\
Qt Path : G:\GcMsData\2021\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.317	96	323725	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.966	117	444586	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.259	152	325831	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.921	111	112700	34.81	ug/l	0.00
Spiked Amount 30.000			Recovery = 116.03%			
39) 1,2-Dichloroethane-d4	5.127	67	58989	38.16	ug/l	0.00
Spiked Amount 30.000			Recovery = 127.20%			
66) Toluene-d8	6.178	98	392209	29.39	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.97%			
76) Bromofluorobenzene	7.600	174	230597	29.85	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.50%			
Target Compounds						Qvalue
9) Vinyl Chloride	2.362	62	14770m	12.1437	ug/l	
11) Trichlorofluoromethane	2.931	101	5839m	3.8724	ug/l	
15) Methylene Chloride	3.719	84	17889	14.5540	ug/l	94
24) 1,1-Dichloroethene	3.352	61	4866m	3.4805	ug/l	
26) Methyl-t-butyl ether	3.934	73	6657m	2.1760	ug/l	
27) 1,1-Dichloroethane	4.256	63	5935	3.1780	ug/l	91
28) trans-1,2-Dichloroethene	3.937	96	5854	5.8293	ug/l	70
30) cis-1,2-Dichloroethene	4.638	61	52440	23.9548	ug/l	92
31) Bromochloromethane	4.799	49	2296	1.7596	ug/l	89
36) Chloroform	4.831	83	5342	2.2029	ug/l	92
40) 1,2-Dichloroethane	5.169	62	13608	6.7709	ug/l	93
42) 1,1,1-Trichloroethane	4.953	97	3040	1.5707	ug/l	89
43) Carbon Tetrachloride	5.056	117	1983	1.2004	ug/l	83
45) Bromodichloromethane	5.783	83	1238	0.6382	ug/l	97
49) Trichloroethene	5.519	130	52887	38.3340	ug/l	95
50) Benzene	5.172	78	21032	4.3514	ug/l	100
65) Tetrachloroethene	6.516	164	1843	1.5935	ug/l	97
67) Toluene	6.214	92	112925	32.2963	ug/l	93
69) Chlorobenzene	6.982	112	330892	76.9522	ug/l	99
74) Ethylbenzene	7.021	106	1474m	0.8262	ug/l	
75) 1,1,2,2-Tetrachloroethane	7.648	83	1922	0.8370	ug/l	88
78) m&p-Xylenes	7.085	106	6796	2.7490	ug/l	74
79) o-Xylene	7.310	106	3123	1.2200	ug/l	55
81) 1,3-Dichlorobenzene	8.227	146	2974	0.8160	ug/l	89
83) 1,2-Dichlorobenzene	8.497	146	2155	0.5738	ug/l	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed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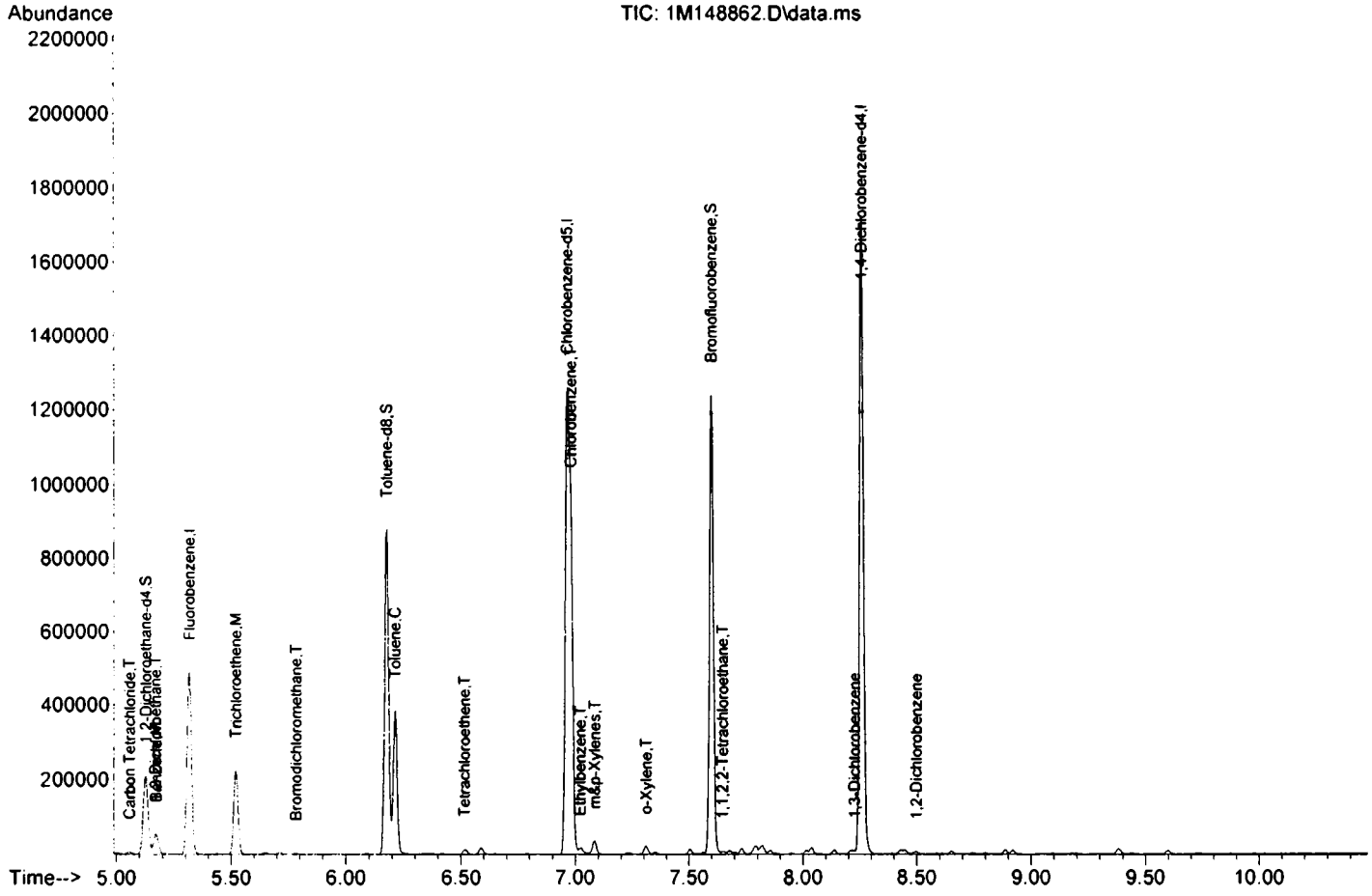
Quant QT Reviewed
SampleID : AD23375-019
Data File: 1M148862.D
Acq On : 05/25/21 14:44
Operator : SG
Sam Mult : 1 Vial# : 11
Misc : S,5G14
Qt Meth : 1M_S0518.M
Qt On : 05/25/21 15:49
Qt Upd On: 05/20/21 13:05
Vinyl Chloride,C
Trichlorofluoromethane
1,1-Dichloroethene,C
Methylene Chloride,T
1,1-Dichloroethane,P
cis-1,2-Dichloroethene,T
Bromochloromethane
Chloroform,C
Dibromofluoromethane ,S
1,1,1-Trichloroethane,T
Carbon Tetrachloride,T
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Time-->


Abundance
TIC: 1M148862.D\data.ms
Carbon Tetrachloride,T
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
Toluene-d8,S
Toluene,C
Tetrachloroethene,T
Chlorobenzene-d5,I
Ethylbenzene,T
m&p-Xylenes,T
o-Xylene,T
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,T
1,4-Dichlorobenzene-d4,I
1,3-Dichlorobenzene
1,2-Dichlorobenzene
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23375-020(8uL)
Client Id: HSI-SB-D3
Data File: 11M91424.D
Analysis Date: 05/20/21 04:45
Date Rec/Extracted: 05/13/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 7.22g:10ml
Final Vol: NA
Dilution: 6930
Solids: 82

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	3.0	8.4	U	56-23-5	Carbon Tetrachloride	2.7	8.4	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**3.8**	**8.4**	**60**	**108-90-7**	**Chlorobenzene**	**2.8**	**8.4**	**520**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	6.1	8.4	U	75-00-3	Chloroethane	4.9	8.4	U
79-00-5	1,1,2-Trichloroethane	2.7	8.4	U	67-66-3	Chloroform	17	17	U
75-34-3	1,1-Dichloroethane	3.6	8.4	U	74-87-3	Chloromethane	4.4	8.4	U
75-35-4	1,1-Dichloroethene	4.5	8.4	U	**156-59-2**	**cis-1,2-Dichloroethene**	**5.4**	**8.4**	**17**
87-61-6	1,2,3-Trichlorobenzene	6.6	8.4	U	10061-01-5	cis-1,3-Dichloropropene	2.7	8.4	U
120-82-1	1,2,4-Trichlorobenzene	6.1	8.4	U	110-82-7	Cyclohexane	4.1	8.4	U
96-12-8	1,2-Dibromo-3-Chloropropa	7.0	8.4	U	124-48-1	Dibromochloromethane	2.0	8.4	U
106-93-4	1,2-Dibromoethane	2.9	8.4	U	75-71-8	Dichlorodifluoromethane	5.2	8.4	U
95-50-1	1,2-Dichlorobenzene	2.7	8.4	U	**100-41-4**	**Ethylbenzene**	**3.9**	**8.4**	**16**
107-06-2	**1,2-Dichloroethane**	**5.4**	**5.4**	**22**	98-82-8	Isopropylbenzene	4.2	8.4	U
78-87-5	1,2-Dichloropropane	2.5	8.4	U	**179601-23-1**	**m&p-Xylenes**	**7.2**	**8.4**	**72**
541-73-1	1,3-Dichlorobenzene	3.2	8.4	U	79-20-9	Methyl Acetate	5.9	8.4	U
106-46-7	1,4-Dichlorobenzene	3.1	8.4	U	108-87-2	Methylcyclohexane	5.2	8.4	U
123-91-1	1,4-Dioxane	330	420	U	**75-09-2**	**Methylene Chloride**	**2.5**	**8.4**	**37**
78-93-3	2-Butanone	6.3	8.4	U	1634-04-4	Methyl-t-butyl ether	2.6	4.2	U
591-78-6	2-Hexanone	5.1	8.4	U	**95-47-6**	**o-Xylene**	**5.8**	**8.4**	**19**
108-10-1	**4-Methyl-2-Pentanone**	**4.1**	**8.4**	**48**	100-42-5	Styrene	4.6	8.4	U
67-64-1	Acetone	39	42	U	**127-18-4**	**Tetrachloroethene**	**3.0**	**8.4**	**24**
71-43-2	Benzene	2.5	4.2	U	**108-88-3**	**Toluene**	**2.8**	**8.4**	**580**
74-97-5	Bromochloromethane	6.6	8.4	U	156-60-5	trans-1,2-Dichloroethene	2.6	8.4	U
75-27-4	Bromodichloromethane	2.9	8.4	U	10061-02-6	trans-1,3-Dichloropropene	2.6	8.4	U
75-25-2	Bromoform	4.6	8.4	U	**79-01-6**	**Trichloroethene**	**2.9**	**8.4**	**390**
74-83-9	Bromomethane	4.2	8.4	U	75-69-4	Trichlorofluoromethane	2.6	8.4	U
75-15-0	Carbon Disulfide	3.6	8.4	U	75-01-4	Vinyl Chloride	6.0	8.4	U
1330-20-7	**Xylenes (Total)**	**5.8**	**8.4**	**91**					

Worksheet # 593069 *Total Target Concentration* 1800 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

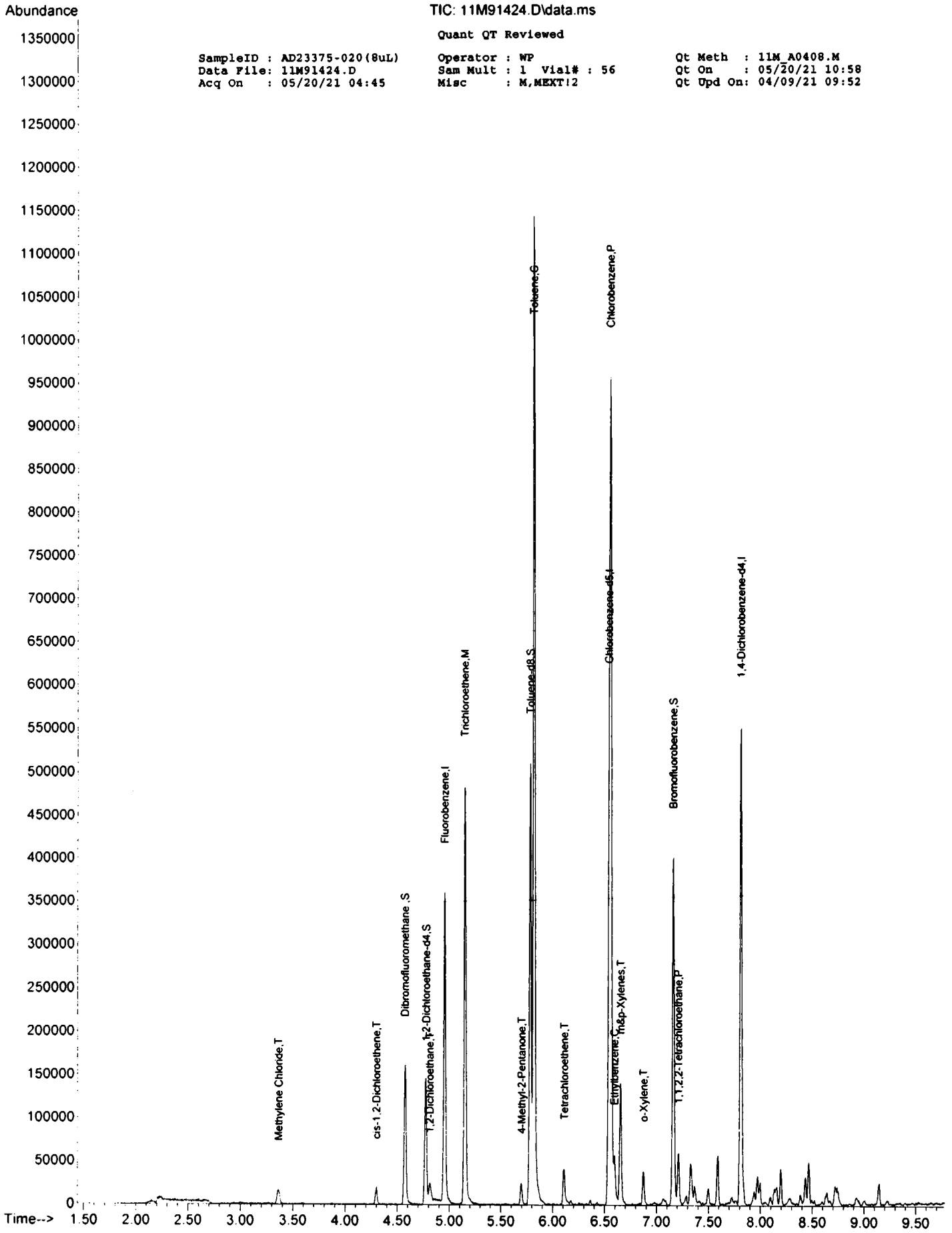
Quantitation Report (QT Reviewed)

SampleID : AD23375-020(8uL) Operator : WP Qt Meth : 11M_A0408.M
Data File: 11M91424.D Sam Mult : 1 Vial# : 56 Qt On : 05/20/21 10:58
Acq On : 05/20/21 04:45 Misc : M,MEXT!2 Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-19-21\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.951	96	227700	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	207720	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.810	152	113168	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.572	111	61422	27.93	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.10%			
39) 1,2-Dichloroethane-d4	4.774	67	32305	33.20	ug/l	0.00
Spiked Amount 30.000			Recovery = 110.67%			
66) Toluene-d8	5.781	98	240584	28.92	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.40%			
76) Bromofluorobenzene	7.160	174	89280	30.22	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.73%			
Target Compounds						Qvalue
15) Methylene Chloride	3.363	84	7731	4.4020	ug/l	77
30) cis-1,2-Dichloroethene	4.299	61	5539	2.0232	ug/l	69
40) 1,2-Dichloroethane	4.810	62	6990	2.6132	ug/l	87
49) Trichloroethene	5.147	130	109234	46.6608	ug/l	98
63) 4-Methyl-2-Pentanone	5.697	43	9880	5.7150	ug/l	91
65) Tetrachloroethene	6.109	164	5667	2.8274	ug/l	91
67) Toluene	5.816	92	346459	68.5252	ug/l	99
69) Chlorobenzene	6.556	112	359425	61.5126	ug/l	99
74) Ethylbenzene	6.594	106	5064m	1.8636	ug/l	
75) 1,1,2,2-Tetrachloroethane	7.208	83	19022	7.1164	ug/l	92
78) m&p-Xylenes	6.652	106	29977	8.5689	ug/l	99
79) o-Xylene	6.874	106	8434	2.1977	ug/l	72

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


Abundance
TIC: 11M91424.D\data.ms
Quant QT Reviewed
SampleID : AD23375-020(8uL)
Data File: 11M91424.D
Acq On : 05/20/21 04:45
Operator : WP
Sam Mult : 1 Vial# : 56
Misc : M,MEXT!2
Qt Meth : 11M_A0408.M
Qt On : 05/20/21 10:58
Qt Upd On: 04/09/21 09:52
Methylene Chloride,T
cis-1,2-Dichloroethene,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
Tetrachloroethene,T
Chlorobenzene-d5,I
Chlorobenzene,P
Ethylbenzene,T
m&p-Xylenes,T
o-Xylene,T
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,P
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 1M148861.D
Analysis Date: 05/25/21 14:18
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5g
Final Vol: NA
Dilution: 1.00
Solids: 100

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.00092	0.0020	U	56-23-5	Carbon Tetrachloride	0.00097	0.0020	U
79-34-5	1,1,2,2-Tetrachloroethane	0.00045	0.0020	U	108-90-7	Chlorobenzene	0.00062	0.0020	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0014	0.0020	U	75-00-3	Chloroethane	0.0020	0.0020	U
79-00-5	1,1,2-Trichloroethane	0.00046	0.0020	U	67-66-3	Chloroform	0.0014	0.0020	U
75-34-3	1,1-Dichloroethane	0.00087	0.0020	U	74-87-3	Chloromethane	0.0012	0.0020	U
75-35-4	1,1-Dichloroethene	0.0012	0.0020	U	156-59-2	cis-1,2-Dichloroethene	0.00081	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	0.00055	0.0020	U	10061-01-5	cis-1,3-Dichloropropene	0.00053	0.0020	U
120-82-1	1,2,4-Trichlorobenzene	0.00063	0.0020	U	110-82-7	Cyclohexane	0.0012	0.0020	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.00055	0.0020	U	124-48-1	Dibromochloromethane	0.00043	0.0020	U
106-93-4	1,2-Dibromoethane	0.00049	0.00050	U	75-71-8	Dichlorodifluoromethane	0.0014	0.0020	U
95-50-1	1,2-Dichlorobenzene	0.00051	0.0020	U	100-41-4	Ethylbenzene	0.00069	0.0010	U
107-06-2	1,2-Dichloroethane	0.00041	0.0020	U	98-82-8	Isopropylbenzene	0.00083	0.0010	U
78-87-5	1,2-Dichloropropane	0.00082	0.0020	U	179601-23-1	m&p-Xylenes	0.0012	0.0012	U
541-73-1	1,3-Dichlorobenzene	0.00055	0.0020	U	79-20-9	Methyl Acetate	0.00096	0.0020	U
106-46-7	1,4-Dichlorobenzene	0.00053	0.0020	U	108-87-2	Methylcyclohexane	0.00090	0.0020	U
123-91-1	1,4-Dioxane	0.049	0.10	U	75-09-2	Methylene Chloride	0.00075	0.0020	U
78-93-3	2-Butanone	0.0012	0.0020	U	1634-04-4	Methyl-t-butyl ether	0.00054	0.0010	U
591-78-6	2-Hexanone	0.00085	0.0020	U	95-47-6	o-Xylene	0.00071	0.0010	U
108-10-1	4-Methyl-2-Pentanone	0.00058	0.0020	U	100-42-5	Styrene	0.00055	0.0020	U
67-64-1	Acetone	0.0068	0.010	U	127-18-4	Tetrachloroethene	0.00098	0.0020	U
71-43-2	Benzene	0.00073	0.0010	U	108-88-3	Toluene	0.00066	0.0010	U
74-97-5	Bromochloromethane	0.00070	0.0020	U	156-60-5	trans-1,2-Dichloroethene	0.0012	0.0020	U
75-27-4	Bromodichloromethane	0.00047	0.0020	U	10061-02-6	trans-1,3-Dichloropropene	0.00047	0.0020	U
75-25-2	Bromoform	0.00033	0.0020	U	79-01-6	Trichloroethene	0.00082	0.0020	U
74-83-9	Bromomethane	0.0016	0.0020	U	75-69-4	Trichlorofluoromethane	0.0012	0.0020	U
75-15-0	Carbon Disulfide	0.0034	0.0034	U	75-01-4	Vinyl Chloride	0.0012	0.0020	U

Worksheet #: 593217

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

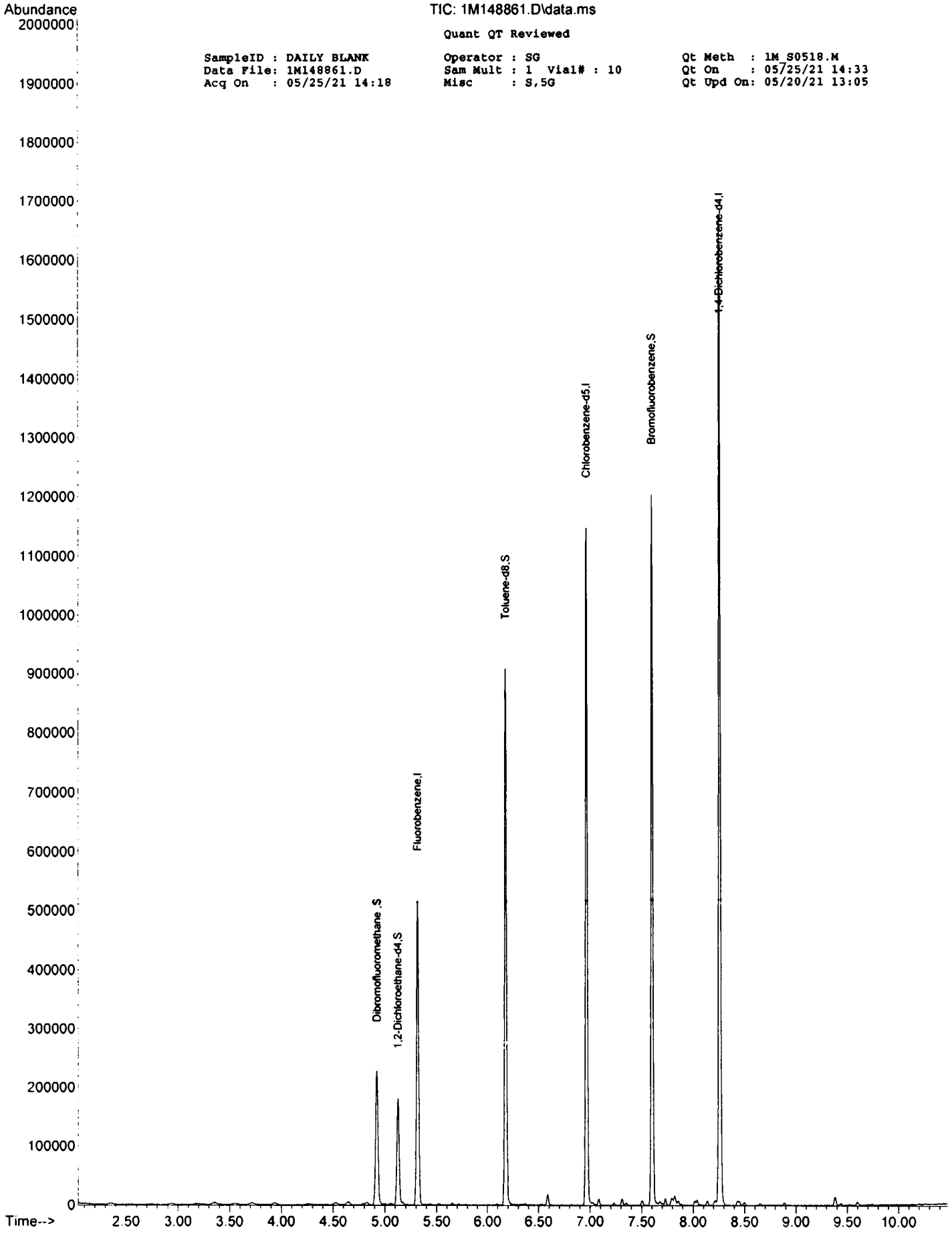
U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

SampleID : DAILY BLANK Operator : SG Qt Meth : 1M_S0518.M
Data File: 1M148861.D Sam Mult : 1 Vial# : 10 Qt On : 05/25/21 14:33
Acq On : 05/25/21 14:18 Misc : S,5G Qt Upd On: 05/20/21 13:05

Data Path : G:\GcMsData\2021\GCMS_1\Data\05-25-21\
Qt Path : G:\GcMsData\2021\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.313	96	345733	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.966	117	451572	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.259	152	315199	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.921	111	110020	31.82	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.07%			
39) 1,2-Dichloroethane-d4	5.124	67	51351	31.11	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.70%			
66) Toluene-d8	6.178	98	410874	30.31	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.03%			
76) Bromofluorobenzene	7.599	174	222389	29.75	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.17%			
Target Compounds						Qvalue

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


Abundance
TIC: 1M148861.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 1M148861.D
Acq On : 05/25/21 14:18
Operator : SG
Sam Mult : 1 Vial# : 10
Misc : S,5G
Qt Meth : 1M_S0518.M
Qt On : 05/25/21 14:33
Qt Upd On: 05/20/21 13:05
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 11M91238.D
Analysis Date: 05/17/21 10:00
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 5g:10ml
Final Vol: NA
Dilution: 100
Solids: 100

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.036	0.10	U	56-23-5	Carbon Tetrachloride	0.032	0.10	U
79-34-5	1,1,2,2-Tetrachloroethane	0.045	0.10	U	108-90-7	Chlorobenzene	0.033	0.10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.073	0.10	U	75-00-3	Chloroethane	0.058	0.10	U
79-00-5	1,1,2-Trichloroethane	0.032	0.10	U	67-66-3	Chloroform	0.20	0.20	U
75-34-3	1,1-Dichloroethane	0.043	0.10	U	74-87-3	Chloromethane	0.052	0.10	U
75-35-4	1,1-Dichloroethene	0.053	0.10	U	156-59-2	cis-1,2-Dichloroethene	0.064	0.10	U
87-61-6	1,2,3-Trichlorobenzene	0.079	0.10	U	10061-01-5	cis-1,3-Dichloropropene	0.032	0.10	U
120-82-1	1,2,4-Trichlorobenzene	0.073	0.10	U	110-82-7	Cyclohexane	0.049	0.10	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.083	0.10	U	124-48-1	Dibromochloromethane	0.024	0.10	U
106-93-4	1,2-Dibromoethane	0.034	0.10	U	75-71-8	Dichlorodifluoromethane	0.062	0.10	U
95-50-1	1,2-Dichlorobenzene	0.032	0.10	U	100-41-4	Ethylbenzene	0.047	0.10	U
107-06-2	1,2-Dichloroethane	0.064	0.064	U	98-82-8	Isopropylbenzene	0.049	0.10	U
78-87-5	1,2-Dichloropropane	0.030	0.10	U	179601-23-1	m&p-Xylenes	0.085	0.10	U
541-73-1	1,3-Dichlorobenzene	0.038	0.10	U	79-20-9	Methyl Acetate	0.070	0.10	U
106-46-7	1,4-Dichlorobenzene	0.037	0.10	U	108-87-2	Methylcyclohexane	0.061	0.10	U
123-91-1	1,4-Dioxane	3.9	5.0	U	75-09-2	Methylene Chloride	0.029	0.10	U
78-93-3	2-Butanone	0.075	0.10	U	1634-04-4	Methyl-t-butyl ether	0.031	0.050	U
591-78-6	2-Hexanone	0.060	0.10	U	95-47-6	o-Xylene	0.068	0.10	U
108-10-1	4-Methyl-2-Pentanone	0.049	0.10	U	100-42-5	Styrene	0.054	0.10	U
67-64-1	Acetone	0.46	0.50	U	127-18-4	Tetrachloroethene	0.036	0.10	U
71-43-2	Benzene	0.030	0.050	U	108-88-3	Toluene	0.033	0.10	U
74-97-5	Bromochloromethane	0.079	0.10	U	156-60-5	trans-1,2-Dichloroethene	0.031	0.10	U
75-27-4	Bromodichloromethane	0.035	0.10	U	10061-02-6	trans-1,3-Dichloropropene	0.031	0.10	U
75-25-2	Bromoform	0.054	0.10	U	79-01-6	Trichloroethene	0.035	0.10	U
74-83-9	Bromomethane	0.050	0.10	U	75-69-4	Trichlorofluoromethane	0.031	0.10	U
75-15-0	Carbon Disulfide	0.042	0.10	U	75-01-4	Vinyl Chloride	0.071	0.10	U

Worksheet #: 593069

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

SampleID : DAILY BLANK Operator : SG Qt Meth : 11M_A0408.M
Data File: 11M91238.D Sam Mult : 1 Vial# : 7 Qt On : 05/17/21 10:10
Acq On : 05/17/21 10:00 Misc : M,MEOH Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-17-21\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.951	96	188703	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	161350	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.810	152	86954	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.572	111	53199	29.20	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.33%			
39) 1,2-Dichloroethane-d4	4.768	67	26709	33.12	ug/l	0.00
Spiked Amount 30.000			Recovery = 110.40%			
66) Toluene-d8	5.781	98	196442	30.40	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.33%			
76) Bromofluorobenzene	7.160	174	70280	30.96	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.20%			
Target Compounds						Qvalue

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

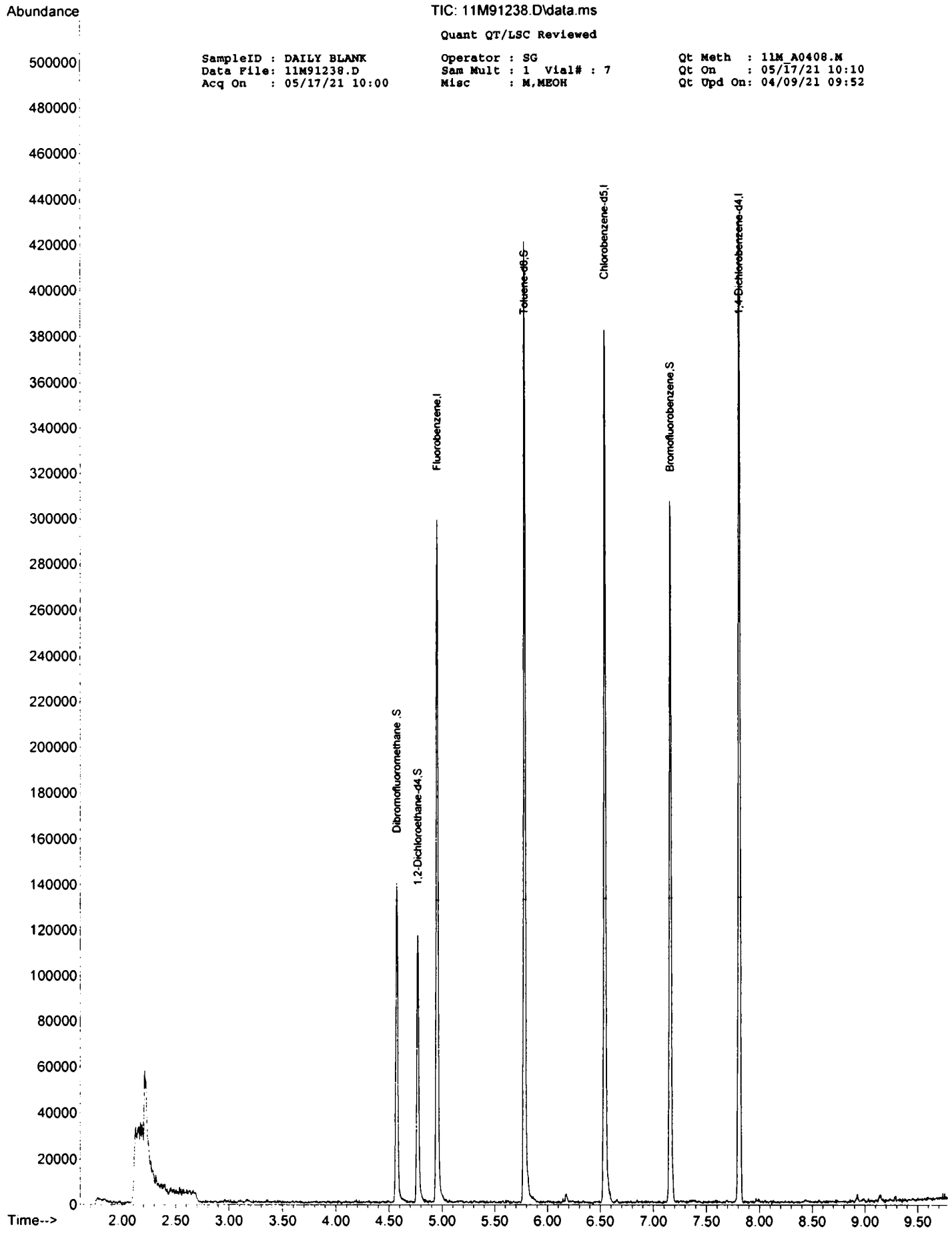
TIC: 11M91238.D\data.ms

Quant QT/LSC Reviewed

SampleID : DAILY BLANK
Data File: 11M91238.D
Acq On : 05/17/21 10:00

Operator : SG
Sam Mult : 1 Vial# : 7
Misc : M,MEOH

Qt Meth : 11M_A0408.M
Qt On : 05/17/21 10:10
Qt Upd On: 04/09/21 09:52



Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 11M91307.D
Analysis Date: 05/18/21 11:06
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 5g:10ml
Final Vol: NA
Dilution: 100
Solids: 100

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.036	0.10	U	56-23-5	Carbon Tetrachloride	0.032	0.10	U
79-34-5	1,1,2,2-Tetrachloroethane	0.045	0.10	U	108-90-7	Chlorobenzene	0.033	0.10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.073	0.10	U	75-00-3	Chloroethane	0.058	0.10	U
79-00-5	1,1,2-Trichloroethane	0.032	0.10	U	67-66-3	Chloroform	0.20	0.20	U
75-34-3	1,1-Dichloroethane	0.043	0.10	U	74-87-3	Chloromethane	0.052	0.10	U
75-35-4	1,1-Dichloroethene	0.053	0.10	U	156-59-2	cis-1,2-Dichloroethene	0.064	0.10	U
87-61-6	1,2,3-Trichlorobenzene	0.079	0.10	U	10061-01-5	cis-1,3-Dichloropropene	0.032	0.10	U
120-82-1	1,2,4-Trichlorobenzene	0.073	0.10	U	110-82-7	Cyclohexane	0.049	0.10	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.083	0.10	U	124-48-1	Dibromochloromethane	0.024	0.10	U
106-93-4	1,2-Dibromoethane	0.034	0.10	U	75-71-8	Dichlorodifluoromethane	0.062	0.10	U
95-50-1	1,2-Dichlorobenzene	0.032	0.10	U	100-41-4	Ethylbenzene	0.047	0.10	U
107-06-2	1,2-Dichloroethane	0.064	0.064	U	98-82-8	Isopropylbenzene	0.049	0.10	U
78-87-5	1,2-Dichloropropane	0.030	0.10	U	179601-23-1	m&p-Xylenes	0.085	0.10	U
541-73-1	1,3-Dichlorobenzene	0.038	0.10	U	79-20-9	Methyl Acetate	0.070	0.10	U
106-46-7	1,4-Dichlorobenzene	0.037	0.10	U	108-87-2	Methylcyclohexane	0.061	0.10	U
123-91-1	1,4-Dioxane	3.9	5.0	U	75-09-2	Methylene Chloride	0.029	0.10	U
78-93-3	2-Butanone	0.075	0.10	U	1634-04-4	Methyl-t-butyl ether	0.031	0.050	U
591-78-6	2-Hexanone	0.060	0.10	U	95-47-6	o-Xylene	0.068	0.10	U
108-10-1	4-Methyl-2-Pentanone	0.049	0.10	U	100-42-5	Styrene	0.054	0.10	U
67-64-1	Acetone	0.46	0.50	U	127-18-4	Tetrachloroethene	0.036	0.10	U
71-43-2	Benzene	0.030	0.050	U	108-88-3	Toluene	0.033	0.10	U
74-97-5	Bromochloromethane	0.079	0.10	U	156-60-5	trans-1,2-Dichloroethene	0.031	0.10	U
75-27-4	Bromodichloromethane	0.035	0.10	U	10061-02-6	trans-1,3-Dichloropropene	0.031	0.10	U
75-25-2	Bromoform	0.054	0.10	U	79-01-6	Trichloroethene	0.035	0.10	U
74-83-9	Bromomethane	0.050	0.10	U	75-69-4	Trichlorofluoromethane	0.031	0.10	U
75-15-0	Carbon Disulfide	0.042	0.10	U	75-01-4	Vinyl Chloride	0.071	0.10	U

Worksheet #: 593069

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK
Data File: 11M91307.D
Acq On : 05/18/21 11:06

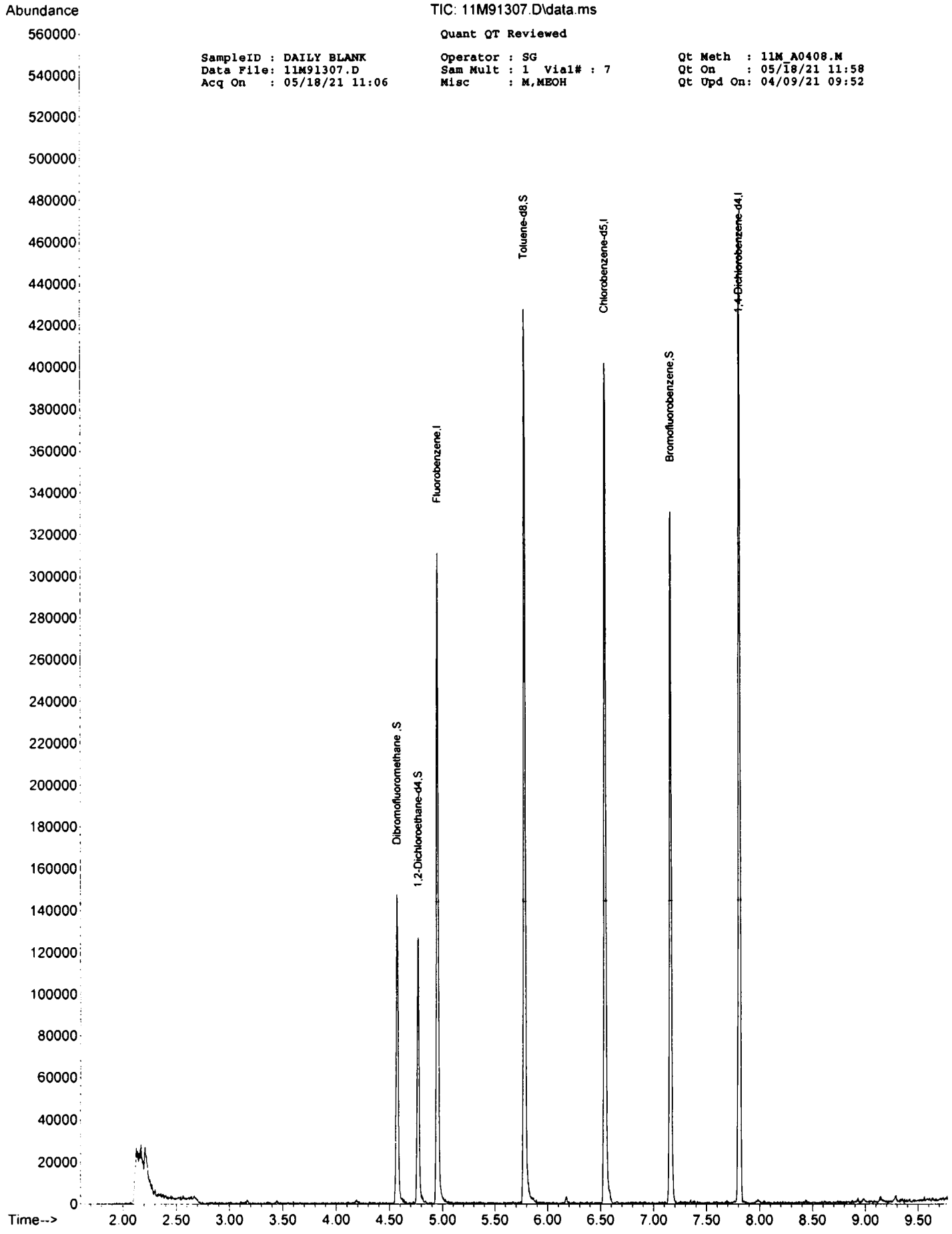
Operator : SG
Sam Mult : 1 Vial# : 7
Misc : M,MEOH

Qt Meth : 11M_A0408.M
Qt On : 05/18/21 11:58
Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-18-21\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.951	96	192926	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	177227	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.810	152	92963	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.572	111	55390	29.73	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.10%			
39) 1,2-Dichloroethane-d4	4.771	67	27863	33.79	ug/l	0.00
Spiked Amount 30.000			Recovery = 112.63%			
66) Toluene-d8	5.781	98	199505	28.11	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.70%			
76) Bromofluorobenzene	7.160	174	74252	30.60	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.00%			
Target Compounds						Qvalue

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


Abundance
TIC: 11M91307.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 11M91307.D
Acq On : 05/18/21 11:06
Operator : SG
Sam Mult : 1 Vial# : 7
Misc : M,MEOH
Qt Meth : 11M_A0408.M
Qt On : 05/18/21 11:58
Qt Upd On: 04/09/21 09:52
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 11M91344.D
Analysis Date: 05/19/21 00:23
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 5g:10ml
Final Vol: NA
Dilution: 100
Solids: 100

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.036	0.10	U	56-23-5	Carbon Tetrachloride	0.032	0.10	U
79-34-5	1,1,2,2-Tetrachloroethane	0.045	0.10	U	108-90-7	Chlorobenzene	0.033	0.10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.073	0.10	U	75-00-3	Chloroethane	0.058	0.10	U
79-00-5	1,1,2-Trichloroethane	0.032	0.10	U	67-66-3	Chloroform	0.20	0.20	U
75-34-3	1,1-Dichloroethane	0.043	0.10	U	74-87-3	Chloromethane	0.052	0.10	U
75-35-4	1,1-Dichloroethene	0.053	0.10	U	156-59-2	cis-1,2-Dichloroethene	0.064	0.10	U
87-61-6	1,2,3-Trichlorobenzene	0.079	0.10	U	10061-01-5	cis-1,3-Dichloropropene	0.032	0.10	U
120-82-1	1,2,4-Trichlorobenzene	0.073	0.10	U	110-82-7	Cyclohexane	0.049	0.10	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.083	0.10	U	124-48-1	Dibromochloromethane	0.024	0.10	U
106-93-4	1,2-Dibromoethane	0.034	0.10	U	75-71-8	Dichlorodifluoromethane	0.062	0.10	U
95-50-1	1,2-Dichlorobenzene	0.032	0.10	U	100-41-4	Ethylbenzene	0.047	0.10	U
107-06-2	1,2-Dichloroethane	0.064	0.064	U	98-82-8	Isopropylbenzene	0.049	0.10	U
78-87-5	1,2-Dichloropropane	0.030	0.10	U	179601-23-1	m&p-Xylenes	0.085	0.10	U
541-73-1	1,3-Dichlorobenzene	0.038	0.10	U	79-20-9	Methyl Acetate	0.070	0.10	U
106-46-7	1,4-Dichlorobenzene	0.037	0.10	U	108-87-2	Methylcyclohexane	0.061	0.10	U
123-91-1	1,4-Dioxane	3.9	5.0	U	75-09-2	Methylene Chloride	0.029	0.10	U
78-93-3	2-Butanone	0.075	0.10	U	1634-04-4	Methyl-t-butyl ether	0.031	0.050	U
591-78-6	2-Hexanone	0.060	0.10	U	95-47-6	o-Xylene	0.068	0.10	U
108-10-1	4-Methyl-2-Pentanone	0.049	0.10	U	100-42-5	Styrene	0.054	0.10	U
67-64-1	Acetone	0.46	0.50	U	127-18-4	Tetrachloroethene	0.036	0.10	U
71-43-2	Benzene	0.030	0.050	U	108-88-3	Toluene	0.033	0.10	U
74-97-5	Bromochloromethane	0.079	0.10	U	156-60-5	trans-1,2-Dichloroethene	0.031	0.10	U
75-27-4	Bromodichloromethane	0.035	0.10	U	10061-02-6	trans-1,3-Dichloropropene	0.031	0.10	U
75-25-2	Bromoform	0.054	0.10	U	79-01-6	Trichloroethene	0.035	0.10	U
74-83-9	Bromomethane	0.050	0.10	U	75-69-4	Trichlorofluoromethane	0.031	0.10	U
75-15-0	Carbon Disulfide	0.042	0.10	U	75-01-4	Vinyl Chloride	0.071	0.10	U

Worksheet #: 593069

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

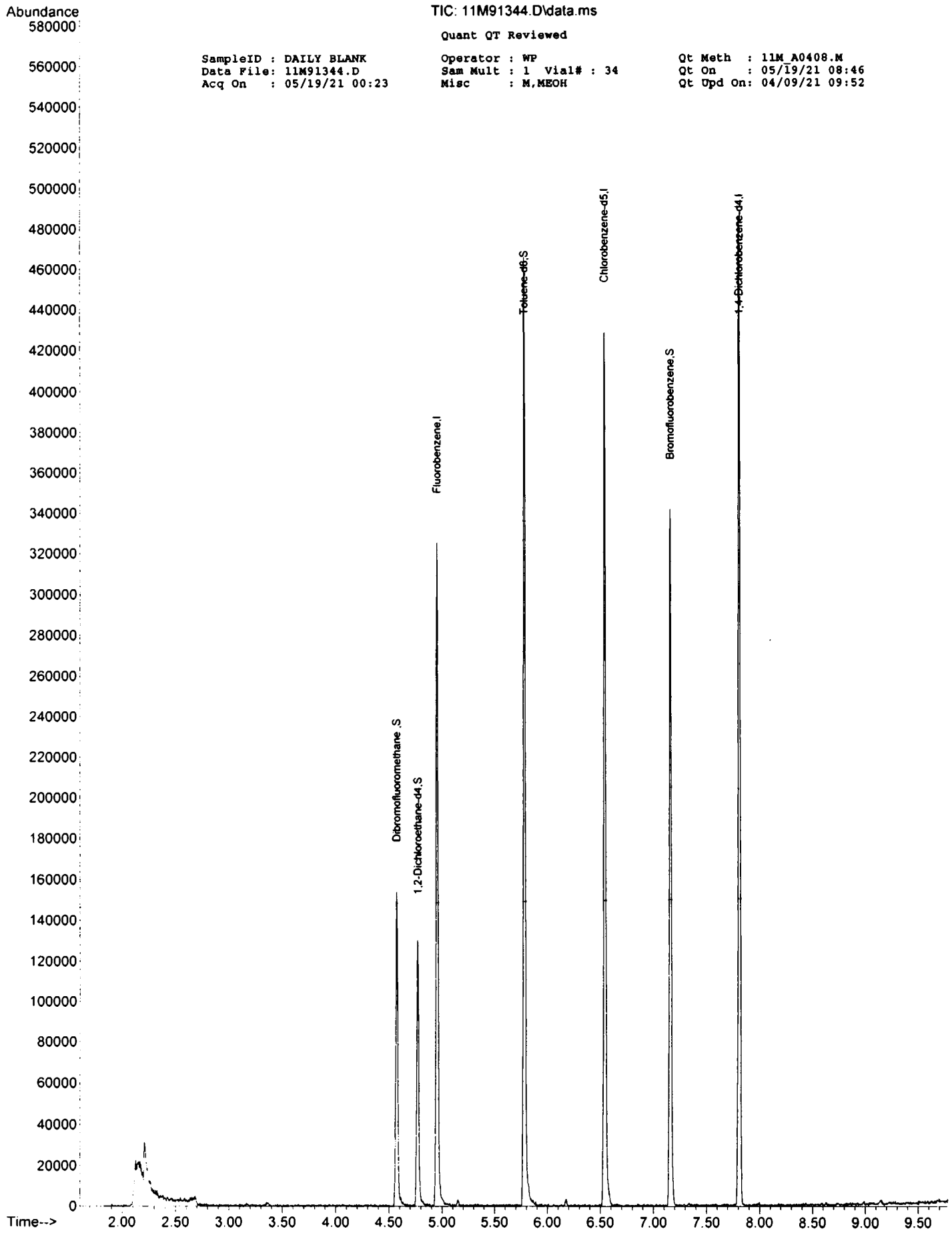
Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK Operator : WP Qt Meth : 11M_A0408.M
Data File: 11M91344.D Sam Mult : 1 Vial# : 34 Qt On : 05/19/21 08:46
Acq On : 05/19/21 00:23 Misc : M,MEOH Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-1821\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.951	96	203465	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	180452	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.810	152	97756	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.572	111	57609	29.32	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.73%			
39) 1,2-Dichloroethane-d4	4.771	67	29727	34.19	ug/l	0.00
Spiked Amount 30.000			Recovery = 113.97%			
66) Toluene-d8	5.781	98	216896	30.02	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.07%			
76) Bromofluorobenzene	7.160	174	78648	30.82	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.73%			
Target Compounds						Qvalue

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


Abundance
TIC: 11M91344.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 11M91344.D
Acq On : 05/19/21 00:23
Operator : WP
Sam Mult : 1 Vial# : 34
Misc : M,MEOH
Qt Meth : 11M_A0408.M
Qt On : 05/19/21 08:46
Qt Upd On: 04/09/21 09:52
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 11M91401.D
Analysis Date: 05/19/21 20:30
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 5g:10ml
Final Vol: NA
Dilution: 100
Solids: 100

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.036	0.10	U	56-23-5	Carbon Tetrachloride	0.032	0.10	U
79-34-5	1,1,2,2-Tetrachloroethane	0.045	0.10	U	108-90-7	Chlorobenzene	0.033	0.10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.073	0.10	U	75-00-3	Chloroethane	0.058	0.10	U
79-00-5	1,1,2-Trichloroethane	0.032	0.10	U	67-66-3	Chloroform	0.20	0.20	U
75-34-3	1,1-Dichloroethane	0.043	0.10	U	74-87-3	Chloromethane	0.052	0.10	U
75-35-4	1,1-Dichloroethene	0.053	0.10	U	156-59-2	cis-1,2-Dichloroethene	0.064	0.10	U
87-61-6	1,2,3-Trichlorobenzene	0.079	0.10	U	10061-01-5	cis-1,3-Dichloropropene	0.032	0.10	U
120-82-1	1,2,4-Trichlorobenzene	0.073	0.10	U	110-82-7	Cyclohexane	0.049	0.10	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.083	0.10	U	124-48-1	Dibromochloromethane	0.024	0.10	U
106-93-4	1,2-Dibromoethane	0.034	0.10	U	75-71-8	Dichlorodifluoromethane	0.062	0.10	U
95-50-1	1,2-Dichlorobenzene	0.032	0.10	U	100-41-4	Ethylbenzene	0.047	0.10	U
107-06-2	1,2-Dichloroethane	0.064	0.064	U	98-82-8	Isopropylbenzene	0.049	0.10	U
78-87-5	1,2-Dichloropropane	0.030	0.10	U	179601-23-1	m&p-Xylenes	0.085	0.10	U
541-73-1	1,3-Dichlorobenzene	0.038	0.10	U	79-20-9	Methyl Acetate	0.070	0.10	U
106-46-7	1,4-Dichlorobenzene	0.037	0.10	U	108-87-2	Methylcyclohexane	0.061	0.10	U
123-91-1	1,4-Dioxane	3.9	5.0	U	75-09-2	Methylene Chloride	0.029	0.10	U
78-93-3	2-Butanone	0.075	0.10	U	1634-04-4	Methyl-t-butyl ether	0.031	0.050	U
591-78-6	2-Hexanone	0.060	0.10	U	95-47-6	o-Xylene	0.068	0.10	U
108-10-1	4-Methyl-2-Pentanone	0.049	0.10	U	100-42-5	Styrene	0.054	0.10	U
67-64-1	Acetone	0.46	0.50	U	127-18-4	Tetrachloroethene	0.036	0.10	U
71-43-2	Benzene	0.030	0.050	U	108-88-3	Toluene	0.033	0.10	U
74-97-5	Bromochloromethane	0.079	0.10	U	156-60-5	trans-1,2-Dichloroethene	0.031	0.10	U
75-27-4	Bromodichloromethane	0.035	0.10	U	10061-02-6	trans-1,3-Dichloropropene	0.031	0.10	U
75-25-2	Bromoform	0.054	0.10	U	79-01-6	Trichloroethene	0.035	0.10	U
74-83-9	Bromomethane	0.050	0.10	U	75-69-4	Trichlorofluoromethane	0.031	0.10	U
75-15-0	Carbon Disulfide	0.042	0.10	U	75-01-4	Vinyl Chloride	0.071	0.10	U

Worksheet #: 593069

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

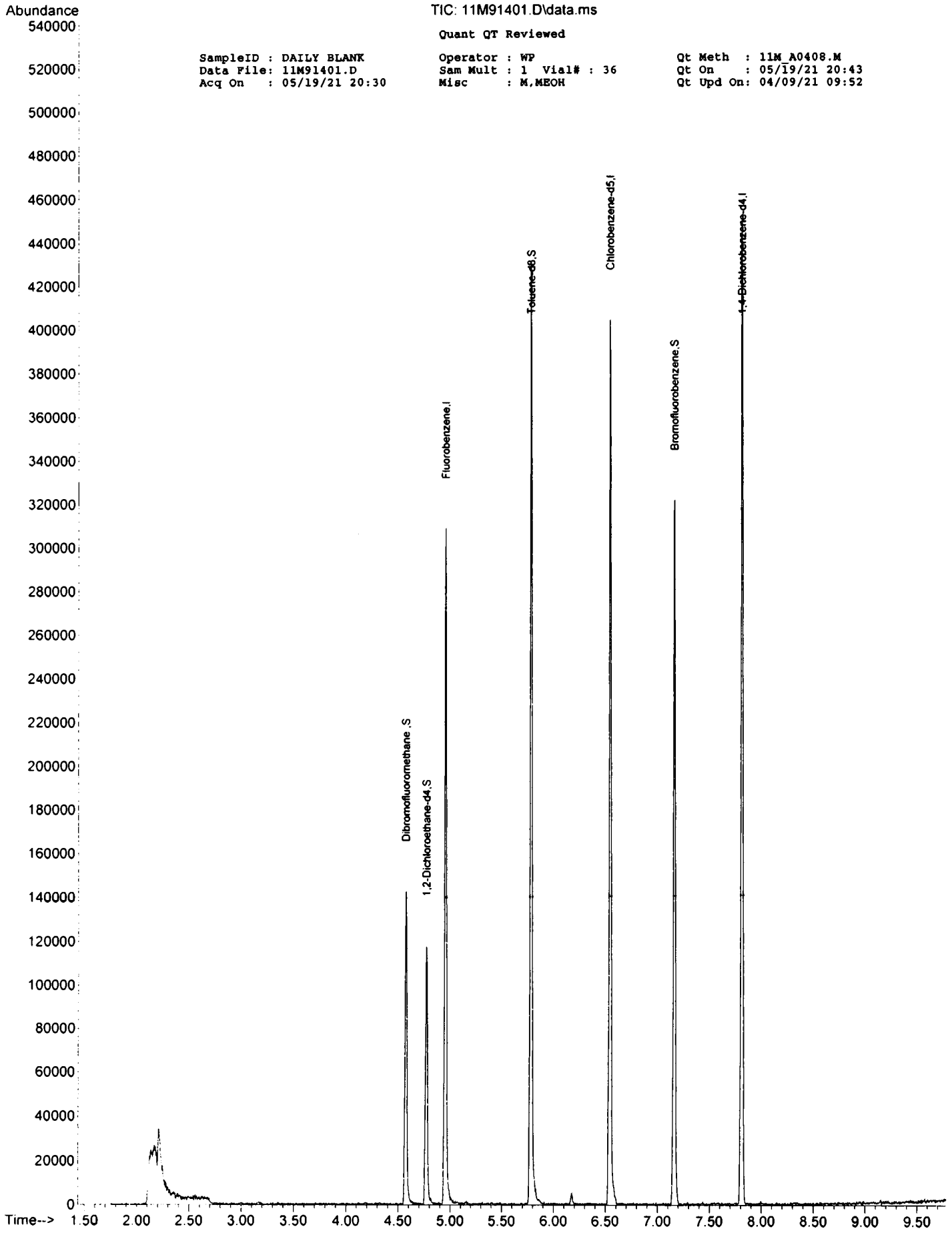
Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK Operator : WP Qt Meth : 11M_A0408.M
Data File: 11M91401.D Sam Mult : 1 Vial# : 36 Qt On : 05/19/21 20:43
Acq On : 05/19/21 20:30 Misc : M,MEOH Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-19-21\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.951	96	190570	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	173091	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.810	152	93186	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.572	111	55949	30.40	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.33%			
39) 1,2-Dichloroethane-d4	4.768	67	27336	33.57	ug/l	0.00
Spiked Amount 30.000			Recovery = 111.90%			
66) Toluene-d8	5.781	98	202384	29.20	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.33%			
76) Bromofluorobenzene	7.160	174	72407	29.77	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.23%			
Target Compounds						Qvalue

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


Abundance
TIC: 11M91401.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 11M91401.D
Acq On : 05/19/21 20:30
Operator : WP
Sam Mult : 1 Vial# : 36
Misc : M,MEOH
Qt Meth : 11M_A0408.M
Qt On : 05/19/21 20:43
Qt Upd On: 04/09/21 09:52
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 11M91469.D
Analysis Date: 05/20/21 20:56
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 5g:10ml
Final Vol: NA
Dilution: 100
Solids: 100

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.036	0.10	U	56-23-5	Carbon Tetrachloride	0.032	0.10	U
79-34-5	1,1,2,2-Tetrachloroethane	0.045	0.10	U	108-90-7	Chlorobenzene	0.033	0.10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.073	0.10	U	75-00-3	Chloroethane	0.058	0.10	U
79-00-5	1,1,2-Trichloroethane	0.032	0.10	U	67-66-3	Chloroform	0.20	0.20	U
75-34-3	1,1-Dichloroethane	0.043	0.10	U	74-87-3	Chloromethane	0.052	0.10	U
75-35-4	1,1-Dichloroethene	0.053	0.10	U	156-59-2	cis-1,2-Dichloroethene	0.064	0.10	U
87-61-6	1,2,3-Trichlorobenzene	0.079	0.10	U	10061-01-5	cis-1,3-Dichloropropene	0.032	0.10	U
120-82-1	1,2,4-Trichlorobenzene	0.073	0.10	U	110-82-7	Cyclohexane	0.049	0.10	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.083	0.10	U	124-48-1	Dibromochloromethane	0.024	0.10	U
106-93-4	1,2-Dibromoethane	0.034	0.10	U	75-71-8	Dichlorodifluoromethane	0.062	0.10	U
95-50-1	1,2-Dichlorobenzene	0.032	0.10	U	100-41-4	Ethylbenzene	0.047	0.10	U
107-06-2	1,2-Dichloroethane	0.064	0.064	U	98-82-8	Isopropylbenzene	0.049	0.10	U
78-87-5	1,2-Dichloropropane	0.030	0.10	U	179601-23-1	m&p-Xylenes	0.085	0.10	U
541-73-1	1,3-Dichlorobenzene	0.038	0.10	U	79-20-9	Methyl Acetate	0.070	0.10	U
106-46-7	1,4-Dichlorobenzene	0.037	0.10	U	108-87-2	Methylcyclohexane	0.061	0.10	U
123-91-1	1,4-Dioxane	3.9	5.0	U	75-09-2	Methylene Chloride	0.029	0.10	U
78-93-3	2-Butanone	0.075	0.10	U	1634-04-4	Methyl-t-butyl ether	0.031	0.050	U
591-78-6	2-Hexanone	0.060	0.10	U	95-47-6	o-Xylene	0.068	0.10	U
108-10-1	4-Methyl-2-Pentanone	0.049	0.10	U	100-42-5	Styrene	0.054	0.10	U
67-64-1	Acetone	0.46	0.50	U	127-18-4	Tetrachloroethene	0.036	0.10	U
71-43-2	Benzene	0.030	0.050	U	108-88-3	Toluene	0.033	0.10	U
74-97-5	Bromochloromethane	0.079	0.10	U	156-60-5	trans-1,2-Dichloroethene	0.031	0.10	U
75-27-4	Bromodichloromethane	0.035	0.10	U	10061-02-6	trans-1,3-Dichloropropene	0.031	0.10	U
75-25-2	Bromoform	0.054	0.10	U	79-01-6	Trichloroethene	0.035	0.10	U
74-83-9	Bromomethane	0.050	0.10	U	75-69-4	Trichlorofluoromethane	0.031	0.10	U
75-15-0	Carbon Disulfide	0.042	0.10	U	75-01-4	Vinyl Chloride	0.071	0.10	U

Worksheet #: 593069

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

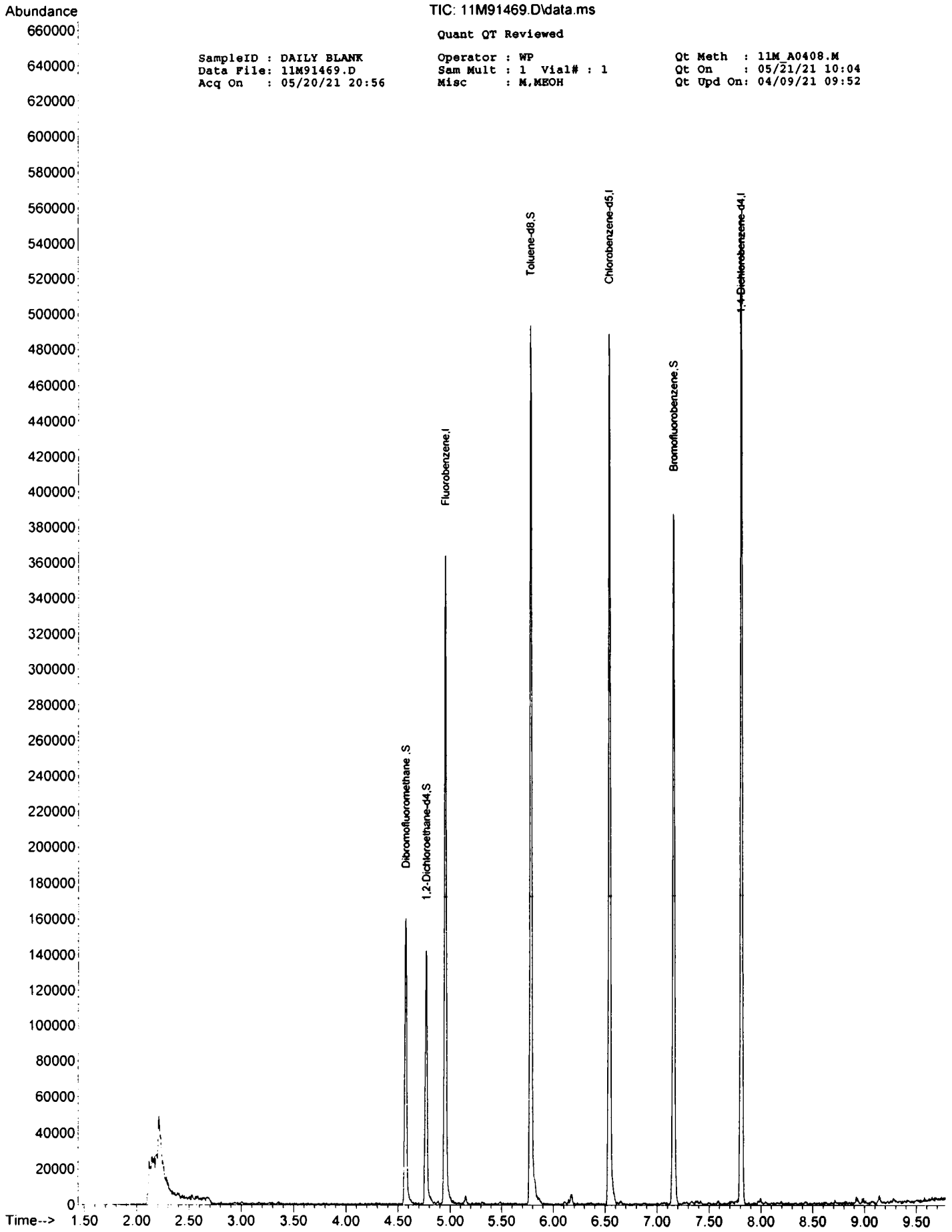
Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK Operator : WP Qt Meth : 11M_A0408.M
Data File: 11M91469.D Sam Mult : 1 Vial# : 1 Qt On : 05/21/21 10:04
Acq On : 05/20/21 20:56 Misc : M,MEOH Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-2021\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.951	96	222259	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	206404	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.807	152	113152	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.572	111	62257	29.01	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.70%			
39) 1,2-Dichloroethane-d4	4.768	67	31501	33.16	ug/l	0.00
Spiked Amount 30.000			Recovery = 110.53%			
66) Toluene-d8	5.781	98	240215	29.06	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.87%			
76) Bromofluorobenzene	7.160	174	88594	29.99	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.97%			
Target Compounds						Qvalue

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


Abundance
TIC: 11M91469.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 11M91469.D
Acq On : 05/20/21 20:56
Operator : WP
Sam Mult : 1 Vial# : 1
Misc : M,MEOH
Qt Meth : 11M_A0408.M
Qt On : 05/21/21 10:04
Qt Upd On: 04/09/21 09:52
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 11M91507.D
Analysis Date: 05/21/21 11:05
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 5g:10ml
Final Vol: NA
Dilution: 100
Solids: 100

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.036	0.10	U	56-23-5	Carbon Tetrachloride	0.032	0.10	U
79-34-5	1,1,2,2-Tetrachloroethane	0.045	0.10	U	108-90-7	Chlorobenzene	0.033	0.10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.073	0.10	U	75-00-3	Chloroethane	0.058	0.10	U
79-00-5	1,1,2-Trichloroethane	0.032	0.10	U	67-66-3	Chloroform	0.20	0.20	U
75-34-3	1,1-Dichloroethane	0.043	0.10	U	74-87-3	Chloromethane	0.052	0.10	U
75-35-4	1,1-Dichloroethene	0.053	0.10	U	156-59-2	cis-1,2-Dichloroethene	0.064	0.10	U
87-61-6	1,2,3-Trichlorobenzene	0.079	0.10	U	10061-01-5	cis-1,3-Dichloropropene	0.032	0.10	U
120-82-1	1,2,4-Trichlorobenzene	0.073	0.10	U	110-82-7	Cyclohexane	0.049	0.10	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.083	0.10	U	124-48-1	Dibromochloromethane	0.024	0.10	U
106-93-4	1,2-Dibromoethane	0.034	0.10	U	75-71-8	Dichlorodifluoromethane	0.062	0.10	U
95-50-1	1,2-Dichlorobenzene	0.032	0.10	U	100-41-4	Ethylbenzene	0.047	0.10	U
107-06-2	1,2-Dichloroethane	0.064	0.064	U	98-82-8	Isopropylbenzene	0.049	0.10	U
78-87-5	1,2-Dichloropropane	0.030	0.10	U	179601-23-1	m&p-Xylenes	0.085	0.10	U
541-73-1	1,3-Dichlorobenzene	0.038	0.10	U	79-20-9	Methyl Acetate	0.070	0.10	U
106-46-7	1,4-Dichlorobenzene	0.037	0.10	U	108-87-2	Methylcyclohexane	0.061	0.10	U
123-91-1	1,4-Dioxane	3.9	5.0	U	75-09-2	Methylene Chloride	0.029	0.10	U
78-93-3	2-Butanone	0.075	0.10	U	1634-04-4	Methyl-t-butyl ether	0.031	0.050	U
591-78-6	2-Hexanone	0.060	0.10	U	95-47-6	o-Xylene	0.068	0.10	U
108-10-1	4-Methyl-2-Pentanone	0.049	0.10	U	100-42-5	Styrene	0.054	0.10	U
67-64-1	Acetone	0.46	0.50	U	127-18-4	Tetrachloroethene	0.036	0.10	U
71-43-2	Benzene	0.030	0.050	U	108-88-3	Toluene	0.033	0.10	U
74-97-5	Bromochloromethane	0.079	0.10	U	156-60-5	trans-1,2-Dichloroethene	0.031	0.10	U
75-27-4	Bromodichloromethane	0.035	0.10	U	10061-02-6	trans-1,3-Dichloropropene	0.031	0.10	U
75-25-2	Bromoform	0.054	0.10	U	79-01-6	Trichloroethene	0.035	0.10	U
74-83-9	Bromomethane	0.050	0.10	U	75-69-4	Trichlorofluoromethane	0.031	0.10	U
75-15-0	Carbon Disulfide	0.042	0.10	U	75-01-4	Vinyl Chloride	0.071	0.10	U

Worksheet #: 593069

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK
Data File: 11M91507.D
Acq On : 05/21/21 11:05

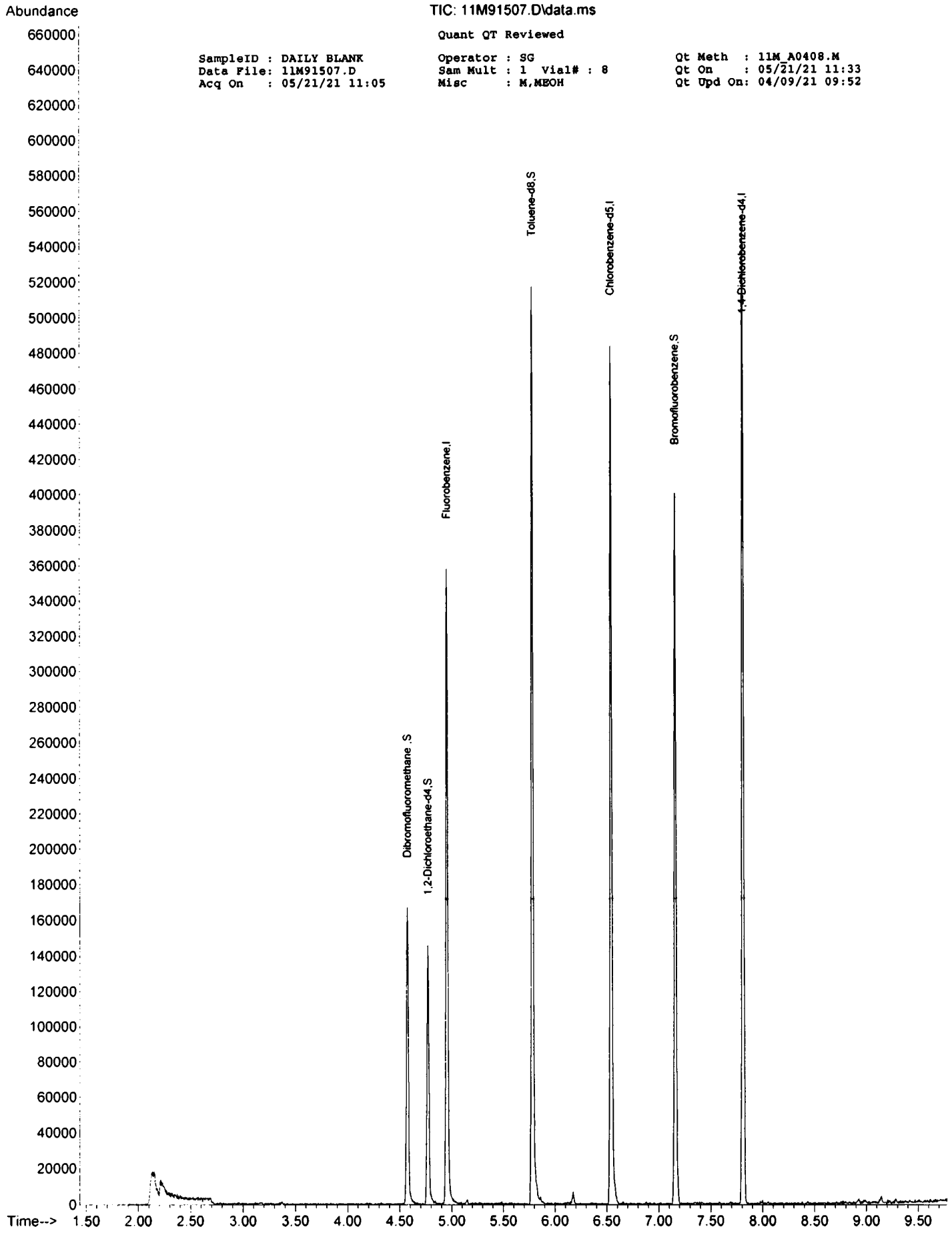
Operator : SG
Sam Mult : 1 Vial# : 8
Misc : M,MEOH

Qt Meth : 11M_A0408.M
Qt On : 05/21/21 11:33
Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-21-21\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.951	96	227248	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	209943	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.810	152	111571	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.572	111	64246	29.28	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.60%			
39) 1,2-Dichloroethane-d4	4.768	67	30894	31.81	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.03%			
66) Toluene-d8	5.781	98	244059	29.03	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.77%			
76) Bromofluorobenzene	7.160	174	90772	31.17	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.90%			
Target Compounds						Qvalue

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


Abundance
TIC: 11M91507.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 11M91507.D
Acq On : 05/21/21 11:05
Operator : SG
Sam Mult : 1 Vial# : 8
Misc : M,MEOH
Qt Meth : 11M_A0408.M
Qt On : 05/21/21 11:33
Qt Upd On: 04/09/21 09:52
Dibromofluoromethane .S
1,2-Dichloroethane-d4.S
Fluorobenzene.I
Toluene-d8.S
Chlorobenzene-d5.I
Bromofluorobenzene.S
1,4-Dichlorobenzene-d4.I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 11M91572.D
Analysis Date: 05/24/21 11:12
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 5g:10ml
Final Vol: NA
Dilution: 100
Solids: 100

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.036	0.10	U	56-23-5	Carbon Tetrachloride	0.032	0.10	U
79-34-5	1,1,2,2-Tetrachloroethane	0.045	0.10	U	108-90-7	Chlorobenzene	0.033	0.10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.073	0.10	U	75-00-3	Chloroethane	0.058	0.10	U
79-00-5	1,1,2-Trichloroethane	0.032	0.10	U	67-66-3	Chloroform	0.20	0.20	U
75-34-3	1,1-Dichloroethane	0.043	0.10	U	74-87-3	Chloromethane	0.052	0.10	U
75-35-4	1,1-Dichloroethene	0.053	0.10	U	156-59-2	cis-1,2-Dichloroethene	0.064	0.10	U
87-61-6	1,2,3-Trichlorobenzene	0.079	0.10	U	10061-01-5	cis-1,3-Dichloropropene	0.032	0.10	U
120-82-1	1,2,4-Trichlorobenzene	0.073	0.10	U	110-82-7	Cyclohexane	0.049	0.10	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.083	0.10	U	124-48-1	Dibromochloromethane	0.024	0.10	U
106-93-4	1,2-Dibromoethane	0.034	0.10	U	75-71-8	Dichlorodifluoromethane	0.062	0.10	U
95-50-1	1,2-Dichlorobenzene	0.032	0.10	U	100-41-4	Ethylbenzene	0.047	0.10	U
107-06-2	1,2-Dichloroethane	0.064	0.064	U	98-82-8	Isopropylbenzene	0.049	0.10	U
78-87-5	1,2-Dichloropropane	0.030	0.10	U	179601-23-1	m&p-Xylenes	0.085	0.10	U
541-73-1	1,3-Dichlorobenzene	0.038	0.10	U	79-20-9	Methyl Acetate	0.070	0.10	U
106-46-7	1,4-Dichlorobenzene	0.037	0.10	U	108-87-2	Methylcyclohexane	0.061	0.10	U
123-91-1	1,4-Dioxane	3.9	5.0	U	75-09-2	Methylene Chloride	0.029	0.10	U
78-93-3	2-Butanone	0.075	0.10	U	1634-04-4	Methyl-t-butyl ether	0.031	0.050	U
591-78-6	2-Hexanone	0.060	0.10	U	95-47-6	o-Xylene	0.068	0.10	U
108-10-1	4-Methyl-2-Pentanone	0.049	0.10	U	100-42-5	Styrene	0.054	0.10	U
67-64-1	Acetone	0.46	0.50	U	127-18-4	Tetrachloroethene	0.036	0.10	U
71-43-2	Benzene	0.030	0.050	U	108-88-3	Toluene	0.033	0.10	U
74-97-5	Bromochloromethane	0.079	0.10	U	156-60-5	trans-1,2-Dichloroethene	0.031	0.10	U
75-27-4	Bromodichloromethane	0.035	0.10	U	10061-02-6	trans-1,3-Dichloropropene	0.031	0.10	U
75-25-2	Bromoform	0.054	0.10	U	79-01-6	Trichloroethene	0.035	0.10	U
74-83-9	Bromomethane	0.050	0.10	U	75-69-4	Trichlorofluoromethane	0.031	0.10	U
75-15-0	Carbon Disulfide	0.042	0.10	U	75-01-4	Vinyl Chloride	0.071	0.10	U

Worksheet #: 593069

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK Operator : SG Qt Meth : 11M_A0408.M
Data File: 11M91572.D Sam Mult : 1 Vial# : 12 Qt On : 05/24/21 11:26
Acq On : 05/24/21 11:12 Misc : M,MEOH Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-24-21\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.951	96	298744	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	287091	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.810	152	155078	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.575	111	83873	29.07	ug/l	0.00
Spiked Amount 30.000			Recovery =	96.90%		
39) 1,2-Dichloroethane-d4	4.771	67	43563	34.12	ug/l	0.00
Spiked Amount 30.000			Recovery =	113.73%		
66) Toluene-d8	5.781	98	324310	28.21	ug/l	0.00
Spiked Amount 30.000			Recovery =	94.03%		
76) Bromofluorobenzene	7.160	174	122336	30.22	ug/l	0.00
Spiked Amount 30.000			Recovery =	100.73%		
Target Compounds						Qvalue

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

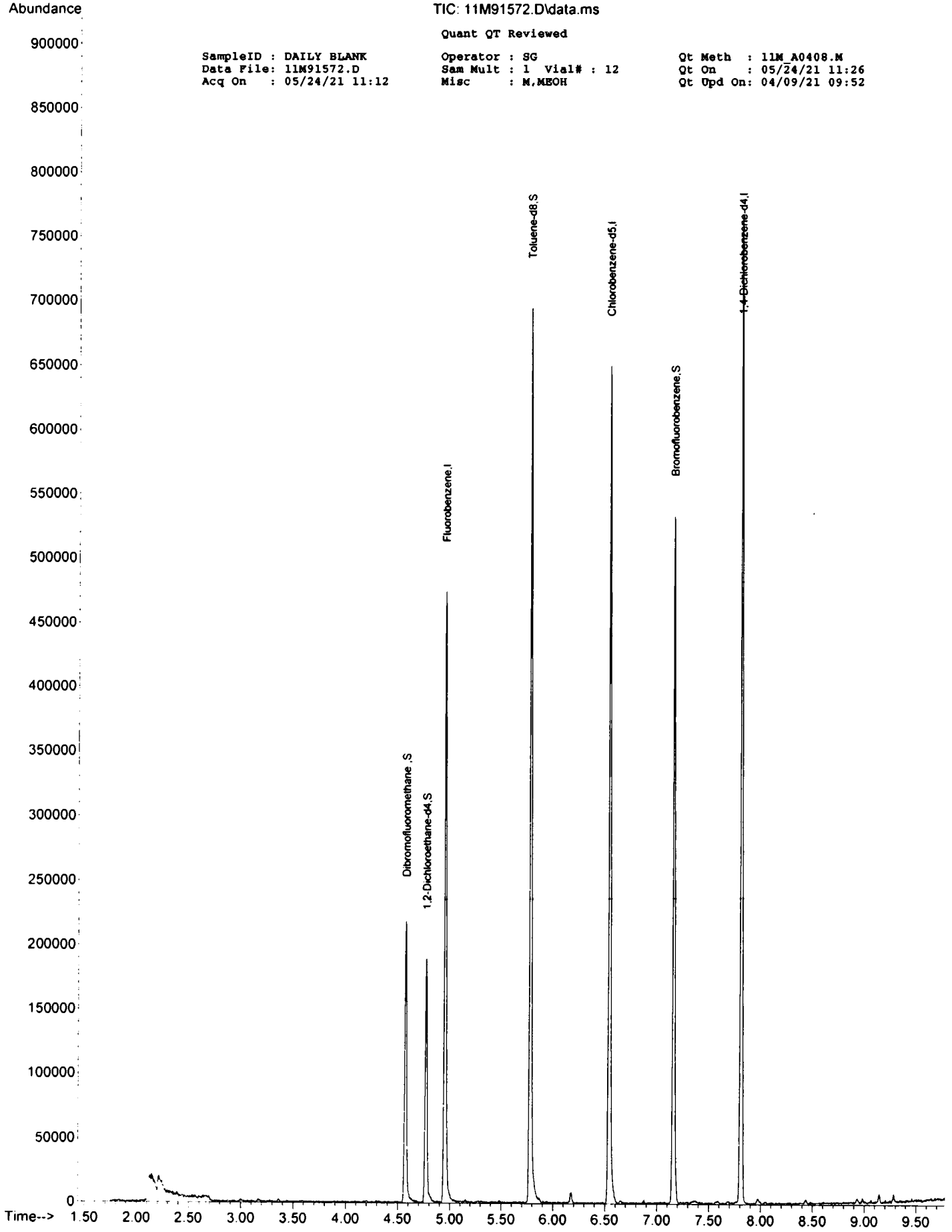
TIC: 11M91572.D\data.ms

Quant QT Reviewed

SampleID : DAILY BLANK
Data File: 11M91572.D
Acq On : 05/24/21 11:12

Operator : SG
Sam Mult : 1 Vial# : 12
Misc : M,MEOH

Qt Meth : 11M_A0408.M
Qt On : 05/24/21 11:26
Qt Upd On: 04/09/21 09:52



Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 6M140157.D
Analysis Date: 05/19/21 10:18
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5g
Final Vol: NA
Dilution: 1.00
Solids: 100

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.00092	0.0020	U	56-23-5	Carbon Tetrachloride	0.00097	0.0020	U
79-34-5	1,1,2,2-Tetrachloroethane	0.00045	0.0020	U	108-90-7	Chlorobenzene	0.00062	0.0020	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0014	0.0020	U	75-00-3	Chloroethane	0.0020	0.0020	U
79-00-5	1,1,2-Trichloroethane	0.00046	0.0020	U	67-66-3	Chloroform	0.0014	0.0020	U
75-34-3	1,1-Dichloroethane	0.00087	0.0020	U	74-87-3	Chloromethane	0.0012	0.0020	U
75-35-4	1,1-Dichloroethene	0.0012	0.0020	U	156-59-2	cis-1,2-Dichloroethene	0.00081	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	0.00055	0.0020	U	10061-01-5	cis-1,3-Dichloropropene	0.00053	0.0020	U
120-82-1	1,2,4-Trichlorobenzene	0.00063	0.0020	U	110-82-7	Cyclohexane	0.0012	0.0020	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.00055	0.0020	U	124-48-1	Dibromochloromethane	0.00043	0.0020	U
106-93-4	1,2-Dibromoethane	0.00049	0.00050	U	75-71-8	Dichlorodifluoromethane	0.0014	0.0020	U
95-50-1	1,2-Dichlorobenzene	0.00051	0.0020	U	100-41-4	Ethylbenzene	0.00069	0.0010	U
107-06-2	1,2-Dichloroethane	0.00041	0.0020	U	98-82-8	Isopropylbenzene	0.00083	0.0010	U
78-87-5	1,2-Dichloropropane	0.00082	0.0020	U	179601-23-1	m&p-Xylenes	0.0012	0.0012	U
541-73-1	1,3-Dichlorobenzene	0.00055	0.0020	U	79-20-9	Methyl Acetate	0.00096	0.0020	U
106-46-7	1,4-Dichlorobenzene	0.00053	0.0020	U	108-87-2	Methylcyclohexane	0.00090	0.0020	U
123-91-1	1,4-Dioxane	0.049	0.10	U	75-09-2	Methylene Chloride	0.00075	0.0020	U
78-93-3	2-Butanone	0.0012	0.0020	U	1634-04-4	Methyl-t-butyl ether	0.00054	0.0010	U
591-78-6	2-Hexanone	0.00085	0.0020	U	95-47-6	o-Xylene	0.00071	0.0010	U
108-10-1	4-Methyl-2-Pentanone	0.00058	0.0020	U	100-42-5	Styrene	0.00055	0.0020	U
67-64-1	Acetone	0.0068	0.010	U	127-18-4	Tetrachloroethene	0.00098	0.0020	U
71-43-2	Benzene	0.00073	0.0010	U	108-88-3	Toluene	0.00066	0.0010	U
74-97-5	Bromochloromethane	0.00070	0.0020	U	156-60-5	trans-1,2-Dichloroethene	0.0012	0.0020	U
75-27-4	Bromodichloromethane	0.00047	0.0020	U	10061-02-6	trans-1,3-Dichloropropene	0.00047	0.0020	U
75-25-2	Bromoform	0.00033	0.0020	U	79-01-6	Trichloroethene	0.00082	0.0020	U
74-83-9	Bromomethane	0.0016	0.0020	U	75-69-4	Trichlorofluoromethane	0.0012	0.0020	U
75-15-0	Carbon Disulfide	0.0034	0.0034	U	75-01-4	Vinyl Chloride	0.0012	0.0020	U

Worksheet #: 593069

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

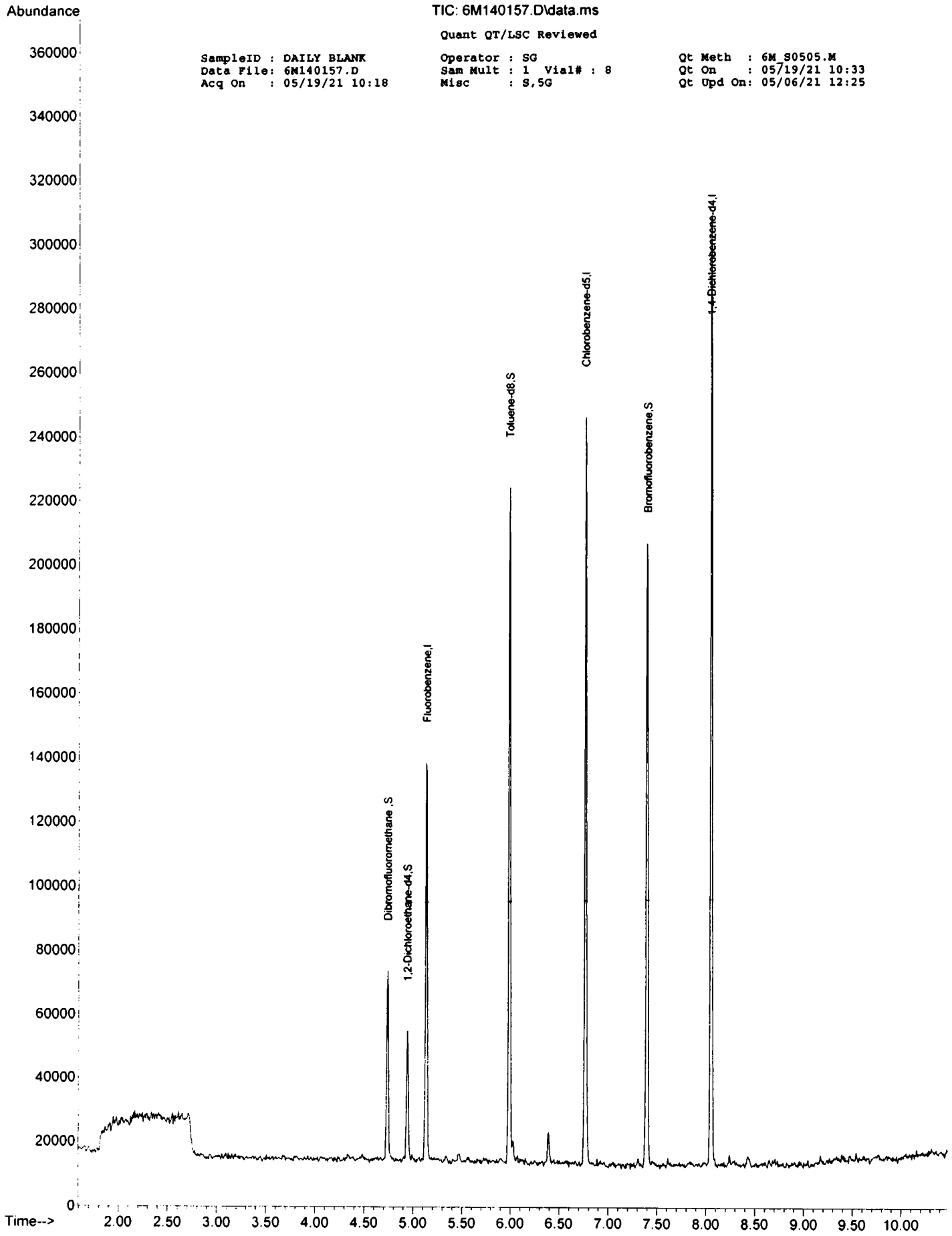
U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

SampleID : DAILY BLANK Operator : SG Qt Meth : 6M_S0505.M
Data File: 6M140157.D Sam Mult : 1 Vial# : 8 Qt On : 05/19/21 10:33
Acq On : 05/19/21 10:18 Misc : S,5G Qt Upd On: 05/06/21 12:25

Data Path : G:\GcMsData\2021\GCMS_6\Data\05-19-21\
Qt Path : G:\GcMsData\2021\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.135	96	77178	30.00	ug/l	0.01
52) Chlorobenzene-d5	6.763	117	97927	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.050	152	61413	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.739	111	23076	30.03	ug/l	0.01
Spiked Amount 30.000			Recovery = 100.10%			
39) 1,2-Dichloroethane-d4	4.940	67	8371	24.00	ug/l	0.01
Spiked Amount 30.000			Recovery = 80.00%			
66) Toluene-d8	5.989	98	93808	27.37	ug/l	0.00
Spiked Amount 30.000			Recovery = 91.23%			
76) Bromofluorobenzene	7.397	174	46650	28.72	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.73%			
Target Compounds						Qvalue

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


Abundance
TIC: 6M140157.D\data.ms
Quant QT/LSC Reviewed
SampleID : DAILY BLANK
Data File: 6M140157.D
Acq On : 05/19/21 10:18
Operator : SG
Sam Mult : 1 Vial# : 8
Misc : S,5G
Qt Meth : 6M_S0505.M
Qt On : 05/19/21 10:33
Qt Upd On: 05/06/21 12:25
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 6M140321.D
Analysis Date: 05/24/21 12:04
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5g
Final Vol: NA
Dilution: 1.00
Solids: 100

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.00092	0.0020	U	56-23-5	Carbon Tetrachloride	0.00097	0.0020	U
79-34-5	1,1,2,2-Tetrachloroethane	0.00045	0.0020	U	108-90-7	Chlorobenzene	0.00062	0.0020	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0014	0.0020	U	75-00-3	Chloroethane	0.0020	0.0020	U
79-00-5	1,1,2-Trichloroethane	0.00046	0.0020	U	67-66-3	Chloroform	0.0014	0.0020	U
75-34-3	1,1-Dichloroethane	0.00087	0.0020	U	74-87-3	Chloromethane	0.0012	0.0020	U
75-35-4	1,1-Dichloroethene	0.0012	0.0020	U	156-59-2	cis-1,2-Dichloroethene	0.00081	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	0.00055	0.0020	U	10061-01-5	cis-1,3-Dichloropropene	0.00053	0.0020	U
120-82-1	1,2,4-Trichlorobenzene	0.00063	0.0020	U	110-82-7	Cyclohexane	0.0012	0.0020	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.00055	0.0020	U	124-48-1	Dibromochloromethane	0.00043	0.0020	U
106-93-4	1,2-Dibromoethane	0.00049	0.00050	U	75-71-8	Dichlorodifluoromethane	0.0014	0.0020	U
95-50-1	1,2-Dichlorobenzene	0.00051	0.0020	U	100-41-4	Ethylbenzene	0.00069	0.0010	U
107-06-2	1,2-Dichloroethane	0.00041	0.0020	U	98-82-8	Isopropylbenzene	0.00083	0.0010	U
78-87-5	1,2-Dichloropropane	0.00082	0.0020	U	179601-23-1	m&p-Xylenes	0.0012	0.0012	U
541-73-1	1,3-Dichlorobenzene	0.00055	0.0020	U	79-20-9	Methyl Acetate	0.00096	0.0020	U
106-46-7	1,4-Dichlorobenzene	0.00053	0.0020	U	108-87-2	Methylcyclohexane	0.00090	0.0020	U
123-91-1	1,4-Dioxane	0.049	0.10	U	75-09-2	Methylene Chloride	0.00075	0.0020	U
78-93-3	2-Butanone	0.0012	0.0020	U	1634-04-4	Methyl-t-butyl ether	0.00054	0.0010	U
591-78-6	2-Hexanone	0.00085	0.0020	U	95-47-6	o-Xylene	0.00071	0.0010	U
108-10-1	4-Methyl-2-Pentanone	0.00058	0.0020	U	100-42-5	Styrene	0.00055	0.0020	U
67-64-1	Acetone	0.0068	0.010	U	127-18-4	Tetrachloroethene	0.00098	0.0020	U
71-43-2	Benzene	0.00073	0.0010	U	108-88-3	Toluene	0.00066	0.0010	U
74-97-5	Bromochloromethane	0.00070	0.0020	U	156-60-5	trans-1,2-Dichloroethene	0.0012	0.0020	U
75-27-4	Bromodichloromethane	0.00047	0.0020	U	10061-02-6	trans-1,3-Dichloropropene	0.00047	0.0020	U
75-25-2	Bromoform	0.00033	0.0020	U	79-01-6	Trichloroethene	0.00082	0.0020	U
74-83-9	Bromomethane	0.0016	0.0020	U	75-69-4	Trichlorofluoromethane	0.0012	0.0020	U
75-15-0	Carbon Disulfide	0.0034	0.0034	U	75-01-4	Vinyl Chloride	0.0012	0.0020	U

Worksheet # 593069

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

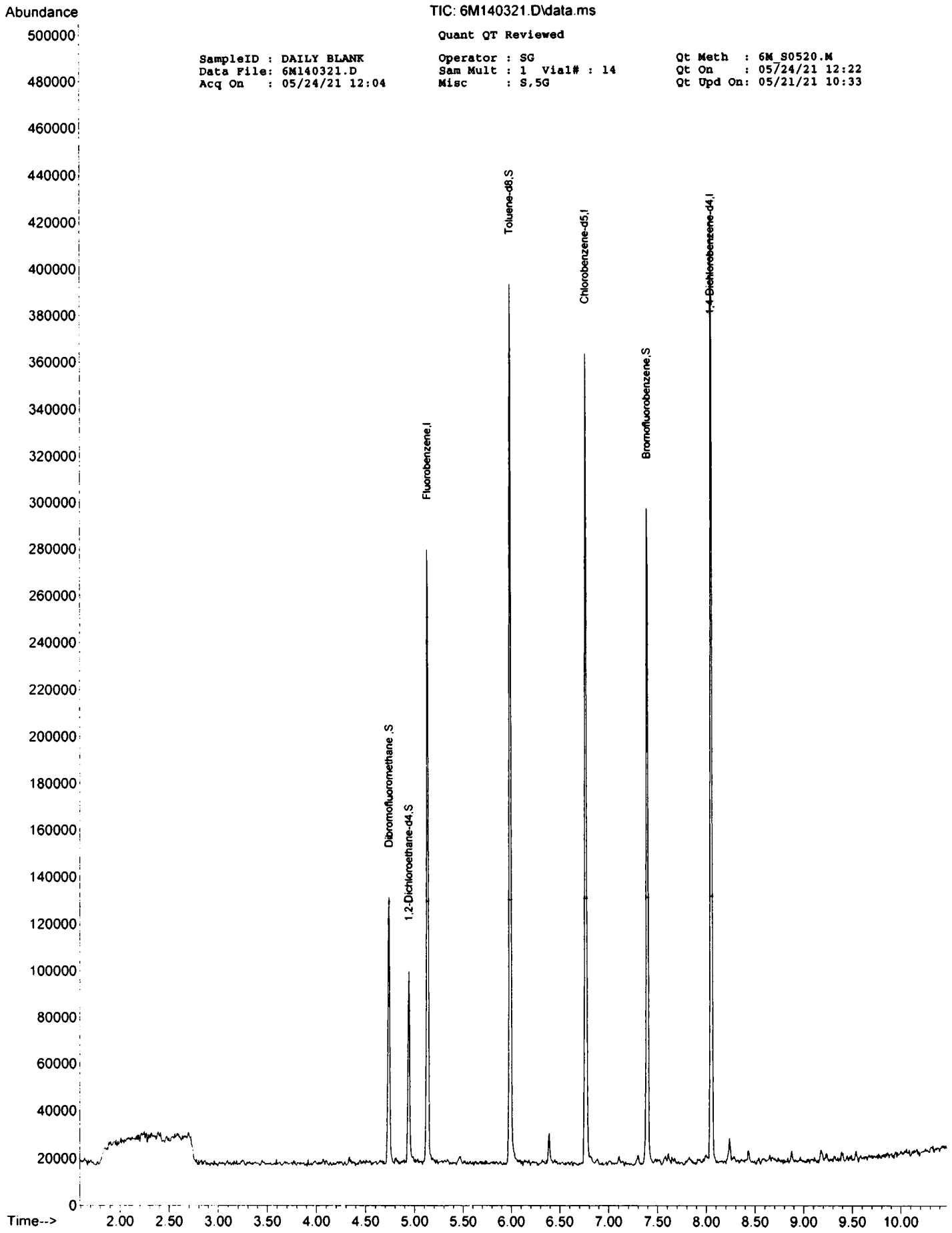
Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK Operator : SG Qt Meth : 6M_S0520.M
Data File: 6M140321.D Sam Mult : 1 Vial# : 14 Qt On : 05/24/21 12:22
Acq On : 05/24/21 12:04 Misc : S,5G Qt Upd On: 05/21/21 10:33

Data Path : G:\GcMsData\2021\GCMS_6\Data\05-24-21\
Qt Path : G:\GcMsData\2021\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.129	96	162734	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.763	117	153917	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.049	152	87255	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.739	111	44536	26.91	ug/l	0.01
Spiked Amount 30.000			Recovery = 89.70%			
39) 1,2-Dichloroethane-d4	4.940	67	17435	26.96	ug/l	0.01
Spiked Amount 30.000			Recovery = 89.87%			
66) Toluene-d8	5.989	98	172947	35.65	ug/l	0.00
Spiked Amount 30.000			Recovery = 118.83%			
76) Bromofluorobenzene	7.391	174	63576	30.52	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.73%			
Target Compounds						Qvalue

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


Abundance
TIC: 6M140321.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 6M140321.D
Acq On : 05/24/21 12:04
Operator : SG
Sam Mult : 1 Vial# : 14
Misc : S,5G
Qt Meth : 6M_S0520.M
Qt On : 05/24/21 12:22
Qt Upd On: 05/21/21 10:33
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

FORM2

Surrogate Recovery

Method: EPA 8260D

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
11M91238.D	DAILY BLANK	M	05/17/21 10:00	1		97	110	101	103		
11M91307.D	DAILY BLANK	M	05/18/21 11:06	1		99	113	94	102		
11M91344.D	DAILY BLANK	M	05/19/21 00:23	1		98	114	100	103		
11M91401.D	DAILY BLANK	M	05/19/21 20:30	1		101	112	97	99		
11M91469.D	DAILY BLANK	M	05/20/21 20:56	1		97	111	97	100		
11M91507.D	DAILY BLANK	M	05/21/21 11:05	1		98	106	97	104		
11M91572.D	DAILY BLANK	M	05/24/21 11:12	1		97	114	94	101		
1M148861.D	DAILY BLANK	S	05/25/21 14:18	1		106	104	101	99		
6M140157.D	DAILY BLANK	S	05/19/21 10:18	1		100	80	91	96		
6M140321.D	DAILY BLANK	S	05/24/21 12:04	1		90	90	119	102		
11M91345.D	AD23375-001(8uL)	M	05/19/21 00:44	1		98	118	96	101		
11M91263.D	AD23375-002(8uL)	M	05/17/21 18:58	1		99	111	97	105		
11M91264.D	AD23375-003(8uL)	M	05/17/21 19:19	1		96	109	97	103		
11M91265.D	AD23375-004(8uL)	M	05/17/21 19:41	1		97	112	97	102		
11M91266.D	AD23375-005(8uL)	M	05/17/21 20:02	1		96	107	95	104		
11M91593.D	AD23375-006(8uL)	M	05/24/21 18:43	1		98	111	93	102		
6M140341.D	AD23375-007	S	05/24/21 19:22	1		93	106	120	108		
11M91352.D	AD23375-008	M	05/19/21 03:14	1		93	111	94	97		
6M140160.D	AD23375-009	S	05/19/21 11:21	1		100	94	92	90		
11M91513.D	AD23375-010(8uL)	M	05/21/21 13:14	1		96	110	94	103		
11M91331.D	AD23375-011(8uL)	M	05/18/21 19:43	1		99	116	94	100		
11M91332.D	AD23375-012(8uL)	M	05/18/21 20:04	1		98	107	94	102		
11M91333.D	AD23375-013(8uL)	M	05/18/21 20:26	1		102	114	95	100		
11M91355.D	AD23375-014(80uL)	M	05/19/21 04:19	1		99	115	93	102		
11M91354.D	AD23375-015	M	05/19/21 03:57	1		95	114	99	99		
11M91419.D	AD23375-016	M	05/20/21 02:57	1		96	111	97	101		
11M91494.D	AD23375-017	M	05/21/21 05:50	1		94	108	98	101		
11M91421.D	AD23375-018	M	05/20/21 03:40	1		99	109	96	96		
1M148862.D	AD23375-019	S	05/25/21 14:44	1		116	127	98	99		
11M91424.D	AD23375-020(8uL)	M	05/20/21 04:45	1		93	111	96	101		
11M91244.D	MBS92597	M	05/17/21 12:09	1		101	102	99	99		
11M91248.D	AD23406-005	M	05/17/21 13:35	1		98	112	98	103		
11M91256.D	AD23406-005(MS)	M	05/17/21 16:27	1		96	106	99	97		
11M91257.D	AD23406-005(MSD)	M	05/17/21 16:49	1		100	113	99	99		
11M91320.D	AD23397-002(MS)	M	05/18/21 15:47	1		98	109	101	95		
11M91321.D	AD23397-002(MSD)	M	05/18/21 16:08	1		94	109	99	99		
11M91327.D	AD23397-002	M	05/18/21 18:17	1		93	106	99	97		
11M91329.D	MBS92618	M	05/18/21 19:00	1		96	109	103	98		
11M91347.D	MBS92620	M	05/19/21 01:27	1		98	113	98	94		
11M91348.D	AD23406-010(MSD)	M	05/19/21 01:48	1		97	106	98	95		
11M91349.D	AD23406-010(MS)	M	05/19/21 02:09	1		97	109	99	99		
11M91350.D	AD23406-010	M	05/19/21 02:31	1		96	110	97	102		
11M91404.D	MBS92626	M	05/19/21 21:35	1		100	107	100	97		
11M91411.D	AD23438-001	M	05/20/21 00:06	1		95	110	96	98		
11M91415.D	AD23438-001(MS)	M	05/20/21 01:31	1		91	112	97	96		
11M91416.D	AD23438-001(MSD)	M	05/20/21 01:52	1		93	109	98	96		
11M91472.D	MBS93440	M	05/20/21 22:00	1		97	112	101	100		
11M91474.D	AD23491-001(MS)	M	05/20/21 22:43	1		95	104	99	93		
11M91475.D	AD23491-001(MSD)	M	05/20/21 23:04	1		101	108	96	92		

Flags: SD=Surrogate diluted out

*=Surrogate out

Method: EPA 8260D

Soil Laboratory Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	63-140
S2=1,2-Dichloroethane-d4	30	63-143
S3=Toluene-d8	30	68-122
S4=Bromofluorobenzene	30	64-129

FORM2

Surrogate Recovery

Method: EPA 8260D

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
11M91476.D	AD23491-001	M	05/20/21 23:25	1		92	108	97	103		
11M91511.D	AD23438-009	M	05/21/21 12:31	1		96	106	96	99		
11M91519.D	MBS93449	M	05/21/21 15:28	1		95	106	98	99		
11M91527.D	AD23438-009(MS)	M	05/21/21 18:20	1		100	109	96	108		
11M91528.D	AD23438-009(MSD)	M	05/21/21 18:41	1		98	107	97	102		
11M91576.D	MBS93465	M	05/24/21 12:38	1		100	109	96	98		
11M91590.D	AD23533-001	M	05/24/21 17:39	1		98	114	96	100		
11M91594.D	AD23533-001(MS)	M	05/24/21 19:04	1		98	107	97	95		
11M91595.D	AD23533-001(MSD)	M	05/24/21 19:26	1		94	109	95	97		
1M148864.D	AD23575-003	S	05/25/21 15:25	1		104	112	101	100		
1M148865.D	MBS93494	S	05/25/21 15:45	1		103	107	105	98		
1M148868.D	AD23575-003(MS)	S	05/25/21 16:46	1		101	95	102	97		
1M148869.D	AD23575-003(MSD)	S	05/25/21 17:06	1		102	93	102	101		
6M140163.D	AD23353-006(MS)	S	05/19/21 12:23	1		100	88	94	85		
6M140164.D	AD23353-006(MSD)	S	05/19/21 12:44	1		98	90	93	87		
6M140165.D	MBS92624	S	05/19/21 13:05	1		95	87	94	88		
6M140166.D	AD23353-006	S	05/19/21 13:26	1		98	86	91	93		
6M140324.D	MBS93466	S	05/24/21 13:08	1		90	95	117	94		
6M140330.D	AD23511-001	S	05/24/21 15:17	1		97	104	121	109		
6M140334.D	AD23511-001(MS)	S	05/24/21 16:46	1		98	110	121	105		
6M140335.D	AD23511-001(MSD)	S	05/24/21 17:08	1		94	98	122	105		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8260D

Soil Laboratory Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	63-140
S2=1,2-Dichloroethane-d4	30	63-143
S3=Toluene-d8	30	68-122
S4=Bromofluorobenzene	30	64-129

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92597

Data File	Sample ID:	Analysis Date
Spike or Dup: 11M91244.D	MBS92597	5/17/2021 12:09:00 PM
Non Spike(If applicable):		
Inst Blank(If applicable):		

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	15.4602	0	20	77	50	150
Dichlorodifluoromethane	1	55.4073	0	20	277*	50	150
Chloromethane	1	32.2744	0	20	161*	50	150
Bromomethane	1	33.6	0	20	168*	50	150
Vinyl Chloride	1	29.4687	0	20	147	50	150
Chloroethane	1	42.2207	0	20	211*	50	150
Trichlorofluoromethane	1	27.3709	0	20	137	50	150
Ethyl ether	1	20.8723	0	20	104	50	150
Furan	1	15.8666	0	20	79	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	26.2717	0	20	131	50	150
Methylene Chloride	1	26.4253	0	20	132*	70	130
Acrolein	1	133.2993	0	100	133	50	150
Acrylonitrile	1	32.3789	0	20	162*	50	150
Iodomethane	1	18.3706	0	20	92	50	150
Acetone	1	152.7132	0	100	153*	50	150
Carbon Disulfide	1	23.2299	0	20	116	50	150
t-Butyl Alcohol	1	87.4974	0	100	87	50	150
n-Hexane	1	28.9431	0	20	145*	70	130
Di-isopropyl-ether	1	28.0807	0	20	140*	70	130
1,1-Dichloroethene	1	26.7788	0	20	134*	70	130
Methyl Acetate	1	37.8329	0	20	189*	50	150
Methyl-t-butyl ether	1	29.9986	0	20	150*	70	130
1,1-Dichloroethane	1	24.3425	0	20	122	70	130
trans-1,2-Dichloroethene	1	24.1894	0	20	121	70	130
Ethyl-t-butyl ether	1	23.5766	0	20	118	70	130
cis-1,2-Dichloroethene	1	24.484	0	20	122	70	130
Bromochloromethane	1	24.8796	0	20	124	70	130
2,2-Dichloropropane	1	23.7348	0	20	119	70	130
Ethyl acetate	1	23.2976	0	20	116	50	150
1,4-Dioxane	1	1088.464	0	1000	109	50	150
1,1-Dichloropropene	1	24.5356	0	20	123	70	130
Chloroform	1	24.1993	0	20	121	70	130
Cyclohexane	1	25.7293	0	20	129	70	130
1,2-Dichloroethane	1	23.3603	0	20	117	70	130
2-Butanone	1	24.3853	0	20	122	50	150
1,1,1-Trichloroethane	1	22.7915	0	20	114	70	130
Carbon Tetrachloride	1	21.0722	0	20	105	50	150
Vinyl Acetate	1	20.7754	0	20	104	50	150
Bromodichloromethane	1	24.0592	0	20	120	70	130
Methylcyclohexane	1	24.0638	0	20	120	70	130
Dibromomethane	1	24.083	0	20	120	70	130
1,2-Dichloropropane	1	25.8167	0	20	129	70	130
Trichloroethene	1	23.0107	0	20	115	70	130
Benzene	1	23.609	0	20	118	70	130
tert-Amyl methyl ether	1	23.1933	0	20	116	70	130
Iso-propylacetate	1	22.9097	0	20	115	70	130
Methyl methacrylate	1	24.4277	0	20	122	70	130
Dibromochloromethane	1	24.6809	0	20	123	70	130
2-Chloroethylvinylether	1	36.4919	0	20	182*	70	130
cis-1,3-Dichloropropene	1	26.8591	0	20	134*	70	130
trans-1,3-Dichloropropene	1	27.3605	0	20	137*	70	130
Ethyl methacrylate	1	24.2307	0	20	121	70	130
1,1,2-Trichloroethane	1	26.5862	0	20	133*	70	130
1,2-Dibromoethane	1	26.0272	0	20	130	70	130
1,3-Dichloropropane	1	25.9836	0	20	130	70	130
4-Methyl-2-Pentanone	1	23.6555	0	20	118	50	150
2-Hexanone	1	21.2863	0	20	106	50	150
Tetrachloroethene	1	22.362	0	20	112	50	150
Toluene	1	25.2518	0	20	126	70	130
1,1,1,2-Tetrachloroethane	1	22.9046	0	20	115	70	130
Chlorobenzene	1	24.7853	0	20	124	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92597

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	21.8606	0	20	109	70	130
n-Amyl acetate	1	18.6883	0	20	93	70	130
Bromoform	**1**	**24.0272**	**0**	**20**	**120**	**70**	**130**
Ethylbenzene	**1**	**22.7881**	**0**	**20**	**114**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**27.0069**	**0**	**20**	**135***	**70**	**130**
Styrene	**1**	**23.3983**	**0**	**20**	**117**	**70**	**130**
m&p-Xylenes	**1**	**49.8764**	**0**	**40**	**125**	**70**	**130**
o-Xylene	**1**	**22.6063**	**0**	**20**	**113**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	21.8471	0	20	109	50	150
1,3-Dichlorobenzene	**1**	**23.7104**	**0**	**20**	**119**	**70**	**130**
1,4-Dichlorobenzene	**1**	**24.1114**	**0**	**20**	**121**	**70**	**130**
1,2-Dichlorobenzene	**1**	**24.9493**	**0**	**20**	**125**	**70**	**130**
Isopropylbenzene	**1**	**23.4493**	**0**	**20**	**117**	**70**	**130**
Cyclohexanone	1	102.1429	0	100	102	50	150
Camphene	1	22.0834	0	20	110	70	130
1,2,3-Trichloropropane	1	23.398	0	20	117	70	130
2-Chlorotoluene	1	23.3685	0	20	117	70	130
p-Ethyltoluene	1	22.3749	0	20	112	70	130
4-Chlorotoluene	1	23.5403	0	20	118	70	130
n-Propylbenzene	1	24.3507	0	20	122	70	130
Bromobenzene	1	24.0954	0	20	120	70	130
1,3,5-Trimethylbenzene	1	20.2084	0	20	101	70	130
Butyl methacrylate	1	22.6432	0	20	113	70	130
t-Butylbenzene	1	23.7516	0	20	119	70	130
1,2,4-Trimethylbenzene	1	25.5506	0	20	128	70	130
sec-Butylbenzene	1	24.2313	0	20	121	70	130
4-Isopropyltoluene	1	24.0206	0	20	120	70	130
n-Butylbenzene	1	24.2673	0	20	121	70	130
p-Diethylbenzene	1	22.9176	0	20	115	70	130
1,2,4,5-Tetramethylbenzene	1	24.2146	0	20	121	70	130
1,2-Dibromo-3-Chloropropane	**1**	**25.5753**	**0**	**20**	**128**	**50**	**150**
Camphor	1	204.046	0	200	102	20	150
Hexachlorobutadiene	1	27.4502	0	20	137	50	150
1,2,4-Trichlorobenzene	**1**	**28.537**	**0**	**20**	**143***	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**35.4616**	**0**	**20**	**177***	**70**	**130**
Naphthalene	1	37.1047	0	20	186*	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92597

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91256.D	AD23406-005(MS)	5/17/2021 4:27:00 PM
Non Spike(If applicable):	11M91248.D	AD23406-005	5/17/2021 1:35:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	24.5743	0	20	123	50	150
Dichlorodifluoromethane	1	34.9361	0	20	175*	50	150
Chloromethane	1	26.0568	0	20	130	50	150
Bromomethane	1	9.4169	1.7883	20	38*	50	150
Vinyl Chloride	1	22.9344	0	20	115	50	150
Chloroethane	1	55.3223	0	20	277*	50	150
Trichlorofluoromethane	1	33.6039	0	20	168*	50	150
Ethyl ether	1	29.7116	0	20	149	50	150
Furan	1	27.5761	0	20	138	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	27.7981	0	20	139	50	150
Methylene Chloride	1	25.2887	0	20	126	70	130
Acrolein	1	164.958	0	100	165*	50	150
Acrylonitrile	1	37.5904	0	20	188*	50	150
Iodomethane	1	13.5175	0	20	68	50	150
Acetone	1	183.7303	0	100	184*	50	150
Carbon Disulfide	1	22.9971	0	20	115	50	150
t-Butyl Alcohol	1	96.0122	0	100	96	50	150
n-Hexane	1	30.7893	0	20	154*	70	130
Di-isopropyl-ether	1	30.898	0	20	154*	70	130
1,1-Dichloroethene	1	26.0388	0	20	130	70	130
Methyl Acetate	1	43.8903	0	20	219*	50	150
Methyl-t-butyl ether	1	33.4351	0	20	167*	70	130
1,1-Dichloroethane	1	24.2083	0	20	121	70	130
trans-1,2-Dichloroethene	1	23.9599	0	20	120	70	130
Ethyl-t-butyl ether	1	26.3508	0	20	132*	70	130
cis-1,2-Dichloroethene	1	24.0865	0	20	120	70	130
Bromochloromethane	1	25.9475	0	20	130	70	130
2,2-Dichloropropane	1	22.9356	0	20	115	70	130
Ethyl acetate	1	27.2532	0	20	136	50	150
1,4-Dioxane	1	1059.425	96.5312	1000	96	50	150
1,1-Dichloropropene	1	23.0091	0	20	115	70	130
Chloroform	1	23.3287	0	20	117	70	130
Cyclohexane	1	28.1663	0	20	141*	70	130
1,2-Dichloroethane	1	22.6776	0	20	113	70	130
2-Butanone	1	24.3637	0	20	122	50	150
1,1,1-Trichloroethane	1	22.6715	0	20	113	70	130
Carbon Tetrachloride	1	19.9916	0	20	100	50	150
Vinyl Acetate	1	22.8163	0	20	114	50	150
Bromodichloromethane	1	22.0502	0	20	110	70	130
Methylcyclohexane	1	25.4671	0	20	127	70	130
Dibromomethane	1	23.0687	0	20	115	70	130
1,2-Dichloropropane	1	24.2296	0	20	121	70	130
Trichloroethene	1	21.7722	0	20	109	70	130
Benzene	1	23.4986	0	20	117	70	130
tert-Amyl methyl ether	1	23.062	0	20	115	70	130
Iso-propylacetate	1	24.4672	0	20	122	70	130
Methyl methacrylate	1	23.8501	0	20	119	70	130
Dibromochloromethane	1	22.2482	0	20	111	70	130
2-Chloroethylvinylether	1	7.5207	0	20	38*	70	130
cis-1,3-Dichloropropene	1	25.2652	0	20	126	70	130
trans-1,3-Dichloropropene	1	23.5262	0	20	118	70	130
Ethyl methacrylate	1	24.7997	0	20	124	70	130
1,1,2-Trichloroethane	1	25.3078	0	20	127	70	130
1,2-Dibromoethane	1	24.8892	0	20	124	70	130
1,3-Dichloropropane	1	24.7473	0	20	124	70	130
4-Methyl-2-Pentanone	1	25.5228	0	20	128	50	150
2-Hexanone	1	23.3276	0	20	117	50	150
Tetrachloroethene	1	25.2464	5.166	20	100	50	150
Toluene	1	24.0047	0	20	120	70	130
1,1,1,2-Tetrachloroethane	1	21.3502	0	20	107	70	130
Chlorobenzene	1	23.8076	0	20	119	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92597

Method: 8260D	Matrix: Methanol		Units: mg/Kg	QC Type: MS		
Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	22.3278	0	20	112	70	130
n-Amyl acetate	1	18.7257	0	20	94	70	130
Bromoform	**1**	**20.3289**	**0**	**20**	**102**	**70**	**130**
Ethylbenzene	**1**	**20.5752**	**0**	**20**	**103**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**24.7024**	**0**	**20**	**124**	**70**	**130**
Styrene	**1**	**21.4106**	**0**	**20**	**107**	**70**	**130**
m&p-Xylenes	**1**	**46.8845**	**0**	**40**	**117**	**70**	**130**
o-Xylene	**1**	**21.5482**	**0**	**20**	**108**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	21.6937	0	20	108	50	150
1,3-Dichlorobenzene	**1**	**22.2876**	**0**	**20**	**111**	**70**	**130**
1,4-Dichlorobenzene	**1**	**22.6442**	**0**	**20**	**113**	**70**	**130**
1,2-Dichlorobenzene	**1**	**23.891**	**0**	**20**	**119**	**70**	**130**
Isopropylbenzene	**1**	**22.2695**	**0**	**20**	**111**	**70**	**130**
Cyclohexanone	1	153.2394	16.6549	100	137	50	150
Camphene	1	23.8396	0	20	119	70	130
1,2,3-Trichloropropane	1	21.906	0	20	110	70	130
2-Chlorotoluene	1	21.4006	0	20	107	70	130
p-Ethyltoluene	1	23.2557	0	20	116	70	130
4-Chlorotoluene	1	22.1667	0	20	111	70	130
n-Propylbenzene	1	22.9605	0	20	115	70	130
Bromobenzene	1	23.0081	0	20	115	70	130
1,3,5-Trimethylbenzene	1	19.3965	0	20	97	70	130
Butyl methacrylate	1	24.3191	0	20	122	70	130
t-Butylbenzene	1	22.6518	0	20	113	70	130
1,2,4-Trimethylbenzene	1	23.0799	0	20	115	70	130
sec-Butylbenzene	1	23.6802	0	20	118	70	130
4-Isopropyltoluene	1	22.981	0	20	115	70	130
n-Butylbenzene	1	24.447	0	20	122	70	130
p-Diethylbenzene	1	23.5734	0	20	118	70	130
1,2,4,5-Tetramethylbenzene	1	26.9477	0	20	135*	70	130
1,2-Dibromo-3-Chloropropane	**1**	**22.6136**	**0**	**20**	**113**	**50**	**150**
Camphor	1	196.6771	39.3527	200	79	20	150
Hexachlorobutadiene	1	27.1517	0	20	136	50	150
1,2,4-Trichlorobenzene	**1**	**28.0087**	**1.9175**	**20**	**130**	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**35.5595**	**0**	**20**	**178***	**70**	**130**
Naphthalene	1	34.5578	4.4811	20	150	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92597

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91257.D	AD23406-005(MSD)	5/17/2021 4:49:00 PM
Non Spike(If applicable):	11M91248.D	AD23406-005	5/17/2021 1:35:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	24.4653	0	20	122	50	150
Dichlorodifluoromethane	1	34.4007	0	20	172*	50	150
Chloromethane	1	25.6495	0	20	128	50	150
Bromomethane	1	9.9255	1.7883	20	41*	50	150
Vinyl Chloride	1	23.3258	0	20	117	50	150
Chloroethane	1	68.4249	0	20	342*	50	150
Trichlorofluoromethane	1	30.2372	0	20	151*	50	150
Ethyl ether	1	28.7063	0	20	144	50	150
Furan	1	26.2186	0	20	131	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	26.7786	0	20	134	50	150
Methylene Chloride	1	25.4617	0	20	127	70	130
Acrolein	1	172.1828	0	100	172*	50	150
Acrylonitrile	1	36.8111	0	20	184*	50	150
Iodomethane	1	15.0931	0	20	75	50	150
Acetone	1	185.6875	0	100	186*	50	150
Carbon Disulfide	1	21.9059	0	20	110	50	150
t-Butyl Alcohol	1	102.8264	0	100	103	50	150
n-Hexane	1	29.6686	0	20	148*	70	130
Di-isopropyl-ether	1	30.5612	0	20	153*	70	130
1,1-Dichloroethene	1	24.0874	0	20	120	70	130
Methyl Acetate	1	44.1999	0	20	221*	50	150
Methyl-t-butyl ether	1	33.3555	0	20	167*	70	130
1,1-Dichloroethane	1	23.3227	0	20	117	70	130
trans-1,2-Dichloroethene	1	22.7291	0	20	114	70	130
Ethyl-t-butyl ether	1	26.1616	0	20	131*	70	130
cis-1,2-Dichloroethene	1	23.1712	0	20	116	70	130
Bromochloromethane	1	24.5174	0	20	123	70	130
2,2-Dichloropropane	1	20.799	0	20	104	70	130
Ethyl acetate	1	25.9406	0	20	130	50	150
1,4-Dioxane	1	1017.253	96.5312	1000	92	50	150
1,1-Dichloropropene	1	21.6441	0	20	108	70	130
Chloroform	1	23.3569	0	20	117	70	130
Cyclohexane	1	26.2688	0	20	131*	70	130
1,2-Dichloroethane	1	22.6002	0	20	113	70	130
2-Butanone	1	23.8755	0	20	119	50	150
1,1,1-Trichloroethane	1	21.7178	0	20	109	70	130
Carbon Tetrachloride	1	19.0045	0	20	95	50	150
Vinyl Acetate	1	22.1487	0	20	111	50	150
Bromodichloromethane	1	21.9188	0	20	110	70	130
Methylcyclohexane	1	24.9457	0	20	125	70	130
Dibromomethane	1	22.4748	0	20	112	70	130
1,2-Dichloropropane	1	23.8298	0	20	119	70	130
Trichloroethene	1	21.1579	0	20	106	70	130
Benzene	1	22.8332	0	20	114	70	130
tert-Amyl methyl ether	1	23.5969	0	20	118	70	130
Iso-propylacetate	1	24.4548	0	20	122	70	130
Methyl methacrylate	1	23.8317	0	20	119	70	130
Dibromochloromethane	1	21.7551	0	20	109	70	130
2-Chloroethylvinylether	1	6.7703	0	20	34*	70	130
cis-1,3-Dichloropropene	1	24.1285	0	20	121	70	130
trans-1,3-Dichloropropene	1	23.8604	0	20	119	70	130
Ethyl methacrylate	1	25.0487	0	20	125	70	130
1,1,2-Trichloroethane	1	24.3183	0	20	122	70	130
1,2-Dibromoethane	1	25.3553	0	20	127	70	130
1,3-Dichloropropane	1	24.5736	0	20	123	70	130
4-Methyl-2-Pentanone	1	25.6495	0	20	128	50	150
2-Hexanone	1	23.935	0	20	120	50	150
Tetrachloroethene	1	24.9572	5.166	20	99	50	150
Toluene	1	22.8936	0	20	114	70	130
1,1,1,2-Tetrachloroethane	1	20.3983	0	20	102	70	130
Chlorobenzene	1	23.0267	0	20	115	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92597

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	22.2107	0	20	111	70	130
n-Amyl acetate	1	18.9093	0	20	95	70	130
Bromoform	1	20.2045	0	20	101	70	130
Ethylbenzene	1	19.5016	0	20	98	70	130
1,1,2,2-Tetrachloroethane	1	24.6396	0	20	123	70	130
Styrene	1	20.8613	0	20	104	70	130
m&p-Xylenes	1	44.4103	0	40	111	70	130
o-Xylene	1	20.7155	0	20	104	70	130
trans-1,4-Dichloro-2-butene	1	20.2999	0	20	101	50	150
1,3-Dichlorobenzene	1	22.0118	0	20	110	70	130
1,4-Dichlorobenzene	1	22.7207	0	20	114	70	130
1,2-Dichlorobenzene	1	23.6577	0	20	118	70	130
Isopropylbenzene	1	21.9175	0	20	110	70	130
Cyclohexanone	1	143.3396	16.6549	100	127	50	150
Camphene	1	22.1158	0	20	111	70	130
1,2,3-Trichloropropane	1	22.1119	0	20	111	70	130
2-Chlorotoluene	1	20.4895	0	20	102	70	130
p-Ethyltoluene	1	21.638	0	20	108	70	130
4-Chlorotoluene	1	22.0157	0	20	110	70	130
n-Propylbenzene	1	22.5827	0	20	113	70	130
Bromobenzene	1	22.7854	0	20	114	70	130
1,3,5-Trimethylbenzene	1	18.9052	0	20	95	70	130
Butyl methacrylate	1	21.7611	0	20	109	70	130
t-Butylbenzene	1	22.0058	0	20	110	70	130
1,2,4-Trimethylbenzene	1	22.303	0	20	112	70	130
sec-Butylbenzene	1	23.2253	0	20	116	70	130
4-Isopropyltoluene	1	23.0587	0	20	115	70	130
n-Butylbenzene	1	23.992	0	20	120	70	130
p-Diethylbenzene	1	23.3237	0	20	117	70	130
1,2,4,5-Tetramethylbenzene	1	26.9077	0	20	135*	70	130
1,2-Dibromo-3-Chloropropane	1	26.791	0	20	134	50	150
Camphor	1	221.3325	39.3527	200	91	20	150
Hexachlorobutadiene	1	26.7801	0	20	134	50	150
1,2,4-Trichlorobenzene	1	29.0179	1.9175	20	136*	70	130
1,2,3-Trichlorobenzene	1	36.4668	0	20	182*	70	130
Naphthalene	1	37.3803	4.4811	20	164*	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS92597

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91257.D	AD23406-005(MSD)	5/17/2021 4:49:00 PM
Duplicate(If applicable):	11M91256.D	AD23406-005(MS)	5/17/2021 4:27:00 PM
Inst Blank(If applicable):			

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	24.4653	24.5743	0.44	30
Dichlorodifluoromethane	**1**	**34.4007**	**34.9361**	**1.5**	**30**
Chloromethane	**1**	**25.6495**	**26.0568**	**1.6**	**30**
Bromomethane	**1**	**9.9255**	**9.4169**	**5.3**	**30**
Vinyl Chloride	**1**	**23.3258**	**22.9344**	**1.7**	**40**
Chloroethane	**1**	**68.4249**	**55.3223**	**21**	**30**
Trichlorofluoromethane	**1**	**30.2372**	**33.6039**	**11**	**30**
Ethyl ether	1	28.7063	29.7116	3.4	30
Furan	1	26.2186	27.5761	5	30
1,1,2-Trichloro-1,2,2-trifluoroethane	**1**	**26.7786**	**27.7981**	**3.7**	**30**
Methylene Chloride	**1**	**25.4617**	**25.2887**	**0.68**	**30**
Acrolein	1	172.1828	164.958	4.3	30
Acrylonitrile	1	36.8111	37.5904	2.1	30
Iodomethane	1	15.0931	13.5175	11	30
Acetone	**1**	**185.6875**	**183.7303**	**1.1**	**30**
Carbon Disulfide	**1**	**21.9059**	**22.9971**	**4.9**	**30**
t-Butyl Alcohol	1	102.8264	96.0122	6.9	30
n-Hexane	1	29.6686	30.7893	3.7	30
Di-isopropyl-ether	1	30.5612	30.898	1.1	30
1,1-Dichloroethene	**1**	**24.0874**	**26.0388**	**7.8**	**40**
Methyl Acetate	**1**	**44.1999**	**43.8903**	**0.7**	**30**
Methyl-t-butyl ether	**1**	**33.3555**	**33.4351**	**0.24**	**30**
1,1-Dichloroethane	**1**	**23.3227**	**24.2083**	**3.7**	**40**
trans-1,2-Dichloroethene	**1**	**22.7291**	**23.9599**	**5.3**	**30**
Ethyl-t-butyl ether	1	26.1616	26.3508	0.72	30
cis-1,2-Dichloroethene	**1**	**23.1712**	**24.0865**	**3.9**	**30**
Bromochloromethane	**1**	**24.5174**	**25.9475**	**5.7**	**30**
2,2-Dichloropropane	1	20.799	22.9356	9.8	30
Ethyl acetate	1	25.9406	27.2532	4.9	20
1,4-Dioxane	**1**	**1017.253**	**1059.425**	**4.1**	**30**
1,1-Dichloropropene	1	21.6441	23.0091	6.1	30
Chloroform	**1**	**23.3569**	**23.3287**	**0.12**	**40**
Cyclohexane	**1**	**26.2688**	**28.1663**	**7**	**30**
1,2-Dichloroethane	**1**	**22.6002**	**22.6776**	**0.34**	**40**
2-Butanone	**1**	**23.8755**	**24.3637**	**2**	**40**
1,1,1-Trichloroethane	**1**	**21.7178**	**22.6715**	**4.3**	**30**
Carbon Tetrachloride	**1**	**19.0045**	**19.9916**	**5.1**	**40**
Vinyl Acetate	1	22.1487	22.8163	3	30
Bromodichloromethane	**1**	**21.9188**	**22.0502**	**0.6**	**30**
Methylcyclohexane	**1**	**24.9457**	**25.4671**	**2.1**	**30**
Dibromomethane	1	22.4748	23.0687	2.6	30
1,2-Dichloropropane	**1**	**23.8298**	**24.2296**	**1.7**	**30**
Trichloroethene	**1**	**21.1579**	**21.7722**	**2.9**	**40**
Benzene	**1**	**22.8332**	**23.4986**	**2.9**	**40**
tert-Amyl methyl ether	1	23.5969	23.062	2.3	30
Iso-propylacetate	1	24.4548	24.4672	0.05	30
Methyl methacrylate	1	23.8317	23.8501	0.08	30
Dibromochloromethane	**1**	**21.7551**	**22.2482**	**2.2**	**30**
2-Chloroethylvinylether	1	6.7703	7.5207	11	30
cis-1,3-Dichloropropene	**1**	**24.1285**	**25.2652**	**4.6**	**30**
trans-1,3-Dichloropropene	**1**	**23.8604**	**23.5262**	**1.4**	**30**
Ethyl methacrylate	1	25.0487	24.7997	1	30
1,1,2-Trichloroethane	**1**	**24.3183**	**25.3078**	**4**	**30**
1,2-Dibromoethane	**1**	**25.3553**	**24.8892**	**1.9**	**30**
1,3-Dichloropropane	1	24.5736	24.7473	0.7	30
4-Methyl-2-Pentanone	**1**	**25.6495**	**25.5228**	**0.5**	**30**
2-Hexanone	**1**	**23.935**	**23.3276**	**2.6**	**30**
Tetrachloroethene	**1**	**24.9572**	**25.2464**	**1.2**	**40**
Toluene	**1**	**22.8936**	**24.0047**	**4.7**	**40**
1,1,1,2-Tetrachloroethane	1	20.3983	21.3502	4.6	30
Chlorobenzene	**1**	**23.0267**	**23.8076**	**3.3**	**40**

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS92597

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Butyl acrylate	1	22.2107	22.3278	0.53	30
n-Amyl acetate	1	18.9093	18.7257	0.98	30
Bromoform	**1**	**20.2045**	**20.3289**	**0.61**	**30**
Ethylbenzene	**1**	**19.5016**	**20.5752**	**5.4**	**30**
1,1,2,2-Tetrachloroethane	**1**	**24.6396**	**24.7024**	**0.25**	**30**
Styrene	**1**	**20.8613**	**21.4106**	**2.6**	**30**
m&p-Xylenes	**1**	**44.4103**	**46.8845**	**5.4**	**30**
o-Xylene	**1**	**20.7155**	**21.5482**	**3.9**	**30**
trans-1,4-Dichloro-2-butene	1	20.2999	21.6937	6.6	30
1,3-Dichlorobenzene	**1**	**22.0118**	**22.2876**	**1.2**	**30**
1,4-Dichlorobenzene	**1**	**22.7207**	**22.6442**	**0.34**	**40**
1,2-Dichlorobenzene	**1**	**23.6577**	**23.891**	**0.98**	**40**
Isopropylbenzene	**1**	**21.9175**	**22.2695**	**1.6**	**30**
Cyclohexanone	1	143.3396	153.2394	6.7	30
Camphene	1	22.1158	23.8396	7.5	30
1,2,3-Trichloropropane	1	22.1119	21.906	0.94	30
2-Chlorotoluene	1	20.4895	21.4006	4.3	30
p-Ethyltoluene	1	21.638	23.2557	7.2	30
4-Chlorotoluene	1	22.0157	22.1667	0.68	30
n-Propylbenzene	1	22.5827	22.9605	1.7	40
Bromobenzene	1	22.7854	23.0081	0.97	30
1,3,5-Trimethylbenzene	1	18.9052	19.3965	2.6	30
Butyl methacrylate	1	21.7611	24.3191	11	30
t-Butylbenzene	1	22.0058	22.6518	2.9	30
1,2,4-Trimethylbenzene	1	22.303	23.0799	3.4	30
sec-Butylbenzene	1	23.2253	23.6802	1.9	40
4-Isopropyltoluene	1	23.0587	22.981	0.34	30
n-Butylbenzene	1	23.992	24.447	1.9	30
p-Diethylbenzene	1	23.3237	23.5734	1.1	30
1,2,4,5-Tetramethylbenzene	1	26.9077	26.9477	0.15	30
1,2-Dibromo-3-Chloropropane	**1**	**26.791**	**22.6136**	**17**	**30**
Camphor	1	221.3325	196.6771	12	30
Hexachlorobutadiene	1	26.7801	27.1517	1.4	30
1,2,4-Trichlorobenzene	**1**	**29.0179**	**28.0087**	**3.5**	**30**
1,2,3-Trichlorobenzene	**1**	**36.4668**	**35.5595**	**2.5**	**30**
Naphthalene	1	37.3803	34.5578	7.8	30

* - Indicates outside of limits | NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92618

Data File	Sample ID:	Analysis Date
Spike or Dup: 11M91329.D	MBS92618	5/18/2021 7:00:00 PM
Non Spike(If applicable):		
Inst Blank(If applicable):		

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	14.588	0	20	73	50	150
Dichlorodifluoromethane	1	15.5364	0	20	78	50	150
Chloromethane	1	17.1457	0	20	86	50	150
Bromomethane	1	25.7994	0	20	129	50	150
Vinyl Chloride	1	15.9986	0	20	80	50	150
Chloroethane	1	28.9124	0	20	145	50	150
Trichlorofluoromethane	1	18.0281	0	20	90	50	150
Ethyl ether	1	22.926	0	20	115	50	150
Furan	1	19.8345	0	20	99	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	18.7445	0	20	94	50	150
Methylene Chloride	1	21.2322	0	20	106	70	130
Acrolein	1	130.4791	0	100	130	50	150
Acrylonitrile	1	30.1502	0	20	151*	50	150
Iodomethane	1	15.6377	0	20	78	50	150
Acetone	1	163.1327	0	100	163*	50	150
Carbon Disulfide	1	14.7636	0	20	74	50	150
t-Butyl Alcohol	1	85.9529	0	100	86	50	150
n-Hexane	1	21.2503	0	20	106	70	130
Di-isopropyl-ether	1	25.0257	0	20	125	70	130
1,1-Dichloroethene	1	17.6456	0	20	88	70	130
Methyl Acetate	1	33.5924	0	20	168*	50	150
Methyl-t-butyl ether	1	27.3391	0	20	137*	70	130
1,1-Dichloroethane	1	19.4746	0	20	97	70	130
trans-1,2-Dichloroethene	1	18.2923	0	20	91	70	130
Ethyl-t-butyl ether	1	22.2623	0	20	111	70	130
cis-1,2-Dichloroethene	1	19.4097	0	20	97	70	130
Bromochloromethane	1	21.1922	0	20	106	70	130
2,2-Dichloropropane	1	16.8883	0	20	84	70	130
Ethyl acetate	1	20.1567	0	20	101	50	150
1,4-Dioxane	1	1082.1	0	1000	108	50	150
1,1-Dichloropropene	1	17.6476	0	20	88	70	130
Chloroform	1	19.5274	0	20	98	70	130
Cyclohexane	1	20.665	0	20	103	70	130
1,2-Dichloroethane	1	19.6368	0	20	98	70	130
2-Butanone	1	22.2308	0	20	111	50	150
1,1,1-Trichloroethane	1	17.0518	0	20	85	70	130
Carbon Tetrachloride	1	16.0742	0	20	80	50	150
Vinyl Acetate	1	17.5961	0	20	88	50	150
Bromodichloromethane	1	18.6486	0	20	93	70	130
Methylcyclohexane	1	18.1788	0	20	91	70	130
Dibromomethane	1	19.2567	0	20	96	70	130
1,2-Dichloropropane	1	20.5148	0	20	103	70	130
Trichloroethene	1	20.0224	0	20	100	70	130
Benzene	1	18.9859	0	20	95	70	130
tert-Amyl methyl ether	1	20.8601	0	20	104	70	130
Iso-propylacetate	1	22.0802	0	20	110	70	130
Methyl methacrylate	1	21.4566	0	20	107	70	130
Dibromochloromethane	1	20.7129	0	20	104	70	130
2-Chloroethylvinylether	1	5.7774	0	20	29*	70	130
cis-1,3-Dichloropropene	1	20.9721	0	20	105	70	130
trans-1,3-Dichloropropene	1	20.2803	0	20	101	70	130
Ethyl methacrylate	1	20.8842	0	20	104	70	130
1,1,2-Trichloroethane	1	22.0775	0	20	110	70	130
1,2-Dibromoethane	1	22.0414	0	20	110	70	130
1,3-Dichloropropane	1	21.9338	0	20	110	70	130
4-Methyl-2-Pentanone	1	22.7258	0	20	114	50	150
2-Hexanone	1	20.6249	0	20	103	50	150
Tetrachloroethene	1	16.5323	0	20	83	50	150
Toluene	1	23.3376	0	20	117	70	130
1,1,1,2-Tetrachloroethane	1	19.1035	0	20	96	70	130
Chlorobenzene	1	23.6772	0	20	118	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92618

Method: 8260D	Matrix: Methanol		Units: mg/Kg	QC Type: MBS		
Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	19.7779	0	20	99	70	130
n-Amyl acetate	1	16.815	0	20	84	70	130
Bromoform	**1**	**17.8072**	**0**	**20**	**89**	**70**	**130**
Ethylbenzene	**1**	**17.0591**	**0**	**20**	**85**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**21.3575**	**0**	**20**	**107**	**70**	**130**
Styrene	**1**	**17.631**	**0**	**20**	**88**	**70**	**130**
m&p-Xylenes	**1**	**36.5966**	**0**	**40**	**91**	**70**	**130**
o-Xylene	**1**	**17.5382**	**0**	**20**	**88**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	16.6894	0	20	83	50	150
1,3-Dichlorobenzene	**1**	**18.4923**	**0**	**20**	**92**	**70**	**130**
1,4-Dichlorobenzene	**1**	**19.1711**	**0**	**20**	**96**	**70**	**130**
1,2-Dichlorobenzene	**1**	**19.6767**	**0**	**20**	**98**	**70**	**130**
Isopropylbenzene	**1**	**18.3922**	**0**	**20**	**92**	**70**	**130**
Cyclohexanone	1	158.1177	0	100	158*	50	150
Camphene	1	16.8562	0	20	84	70	130
1,2,3-Trichloropropane	1	19.4212	0	20	97	70	130
2-Chlorotoluene	1	17.814	0	20	89	70	130
p-Ethyltoluene	1	19.3238	0	20	97	70	130
4-Chlorotoluene	1	18.4454	0	20	92	70	130
n-Propylbenzene	1	18.5761	0	20	93	70	130
Bromobenzene	1	18.8214	0	20	94	70	130
1,3,5-Trimethylbenzene	1	14.6411	0	20	73	70	130
Butyl methacrylate	1	19.4852	0	20	97	70	130
t-Butylbenzene	1	17.6935	0	20	88	70	130
1,2,4-Trimethylbenzene	1	18.8246	0	20	94	70	130
sec-Butylbenzene	1	18.1908	0	20	91	70	130
4-Isopropyltoluene	1	18.0311	0	20	90	70	130
n-Butylbenzene	1	18.0745	0	20	90	70	130
p-Diethylbenzene	1	18.176	0	20	91	70	130
1,2,4,5-Tetramethylbenzene	1	20.9229	0	20	105	70	130
1,2-Dibromo-3-Chloropropane	**1**	**19.7573**	**0**	**20**	**99**	**50**	**150**
Camphor	1	169.7202	0	200	85	20	150
Hexachlorobutadiene	1	19.3615	0	20	97	50	150
1,2,4-Trichlorobenzene	**1**	**22.1933**	**0**	**20**	**111**	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**28.0116**	**0**	**20**	**140***	**70**	**130**
Naphthalene	1	28.2938	0	20	141	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92618

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91320.D	AD23397-002(MS)	5/18/2021 3:47:00 PM
Non Spike(If applicable):	11M91327.D	AD23397-002	5/18/2021 6:17:00 PM
Inst Blank(If applicable):			

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	19.8377	0	20	99	50	150
Dichlorodifluoromethane	1	19.3347	0	20	97	50	150
Chloromethane	1	17.3557	0	20	87	50	150
Bromomethane	1	17.9204	2.4123	20	78	50	150
Vinyl Chloride	1	18.6932	0	20	93	50	150
Chloroethane	1	64.8582	0	20	324*	50	150
Trichlorofluoromethane	1	23.7501	0	20	119	50	150
Ethyl ether	1	22.9807	0	20	115	50	150
Furan	1	21.5458	0	20	108	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	23.7801	0	20	119	50	150
Methylene Chloride	1	22.6076	0	20	113	70	130
Acrolein	1	132.2991	0	100	132	50	150
Acrylonitrile	1	30.9463	0	20	155*	50	150
Iodomethane	1	13.0026	1.471	20	58	50	150
Acetone	1	157.5243	0	100	158*	50	150
Carbon Disulfide	1	17.9275	0	20	90	50	150
t-Butyl Alcohol	1	82.0132	5.356	100	77	50	150
n-Hexane	1	25.9094	0	20	130	70	130
Di-isopropyl-ether	1	25.0123	0	20	125	70	130
1,1-Dichloroethene	1	20.3308	0	20	102	70	130
Methyl Acetate	1	32.6053	0	20	163*	50	150
Methyl-t-butyl ether	1	27.1897	0	20	136*	70	130
1,1-Dichloroethane	1	19.7993	0	20	99	70	130
trans-1,2-Dichloroethene	1	20.28	0	20	101	70	130
Ethyl-t-butyl ether	1	21.3865	0	20	107	70	130
cis-1,2-Dichloroethene	1	20.4275	0	20	102	70	130
Bromochloromethane	1	21.4378	0	20	107	70	130
2,2-Dichloropropane	1	20.1107	0	20	101	70	130
Ethyl acetate	1	24.9171	0	20	125	50	150
1,4-Dioxane	1	831.3051	0	1000	83	50	150
1,1-Dichloropropene	1	19.9527	0	20	100	70	130
Chloroform	1	20.3784	0	20	102	70	130
Cyclohexane	1	22.9577	0	20	115	70	130
1,2-Dichloroethane	1	18.8747	0	20	94	70	130
2-Butanone	1	16.6017	0	20	83	50	150
1,1,1-Trichloroethane	1	18.5845	0	20	93	70	130
Carbon Tetrachloride	1	16.4664	0	20	82	50	150
Vinyl Acetate	1	20.2723	0	20	101	50	150
Bromodichloromethane	1	19.4313	0	20	97	70	130
Methylcyclohexane	1	22.9286	1.5801	20	107	70	130
Dibromomethane	1	18.6405	0	20	93	70	130
1,2-Dichloropropane	1	19.7367	0	20	99	70	130
Trichloroethene	1	24.4557	0	20	122	70	130
Benzene	1	20.3351	0	20	102	70	130
tert-Amyl methyl ether	1	19.408	0	20	97	70	130
Iso-propylacetate	1	19.7514	0	20	99	70	130
Methyl methacrylate	1	20.4887	0	20	102	70	130
Dibromochloromethane	1	19.3137	0	20	97	70	130
2-Chloroethylvinylether	1	5.526	0	20	28*	70	130
cis-1,3-Dichloropropene	1	20.7146	0	20	104	70	130
trans-1,3-Dichloropropene	1	20.2982	0	20	101	70	130
Ethyl methacrylate	1	21.0124	0	20	105	70	130
1,1,2-Trichloroethane	1	21.3166	0	20	107	70	130
1,2-Dibromoethane	1	20.8102	0	20	104	70	130
1,3-Dichloropropane	1	20.9486	0	20	105	70	130
4-Methyl-2-Pentanone	1	21.6312	0	20	108	50	150
2-Hexanone	1	19.2102	0	20	96	50	150
Tetrachloroethene	1	17.9565	0	20	90	50	150
Toluene	1	25.3543	1.3989	20	120	70	130
1,1,1,2-Tetrachloroethane	1	17.3443	0	20	87	70	130
Chlorobenzene	1	27.5948	0	20	138*	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92618

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	18.9743	0	20	95	70	130
n-Amyl acetate	1	15.8568	0	20	79	70	130
Bromoform	1	16.7586	0	20	84	70	130
Ethylbenzene	1	19.0555	0	20	95	70	130
1,1,2,2-Tetrachloroethane	1	21.2922	0	20	106	70	130
Styrene	1	17.8441	0	20	89	70	130
m&p-Xylenes	1	39.3688	0	40	98	70	130
o-Xylene	1	17.9832	0	20	90	70	130
trans-1,4-Dichloro-2-butene	1	16.9952	0	20	85	50	150
1,3-Dichlorobenzene	1	18.5688	0	20	93	70	130
1,4-Dichlorobenzene	1	18.4983	0	20	92	70	130
1,2-Dichlorobenzene	1	20.1852	0	20	101	70	130
Isopropylbenzene	1	18.9447	0	20	95	70	130
Cyclohexanone	1	137.4558	0	100	137	50	150
Camphene	1	20.0194	0	20	100	70	130
1,2,3-Trichloropropane	1	17.9172	0	20	90	70	130
2-Chlorotoluene	1	17.2766	0	20	86	70	130
p-Ethyltoluene	1	18.7287	0	20	94	70	130
4-Chlorotoluene	1	18.2297	0	20	91	70	130
n-Propylbenzene	1	19.1778	0	20	96	70	130
Bromobenzene	1	18.9628	0	20	95	70	130
1,3,5-Trimethylbenzene	1	16.5484	0	20	83	70	130
Butyl methacrylate	1	17.6757	0	20	88	70	130
t-Butylbenzene	1	18.7349	0	20	94	70	130
1,2,4-Trimethylbenzene	1	19.8671	0	20	99	70	130
sec-Butylbenzene	1	19.3781	0	20	97	70	130
4-Isopropyltoluene	1	19.5782	0	20	98	70	130
n-Butylbenzene	1	20.7627	0	20	104	70	130
p-Diethylbenzene	1	20.1503	0	20	101	70	130
1,2,4,5-Tetramethylbenzene	1	22.8569	1.116	20	109	70	130
1,2-Dibromo-3-Chloropropane	1	19.8174	0	20	99	50	150
Camphor	1	164.6581	21.5101	200	72	20	150
Hexachlorobutadiene	1	21.2044	0	20	106	50	150
1,2,4-Trichlorobenzene	1	23.2028	2.1341	20	105	70	130
1,2,3-Trichlorobenzene	1	29.0045	4.1959	20	124	70	130
Naphthalene	1	35.7717	5.0953	20	153*	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92618

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91321.D	AD23397-002(MSD)	5/18/2021 4:08:00 PM
Non Spike(If applicable):	11M91327.D	AD23397-002	5/18/2021 6:17:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	14.2799	0	20	71	50	150
Dichlorodifluoromethane	1	12.7897	0	20	64	50	150
Chloromethane	1	12.5129	0	20	63	50	150
Bromomethane	1	11.573	2.4123	20	46*	50	150
Vinyl Chloride	1	12.0477	0	20	60	50	150
Chloroethane	1	48.3946	0	20	242*	50	150
Trichlorofluoromethane	1	16.6383	0	20	83	50	150
Ethyl ether	1	16.7703	0	20	84	50	150
Furan	1	14.9518	0	20	75	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	16.1558	0	20	81	50	150
Methylene Chloride	1	16.0148	0	20	80	70	130
Acrolein	1	103.5558	0	100	104	50	150
Acrylonitrile	1	23.858	0	20	119	50	150
Iodomethane	1	12.6875	1.471	20	56	50	150
Acetone	1	122.9771	0	100	123	50	150
Carbon Disulfide	1	12.076	0	20	60	50	150
t-Butyl Alcohol	1	65.6262	5.356	100	60	50	150
n-Hexane	1	17.1822	0	20	86	70	130
Di-isopropyl-ether	1	18.9109	0	20	95	70	130
1,1-Dichloroethene	1	14.3996	0	20	72	70	130
Methyl Acetate	1	25.8638	0	20	129	50	150
Methyl-t-butyl ether	1	20.3827	0	20	102	70	130
1,1-Dichloroethane	1	14.4748	0	20	72	70	130
trans-1,2-Dichloroethene	1	14.2312	0	20	71	70	130
Ethyl-t-butyl ether	1	15.4934	0	20	77	70	130
cis-1,2-Dichloroethene	1	14.0032	0	20	70	70	130
Bromochloromethane	1	15.6407	0	20	78	70	130
2,2-Dichloropropane	1	14.4679	0	20	72	70	130
Ethyl acetate	1	17.9696	0	20	90	50	150
1,4-Dioxane	1	738.7866	0	1000	74	50	150
1,1-Dichloropropene	1	13.9269	0	20	70	70	130
Chloroform	1	14.329	0	20	72	70	130
Cyclohexane	1	16.4731	0	20	82	70	130
1,2-Dichloroethane	1	13.8957	0	20	69*	70	130
2-Butanone	1	15.5882	0	20	78	50	150
1,1,1-Trichloroethane	1	12.94	0	20	65*	70	130
Carbon Tetrachloride	1	11.5296	0	20	58	50	150
Vinyl Acetate	1	14.957	0	20	75	50	150
Bromodichloromethane	1	13.9082	0	20	70	70	130
Methylcyclohexane	1	15.6586	1.5801	20	70	70	130
Dibromomethane	1	13.7782	0	20	69*	70	130
1,2-Dichloropropane	1	14.4868	0	20	72	70	130
Trichloroethene	1	15.3255	0	20	77	70	130
Benzene	1	14.4314	0	20	72	70	130
tert-Amyl methyl ether	1	13.5296	0	20	68*	70	130
Iso-propylacetate	1	15.2743	0	20	76	70	130
Methyl methacrylate	1	14.235	0	20	71	70	130
Dibromochloromethane	1	13.2948	0	20	66*	70	130
2-Chloroethylvinylether	1	4.4045	0	20	22*	70	130
cis-1,3-Dichloropropene	1	14.7536	0	20	74	70	130
trans-1,3-Dichloropropene	1	14.6236	0	20	73	70	130
Ethyl methacrylate	1	13.904	0	20	70	70	130
1,1,2-Trichloroethane	1	15.2903	0	20	76	70	130
1,2-Dibromoethane	1	15.1813	0	20	76	70	130
1,3-Dichloropropane	1	14.4931	0	20	72	70	130
4-Methyl-2-Pentanone	1	15.3543	0	20	77	50	150
2-Hexanone	1	14.2655	0	20	71	50	150
Tetrachloroethene	1	12.2243	0	20	61	50	150
Toluene	1	16.5488	1.3989	20	76	70	130
1,1,1,2-Tetrachloroethane	1	12.7685	0	20	64*	70	130
Chlorobenzene	1	17.7751	0	20	89	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92618

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	14.176	0	20	71	70	130
n-Amyl acetate	1	11.9775	0	20	60*	70	130
Bromoform	1	12.9259	0	20	65*	70	130
Ethylbenzene	1	12.8606	0	20	64*	70	130
1,1,2,2-Tetrachloroethane	1	16.2715	0	20	81	70	130
Styrene	1	13.5765	0	20	68*	70	130
m&p-Xylenes	1	28.6991	0	40	72	70	130
o-Xylene	1	13.2078	0	20	66*	70	130
trans-1,4-Dichloro-2-butene	1	12.2835	0	20	61	50	150
1,3-Dichlorobenzene	1	14.111	0	20	71	70	130
1,4-Dichlorobenzene	1	13.858	0	20	69*	70	130
1,2-Dichlorobenzene	1	14.6997	0	20	73	70	130
Isopropylbenzene	1	13.7432	0	20	69*	70	130
Cyclohexanone	1	112.112	0	100	112	50	150
Camphene	1	14.5667	0	20	73	70	130
1,2,3-Trichloropropane	1	13.3482	0	20	67*	70	130
2-Chlorotoluene	1	12.8561	0	20	64*	70	130
p-Ethyltoluene	1	14.1544	0	20	71	70	130
4-Chlorotoluene	1	14.074	0	20	70	70	130
n-Propylbenzene	1	14.4789	0	20	72	70	130
Bromobenzene	1	14.0398	0	20	70	70	130
1,3,5-Trimethylbenzene	1	12.1661	0	20	61*	70	130
Butyl methacrylate	1	14.6284	0	20	73	70	130
t-Butylbenzene	1	14.3874	0	20	72	70	130
1,2,4-Trimethylbenzene	1	14.673	0	20	73	70	130
sec-Butylbenzene	1	15.0721	0	20	75	70	130
4-Isopropyltoluene	1	14.3432	0	20	72	70	130
n-Butylbenzene	1	15.4266	0	20	77	70	130
p-Diethylbenzene	1	15.3529	0	20	77	70	130
1,2,4,5-Tetramethylbenzene	1	17.4578	1.116	20	82	70	130
1,2-Dibromo-3-Chloropropane	1	15.1306	0	20	76	50	150
Camphor	1	125.2622	21.5101	200	52	20	150
Hexachlorobutadiene	1	15.5708	0	20	78	50	150
1,2,4-Trichlorobenzene	1	18.0171	2.1341	20	79	70	130
1,2,3-Trichlorobenzene	1	23.7069	4.1959	20	98	70	130
Naphthalene	1	26.169	5.0953	20	105	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS92618

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91321.D	AD23397-002(MSD)	5/18/2021 4:08:00 PM
Duplicate(If applicable):	11M91320.D	AD23397-002(MS)	5/18/2021 3:47:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	14.2799	19.8377	33*	30
Dichlorodifluoromethane	1	12.7897	19.3347	41*	30
Chloromethane	1	12.5129	17.3557	32*	30
Bromomethane	1	11.573	17.9204	43*	30
Vinyl Chloride	1	12.0477	18.6932	43*	40
Chloroethane	1	48.3946	64.8582	29	30
Trichlorofluoromethane	1	16.6383	23.7501	35*	30
Ethyl ether	1	16.7703	22.9807	31*	30
Furan	1	14.9518	21.5458	36*	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1	16.1558	23.7801	38*	30
Methylene Chloride	1	16.0148	22.6076	34*	30
Acrolein	1	103.5558	132.2991	24	30
Acrylonitrile	1	23.858	30.9463	26	30
Iodomethane	1	12.6875	13.0026	2.5	30
Acetone	1	122.9771	157.5243	25	30
Carbon Disulfide	1	12.076	17.9275	39*	30
t-Butyl Alcohol	1	65.6262	82.0132	22	30
n-Hexane	1	17.1822	25.9094	41*	30
Di-isopropyl-ether	1	18.9109	25.0123	28	30
1,1-Dichloroethene	1	14.3996	20.3308	34	40
Methyl Acetate	1	25.8638	32.6053	23	30
Methyl-t-butyl ether	1	20.3827	27.1897	29	30
1,1-Dichloroethane	1	14.4748	19.7993	31	40
trans-1,2-Dichloroethene	1	14.2312	20.28	35*	30
Ethyl-t-butyl ether	1	15.4934	21.3865	32*	30
cis-1,2-Dichloroethene	1	14.0032	20.4275	37*	30
Bromochloromethane	1	15.6407	21.4378	31*	30
2,2-Dichloropropane	1	14.4679	20.1107	33*	30
Ethyl acetate	1	17.9696	24.9171	32*	20
1,4-Dioxane	1	738.7866	831.3051	12	30
1,1-Dichloropropene	1	13.9269	19.9527	36*	30
Chloroform	1	14.329	20.3784	35	40
Cyclohexane	1	16.4731	22.9577	33*	30
1,2-Dichloroethane	1	13.8957	18.8747	30	40
2-Butanone	1	15.5882	16.6017	6.3	40
1,1,1-Trichloroethane	1	12.94	18.5845	36*	30
Carbon Tetrachloride	1	11.5296	16.4664	35	40
Vinyl Acetate	1	14.957	20.2723	30	30
Bromodichloromethane	1	13.9082	19.4313	33*	30
Methylcyclohexane	1	15.6586	22.9286	38*	30
Dibromomethane	1	13.7782	18.6405	30	30
1,2-Dichloropropane	1	14.4868	19.7367	31*	30
Trichloroethene	1	15.3255	24.4557	46*	40
Benzene	1	14.4314	20.3351	34	40
tert-Amyl methyl ether	1	13.5296	19.408	36*	30
Iso-propylacetate	1	15.2743	19.7514	26	30
Methyl methacrylate	1	14.235	20.4887	36*	30
Dibromochloromethane	1	13.2948	19.3137	37*	30
2-Chloroethylvinylether	1	4.4045	5.526	23	30
cis-1,3-Dichloropropene	1	14.7536	20.7146	34*	30
trans-1,3-Dichloropropene	1	14.6236	20.2982	32*	30
Ethyl methacrylate	1	13.904	21.0124	41*	30
1,1,2-Trichloroethane	1	15.2903	21.3166	33*	30
1,2-Dibromoethane	1	15.1813	20.8102	31*	30
1,3-Dichloropropane	1	14.4931	20.9486	36*	30
4-Methyl-2-Pentanone	1	15.3543	21.6312	34*	30
2-Hexanone	1	14.2655	19.2102	30	30
Tetrachloroethene	1	12.2243	17.9565	38	40
Toluene	1	16.5488	25.3543	42*	40
1,1,1,2-Tetrachloroethane	1	12.7685	17.3443	30	30
Chlorobenzene	1	17.7751	27.5948	43*	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits

QC Batch: MBS92618

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Butyl acrylate	1	14.176	18.9743	29	30
n-Amyl acetate	1	11.9775	15.8568	28	30
Bromoform	**1**	**12.9259**	**16.7586**	**26**	**30**
Ethylbenzene	**1**	**12.8606**	**19.0555**	**39***	**30**
1,1,2,2-Tetrachloroethane	**1**	**16.2715**	**21.2922**	**27**	**30**
Styrene	**1**	**13.5765**	**17.8441**	**27**	**30**
m&p-Xylenes	**1**	**28.6991**	**39.3688**	**31***	**30**
o-Xylene	**1**	**13.2078**	**17.9832**	**31***	**30**
trans-1,4-Dichloro-2-butene	1	12.2835	16.9952	32*	30
1,3-Dichlorobenzene	**1**	**14.111**	**18.5688**	**27**	**30**
1,4-Dichlorobenzene	**1**	**13.858**	**18.4983**	**29**	**40**
1,2-Dichlorobenzene	**1**	**14.6997**	**20.1852**	**31**	**40**
Isopropylbenzene	**1**	**13.7432**	**18.9447**	**32***	**30**
Cyclohexanone	1	112.112	137.4558	20	30
Camphene	1	14.5667	20.0194	32*	30
1,2,3-Trichloropropane	1	13.3482	17.9172	29	30
2-Chlorotoluene	1	12.8561	17.2766	29	30
p-Ethyltoluene	1	14.1544	18.7287	28	30
4-Chlorotoluene	1	14.074	18.2297	26	30
n-Propylbenzene	1	14.4789	19.1778	28	40
Bromobenzene	1	14.0398	18.9628	30	30
1,3,5-Trimethylbenzene	1	12.1661	16.5484	31*	30
Butyl methacrylate	1	14.6284	17.6757	19	30
t-Butylbenzene	1	14.3874	18.7349	26	30
1,2,4-Trimethylbenzene	1	14.673	19.8671	30	30
sec-Butylbenzene	1	15.0721	19.3781	25	40
4-Isopropyltoluene	1	14.3432	19.5782	31*	30
n-Butylbenzene	1	15.4266	20.7627	29	30
p-Diethylbenzene	1	15.3529	20.1503	27	30
1,2,4,5-Tetramethylbenzene	1	17.4578	22.8569	27	30
1,2-Dibromo-3-Chloropropane	**1**	**15.1306**	**19.8174**	**27**	**30**
Camphor	1	125.2622	164.6581	27	30
Hexachlorobutadiene	1	15.5708	21.2044	31*	30
1,2,4-Trichlorobenzene	**1**	**18.0171**	**23.2028**	**25**	**30**
1,2,3-Trichlorobenzene	**1**	**23.7069**	**29.0045**	**20**	**30**
Naphthalene	1	26.169	35.7717	31*	30

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92620

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91347.D	MBS92620	5/19/2021 1:27:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	15.9352	0	20	80	50	150
Dichlorodifluoromethane	1	9.6149	0	20	48*	50	150
Chloromethane	1	13.5973	0	20	68	50	150
Bromomethane	1	24.9354	0	20	125	50	150
Vinyl Chloride	1	16.6813	0	20	83	50	150
Chloroethane	1	33.6857	0	20	168*	50	150
Trichlorofluoromethane	1	21.4232	0	20	107	50	150
Ethyl ether	1	22.1845	0	20	111	50	150
Furan	1	15.8603	0	20	79	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	22.5998	0	20	113	50	150
Methylene Chloride	1	25.7037	0	20	129	70	130
Acrolein	1	146.4039	0	100	146	50	150
Acrylonitrile	1	37.5087	0	20	188*	50	150
Iodomethane	1	15.4499	0	20	77	50	150
Acetone	1	174.3767	0	100	174*	50	150
Carbon Disulfide	1	18.1563	0	20	91	50	150
t-Butyl Alcohol	1	94.8013	0	100	95	50	150
n-Hexane	1	23.2077	0	20	116	70	130
Di-isopropyl-ether	1	30.3446	0	20	152*	70	130
1,1-Dichloroethene	1	21.2637	0	20	106	70	130
Methyl Acetate	1	39.9135	0	20	200*	50	150
Methyl-t-butyl ether	1	34.3494	0	20	172*	70	130
1,1-Dichloroethane	1	22.4599	0	20	112	70	130
trans-1,2-Dichloroethene	1	22.1826	0	20	111	70	130
Ethyl-t-butyl ether	1	25.2073	0	20	126	70	130
cis-1,2-Dichloroethene	1	23.1023	0	20	116	70	130
Bromochloromethane	1	26.5576	0	20	133*	70	130
2,2-Dichloropropane	1	18.1094	0	20	91	70	130
Ethyl acetate	1	28.2703	0	20	141	50	150
1,4-Dioxane	1	1047.422	0	1000	105	50	150
1,1-Dichloropropene	1	20.7912	0	20	104	70	130
Chloroform	1	23.4862	0	20	117	70	130
Cyclohexane	1	23.9792	0	20	120	70	130
1,2-Dichloroethane	1	23.4146	0	20	117	70	130
2-Butanone	1	23.6567	0	20	118	50	150
1,1,1-Trichloroethane	1	21.825	0	20	109	70	130
Carbon Tetrachloride	1	19.3353	0	20	97	50	150
Vinyl Acetate	1	21.56	0	20	108	50	150
Bromodichloromethane	1	24.4491	0	20	122	70	130
Methylcyclohexane	1	22.1273	0	20	111	70	130
Dibromomethane	1	24.1191	0	20	121	70	130
1,2-Dichloropropane	1	24.1279	0	20	121	70	130
Trichloroethene	1	22.2379	0	20	111	70	130
Benzene	1	23.0058	0	20	115	70	130
tert-Amyl methyl ether	1	27.7584	0	20	139*	70	130
Iso-propylacetate	1	25.0006	0	20	125	70	130
Methyl methacrylate	1	28.5719	0	20	143*	70	130
Dibromochloromethane	1	23.8146	0	20	119	70	130
2-Chloroethylvinylether	1	7.3957	0	20	37*	70	130
cis-1,3-Dichloropropene	1	25.2342	0	20	126	70	130
trans-1,3-Dichloropropene	1	25.079	0	20	125	70	130
Ethyl methacrylate	1	24.5476	0	20	123	70	130
1,1,2-Trichloroethane	1	26.492	0	20	132*	70	130
1,2-Dibromoethane	1	26.6549	0	20	133*	70	130
1,3-Dichloropropane	1	25.9415	0	20	130	70	130
4-Methyl-2-Pentanone	1	26.4463	0	20	132	50	150
2-Hexanone	1	23.667	0	20	118	50	150
Tetrachloroethene	1	20.1509	0	20	101	50	150
Toluene	1	23.979	0	20	120	70	130
1,1,1,2-Tetrachloroethane	1	22.837	0	20	114	70	130
Chlorobenzene	1	24.247	0	20	121	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92620

Method: 8260D	Matrix: Methanol		Units: mg/Kg	QC Type: MBS		
Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	23.1392	0	20	116	70	130
n-Amyl acetate	1	19.7166	0	20	99	70	130
Bromoform	**1**	**21.6846**	**0**	**20**	**108**	**70**	**130**
Ethylbenzene	**1**	**20.3561**	**0**	**20**	**102**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**25.0312**	**0**	**20**	**125**	**70**	**130**
Styrene	**1**	**21.0474**	**0**	**20**	**105**	**70**	**130**
m&p-Xylenes	**1**	**43.5276**	**0**	**40**	**109**	**70**	**130**
o-Xylene	**1**	**20.407**	**0**	**20**	**102**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	19.8211	0	20	99	50	150
1,3-Dichlorobenzene	**1**	**21.8702**	**0**	**20**	**109**	**70**	**130**
1,4-Dichlorobenzene	**1**	**22.6387**	**0**	**20**	**113**	**70**	**130**
1,2-Dichlorobenzene	**1**	**23.6364**	**0**	**20**	**118**	**70**	**130**
Isopropylbenzene	**1**	**21.0009**	**0**	**20**	**105**	**70**	**130**
Cyclohexanone	1	188.0095	0	100	188*	50	150
Camphene	1	19.9185	0	20	100	70	130
1,2,3-Trichloropropane	1	22.5419	0	20	113	70	130
2-Chlorotoluene	1	21.4239	0	20	107	70	130
p-Ethyltoluene	1	21.2624	0	20	106	70	130
4-Chlorotoluene	1	20.8834	0	20	104	70	130
n-Propylbenzene	1	21.477	0	20	107	70	130
Bromobenzene	1	22.2863	0	20	111	70	130
1,3,5-Trimethylbenzene	1	17.7431	0	20	89	70	130
Butyl methacrylate	1	24.9516	0	20	125	70	130
t-Butylbenzene	1	21.2798	0	20	106	70	130
1,2,4-Trimethylbenzene	1	22.0556	0	20	110	70	130
sec-Butylbenzene	1	21.5337	0	20	108	70	130
4-Isopropyltoluene	1	21.6204	0	20	108	70	130
n-Butylbenzene	1	22.4496	0	20	112	70	130
p-Diethylbenzene	1	22.9329	0	20	115	70	130
1,2,4,5-Tetramethylbenzene	1	24.7825	0	20	124	70	130
1,2-Dibromo-3-Chloropropane	**1**	**24.7942**	**0**	**20**	**124**	**50**	**150**
Camphor	1	195.2839	0	200	98	20	150
Hexachlorobutadiene	1	22.2878	0	20	111	50	150
1,2,4-Trichlorobenzene	**1**	**27.0661**	**0**	**20**	**135***	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**34.9901**	**0**	**20**	**175***	**70**	**130**
Naphthalene	1	35.2542	0	20	176*	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92620

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91349.D	AD23406-010(MS)	5/19/2021 2:09:00 AM
Non Spike(If applicable):	11M91350.D	AD23406-010	5/19/2021 2:31:00 AM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	17.0008	0	20	85	50	150
Dichlorodifluoromethane	1	7.7901	0	20	39*	50	150
Chloromethane	1	6.0758	0	20	30*	50	150
Bromomethane	1	10.6274	2.2605	20	42*	50	150
Vinyl Chloride	1	14.8413	0	20	74	50	150
Chloroethane	1	0	0	20	0*	50	150
Trichlorofluoromethane	1	32.7129	0	20	164*	50	150
Ethyl ether	1	22.5455	0	20	113	50	150
Furan	1	17.5285	0	20	88	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	22.2397	0	20	111	50	150
Methylene Chloride	1	23.8759	0	20	119	70	130
Acrolein	1	119.0669	0	100	119	50	150
Acrylonitrile	1	36.2104	0	20	181*	50	150
Iodomethane	1	14.2338	1.0988	20	66	50	150
Acetone	1	195.0975	0	100	195*	50	150
Carbon Disulfide	1	18.2698	0	20	91	50	150
t-Butyl Alcohol	1	90.0611	0	100	90	50	150
n-Hexane	1	22.1547	0	20	111	70	130
Di-isopropyl-ether	1	28.5134	0	20	143*	70	130
1,1-Dichloroethene	1	21.6245	0	20	108	70	130
Methyl Acetate	1	47.7645	0	20	239*	50	150
Methyl-t-butyl ether	1	32.3237	0	20	162*	70	130
1,1-Dichloroethane	1	22.8567	0	20	114	70	130
trans-1,2-Dichloroethene	1	21.6395	0	20	108	70	130
Ethyl-t-butyl ether	1	23.6921	0	20	118	70	130
cis-1,2-Dichloroethene	1	22.0997	0	20	110	70	130
Bromochloromethane	1	23.0205	0	20	115	70	130
2,2-Dichloropropane	1	17.3476	0	20	87	70	130
Ethyl acetate	1	24.9366	0	20	125	50	150
1,4-Dioxane	1	902.2305	0	1000	90	50	150
1,1-Dichloropropene	1	22.2013	0	20	111	70	130
Chloroform	1	22.2912	0	20	111	70	130
Cyclohexane	1	25.0924	0	20	125	70	130
1,2-Dichloroethane	1	21.4214	0	20	107	70	130
2-Butanone	1	17.7606	0	20	89	50	150
1,1,1-Trichloroethane	1	20.6576	0	20	103	70	130
Carbon Tetrachloride	1	18.3555	0	20	92	50	150
Vinyl Acetate	1	13.6829	0	20	68	50	150
Bromodichloromethane	1	21.6059	0	20	108	70	130
Methylcyclohexane	1	21.2336	0	20	106	70	130
Dibromomethane	1	21.626	0	20	108	70	130
1,2-Dichloropropane	1	22.9948	0	20	115	70	130
Trichloroethene	1	22.9583	0	20	115	70	130
Benzene	1	22.6667	0	20	113	70	130
tert-Amyl methyl ether	1	23.9822	0	20	120	70	130
Iso-propylacetate	1	22.7272	0	20	114	70	130
Methyl methacrylate	1	20.3945	0	20	102	70	130
Dibromochloromethane	1	20.8577	0	20	104	70	130
2-Chloroethylvinylether	1	6.9687	0	20	35*	70	130
cis-1,3-Dichloropropene	1	22.4851	0	20	112	70	130
trans-1,3-Dichloropropene	1	21.6941	0	20	108	70	130
Ethyl methacrylate	1	22.1342	0	20	111	70	130
1,1,2-Trichloroethane	1	23.3964	0	20	117	70	130
1,2-Dibromoethane	1	22.8215	0	20	114	70	130
1,3-Dichloropropane	1	24.3222	0	20	122	70	130
4-Methyl-2-Pentanone	1	24.1616	0	20	121	50	150
2-Hexanone	1	21.7078	0	20	109	50	150
Tetrachloroethene	1	19.8046	0	20	99	50	150
Toluene	1	23.5804	0	20	118	70	130
1,1,1,2-Tetrachloroethane	1	20.0929	0	20	100	70	130
Chlorobenzene	1	22.9821	0	20	115	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92620

Method: 8260D	Matrix: Methanol		Units: mg/Kg	QC Type: MS		
Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	21.2924	0	20	106	70	130
n-Amyl acetate	1	16.7827	0	20	84	70	130
Bromoform	1	18.8582	0	20	94	70	130
Ethylbenzene	1	19.5776	0	20	98	70	130
1,1,2,2-Tetrachloroethane	1	21.4788	0	20	107	70	130
Styrene	1	20.5909	0	20	103	70	130
m&p-Xylenes	1	44.3725	0	40	111	70	130
o-Xylene	1	21.245	0	20	106	70	130
trans-1,4-Dichloro-2-butene	1	19.3903	0	20	97	50	150
1,3-Dichlorobenzene	1	21.3534	0	20	107	70	130
1,4-Dichlorobenzene	1	22.3701	0	20	112	70	130
1,2-Dichlorobenzene	1	23.4569	0	20	117	70	130
Isopropylbenzene	1	21.4562	0	20	107	70	130
Cyclohexanone	1	226.6672	0	100	227*	50	150
Camphene	1	22.9316	0	20	115	70	130
1,2,3-Trichloropropane	1	21.0748	0	20	105	70	130
2-Chlorotoluene	1	21.0179	0	20	105	70	130
p-Ethyltoluene	1	21.967	0	20	110	70	130
4-Chlorotoluene	1	21.7555	0	20	109	70	130
n-Propylbenzene	1	22.5935	0	20	113	70	130
Bromobenzene	1	22.714	0	20	114	70	130
1,3,5-Trimethylbenzene	1	18.9718	0	20	95	70	130
Butyl methacrylate	1	23.7239	0	20	119	70	130
t-Butylbenzene	1	22.4046	0	20	112	70	130
1,2,4-Trimethylbenzene	1	22.5337	0	20	113	70	130
sec-Butylbenzene	1	23.0544	0	20	115	70	130
4-Isopropyltoluene	1	22.9026	0	20	115	70	130
n-Butylbenzene	1	23.3464	0	20	117	70	130
p-Diethylbenzene	1	23.8664	0	20	119	70	130
1,2,4,5-Tetramethylbenzene	1	26.1741	1.0875	20	125	70	130
1,2-Dibromo-3-Chloropropane	1	24.5585	0	20	123	50	150
Camphor	1	200.8682	24.3409	200	88	20	150
Hexachlorobutadiene	1	24.3487	0	20	122	50	150
1,2,4-Trichlorobenzene	1	27.6521	2.1117	20	128	70	130
1,2,3-Trichlorobenzene	1	37.2395	4.2472	20	165*	70	130
Naphthalene	1	36.0385	4.2806	20	159*	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92620

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91348.D	AD23406-010(MSD)	5/19/2021 1:48:00 AM
Non Spike(If applicable):	11M91350.D	AD23406-010	5/19/2021 2:31:00 AM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	20.9648	0	20	105	50	150
Dichlorodifluoromethane	1	10.6031	0	20	53	50	150
Chloromethane	1	16.8155	0	20	84	50	150
Bromomethane	1	14.6241	2.2605	20	62	50	150
Vinyl Chloride	1	18.2879	0	20	91	50	150
Chloroethane	1	27.762	0	20	139	50	150
Trichlorofluoromethane	1	48.0765	0	20	240*	50	150
Ethyl ether	1	29.8562	0	20	149	50	150
Furan	1	23.1731	0	20	116	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	29.0835	0	20	145	50	150
Methylene Chloride	1	31.7988	0	20	159*	70	130
Acrolein	1	147.8691	0	100	148	50	150
Acrylonitrile	1	41.5499	0	20	208*	50	150
Iodomethane	1	15.8737	1.0988	20	74	50	150
Acetone	1	258.6244	0	100	259*	50	150
Carbon Disulfide	1	23.8235	0	20	119	50	150
t-Butyl Alcohol	1	90.5519	0	100	91	50	150
n-Hexane	1	28.664	0	20	143*	70	130
Di-isopropyl-ether	1	36.5459	0	20	183*	70	130
1,1-Dichloroethene	1	28.2554	0	20	141*	70	130
Methyl Acetate	1	63.5391	0	20	318*	50	150
Methyl-t-butyl ether	1	38.7733	0	20	194*	70	130
1,1-Dichloroethane	1	28.4651	0	20	142*	70	130
trans-1,2-Dichloroethene	1	27.4258	0	20	137*	70	130
Ethyl-t-butyl ether	1	29.965	0	20	150*	70	130
cis-1,2-Dichloroethene	1	27.9354	0	20	140*	70	130
Bromochloromethane	1	28.7151	0	20	144*	70	130
2,2-Dichloropropane	1	22.6063	0	20	113	70	130
Ethyl acetate	1	25.9594	0	20	130	50	150
1,4-Dioxane	1	1399.108	0	1000	140	50	150
1,1-Dichloropropene	1	27.3785	0	20	137*	70	130
Chloroform	1	27.9023	0	20	140*	70	130
Cyclohexane	1	30.1141	0	20	151*	70	130
1,2-Dichloroethane	1	27.6809	0	20	138*	70	130
2-Butanone	1	21.7937	0	20	109	50	150
1,1,1-Trichloroethane	1	25.8995	0	20	129	70	130
Carbon Tetrachloride	1	23.4909	0	20	117	50	150
Vinyl Acetate	1	18.2479	0	20	91	50	150
Bromodichloromethane	1	26.9764	0	20	135*	70	130
Methylcyclohexane	1	28.0821	0	20	140*	70	130
Dibromomethane	1	26.2141	0	20	131*	70	130
1,2-Dichloropropane	1	28.6179	0	20	143*	70	130
Trichloroethene	1	29.7774	0	20	149*	70	130
Benzene	1	28.3107	0	20	142*	70	130
tert-Amyl methyl ether	1	30.5405	0	20	153*	70	130
Iso-propylacetate	1	27.6008	0	20	138*	70	130
Methyl methacrylate	1	28.9591	0	20	145*	70	130
Dibromochloromethane	1	25.3922	0	20	127	70	130
2-Chloroethylvinylether	1	8.6633	0	20	43*	70	130
cis-1,3-Dichloropropene	1	27.9278	0	20	140*	70	130
trans-1,3-Dichloropropene	1	26.8628	0	20	134*	70	130
Ethyl methacrylate	1	26.797	0	20	134*	70	130
1,1,2-Trichloroethane	1	28.2213	0	20	141*	70	130
1,2-Dibromoethane	1	28.3111	0	20	142*	70	130
1,3-Dichloropropane	1	27.9861	0	20	140*	70	130
4-Methyl-2-Pentanone	1	29.989	0	20	150	50	150
2-Hexanone	1	27.6974	0	20	138	50	150
Tetrachloroethene	1	24.5476	0	20	123	50	150
Toluene	1	27.2974	0	20	136*	70	130
1,1,1,2-Tetrachloroethane	1	24.496	0	20	122	70	130
Chlorobenzene	1	27.7121	0	20	139*	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92620

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	23.9376	0	20	120	70	130
n-Amyl acetate	1	19.1925	0	20	96	70	130
Bromoform	1	21.9773	0	20	110	70	130
Ethylbenzene	1	23.0055	0	20	115	70	130
1,1,2,2-Tetrachloroethane	1	24.372	0	20	122	70	130
Styrene	1	24.2704	0	20	121	70	130
m&p-Xylenes	1	54.6799	0	40	137*	70	130
o-Xylene	1	23.8199	0	20	119	70	130
trans-1,4-Dichloro-2-butene	1	22.0038	0	20	110	50	150
1,3-Dichlorobenzene	1	24.751	0	20	124	70	130
1,4-Dichlorobenzene	1	24.8941	0	20	124	70	130
1,2-Dichlorobenzene	1	26.7275	0	20	134*	70	130
Isopropylbenzene	1	24.9648	0	20	125	70	130
Cyclohexanone	1	272.5079	0	100	273*	50	150
Camphene	1	26.1939	0	20	131*	70	130
1,2,3-Trichloropropane	1	24.1069	0	20	121	70	130
2-Chlorotoluene	1	23.2596	0	20	116	70	130
p-Ethyltoluene	1	25.1196	0	20	126	70	130
4-Chlorotoluene	1	25.0159	0	20	125	70	130
n-Propylbenzene	1	25.9899	0	20	130	70	130
Bromobenzene	1	25.4713	0	20	127	70	130
1,3,5-Trimethylbenzene	1	21.5629	0	20	108	70	130
Butyl methacrylate	1	25.0153	0	20	125	70	130
t-Butylbenzene	1	25.8128	0	20	129	70	130
1,2,4-Trimethylbenzene	1	25.5433	0	20	128	70	130
sec-Butylbenzene	1	26.1086	0	20	131*	70	130
4-Isopropyltoluene	1	26.0728	0	20	130	70	130
n-Butylbenzene	1	27.0925	0	20	135*	70	130
p-Diethylbenzene	1	26.3768	0	20	132*	70	130
1,2,4,5-Tetramethylbenzene	1	29.1062	1.0875	20	140*	70	130
1,2-Dibromo-3-Chloropropane	1	27.3486	0	20	137	50	150
Camphor	1	238.8294	24.3409	200	107	20	150
Hexachlorobutadiene	1	29.9461	0	20	150	50	150
1,2,4-Trichlorobenzene	1	32.3512	2.1117	20	151*	70	130
1,2,3-Trichlorobenzene	1	43.7569	4.2472	20	198*	70	130
Naphthalene	1	42.5099	4.2806	20	191*	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS92620

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91348.D	AD23406-010(MSD)	5/19/2021 1:48:00 AM
Duplicate(If applicable):	11M91349.D	AD23406-010(MS)	5/19/2021 2:09:00 AM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	20.9648	17.0008	21	30
Dichlorodifluoromethane	1	10.6031	7.7901	31*	30
Chloromethane	1	16.8155	6.0758	94*	30
Bromomethane	1	14.6241	10.6274	32*	30
Vinyl Chloride	1	18.2879	14.8413	21	40
Chloroethane	1	27.762	0	200*	30
Trichlorofluoromethane	1	48.0765	32.7129	38*	30
Ethyl ether	1	29.8562	22.5455	28	30
Furan	1	23.1731	17.5285	28	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1	29.0835	22.2397	27	30
Methylene Chloride	1	31.7988	23.8759	28	30
Acrolein	1	147.8691	119.0669	22	30
Acrylonitrile	1	41.5499	36.2104	14	30
Iodomethane	1	15.8737	14.2338	11	30
Acetone	1	258.6244	195.0975	28	30
Carbon Disulfide	1	23.8235	18.2698	26	30
t-Butyl Alcohol	1	90.5519	90.0611	0.54	30
n-Hexane	1	28.664	22.1547	26	30
Di-isopropyl-ether	1	36.5459	28.5134	25	30
1,1-Dichloroethene	1	28.2554	21.6245	27	40
Methyl Acetate	1	63.5391	47.7645	28	30
Methyl-t-butyl ether	1	38.7733	32.3237	18	30
1,1-Dichloroethane	1	28.4651	22.8567	22	40
trans-1,2-Dichloroethene	1	27.4258	21.6395	24	30
Ethyl-t-butyl ether	1	29.965	23.6921	23	30
cis-1,2-Dichloroethene	1	27.9354	22.0997	23	30
Bromochloromethane	1	28.7151	23.0205	22	30
2,2-Dichloropropane	1	22.6063	17.3476	26	30
Ethyl acetate	1	25.9594	24.9366	4	20
1,4-Dioxane	1	1399.108	902.2305	43*	30
1,1-Dichloropropene	1	27.3785	22.2013	21	30
Chloroform	1	27.9023	22.2912	22	40
Cyclohexane	1	30.1141	25.0924	18	30
1,2-Dichloroethane	1	27.6809	21.4214	25	40
2-Butanone	1	21.7937	17.7606	20	40
1,1,1-Trichloroethane	1	25.8995	20.6576	23	30
Carbon Tetrachloride	1	23.4909	18.3555	25	40
Vinyl Acetate	1	18.2479	13.6829	29	30
Bromodichloromethane	1	26.9764	21.6059	22	30
Methylcyclohexane	1	28.0821	21.2336	28	30
Dibromomethane	1	26.2141	21.626	19	30
1,2-Dichloropropane	1	28.6179	22.9948	22	30
Trichloroethene	1	29.7774	22.9583	26	40
Benzene	1	28.3107	22.6667	22	40
tert-Amyl methyl ether	1	30.5405	23.9822	24	30
Iso-propylacetate	1	27.6008	22.7272	19	30
Methyl methacrylate	1	28.9591	20.3945	35*	30
Dibromochloromethane	1	25.3922	20.8577	20	30
2-Chloroethylvinylether	1	8.6633	6.9687	22	30
cis-1,3-Dichloropropene	1	27.9278	22.4851	22	30
trans-1,3-Dichloropropene	1	26.8628	21.6941	21	30
Ethyl methacrylate	1	26.797	22.1342	19	30
1,1,2-Trichloroethane	1	28.2213	23.3964	19	30
1,2-Dibromoethane	1	28.3111	22.8215	21	30
1,3-Dichloropropane	1	27.9861	24.3222	14	30
4-Methyl-2-Pentanone	1	29.989	24.1616	22	30
2-Hexanone	1	27.6974	21.7078	24	30
Tetrachloroethene	1	24.5476	19.8046	21	40
Toluene	1	27.2974	23.5804	15	40
1,1,1,2-Tetrachloroethane	1	24.496	20.0929	20	30
Chlorobenzene	1	27.7121	22.9821	19	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits

QC Batch: MBS92620

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Butyl acrylate	1	23.9376	21.2924	12	30
n-Amyl acetate	1	19.1925	16.7827	13	30
Bromoform	**1**	**21.9773**	**18.8582**	**15**	**30**
Ethylbenzene	**1**	**23.0055**	**19.5776**	**16**	**30**
1,1,2,2-Tetrachloroethane	**1**	**24.372**	**21.4788**	**13**	**30**
Styrene	**1**	**24.2704**	**20.5909**	**16**	**30**
m&p-Xylenes	**1**	**54.6799**	**44.3725**	**21**	**30**
o-Xylene	**1**	**23.8199**	**21.245**	**11**	**30**
trans-1,4-Dichloro-2-butene	1	22.0038	19.3903	13	30
1,3-Dichlorobenzene	**1**	**24.751**	**21.3534**	**15**	**30**
1,4-Dichlorobenzene	**1**	**24.8941**	**22.3701**	**11**	**40**
1,2-Dichlorobenzene	**1**	**26.7275**	**23.4569**	**13**	**40**
Isopropylbenzene	**1**	**24.9648**	**21.4562**	**15**	**30**
Cyclohexanone	1	272.5079	226.6672	18	30
Camphene	1	26.1939	22.9316	13	30
1,2,3-Trichloropropane	1	24.1069	21.0748	13	30
2-Chlorotoluene	1	23.2596	21.0179	10	30
p-Ethyltoluene	1	25.1196	21.967	13	30
4-Chlorotoluene	1	25.0159	21.7555	14	30
n-Propylbenzene	1	25.9899	22.5935	14	40
Bromobenzene	1	25.4713	22.714	11	30
1,3,5-Trimethylbenzene	1	21.5629	18.9718	13	30
Butyl methacrylate	1	25.0153	23.7239	5.3	30
t-Butylbenzene	1	25.8128	22.4046	14	30
1,2,4-Trimethylbenzene	1	25.5433	22.5337	13	30
sec-Butylbenzene	1	26.1086	23.0544	12	40
4-Isopropyltoluene	1	26.0728	22.9026	13	30
n-Butylbenzene	1	27.0925	23.3464	15	30
p-Diethylbenzene	1	26.3768	23.8664	10	30
1,2,4,5-Tetramethylbenzene	1	29.1062	26.1741	11	30
1,2-Dibromo-3-Chloropropane	**1**	**27.3486**	**24.5585**	**11**	**30**
Camphor	1	238.8294	200.8682	17	30
Hexachlorobutadiene	1	29.9461	24.3487	21	30
1,2,4-Trichlorobenzene	**1**	**32.3512**	**27.6521**	**16**	**30**
1,2,3-Trichlorobenzene	**1**	**43.7569**	**37.2395**	**16**	**30**
Naphthalene	1	42.5099	36.0385	16	30

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92624

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M140165.D	MBS92624	5/19/2021 1:05:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	48.9945	0	50	98	20	130
Dichlorodifluoromethane	1	33.7324	0	50	67	20	130
Chloromethane	1	33.6468	0	50	67	20	130
Bromomethane	1	36.3175	0	50	73	20	130
Vinyl Chloride	1	44.0716	0	50	88	20	130
Chloroethane	1	42.0118	0	50	84	20	130
Trichlorofluoromethane	1	69.4846	0	50	139*	20	130
Ethyl ether	1	36.5872	0	50	73	50	130
Furan	1	50.0378	0	50	100	50	130
1,1,2-Trichloro-1,2,2-trifluoroethane	1	104.5701	0	50	209*	50	130
Methylene Chloride	1	47.5014	0	50	95	50	130
Acrolein	1	191.5376	0	200	96	20	130
Acrylonitrile	1	41.9644	0	50	84	20	130
Iodomethane	1	45.3277	0	50	91	50	130
Acetone	1	224.1101	0	200	112	20	130
Carbon Disulfide	1	45.7442	0	50	91	50	130
t-Butyl Alcohol	1	230.3806	0	200	115	20	130
n-Hexane	1	221.3963	0	50	443*	50	130
Di-isopropyl-ether	1	56.4276	0	50	113	50	130
1,1-Dichloroethene	1	45.3438	0	50	91	50	130
Methyl Acetate	1	48.131	0	50	96	50	130
Methyl-t-butyl ether	1	43.6359	0	50	87	50	130
1,1-Dichloroethane	1	49.2385	0	50	98	50	130
trans-1,2-Dichloroethene	1	53.4713	0	50	107	50	130
Ethyl-t-butyl ether	1	49.4531	0	50	99	50	130
cis-1,2-Dichloroethene	1	46.3149	0	50	93	50	130
Bromochloromethane	1	48.9323	0	50	98	50	130
2,2-Dichloropropane	1	56.4471	0	50	113	50	130
Ethyl acetate	1	48.9239	0	50	98	50	130
1,4-Dioxane	1	2596.841	0	2500	104	50	130
1,1-Dichloropropene	1	62.3783	0	50	125	50	130
Chloroform	1	48.7935	0	50	98	50	130
Cyclohexane	1	95.3608	0	50	191*	50	130
1,2-Dichloroethane	1	40.8062	0	50	82	50	130
2-Butanone	1	64.4552	0	50	129	20	130
1,1,1-Trichloroethane	1	54.6039	0	50	109	50	130
Carbon Tetrachloride	1	51.4461	0	50	103	50	130
Vinyl Acetate	1	56.841	0	50	114	50	130
Bromodichloromethane	1	48.585	0	50	97	50	130
Methylcyclohexane	1	119.0316	0	50	238*	50	130
Dibromomethane	1	52.3974	0	50	105	50	130
1,2-Dichloropropane	1	52.9913	0	50	106	50	130
Trichloroethene	1	57.8093	0	50	116	50	130
Benzene	1	53.6129	0	50	107	50	130
tert-Amyl methyl ether	1	55.0908	0	50	110	50	130
Iso-propylacetate	1	48.6408	0	50	97	50	130
Methyl methacrylate	1	50.4639	0	50	101	50	130
Dibromochloromethane	1	43.2171	0	50	86	50	130
2-Chloroethylvinylether	1	52.9587	0	50	106	50	130
cis-1,3-Dichloropropene	1	46.5874	0	50	93	50	130
trans-1,3-Dichloropropene	1	44.248	0	50	88	50	130
Ethyl methacrylate	1	54.7517	0	50	110	50	130
1,1,2-Trichloroethane	1	40.8741	0	50	82	50	130
1,2-Dibromoethane	1	50.395	0	50	101	50	130
1,3-Dichloropropane	1	39.7488	0	50	79	50	130
4-Methyl-2-Pentanone	1	50.5895	0	50	101	20	130
2-Hexanone	1	51.7589	0	50	104	20	130
Tetrachloroethene	1	48.2601	0	50	97	50	130
Toluene	1	49.9215	0	50	100	50	130
1,1,1,2-Tetrachloroethane	1	51.974	0	50	104	50	130
Chlorobenzene	1	43.6187	0	50	87	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92624

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	46.3619	0	50	93	50	130
n-Amyl acetate	1	51.6912	0	50	103	50	130
Bromoform	**1**	**38.3691**	**0**	**50**	**77**	**20**	**130**
Ethylbenzene	**1**	**48.3248**	**0**	**50**	**97**	**50**	**130**
1,1,2,2-Tetrachloroethane	**1**	**39.1154**	**0**	**50**	**78**	**50**	**130**
Styrene	**1**	**47.8962**	**0**	**50**	**96**	**50**	**130**
m&p-Xylenes	**1**	**77.563**	**0**	**100**	**78**	**50**	**130**
o-Xylene	**1**	**46.8706**	**0**	**50**	**94**	**50**	**130**
trans-1,4-Dichloro-2-butene	1	49.7699	0	50	100	20	130
1,3-Dichlorobenzene	**1**	**40.4445**	**0**	**50**	**81**	**50**	**130**
1,4-Dichlorobenzene	**1**	**38.7989**	**0**	**50**	**78**	**50**	**130**
1,2-Dichlorobenzene	**1**	**41.5426**	**0**	**50**	**83**	**50**	**130**
Isopropylbenzene	**1**	**50.0651**	**0**	**50**	**100**	**50**	**130**
Cyclohexanone	1	378.0846	0	250	151 *	50	130
Camphene	1	61.344	0	50	123	50	130
1,2,3-Trichloropropane	1	34.8667	0	50	70	50	130
2-Chlorotoluene	1	45.9636	0	50	92	50	130
p-Ethyltoluene	1	44.8662	0	50	90	50	130
4-Chlorotoluene	1	42.3582	0	50	85	50	130
n-Propylbenzene	1	51.1163	0	50	102	50	130
Bromobenzene	1	46.3025	0	50	93	50	130
1,3,5-Trimethylbenzene	1	37.4188	0	50	75	50	130
Butyl methacrylate	1	44.5329	0	50	89	50	130
t-Butylbenzene	1	47.2548	0	50	95	50	130
1,2,4-Trimethylbenzene	1	42.3903	0	50	85	50	130
sec-Butylbenzene	1	46.9256	0	50	94	50	130
4-Isopropyltoluene	1	45.8952	0	50	92	50	130
n-Butylbenzene	1	48.023	0	50	96	50	130
p-Diethylbenzene	1	48.9235	0	50	98	50	130
1,2,4,5-Tetramethylbenzene	1	53.0775	0	50	106	50	130
1,2-Dibromo-3-Chloropropane	**1**	**48.7359**	**0**	**50**	**97**	**50**	**130**
Camphor	1	490.7978	0	500	98	50	130
Hexachlorobutadiene	1	55.5736	0	50	111	50	130
1,2,4-Trichlorobenzene	**1**	**45.9493**	**0**	**50**	**92**	**50**	**130**
1,2,3-Trichlorobenzene	**1**	**43.2499**	**0**	**50**	**86**	**50**	**130**
Naphthalene	1	47.5443	0	50	95	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92624

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M140163.D	AD23353-006(MS)	5/19/2021 12:23:00 PM
Non Spike(If applicable):	6M140166.D	AD23353-006	5/19/2021 1:26:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	60.1858	0	50	120	20	130
Dichlorodifluoromethane	1	19.4452	0	50	39	20	130
Chloromethane	1	28.2373	0	50	56	20	130
Bromomethane	1	36.7765	0	50	74	20	130
Vinyl Chloride	1	40.6352	0	50	81	20	130
Chloroethane	1	42.5303	0	50	85	20	130
Trichlorofluoromethane	1	76.9866	0	50	154*	20	130
Ethyl ether	1	31.8601	0	50	64	50	130
Furan	1	37.7698	0	50	76	50	130
1,1,2-Trichloro-1,2,2-trifluoroethane	1	111.094	0	50	222*	50	130
Methylene Chloride	1	51.8526	0	50	104	50	130
Acrolein	1	188.3613	0	200	94	20	130
Acrylonitrile	1	46.378	0	50	93	20	130
Iodomethane	1	44.6563	0	50	89	50	130
Acetone	1	255.6772	0	200	128	20	130
Carbon Disulfide	1	48.6694	0	50	97	50	130
t-Butyl Alcohol	1	212.4903	0	200	106	20	130
n-Hexane	1	230.4915	0	50	461*	50	130
Di-isopropyl-ether	1	60.4989	0	50	121	50	130
1,1-Dichloroethene	1	49.0159	0	50	98	50	130
Methyl Acetate	1	64.2376	0	50	128	50	130
Methyl-t-butyl ether	1	46.5202	0	50	93	50	130
1,1-Dichloroethane	1	53.8605	0	50	108	50	130
trans-1,2-Dichloroethene	1	58.1727	0	50	116	50	130
Ethyl-t-butyl ether	1	50.3198	0	50	101	50	130
cis-1,2-Dichloroethene	1	49.4195	0	50	99	50	130
Bromochloromethane	1	51.2063	0	50	102	50	130
2,2-Dichloropropane	1	64.2559	0	50	129	50	130
Ethyl acetate	1	45.8435	0	50	92	50	130
1,4-Dioxane	1	2618.932	0	2500	105	50	130
1,1-Dichloropropene	1	69.8902	0	50	140*	50	130
Chloroform	1	52.8548	0	50	106	50	130
Cyclohexane	1	108.9349	0	50	218*	50	130
1,2-Dichloroethane	1	42.9114	0	50	86	50	130
2-Butanone	1	63.2004	4.1551	50	118	20	130
1,1,1-Trichloroethane	1	61.2689	0	50	123	50	130
Carbon Tetrachloride	1	58.2971	0	50	117	50	130
Vinyl Acetate	1	54.5093	0	50	109	50	130
Bromodichloromethane	1	52.0485	0	50	104	50	130
Methylcyclohexane	1	142.7324	0	50	285*	50	130
Dibromomethane	1	51.5564	0	50	103	50	130
1,2-Dichloropropane	1	58.0473	0	50	116	50	130
Trichloroethene	1	64.6865	0	50	129	50	130
Benzene	1	59.3169	0	50	119	50	130
tert-Amyl methyl ether	1	60.7597	0	50	122	50	130
Iso-propylacetate	1	45.5181	0	50	91	50	130
Methyl methacrylate	1	55.3364	0	50	111	50	130
Dibromochloromethane	1	44.8037	0	50	90	50	130
2-Chloroethylvinylether	1	53.2876	4.3059	50	98	50	130
cis-1,3-Dichloropropene	1	47.0014	0	50	94	50	130
trans-1,3-Dichloropropene	1	47.1012	0	50	94	50	130
Ethyl methacrylate	1	53.2108	0	50	106	50	130
1,1,2-Trichloroethane	1	41.8414	0	50	84	50	130
1,2-Dibromoethane	1	52.373	0	50	105	50	130
1,3-Dichloropropane	1	42.662	0	50	85	50	130
4-Methyl-2-Pentanone	1	51.5886	0	50	103	20	130
2-Hexanone	1	51.9639	0	50	104	20	130
Tetrachloroethene	1	56.6919	0	50	113	50	130
Toluene	1	55.3593	0	50	111	50	130
1,1,1,2-Tetrachloroethane	1	53.9841	0	50	108	50	130
Chlorobenzene	1	47.9966	0	50	96	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92624

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	38.5814	0	50	77	50	130
n-Amyl acetate	1	38.6923	0	50	77	50	130
Bromoform	1	38.3636	0	50	77	20	130
Ethylbenzene	1	49.8599	0	50	100	50	130
1,1,2,2-Tetrachloroethane	1	36.3025	0	50	73	50	130
Styrene	1	51.8997	0	50	104	50	130
m&p-Xylenes	1	87.3388	0	100	87	50	130
o-Xylene	1	51.3873	0	50	103	50	130
trans-1,4-Dichloro-2-butene	1	51.2771	0	50	103	20	130
1,3-Dichlorobenzene	1	46.0742	0	50	92	50	130
1,4-Dichlorobenzene	1	42.9588	0	50	86	50	130
1,2-Dichlorobenzene	1	45.5944	0	50	91	50	130
Isopropylbenzene	1	56.1321	0	50	112	50	130
Cyclohexanone	1	442.0063	26.6458	250	166*	50	130
Camphene	1	70.9884	0	50	142*	50	130
1,2,3-Trichloropropane	1	34.2186	0	50	68	50	130
2-Chlorotoluene	1	51.8651	0	50	104	50	130
p-Ethyltoluene	1	52.9074	0	50	106	50	130
4-Chlorotoluene	1	48.6065	0	50	97	50	130
n-Propylbenzene	1	57.6709	0	50	115	50	130
Bromobenzene	1	48.4293	0	50	97	50	130
1,3,5-Trimethylbenzene	1	43.169	0	50	86	50	130
Butyl methacrylate	1	42.7249	1.2297	50	83	50	130
t-Butylbenzene	1	53.9481	0	50	108	50	130
1,2,4-Trimethylbenzene	1	47.4173	0	50	95	50	130
sec-Butylbenzene	1	53.9906	0	50	108	50	130
4-Isopropyltoluene	1	53.912	0	50	108	50	130
n-Butylbenzene	1	55.4464	0	50	111	50	130
p-Diethylbenzene	1	56.6223	0	50	113	50	130
1,2,4,5-Tetramethylbenzene	1	57.0818	0	50	114	50	130
1,2-Dibromo-3-Chloropropane	1	48.2231	0	50	96	50	130
Camphor	1	457.7524	26.9235	500	86	50	130
Hexachlorobutadiene	1	60.1315	0	50	120	50	130
1,2,4-Trichlorobenzene	1	49.5791	0	50	99	50	130
1,2,3-Trichlorobenzene	1	45.978	0	50	92	50	130
Naphthalene	1	46.3007	2.4504	50	88	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92624

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M140164.D	AD23353-006(MSD)	5/19/2021 12:44:00 PM
Non Spike(If applicable):	6M140166.D	AD23353-006	5/19/2021 1:26:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	57.2044	0	50	114	20	130
Dichlorodifluoromethane	1	18.6734	0	50	37	20	130
Chloromethane	1	24.3435	0	50	49	20	130
Bromomethane	1	34.1494	0	50	68	20	130
Vinyl Chloride	1	35.8359	0	50	72	20	130
Chloroethane	1	43.6485	0	50	87	20	130
Trichlorofluoromethane	1	68.0334	0	50	136*	20	130
Ethyl ether	1	29.3796	0	50	59	50	130
Furan	1	36.0088	0	50	72	50	130
1,1,2-Trichloro-1,2,2-trifluoroethane	1	102.824	0	50	206*	50	130
Methylene Chloride	1	45.3684	0	50	91	50	130
Acrolein	1	178.6102	0	200	89	20	130
Acrylonitrile	1	43.9821	0	50	88	20	130
Iodomethane	1	46.088	0	50	92	50	130
Acetone	1	250.3309	0	200	125	20	130
Carbon Disulfide	1	45.6939	0	50	91	50	130
t-Butyl Alcohol	1	207.7051	0	200	104	20	130
n-Hexane	1	231.6442	0	50	463*	50	130
Di-isopropyl-ether	1	56.5799	0	50	113	50	130
1,1-Dichloroethene	1	46.5253	0	50	93	50	130
Methyl Acetate	1	74.5319	0	50	149*	50	130
Methyl-t-butyl ether	1	44.7281	0	50	89	50	130
1,1-Dichloroethane	1	50.2722	0	50	101	50	130
trans-1,2-Dichloroethene	1	56.1938	0	50	112	50	130
Ethyl-t-butyl ether	1	49.7945	0	50	100	50	130
cis-1,2-Dichloroethene	1	48.8315	0	50	98	50	130
Bromochloromethane	1	50.8852	0	50	102	50	130
2,2-Dichloropropane	1	60.3376	0	50	121	50	130
Ethyl acetate	1	36.3278	0	50	73	50	130
1,4-Dioxane	1	2492.823	0	2500	100	50	130
1,1-Dichloropropene	1	67.4271	0	50	135*	50	130
Chloroform	1	49.8145	0	50	100	50	130
Cyclohexane	1	101.7991	0	50	204*	50	130
1,2-Dichloroethane	1	40.4965	0	50	81	50	130
2-Butanone	1	62.9095	4.1551	50	118	20	130
1,1,1-Trichloroethane	1	56.0863	0	50	112	50	130
Carbon Tetrachloride	1	54.8773	0	50	110	50	130
Vinyl Acetate	1	43.8838	0	50	88	50	130
Bromodichloromethane	1	50.4444	0	50	101	50	130
Methylcyclohexane	1	128.6212	0	50	257*	50	130
Dibromomethane	1	51.0995	0	50	102	50	130
1,2-Dichloropropane	1	53.534	0	50	107	50	130
Trichloroethene	1	60.0327	0	50	120	50	130
Benzene	1	55.6706	0	50	111	50	130
tert-Amyl methyl ether	1	57.9545	0	50	116	50	130
Iso-propylacetate	1	42.2816	0	50	85	50	130
Methyl methacrylate	1	57.3028	0	50	115	50	130
Dibromochloromethane	1	44.2171	0	50	88	50	130
2-Chloroethylvinylether	1	44.4613	4.3059	50	80	50	130
cis-1,3-Dichloropropene	1	47.8785	0	50	96	50	130
trans-1,3-Dichloropropene	1	45.8565	0	50	92	50	130
Ethyl methacrylate	1	48.9821	0	50	98	50	130
1,1,2-Trichloroethane	1	40.9716	0	50	82	50	130
1,2-Dibromoethane	1	50.4455	0	50	101	50	130
1,3-Dichloropropane	1	42.7021	0	50	85	50	130
4-Methyl-2-Pentanone	1	48.6411	0	50	97	20	130
2-Hexanone	1	52.1449	0	50	104	20	130
Tetrachloroethene	1	55.8185	0	50	112	50	130
Toluene	1	54.6021	0	50	109	50	130
1,1,1,2-Tetrachloroethane	1	52.2411	0	50	104	50	130
Chlorobenzene	1	46.1562	0	50	92	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92624

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	31.2479	0	50	62	50	130
n-Amyl acetate	1	28.7696	0	50	58	50	130
Bromoform	1	37.3738	0	50	75	20	130
Ethylbenzene	1	51.7562	0	50	104	50	130
1,1,2,2-Tetrachloroethane	1	36.9887	0	50	74	50	130
Styrene	1	50.1293	0	50	100	50	130
m&p-Xylenes	1	84.7619	0	100	85	50	130
o-Xylene	1	49.4325	0	50	99	50	130
trans-1,4-Dichloro-2-butene	1	49.6871	0	50	99	20	130
1,3-Dichlorobenzene	1	43.3763	0	50	87	50	130
1,4-Dichlorobenzene	1	41.0154	0	50	82	50	130
1,2-Dichlorobenzene	1	42.0542	0	50	84	50	130
Isopropylbenzene	1	53.6445	0	50	107	50	130
Cyclohexanone	1	465.0328	26.6458	250	175*	50	130
Camphene	1	67.3544	0	50	135*	50	130
1,2,3-Trichloropropane	1	35.0455	0	50	70	50	130
2-Chlorotoluene	1	51.4853	0	50	103	50	130
p-Ethyltoluene	1	50.6066	0	50	101	50	130
4-Chlorotoluene	1	45.8447	0	50	92	50	130
n-Propylbenzene	1	54.9677	0	50	110	50	130
Bromobenzene	1	47.0789	0	50	94	50	130
1,3,5-Trimethylbenzene	1	41.5839	0	50	83	50	130
Butyl methacrylate	1	36.9388	1.2297	50	71	50	130
t-Butylbenzene	1	50.1312	0	50	100	50	130
1,2,4-Trimethylbenzene	1	44.9411	0	50	90	50	130
sec-Butylbenzene	1	51.8899	0	50	104	50	130
4-Isopropyltoluene	1	50.6252	0	50	101	50	130
n-Butylbenzene	1	51.7644	0	50	104	50	130
p-Diethylbenzene	1	53.2885	0	50	107	50	130
1,2,4,5-Tetramethylbenzene	1	53.857	0	50	108	50	130
1,2-Dibromo-3-Chloropropane	1	46.8788	0	50	94	50	130
Camphor	1	469.307	26.9235	500	88	50	130
Hexachlorobutadiene	1	55.3219	0	50	111	50	130
1,2,4-Trichlorobenzene	1	48.0164	0	50	96	50	130
1,2,3-Trichlorobenzene	1	43.7289	0	50	87	50	130
Naphthalene	1	46.1398	2.4504	50	87	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS92624

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M140164.D	AD23353-006(MSD)	5/19/2021 12:44:00 PM
Duplicate(If applicable):	6M140163.D	AD23353-006(MS)	5/19/2021 12:23:00 PM
Inst Blank(If applicable):			

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	57.2044	60.1858	5.1	30
Dichlorodifluoromethane	1	18.6734	19.4452	4	30
Chloromethane	1	24.3435	28.2373	15	30
Bromomethane	1	34.1494	36.7765	7.4	30
Vinyl Chloride	1	35.8359	40.6352	13	40
Chloroethane	1	43.6485	42.5303	2.6	30
Trichlorofluoromethane	1	68.0334	76.9866	12	30
Ethyl ether	1	29.3796	31.8601	8.1	30
Furan	1	36.0088	37.7698	4.8	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1	102.824	111.094	7.7	30
Methylene Chloride	1	45.3684	51.8526	13	30
Acrolein	1	178.6102	188.3613	5.3	30
Acrylonitrile	1	43.9821	46.378	5.3	30
Iodomethane	1	46.088	44.6563	3.2	30
Acetone	1	250.3309	255.6772	2.1	30
Carbon Disulfide	1	45.6939	48.6694	6.3	30
t-Butyl Alcohol	1	207.7051	212.4903	2.3	30
n-Hexane	1	231.6442	230.4915	0.5	30
Di-isopropyl-ether	1	56.5799	60.4989	6.7	30
1,1-Dichloroethene	1	46.5253	49.0159	5.2	40
Methyl Acetate	1	74.5319	64.2376	15	30
Methyl-t-butyl ether	1	44.7281	46.5202	3.9	30
1,1-Dichloroethane	1	50.2722	53.8605	6.9	40
trans-1,2-Dichloroethene	1	56.1938	58.1727	3.5	30
Ethyl-t-butyl ether	1	49.7945	50.3198	1	30
cis-1,2-Dichloroethene	1	48.8315	49.4195	1.2	30
Bromochloromethane	1	50.8852	51.2063	0.63	30
2,2-Dichloropropane	1	60.3376	64.2559	6.3	30
Ethyl acetate	1	36.3278	45.8435	23	30
1,4-Dioxane	1	2492.823	2618.932	4.9	30
1,1-Dichloropropene	1	67.4271	69.8902	3.6	30
Chloroform	1	49.8145	52.8548	5.9	40
Cyclohexane	1	101.7991	108.9349	6.8	30
1,2-Dichloroethane	1	40.4965	42.9114	5.8	40
2-Butanone	1	62.9095	63.2004	0.46	40
1,1,1-Trichloroethane	1	56.0863	61.2689	8.8	30
Carbon Tetrachloride	1	54.8773	58.2971	6	40
Vinyl Acetate	1	43.8838	54.5093	22	30
Bromodichloromethane	1	50.4444	52.0485	3.1	30
Methylcyclohexane	1	128.6212	142.7324	10	30
Dibromomethane	1	51.0995	51.5564	0.89	30
1,2-Dichloropropane	1	53.534	58.0473	8.1	30
Trichloroethene	1	60.0327	64.6865	7.5	40
Benzene	1	55.6706	59.3169	6.3	40
tert-Amyl methyl ether	1	57.9545	60.7597	4.7	30
Iso-propylacetate	1	42.2816	45.5181	7.4	30
Methyl methacrylate	1	57.3028	55.3364	3.5	30
Dibromochloromethane	1	44.2171	44.8037	1.3	30
2-Chloroethylvinylether	1	44.4613	53.2876	18	30
cis-1,3-Dichloropropene	1	47.8785	47.0014	1.8	30
trans-1,3-Dichloropropene	1	45.8565	47.1012	2.7	30
Ethyl methacrylate	1	48.9821	53.2108	8.3	30
1,1,2-Trichloroethane	1	40.9716	41.8414	2.1	30
1,2-Dibromoethane	1	50.4455	52.373	3.7	30
1,3-Dichloropropane	1	42.7021	42.662	0.09	30
4-Methyl-2-Pentanone	1	48.6411	51.5886	5.9	30
2-Hexanone	1	52.1449	51.9639	0.35	30
Tetrachloroethene	1	55.8185	56.6919	1.6	40
Toluene	1	54.6021	55.3593	1.4	40
1,1,1,2-Tetrachloroethane	1	52.2411	53.9841	3.3	30
Chlorobenzene	1	46.1562	47.9966	3.9	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS92624

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Butyl acrylate	1	31.2479	38.5814	21	30
n-Amyl acetate	1	28.7696	38.6923	29	30
Bromoform	**1**	**37.3738**	**38.3636**	**2.6**	**30**
Ethylbenzene	**1**	**51.7562**	**49.8599**	**3.7**	**30**
1,1,2,2-Tetrachloroethane	**1**	**36.9887**	**36.3025**	**1.9**	**30**
Styrene	**1**	**50.1293**	**51.8997**	**3.5**	**30**
m&p-Xylenes	**1**	**84.7619**	**87.3388**	**3**	**30**
o-Xylene	**1**	**49.4325**	**51.3873**	**3.9**	**30**
trans-1,4-Dichloro-2-butene	1	49.6871	51.2771	3.1	30
1,3-Dichlorobenzene	**1**	**43.3763**	**46.0742**	**6**	**30**
1,4-Dichlorobenzene	**1**	**41.0154**	**42.9588**	**4.6**	**40**
1,2-Dichlorobenzene	**1**	**42.0542**	**45.5944**	**8.1**	**40**
Isopropylbenzene	**1**	**53.6445**	**56.1321**	**4.5**	**30**
Cyclohexanone	1	465.0328	442.0063	5.1	30
Camphene	1	67.3544	70.9884	5.3	30
1,2,3-Trichloropropane	1	35.0455	34.2186	2.4	30
2-Chlorotoluene	1	51.4853	51.8651	0.73	30
p-Ethyltoluene	1	50.6066	52.9074	4.4	30
4-Chlorotoluene	1	45.8447	48.6065	5.8	30
n-Propylbenzene	1	54.9677	57.6709	4.8	40
Bromobenzene	1	47.0789	48.4293	2.8	30
1,3,5-Trimethylbenzene	1	41.5839	43.169	3.7	30
Butyl methacrylate	1	36.9388	42.7249	15	30
t-Butylbenzene	1	50.1312	53.9481	7.3	30
1,2,4-Trimethylbenzene	1	44.9411	47.4173	5.4	30
sec-Butylbenzene	1	51.8899	53.9906	4	40
4-Isopropyltoluene	1	50.6252	53.912	6.3	30
n-Butylbenzene	1	51.7644	55.4464	6.9	30
p-Diethylbenzene	1	53.2885	56.6223	6.1	30
1,2,4,5-Tetramethylbenzene	1	53.857	57.0818	5.8	30
1,2-Dibromo-3-Chloropropane	**1**	**46.8788**	**48.2231**	**2.8**	**30**
Camphor	1	469.307	457.7524	2.5	30
Hexachlorobutadiene	1	55.3219	60.1315	8.3	30
1,2,4-Trichlorobenzene	**1**	**48.0164**	**49.5791**	**3.2**	**30**
1,2,3-Trichlorobenzene	**1**	**43.7289**	**45.978**	**5**	**30**
Naphthalene	1	46.1398	46.3007	0.35	30

* - Indicates outside of limits | NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92626

Data File	Sample ID:	Analysis Date
Spike or Dup: 11M91404.D	MBS92626	5/19/2021 9:35:00 PM
Non Spike(If applicable):		
Inst Blank(If applicable):		

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	29.1634	0	20	146	50	150
Dichlorodifluoromethane	1	17.8792	0	20	89	50	150
Chloromethane	1	17.8339	0	20	89	50	150
Bromomethane	1	10.7658	0	20	54	50	150
Vinyl Chloride	1	17.5518	0	20	88	50	150
Chloroethane	1	52.6849	0	20	263*	50	150
Trichlorofluoromethane	1	23.5466	0	20	118	50	150
Ethyl ether	1	24.559	0	20	123	50	150
Furan	1	21.4822	0	20	107	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	21.6488	0	20	108	50	150
Methylene Chloride	1	22.1966	0	20	111	70	130
Acrolein	1	118.9524	0	100	119	50	150
Acrylonitrile	1	32.0489	0	20	160*	50	150
Iodomethane	1	16.4223	0	20	82	50	150
Acetone	1	154.9491	0	100	155*	50	150
Carbon Disulfide	1	17.6865	0	20	88	50	150
t-Butyl Alcohol	1	78.6602	0	100	79	50	150
n-Hexane	1	25.0877	0	20	125	70	130
Di-isopropyl-ether	1	25.5749	0	20	128	70	130
1,1-Dichloroethene	1	20.7162	0	20	104	70	130
Methyl Acetate	1	33.0173	0	20	165*	50	150
Methyl-t-butyl ether	1	26.7298	0	20	134*	70	130
1,1-Dichloroethane	1	20.2007	0	20	101	70	130
trans-1,2-Dichloroethene	1	20.0264	0	20	100	70	130
Ethyl-t-butyl ether	1	22.0772	0	20	110	70	130
cis-1,2-Dichloroethene	1	20.4425	0	20	102	70	130
Bromochloromethane	1	21.3483	0	20	107	70	130
2,2-Dichloropropane	1	19.5301	0	20	98	70	130
Ethyl acetate	1	24.5245	0	20	123	50	150
1,4-Dioxane	1	851.9682	0	1000	85	50	150
1,1-Dichloropropene	1	19.8391	0	20	99	70	130
Chloroform	1	20.9493	0	20	105	70	130
Cyclohexane	1	22.9947	0	20	115	70	130
1,2-Dichloroethane	1	19.0964	0	20	95	70	130
2-Butanone	1	26.2296	0	20	131	50	150
1,1,1-Trichloroethane	1	19.034	0	20	95	70	130
Carbon Tetrachloride	1	18.1206	0	20	91	50	150
Vinyl Acetate	1	17.3357	0	20	87	50	150
Bromodichloromethane	1	19.6773	0	20	98	70	130
Methylcyclohexane	1	20.6127	0	20	103	70	130
Dibromomethane	1	19.5749	0	20	98	70	130
1,2-Dichloropropane	1	20.9656	0	20	105	70	130
Trichloroethene	1	19.5842	0	20	98	70	130
Benzene	1	20.217	0	20	101	70	130
tert-Amyl methyl ether	1	19.1418	0	20	96	70	130
Iso-propylacetate	1	19.4209	0	20	97	70	130
Methyl methacrylate	1	18.2126	0	20	91	70	130
Dibromochloromethane	1	18.3416	0	20	92	70	130
2-Chloroethylvinylether	1	5.3414	0	20	27*	70	130
cis-1,3-Dichloropropene	1	20.715	0	20	104	70	130
trans-1,3-Dichloropropene	1	20.0123	0	20	100	70	130
Ethyl methacrylate	1	19.6356	0	20	98	70	130
1,1,2-Trichloroethane	1	20.2785	0	20	101	70	130
1,2-Dibromoethane	1	20.2444	0	20	101	70	130
1,3-Dichloropropane	1	20.8837	0	20	104	70	130
4-Methyl-2-Pentanone	1	20.3465	0	20	102	50	150
2-Hexanone	1	19.5088	0	20	98	50	150
Tetrachloroethene	1	17.9853	0	20	90	50	150
Toluene	1	20.6567	0	20	103	70	130
1,1,1,2-Tetrachloroethane	1	18.3825	0	20	92	70	130
Chlorobenzene	1	20.3654	0	20	102	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92626

Method: 8260D	Matrix: Methanol		Units: mg/Kg	QC Type: MBS		
Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	18.6248	0	20	93	70	130
n-Amyl acetate	1	16.092	0	20	80	70	130
Bromoform	1	17.7325	0	20	89	70	130
Ethylbenzene	1	16.4975	0	20	82	70	130
1,1,2,2-Tetrachloroethane	1	20.3262	0	20	102	70	130
Styrene	1	18.7246	0	20	94	70	130
m&p-Xylenes	1	40.702	0	40	102	70	130
o-Xylene	1	18.2165	0	20	91	70	130
trans-1,4-Dichloro-2-butene	1	15.3926	0	20	77	50	150
1,3-Dichlorobenzene	1	18.9834	0	20	95	70	130
1,4-Dichlorobenzene	1	19.8555	0	20	99	70	130
1,2-Dichlorobenzene	1	20.3397	0	20	102	70	130
Isopropylbenzene	1	19.0203	0	20	95	70	130
Cyclohexanone	1	144.2056	0	100	144	50	150
Camphene	1	18.4128	0	20	92	70	130
1,2,3-Trichloropropane	1	17.6645	0	20	88	70	130
2-Chlorotoluene	1	18.7177	0	20	94	70	130
p-Ethyltoluene	1	19.2061	0	20	96	70	130
4-Chlorotoluene	1	19.7927	0	20	99	70	130
n-Propylbenzene	1	19.6895	0	20	98	70	130
Bromobenzene	1	19.1882	0	20	96	70	130
1,3,5-Trimethylbenzene	1	16.3514	0	20	82	70	130
Butyl methacrylate	1	18.5671	0	20	93	70	130
t-Butylbenzene	1	19.4335	0	20	97	70	130
1,2,4-Trimethylbenzene	1	19.8248	0	20	99	70	130
sec-Butylbenzene	1	19.5736	0	20	98	70	130
4-Isopropyltoluene	1	19.8488	0	20	99	70	130
n-Butylbenzene	1	18.2996	0	20	91	70	130
p-Diethylbenzene	1	17.5978	0	20	88	70	130
1,2,4,5-Tetramethylbenzene	1	23.5478	0	20	118	70	130
1,2-Dibromo-3-Chloropropane	1	18.0133	0	20	90	50	150
Camphor	1	165.8775	0	200	83	20	150
Hexachlorobutadiene	1	21.1537	0	20	106	50	150
1,2,4-Trichlorobenzene	1	24.4544	0	20	122	70	130
1,2,3-Trichlorobenzene	1	31.0171	0	20	155*	70	130
Naphthalene	1	29.5349	0	20	148	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92626

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91415.D	AD23438-001(MS)	5/20/2021 1:31:00 AM
Non Spike(If applicable):	11M91411.D	AD23438-001	5/20/2021 12:06:00 AM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	0	0	20	0*	50	150
Dichlorodifluoromethane	1	11.0034	0	20	55	50	150
Chloromethane	1	14.5976	0	20	73	50	150
Bromomethane	1	10.8049	1.8499	20	45*	50	150
Vinyl Chloride	1	15.6232	0	20	78	50	150
Chloroethane	1	0	0	20	0*	50	150
Trichlorofluoromethane	1	31.1459	0	20	156*	50	150
Ethyl ether	1	23.6478	0	20	118	50	150
Furan	1	18.8858	0	20	94	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	27.0982	0	20	135	50	150
Methylene Chloride	1	27.0352	0	20	135*	70	130
Acrolein	1	130.3829	0	100	130	50	150
Acrylonitrile	1	36.282	0	20	181*	50	150
Iodomethane	1	14.7403	0	20	74	50	150
Acetone	1	169.7421	0	100	170*	50	150
Carbon Disulfide	1	20.7171	0	20	104	50	150
t-Butyl Alcohol	1	92.2184	0	100	92	50	150
n-Hexane	1	26.9827	0	20	135*	70	130
Di-isopropyl-ether	1	31.1837	0	20	156*	70	130
1,1-Dichloroethene	1	24.1592	0	20	121	70	130
Methyl Acetate	1	58.1147	13.0392	20	225*	50	150
Methyl-t-butyl ether	1	33.2845	0	20	166*	70	130
1,1-Dichloroethane	1	24.4009	0	20	122	70	130
trans-1,2-Dichloroethene	1	23.2666	0	20	116	70	130
Ethyl-t-butyl ether	1	26.6324	0	20	133*	70	130
cis-1,2-Dichloroethene	1	23.9716	0	20	120	70	130
Bromochloromethane	1	25.6073	0	20	128	70	130
2,2-Dichloropropane	1	20.8474	0	20	104	70	130
Ethyl acetate	1	36.4985	0	20	182*	50	150
1,4-Dioxane	1	1081.121	0	1000	108	50	150
1,1-Dichloropropene	1	23.5078	0	20	118	70	130
Chloroform	1	23.6996	0	20	118	70	130
Cyclohexane	1	26.8488	0	20	134*	70	130
1,2-Dichloroethane	1	24.6623	0	20	123	70	130
2-Butanone	1	0	0	20	0*	50	150
1,1,1-Trichloroethane	1	23.1896	0	20	116	70	130
Carbon Tetrachloride	1	20.8432	0	20	104	50	150
Vinyl Acetate	1	17.5974	0	20	88	50	150
Bromodichloromethane	1	24.8661	0	20	124	70	130
Methylcyclohexane	1	26.3923	0	20	132*	70	130
Dibromomethane	1	23.034	0	20	115	70	130
1,2-Dichloropropane	1	25.8596	0	20	129	70	130
Trichloroethene	1	23.7255	0	20	119	70	130
Benzene	1	24.4613	0	20	122	70	130
tert-Amyl methyl ether	1	27.7039	0	20	139*	70	130
Iso-propylacetate	1	31.9743	0	20	160*	70	130
Methyl methacrylate	1	23.2195	0	20	116	70	130
Dibromochloromethane	1	23.3864	0	20	117	70	130
2-Chloroethylvinylether	1	7.5684	0	20	38*	70	130
cis-1,3-Dichloropropene	1	25.7058	1.0749	20	123	70	130
trans-1,3-Dichloropropene	1	24.6021	1.5413	20	115	70	130
Ethyl methacrylate	1	24.4794	0	20	122	70	130
1,1,2-Trichloroethane	1	25.0714	0	20	125	70	130
1,2-Dibromoethane	1	24.7661	0	20	124	70	130
1,3-Dichloropropane	1	25.1244	0	20	126	70	130
4-Methyl-2-Pentanone	1	25.8875	0	20	129	50	150
2-Hexanone	1	24.6674	0	20	123	50	150
Tetrachloroethene	1	20.5572	0	20	103	50	150
Toluene	1	25.1438	0	20	126	70	130
1,1,1,2-Tetrachloroethane	1	21.6814	0	20	108	70	130
Chlorobenzene	1	24.2808	0	20	121	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92626

Method: 8260D	Matrix: Methanol		Units: mg/Kg	QC Type: MS		
Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	24.3003	0	20	122	70	130
n-Amyl acetate	1	20.0371	0	20	100	70	130
Bromoform	**1**	**20.9989**	**0**	**20**	**105**	**70**	**130**
Ethylbenzene	**1**	**23.1434**	**0**	**20**	**116**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**23.3049**	**0**	**20**	**117**	**70**	**130**
Styrene	**1**	**22.0428**	**0**	**20**	**110**	**70**	**130**
m&p-Xylenes	**1**	**47.9198**	**0**	**40**	**120**	**70**	**130**
o-Xylene	**1**	**21.696**	**0**	**20**	**108**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	20.3526	0	20	102	50	150
1,3-Dichlorobenzene	**1**	**22.8515**	**0**	**20**	**114**	**70**	**130**
1,4-Dichlorobenzene	**1**	**23.3257**	**0**	**20**	**117**	**70**	**130**
1,2-Dichlorobenzene	**1**	**24.2036**	**0**	**20**	**121**	**70**	**130**
Isopropylbenzene	**1**	**22.535**	**0**	**20**	**113**	**70**	**130**
Cyclohexanone	1	169.943	0	100	170*	50	150
Camphene	1	22.7731	0	20	114	70	130
1,2,3-Trichloropropane	1	22.5488	0	20	113	70	130
2-Chlorotoluene	1	22.487	0	20	112	70	130
p-Ethyltoluene	1	22.9079	0	20	115	70	130
4-Chlorotoluene	1	22.8594	0	20	114	70	130
n-Propylbenzene	1	23.1725	0	20	116	70	130
Bromobenzene	1	23.1617	0	20	116	70	130
1,3,5-Trimethylbenzene	1	19.6681	0	20	98	70	130
Butyl methacrylate	1	24.7388	0	20	124	70	130
t-Butylbenzene	1	23.0668	0	20	115	70	130
1,2,4-Trimethylbenzene	1	23.4227	0	20	117	70	130
sec-Butylbenzene	1	24.1	0	20	121	70	130
4-Isopropyltoluene	1	24.1437	0	20	121	70	130
n-Butylbenzene	1	24.6876	0	20	123	70	130
p-Diethylbenzene	1	24.9725	0	20	125	70	130
1,2,4,5-Tetramethylbenzene	1	27.6414	0	20	138*	70	130
1,2-Dibromo-3-Chloropropane	**1**	**25.2979**	**0**	**20**	**126**	**50**	**150**
Camphor	1	205.5725	0	200	103	20	150
Hexachlorobutadiene	1	26.5379	0	20	133	50	150
1,2,4-Trichlorobenzene	**1**	**29.3005**	**0**	**20**	**147***	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**37.8565**	**0**	**20**	**189***	**70**	**130**
Naphthalene	1	37.4076	1.4139	20	180*	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92626

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91416.D	AD23438-001(MSD)	5/20/2021 1:52:00 AM
Non Spike(If applicable):	11M91411.D	AD23438-001	5/20/2021 12:06:00 AM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	0	0	20	0*	50	150
Dichlorodifluoromethane	1	9.3875	0	20	47*	50	150
Chloromethane	1	13.2748	0	20	66	50	150
Bromomethane	1	0	1.8499	20	-9.2*	50	150
Vinyl Chloride	1	13.4619	0	20	67	50	150
Chloroethane	1	0	0	20	0*	50	150
Trichlorofluoromethane	1	28.4313	0	20	142	50	150
Ethyl ether	1	20.1118	0	20	101	50	150
Furan	1	16.1553	0	20	81	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	22.3137	0	20	112	50	150
Methylene Chloride	1	22.6283	0	20	113	70	130
Acrolein	1	117.6674	0	100	118	50	150
Acrylonitrile	1	33.5815	0	20	168*	50	150
Iodomethane	1	13.5474	0	20	68	50	150
Acetone	1	169.1887	0	100	169*	50	150
Carbon Disulfide	1	17.4351	0	20	87	50	150
t-Butyl Alcohol	1	32.4091	0	100	32*	50	150
n-Hexane	1	22.6056	0	20	113	70	130
Di-isopropyl-ether	1	26.9408	0	20	135*	70	130
1,1-Dichloroethene	1	22.2325	0	20	111	70	130
Methyl Acetate	1	55.4102	13.0392	20	212*	50	150
Methyl-t-butyl ether	1	29.5585	0	20	148*	70	130
1,1-Dichloroethane	1	21.6669	0	20	108	70	130
trans-1,2-Dichloroethene	1	20.6487	0	20	103	70	130
Ethyl-t-butyl ether	1	22.9994	0	20	115	70	130
cis-1,2-Dichloroethene	1	20.976	0	20	105	70	130
Bromochloromethane	1	22.0259	0	20	110	70	130
2,2-Dichloropropane	1	18.2624	0	20	91	70	130
Ethyl acetate	1	34.5269	0	20	173*	50	150
1,4-Dioxane	1	972.4306	0	1000	97	50	150
1,1-Dichloropropene	1	21.0419	0	20	105	70	130
Chloroform	1	20.6841	0	20	103	70	130
Cyclohexane	1	23.0155	0	20	115	70	130
1,2-Dichloroethane	1	21.0247	0	20	105	70	130
2-Butanone	1	0	0	20	0*	50	150
1,1,1-Trichloroethane	1	19.3851	0	20	97	70	130
Carbon Tetrachloride	1	17.8955	0	20	89	50	150
Vinyl Acetate	1	15.8404	0	20	79	50	150
Bromodichloromethane	1	20.9984	0	20	105	70	130
Methylcyclohexane	1	22.9346	0	20	115	70	130
Dibromomethane	1	19.7455	0	20	99	70	130
1,2-Dichloropropane	1	22.6358	0	20	113	70	130
Trichloroethene	1	21.1648	0	20	106	70	130
Benzene	1	21.5775	0	20	108	70	130
tert-Amyl methyl ether	1	22.5772	0	20	113	70	130
Iso-propylacetate	1	70.6569	0	20	353*	70	130
Methyl methacrylate	1	20.4842	0	20	102	70	130
Dibromochloromethane	1	20.2529	0	20	101	70	130
2-Chloroethylvinylether	1	7.3393	0	20	37*	70	130
cis-1,3-Dichloropropene	1	22.6161	1.0749	20	108	70	130
trans-1,3-Dichloropropene	1	22.0219	1.5413	20	102	70	130
Ethyl methacrylate	1	23.3243	0	20	117	70	130
1,1,2-Trichloroethane	1	22.5959	0	20	113	70	130
1,2-Dibromoethane	1	22.718	0	20	114	70	130
1,3-Dichloropropane	1	22.0112	0	20	110	70	130
4-Methyl-2-Pentanone	1	23.7175	0	20	119	50	150
2-Hexanone	1	25.1019	0	20	126	50	150
Tetrachloroethene	1	18.4462	0	20	92	50	150
Toluene	1	21.7173	0	20	109	70	130
1,1,1,2-Tetrachloroethane	1	19.6996	0	20	98	70	130
Chlorobenzene	1	21.6701	0	20	108	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92626

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	21.4744	0	20	107	70	130
n-Amyl acetate	1	18.7153	0	20	94	70	130
Bromoform	1	19.0005	0	20	95	70	130
Ethylbenzene	1	19.3473	0	20	97	70	130
1,1,2,2-Tetrachloroethane	1	20.1409	0	20	101	70	130
Styrene	1	19.4675	0	20	97	70	130
m&p-Xylenes	1	40.8019	0	40	102	70	130
o-Xylene	1	19.1197	0	20	96	70	130
trans-1,4-Dichloro-2-butene	1	19.8773	0	20	99	50	150
1,3-Dichlorobenzene	1	20.1303	0	20	101	70	130
1,4-Dichlorobenzene	1	20.6072	0	20	103	70	130
1,2-Dichlorobenzene	1	22.0242	0	20	110	70	130
Isopropylbenzene	1	19.9009	0	20	100	70	130
Cyclohexanone	1	162.9585	0	100	163*	50	150
Camphene	1	20.2703	0	20	101	70	130
1,2,3-Trichloropropane	1	20.5219	0	20	103	70	130
2-Chlorotoluene	1	19.1088	0	20	96	70	130
p-Ethyltoluene	1	20.5393	0	20	103	70	130
4-Chlorotoluene	1	21.2294	0	20	106	70	130
n-Propylbenzene	1	20.717	0	20	104	70	130
Bromobenzene	1	21.1622	0	20	106	70	130
1,3,5-Trimethylbenzene	1	17.0851	0	20	85	70	130
Butyl methacrylate	1	22.2107	0	20	111	70	130
t-Butylbenzene	1	20.2247	0	20	101	70	130
1,2,4-Trimethylbenzene	1	20.5634	0	20	103	70	130
sec-Butylbenzene	1	21.3256	0	20	107	70	130
4-Isopropyltoluene	1	21.0594	0	20	105	70	130
n-Butylbenzene	1	21.635	0	20	108	70	130
p-Diethylbenzene	1	21.9153	0	20	110	70	130
1,2,4,5-Tetramethylbenzene	1	24.7364	0	20	124	70	130
1,2-Dibromo-3-Chloropropane	1	20.1779	0	20	101	50	150
Camphor	1	192.0393	0	200	96	20	150
Hexachlorobutadiene	1	22.6059	0	20	113	50	150
1,2,4-Trichlorobenzene	1	25.936	0	20	130	70	130
1,2,3-Trichlorobenzene	1	33.1522	0	20	166*	70	130
Naphthalene	1	33.2941	1.4139	20	159*	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS92626

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91416.D	AD23438-001(MSD)	5/20/2021 1:52:00 AM
Duplicate(If applicable):	11M91415.D	AD23438-001(MS)	5/20/2021 1:31:00 AM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	0	0	NA	30
Dichlorodifluoromethane	**1**	**9.3875**	**11.0034**	**16**	**30**
Chloromethane	**1**	**13.2748**	**14.5976**	**9.5**	**30**
Bromomethane	**1**	**0**	**10.8049**	**200***	**30**
Vinyl Chloride	**1**	**13.4619**	**15.6232**	**15**	**40**
Chloroethane	**1**	**0**	**0**	**NA**	**30**
Trichlorofluoromethane	**1**	**28.4313**	**31.1459**	**9.1**	**30**
Ethyl ether	1	20.1118	23.6478	16	30
Furan	1	16.1553	18.8858	16	30
1,1,2-Trichloro-1,2,2-trifluoroethane	**1**	**22.3137**	**27.0982**	**19**	**30**
Methylene Chloride	**1**	**22.6283**	**27.0352**	**18**	**30**
Acrolein	1	117.6674	130.3829	10	30
Acrylonitrile	1	33.5815	36.282	7.7	30
Iodomethane	1	13.5474	14.7403	8.4	30
Acetone	**1**	**169.1887**	**169.7421**	**0.33**	**30**
Carbon Disulfide	**1**	**17.4351**	**20.7171**	**17**	**30**
t-Butyl Alcohol	1	32.4091	92.2184	96*	30
n-Hexane	1	22.6056	26.9827	18	30
Di-isopropyl-ether	1	26.9408	31.1837	15	30
1,1-Dichloroethene	**1**	**22.2325**	**24.1592**	**8.3**	**40**
Methyl Acetate	**1**	**55.4102**	**58.1147**	**4.8**	**30**
Methyl-t-butyl ether	**1**	**29.5585**	**33.2845**	**12**	**30**
1,1-Dichloroethane	**1**	**21.6669**	**24.4009**	**12**	**40**
trans-1,2-Dichloroethene	**1**	**20.6487**	**23.2666**	**12**	**30**
Ethyl-t-butyl ether	1	22.9994	26.6324	15	30
cis-1,2-Dichloroethene	**1**	**20.976**	**23.9716**	**13**	**30**
Bromochloromethane	**1**	**22.0259**	**25.6073**	**15**	**30**
2,2-Dichloropropane	1	18.2624	20.8474	13	30
Ethyl acetate	1	34.5269	36.4985	5.6	20
1,4-Dioxane	**1**	**972.4306**	**1081.121**	**11**	**30**
1,1-Dichloropropene	1	21.0419	23.5078	11	30
Chloroform	**1**	**20.6841**	**23.6996**	**14**	**40**
Cyclohexane	**1**	**23.0155**	**26.8488**	**15**	**30**
1,2-Dichloroethane	**1**	**21.0247**	**24.6623**	**16**	**40**
2-Butanone	**1**	**0**	**0**	**NA**	**40**
1,1,1-Trichloroethane	**1**	**19.3851**	**23.1896**	**18**	**30**
Carbon Tetrachloride	**1**	**17.8955**	**20.8432**	**15**	**40**
Vinyl Acetate	1	15.8404	17.5974	11	30
Bromodichloromethane	**1**	**20.9984**	**24.8661**	**17**	**30**
Methylcyclohexane	**1**	**22.9346**	**26.3923**	**14**	**30**
Dibromomethane	1	19.7455	23.034	15	30
1,2-Dichloropropane	**1**	**22.6358**	**25.8596**	**13**	**30**
Trichloroethene	**1**	**21.1648**	**23.7255**	**11**	**40**
Benzene	**1**	**21.5775**	**24.4613**	**13**	**40**
tert-Amyl methyl ether	1	22.5772	27.7039	20	30
Iso-propylacetate	1	70.6569	31.9743	75*	30
Methyl methacrylate	1	20.4842	23.2195	13	30
Dibromochloromethane	**1**	**20.2529**	**23.3864**	**14**	**30**
2-Chloroethylvinylether	1	7.3393	7.5684	3.1	30
cis-1,3-Dichloropropene	**1**	**22.6161**	**25.7058**	**13**	**30**
trans-1,3-Dichloropropene	**1**	**22.0219**	**24.6021**	**11**	**30**
Ethyl methacrylate	1	23.3243	24.4794	4.8	30
1,1,2-Trichloroethane	**1**	**22.5959**	**25.0714**	**10**	**30**
1,2-Dibromoethane	**1**	**22.718**	**24.7661**	**8.6**	**30**
1,3-Dichloropropane	1	22.0112	25.1244	13	30
4-Methyl-2-Pentanone	**1**	**23.7175**	**25.8875**	**8.7**	**30**
2-Hexanone	**1**	**25.1019**	**24.6674**	**1.7**	**30**
Tetrachloroethene	**1**	**18.4462**	**20.5572**	**11**	**40**
Toluene	**1**	**21.7173**	**25.1438**	**15**	**40**
1,1,1,2-Tetrachloroethane	1	19.6996	21.6814	9.6	30
Chlorobenzene	**1**	**21.6701**	**24.2808**	**11**	**40**

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits

QC Batch: MBS92626

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Butyl acrylate	1	21.4744	24.3003	12	30
n-Amyl acetate	1	18.7153	20.0371	6.8	30
Bromoform	**1**	**19.0005**	**20.9989**	**10**	**30**
Ethylbenzene	**1**	**19.3473**	**23.1434**	**18**	**30**
1,1,2,2-Tetrachloroethane	**1**	**20.1409**	**23.3049**	**15**	**30**
Styrene	**1**	**19.4675**	**22.0428**	**12**	**30**
m&p-Xylenes	**1**	**40.8019**	**47.9198**	**16**	**30**
o-Xylene	**1**	**19.1197**	**21.696**	**13**	**30**
trans-1,4-Dichloro-2-butene	1	19.8773	20.3526	2.4	30
1,3-Dichlorobenzene	**1**	**20.1303**	**22.8515**	**13**	**30**
1,4-Dichlorobenzene	**1**	**20.6072**	**23.3257**	**12**	**40**
1,2-Dichlorobenzene	**1**	**22.0242**	**24.2036**	**9.4**	**40**
Isopropylbenzene	**1**	**19.9009**	**22.535**	**12**	**30**
Cyclohexanone	1	162.9585	169.943	4.2	30
Camphene	1	20.2703	22.7731	12	30
1,2,3-Trichloropropane	1	20.5219	22.5488	9.4	30
2-Chlorotoluene	1	19.1088	22.487	16	30
p-Ethyltoluene	1	20.5393	22.9079	11	30
4-Chlorotoluene	1	21.2294	22.8594	7.4	30
n-Propylbenzene	1	20.717	23.1725	11	40
Bromobenzene	1	21.1622	23.1617	9	30
1,3,5-Trimethylbenzene	1	17.0851	19.6681	14	30
Butyl methacrylate	1	22.2107	24.7388	11	30
t-Butylbenzene	1	20.2247	23.0668	13	30
1,2,4-Trimethylbenzene	1	20.5634	23.4227	13	30
sec-Butylbenzene	1	21.3256	24.1	12	40
4-Isopropyltoluene	1	21.0594	24.1437	14	30
n-Butylbenzene	1	21.635	24.6876	13	30
p-Diethylbenzene	1	21.9153	24.9725	13	30
1,2,4,5-Tetramethylbenzene	1	24.7364	27.6414	11	30
1,2-Dibromo-3-Chloropropane	**1**	**20.1779**	**25.2979**	**23**	**30**
Camphor	1	192.0393	205.5725	6.8	30
Hexachlorobutadiene	1	22.6059	26.5379	16	30
1,2,4-Trichlorobenzene	**1**	**25.936**	**29.3005**	**12**	**30**
1,2,3-Trichlorobenzene	**1**	**33.1522**	**37.8565**	**13**	**30**
Naphthalene	1	33.2941	37.4076	12	30

* - Indicates outside of limits | NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93440

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91472.D	MBS93440	5/20/2021 10:00:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	28.3415	0	20	142	50	150
Dichlorodifluoromethane	1	7.8511	0	20	39*	50	150
Chloromethane	1	11.9257	0	20	60	50	150
Bromomethane	1	18.2182	0	20	91	50	150
Vinyl Chloride	1	13.4858	0	20	67	50	150
Chloroethane	1	39.0285	0	20	195*	50	150
Trichlorofluoromethane	1	18.9876	0	20	95	50	150
Ethyl ether	1	27.2833	0	20	136	50	150
Furan	1	22.8123	0	20	114	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	21.5119	0	20	108	50	150
Methylene Chloride	1	24.707	0	20	124	70	130
Acrolein	1	120.0938	0	100	120	50	150
Acrylonitrile	1	30.6133	0	20	153*	50	150
Iodomethane	1	12.979	0	20	65	50	150
Acetone	1	143.4601	0	100	143	50	150
Carbon Disulfide	1	18.1615	0	20	91	50	150
t-Butyl Alcohol	1	86.0505	0	100	86	50	150
n-Hexane	1	21.2073	0	20	106	70	130
Di-isopropyl-ether	1	27.2519	0	20	136*	70	130
1,1-Dichloroethene	1	20.788	0	20	104	70	130
Methyl Acetate	1	30.9124	0	20	155*	50	150
Methyl-t-butyl ether	1	28.019	0	20	140*	70	130
1,1-Dichloroethane	1	22.9548	0	20	115	70	130
trans-1,2-Dichloroethene	1	22.0791	0	20	110	70	130
Ethyl-t-butyl ether	1	26.6883	0	20	133*	70	130
cis-1,2-Dichloroethene	1	22.9868	0	20	115	70	130
Bromochloromethane	1	25.553	0	20	128	70	130
2,2-Dichloropropane	1	24.408	0	20	122	70	130
Ethyl acetate	1	24.9987	0	20	125	50	150
1,4-Dioxane	1	742.8537	0	1000	74	50	150
1,1-Dichloropropene	1	23.2124	0	20	116	70	130
Chloroform	1	23.8219	0	20	119	70	130
Cyclohexane	1	22.8607	0	20	114	70	130
1,2-Dichloroethane	1	22.6698	0	20	113	70	130
2-Butanone	1	22.92	0	20	115	50	150
1,1,1-Trichloroethane	1	22.0791	0	20	110	70	130
Carbon Tetrachloride	1	19.9986	0	20	100	50	150
Vinyl Acetate	1	23.4398	0	20	117	50	150
Bromodichloromethane	1	24.3819	0	20	122	70	130
Methylcyclohexane	1	22.2216	0	20	111	70	130
Dibromomethane	1	22.7297	0	20	114	70	130
1,2-Dichloropropane	1	24.5983	0	20	123	70	130
Trichloroethene	1	23.134	0	20	116	70	130
Benzene	1	23.2508	0	20	116	70	130
tert-Amyl methyl ether	1	22.7757	0	20	114	70	130
Iso-propylacetate	1	23.8853	0	20	119	70	130
Methyl methacrylate	1	22.5318	0	20	113	70	130
Dibromochloromethane	1	23.0353	0	20	115	70	130
2-Chloroethylvinylether	1	9.1887	0	20	46*	70	130
cis-1,3-Dichloropropene	1	24.67	0	20	123	70	130
trans-1,3-Dichloropropene	1	24.7071	0	20	124	70	130
Ethyl methacrylate	1	24.6209	0	20	123	70	130
1,1,2-Trichloroethane	1	25.6318	0	20	128	70	130
1,2-Dibromoethane	1	25.3936	0	20	127	70	130
1,3-Dichloropropane	1	23.9061	0	20	120	70	130
4-Methyl-2-Pentanone	1	23.6507	0	20	118	50	150
2-Hexanone	1	20.3395	0	20	102	50	150
Tetrachloroethene	1	21.5307	0	20	108	50	150
Toluene	1	23.8728	0	20	119	70	130
1,1,1,2-Tetrachloroethane	1	22.3828	0	20	112	70	130
Chlorobenzene	1	25.0879	0	20	125	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93440

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	22.151	0	20	111	70	130
n-Amyl acetate	1	18.4851	0	20	92	70	130
Bromoform	1	20.5098	0	20	103	70	130
Ethylbenzene	1	20.8942	0	20	104	70	130
1,1,2,2-Tetrachloroethane	1	22.8886	0	20	114	70	130
Styrene	1	20.9527	0	20	105	70	130
m&p-Xylenes	1	46.8494	0	40	117	70	130
o-Xylene	1	20.9347	0	20	105	70	130
trans-1,4-Dichloro-2-butene	1	21.195	0	20	106	50	150
1,3-Dichlorobenzene	1	22.221	0	20	111	70	130
1,4-Dichlorobenzene	1	22.9903	0	20	115	70	130
1,2-Dichlorobenzene	1	23.157	0	20	116	70	130
Isopropylbenzene	1	21.4268	0	20	107	70	130
Cyclohexanone	1	138.6775	0	100	139	50	150
Camphene	1	21.7114	0	20	109	70	130
1,2,3-Trichloropropane	1	21.5543	0	20	108	70	130
2-Chlorotoluene	1	21.6739	0	20	108	70	130
p-Ethyltoluene	1	21.9695	0	20	110	70	130
4-Chlorotoluene	1	21.9699	0	20	110	70	130
n-Propylbenzene	1	22.2954	0	20	111	70	130
Bromobenzene	1	21.8924	0	20	109	70	130
1,3,5-Trimethylbenzene	1	18.5331	0	20	93	70	130
Butyl methacrylate	1	22.8053	0	20	114	70	130
t-Butylbenzene	1	21.9606	0	20	110	70	130
1,2,4-Trimethylbenzene	1	22.3154	0	20	112	70	130
sec-Butylbenzene	1	22.6847	0	20	113	70	130
4-Isopropyltoluene	1	22.3675	0	20	112	70	130
n-Butylbenzene	1	22.6131	0	20	113	70	130
p-Diethylbenzene	1	22.6306	0	20	113	70	130
1,2,4,5-Tetramethylbenzene	1	24.5223	0	20	123	70	130
1,2-Dibromo-3-Chloropropane	1	21.1461	0	20	106	50	150
Camphor	1	143.9041	0	200	72	20	150
Hexachlorobutadiene	1	23.7308	0	20	119	50	150
1,2,4-Trichlorobenzene	1	25.3361	0	20	127	70	130
1,2,3-Trichlorobenzene	1	29.9677	0	20	150*	70	130
Naphthalene	1	29.451	0	20	147	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93440

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91474.D	AD23491-001(MS)	5/20/2021 10:43:00 PM
Non Spike(If applicable):	11M91476.D	AD23491-001	5/20/2021 11:25:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	21.32	0	20	107	50	150
Dichlorodifluoromethane	1	6.6324	0	20	33*	50	150
Chloromethane	1	10.4853	0	20	52	50	150
Bromomethane	1	8.3245	0	20	42*	50	150
Vinyl Chloride	1	11.0038	0	20	55	50	150
Chloroethane	1	29.9455	0	20	150	50	150
Trichlorofluoromethane	1	21.113	0	20	106	50	150
Ethyl ether	1	23.6205	0	20	118	50	150
Furan	1	21.7236	0	20	109	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	18.832	0	20	94	50	150
Methylene Chloride	1	21.4488	0	20	107	70	130
Acrolein	1	96.9726	0	100	97	50	150
Acrylonitrile	1	24.7391	0	20	124	50	150
Iodomethane	1	12.3449	0	20	62	50	150
Acetone	1	109.1511	0	100	109	50	150
Carbon Disulfide	1	15.8643	0	20	79	50	150
t-Butyl Alcohol	1	47.7261	0	100	48*	50	150
n-Hexane	1	23.5471	0	20	118	70	130
Di-isopropyl-ether	1	23.5607	0	20	118	70	130
1,1-Dichloroethene	1	17.4624	0	20	87	70	130
Methyl Acetate	1	27.2493	2.5433	20	124	50	150
Methyl-t-butyl ether	1	22.5565	0	20	113	70	130
1,1-Dichloroethane	1	19.9478	0	20	100	70	130
trans-1,2-Dichloroethene	1	18.7587	0	20	94	70	130
Ethyl-t-butyl ether	1	21.9427	0	20	110	70	130
cis-1,2-Dichloroethene	1	20.3336	0	20	102	70	130
Bromochloromethane	1	20.5472	0	20	103	70	130
2,2-Dichloropropane	1	20.4449	0	20	102	70	130
Ethyl acetate	1	20.132	0	20	101	50	150
1,4-Dioxane	1	643.1464	73.958	1000	57	50	150
1,1-Dichloropropene	1	19.2382	0	20	96	70	130
Chloroform	1	20.3327	0	20	102	70	130
Cyclohexane	1	20.6364	0	20	103	70	130
1,2-Dichloroethane	1	19.4109	0	20	97	70	130
2-Butanone	1	21.8965	0	20	109	50	150
1,1,1-Trichloroethane	1	18.8966	0	20	94	70	130
Carbon Tetrachloride	1	17.5742	0	20	88	50	150
Vinyl Acetate	1	19.3886	0	20	97	50	150
Bromodichloromethane	1	19.5883	0	20	98	70	130
Methylcyclohexane	1	31.6056	7.9285	20	118	70	130
Dibromomethane	1	19.4009	0	20	97	70	130
1,2-Dichloropropane	1	21.0883	0	20	105	70	130
Trichloroethene	1	19.4329	0	20	97	70	130
Benzene	1	19.3517	0	20	97	70	130
tert-Amyl methyl ether	1	19.2247	0	20	96	70	130
Iso-propylacetate	1	18.9432	0	20	95	70	130
Methyl methacrylate	1	18.9343	0	20	95	70	130
Dibromochloromethane	1	18.5476	0	20	93	70	130
2-Chloroethylvinylether	1	7.357	0	20	37*	70	130
cis-1,3-Dichloropropene	1	21.3604	0	20	107	70	130
trans-1,3-Dichloropropene	1	20.7017	0	20	104	70	130
Ethyl methacrylate	1	20.746	0	20	104	70	130
1,1,2-Trichloroethane	1	33.5272	0	20	168*	70	130
1,2-Dibromoethane	1	20.5562	0	20	103	70	130
1,3-Dichloropropane	1	21.0939	0	20	105	70	130
4-Methyl-2-Pentanone	1	17.3835	1.303	20	80	50	150
2-Hexanone	1	12.4697	0	20	62	50	150
Tetrachloroethene	1	17.5914	0	20	88	60	150
Toluene	1	20.741	0	20	104	70	130
1,1,1,2-Tetrachloroethane	1	18.5975	0	20	93	70	130
Chlorobenzene	1	21.1931	0	20	106	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93440

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	18.6126	0	20	93	70	130
n-Amyl acetate	1	19.9301	7.5376	20	62*	70	130
Bromoform	**1**	**15.4697**	**0**	**20**	**77**	**70**	**130**
Ethylbenzene	**1**	**16.5585**	**0**	**20**	**83**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**20.0127**	**1.0294**	**20**	**95**	**70**	**130**
Styrene	**1**	**17.6487**	**0**	**20**	**88**	**70**	**130**
m&p-Xylenes	**1**	**40.0768**	**0**	**40**	**100**	**70**	**130**
o-Xylene	**1**	**17.9111**	**0**	**20**	**90**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	24.4205	1.2717	20	116	50	150
1,3-Dichlorobenzene	**1**	**19.324**	**0**	**20**	**97**	**70**	**130**
1,4-Dichlorobenzene	**1**	**20.5753**	**0**	**20**	**103**	**70**	**130**
1,2-Dichlorobenzene	**1**	**23.3496**	**0**	**20**	**117**	**70**	**130**
Isopropylbenzene	**1**	**19.4138**	**0**	**20**	**97**	**70**	**130**
Cyclohexanone	1	272.8282	175.6524	100	97	50	150
Camphene	1	25.7802	0	20	129	70	130
1,2,3-Trichloropropane	1	16.7964	0	20	84	70	130
2-Chlorotoluene	1	18.6291	0	20	93	70	130
p-Ethyltoluene	1	26.0307	6.2168	20	99	70	130
4-Chlorotoluene	1	19.0245	0	20	95	70	130
n-Propylbenzene	1	20.6655	1.1368	20	98	70	130
Bromobenzene	1	20.3334	1.3003	20	95	70	130
1,3,5-Trimethylbenzene	1	21.4425	4.9051	20	83	70	130
Butyl methacrylate	1	46.3867	0	20	232*	70	130
t-Butylbenzene	1	21.7961	0	20	109	70	130
1,2,4-Trimethylbenzene	1	27.1673	7.0773	20	100	70	130
sec-Butylbenzene	1	26.3045	2.7769	20	118	70	130
4-Isopropyltoluene	1	26.4741	3.1481	20	117	70	130
n-Butylbenzene	1	37.1794	0	20	186*	70	130
p-Diethylbenzene	1	74.217	3.9501	20	351*	70	130
1,2,4,5-Tetramethylbenzene	1	69.2725	30.1681	20	196*	70	130
1,2-Dibromo-3-Chloropropane	**1**	**25.7772**	**0**	**20**	**129**	**50**	**150**
Camphor	1	717.7437	350.8277	200	183*	20	150
Hexachlorobutadiene	1	250.9455	8.6477	20	1210*	50	150
1,2,4-Trichlorobenzene	**1**	**152.4939**	**0**	**20**	**762***	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**221.7435**	**0**	**20**	**1110***	**70**	**130**
Naphthalene	1	171.7774	10.1567	20	808*	50	150

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Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93440

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91475.D	AD23491-001(MSD)	5/20/2021 11:04:00 PM
Non Spike(If applicable):	11M91476.D	AD23491-001	5/20/2021 11:25:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	30.5793	0	20	153*	50	150
Dichlorodifluoromethane	1	7.9199	0	20	40*	50	150
Chloromethane	1	11.4725	0	20	57	50	150
Bromomethane	1	8.3645	0	20	42*	50	150
Vinyl Chloride	1	12.4313	0	20	62	50	150
Chloroethane	1	31.4841	0	20	157*	50	150
Trichlorofluoromethane	1	22.0459	0	20	110	50	150
Ethyl ether	1	24.4897	0	20	122	50	150
Furan	1	23.3745	0	20	117	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	19.4189	0	20	97	50	150
Methylene Chloride	1	22.6433	0	20	113	70	130
Acrolein	1	107.8596	0	100	108	50	150
Acrylonitrile	1	27.6988	0	20	138	50	150
Iodomethane	1	14.161	0	20	71	50	150
Acetone	1	127.7332	0	100	128	50	150
Carbon Disulfide	1	16.3801	0	20	82	50	150
t-Butyl Alcohol	1	76.4057	0	100	76	50	150
n-Hexane	1	25.5097	0	20	128	70	130
Di-isopropyl-ether	1	26.1946	0	20	131*	70	130
1,1-Dichloroethene	1	18.8553	0	20	94	70	130
Methyl Acetate	1	29.4743	2.5433	20	135	50	150
Methyl-t-butyl ether	1	25.4504	0	20	127	70	130
1,1-Dichloroethane	1	21.9335	0	20	110	70	130
trans-1,2-Dichloroethene	1	20.2115	0	20	101	70	130
Ethyl-t-butyl ether	1	24.997	0	20	125	70	130
cis-1,2-Dichloroethene	1	21.8709	0	20	109	70	130
Bromochloromethane	1	22.1232	0	20	111	70	130
2,2-Dichloropropane	1	21.9734	0	20	110	70	130
Ethyl acetate	1	21.8662	0	20	109	50	150
1,4-Dioxane	1	699.3505	73.958	1000	63	50	150
1,1-Dichloropropene	1	19.6215	0	20	98	70	130
Chloroform	1	19.7456	0	20	99	70	130
Cyclohexane	1	21.529	0	20	108	70	130
1,2-Dichloroethane	1	20.8925	0	20	104	70	130
2-Butanone	1	20.0787	0	20	100	50	150
1,1,1-Trichloroethane	1	18.652	0	20	93	70	130
Carbon Tetrachloride	1	17.4247	0	20	87	50	150
Vinyl Acetate	1	21.6682	0	20	108	50	150
Bromodichloromethane	1	21.2883	0	20	106	70	130
Methylcyclohexane	1	33.5061	7.9285	20	128	70	130
Dibromomethane	1	19.069	0	20	95	70	130
1,2-Dichloropropane	1	22.7973	0	20	114	70	130
Trichloroethene	1	20.0823	0	20	100	70	130
Benzene	1	21.413	0	20	107	70	130
tert-Amyl methyl ether	1	21.3617	0	20	107	70	130
Iso-propylacetate	1	20.1879	0	20	101	70	130
Methyl methacrylate	1	19.2233	0	20	96	70	130
Dibromochloromethane	1	18.0429	0	20	90	70	130
2-Chloroethylvinylether	1	7.7376	0	20	39*	70	130
cis-1,3-Dichloropropene	1	20.9427	0	20	105	70	130
trans-1,3-Dichloropropene	1	20.4761	0	20	102	70	130
Ethyl methacrylate	1	23.2551	0	20	116	70	130
1,1,2-Trichloroethane	1	33.9271	0	20	170*	70	130
1,2-Dibromoethane	1	21.5066	0	20	108	70	130
1,3-Dichloropropane	1	20.0613	0	20	100	70	130
4-Methyl-2-Pentanone	1	19.0114	1.303	20	89	50	150
2-Hexanone	1	15.9098	0	20	80	50	150
Tetrachloroethene	1	18.5555	0	20	93	50	150
Toluene	1	20.4983	0	20	102	70	130
1,1,1,2-Tetrachloroethane	1	18.7162	0	20	94	70	130
Chlorobenzene	1	20.3645	0	20	102	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93440

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	18.4109	0	20	92	70	130
n-Amyl acetate	1	19.7665	7.5376	20	61*	70	130
Bromoform	1	15.6775	0	20	78	70	130
Ethylbenzene	1	16.4946	0	20	82	70	130
1,1,2,2-Tetrachloroethane	1	20.1107	1.0294	20	95	70	130
Styrene	1	16.5783	0	20	83	70	130
m&p-Xylenes	1	35.05	0	40	88	70	130
o-Xylene	1	16.1972	0	20	81	70	130
trans-1,4-Dichloro-2-butene	1	21.4886	1.2717	20	101	50	150
1,3-Dichlorobenzene	1	19.5664	0	20	98	70	130
1,4-Dichlorobenzene	1	20.1713	0	20	101	70	130
1,2-Dichlorobenzene	1	29.035	0	20	145*	70	130
Isopropylbenzene	1	18.2573	0	20	91	70	130
Cyclohexanone	1	257.858	175.6524	100	82	50	150
Camphene	1	25.0898	0	20	125	70	130
1,2,3-Trichloropropane	1	16.6451	0	20	83	70	130
2-Chlorotoluene	1	17.9912	0	20	90	70	130
p-Ethyltoluene	1	25.3329	6.2168	20	96	70	130
4-Chlorotoluene	1	18.6729	0	20	93	70	130
n-Propylbenzene	1	19.8324	1.1368	20	93	70	130
Bromobenzene	1	14.6496	1.3003	20	67*	70	130
1,3,5-Trimethylbenzene	1	20.7872	4.9051	20	79	70	130
Butyl methacrylate	1	49.1881	0	20	246*	70	130
t-Butylbenzene	1	21.4998	0	20	107	70	130
1,2,4-Trimethylbenzene	1	26.2973	7.0773	20	96	70	130
sec-Butylbenzene	1	25.2469	2.7769	20	112	70	130
4-Isopropyltoluene	1	26.9739	3.1481	20	119	70	130
n-Butylbenzene	1	38.5149	0	20	193*	70	130
p-Diethylbenzene	1	73.7542	3.9501	20	349*	70	130
1,2,4,5-Tetramethylbenzene	1	102.6998	30.1681	20	363*	70	130
1,2-Dibromo-3-Chloropropane	1	39.1857	0	20	196*	50	150
Camphor	1	886.5009	350.8277	200	268*	20	150
Hexachlorobutadiene	1	194.4728	8.6477	20	929*	50	150
1,2,4-Trichlorobenzene	1	154.3962	0	20	772*	70	130
1,2,3-Trichlorobenzene	1	134.7965	0	20	674*	70	130
Naphthalene	1	135.9067	10.1567	20	629*	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS93440

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91475.D	AD23491-001(MSD)	5/20/2021 11:04:00 PM
Duplicate(If applicable):	11M91474.D	AD23491-001(MS)	5/20/2021 10:43:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	30.5793	21.32	36*	30
Dichlorodifluoromethane	1	7.9199	6.6324	18	30
Chloromethane	1	11.4725	10.4853	9	30
Bromomethane	1	8.3645	8.3245	0.48	30
Vinyl Chloride	1	12.4313	11.0038	12	40
Chloroethane	1	31.4841	29.9455	5	30
Trichlorofluoromethane	1	22.0459	21.113	4.3	30
Ethyl ether	1	24.4897	23.6205	3.6	30
Furan	1	23.3745	21.7236	7.3	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1	19.4189	18.832	3.1	30
Methylene Chloride	1	22.6433	21.4488	5.4	30
Acrolein	1	107.8596	96.9726	11	30
Acrylonitrile	1	27.6988	24.7391	11	30
Iodomethane	1	14.161	12.3449	14	30
Acetone	1	127.7332	109.1511	16	30
Carbon Disulfide	1	16.3801	15.8643	3.2	30
t-Butyl Alcohol	1	76.4057	47.7261	46*	30
n-Hexane	1	25.5097	23.5471	8	30
Di-isopropyl-ether	1	26.1946	23.5607	11	30
1,1-Dichloroethene	1	18.8553	17.4624	7.7	40
Methyl Acetate	1	29.4743	27.2493	7.8	30
Methyl-t-butyl ether	1	25.4504	22.5565	12	30
1,1-Dichloroethane	1	21.9335	19.9478	9.5	40
trans-1,2-Dichloroethene	1	20.2115	18.7587	7.5	30
Ethyl-t-butyl ether	1	24.997	21.9427	13	30
cis-1,2-Dichloroethene	1	21.8709	20.3336	7.3	30
Bromochloromethane	1	22.1232	20.5472	7.4	30
2,2-Dichloropropane	1	21.9734	20.4449	7.2	30
Ethyl acetate	1	21.8662	20.132	8.3	20
1,4-Dioxane	1	699.3505	643.1464	8.4	30
1,1-Dichloropropene	1	19.6215	19.2382	2	30
Chloroform	1	19.7456	20.3327	2.9	40
Cyclohexane	1	21.529	20.6364	4.2	30
1,2-Dichloroethane	1	20.8925	19.4109	7.4	40
2-Butanone	1	20.0787	21.8965	8.7	40
1,1,1-Trichloroethane	1	18.652	18.8966	1.3	30
Carbon Tetrachloride	1	17.4247	17.5742	0.85	40
Vinyl Acetate	1	21.6682	19.3886	11	30
Bromodichloromethane	1	21.2883	19.5883	8.3	30
Methylcyclohexane	1	33.5061	31.6056	5.8	30
Dibromomethane	1	19.069	19.4009	1.7	30
1,2-Dichloropropane	1	22.7973	21.0883	7.8	30
Trichloroethene	1	20.0823	19.4329	3.3	40
Benzene	1	21.413	19.3517	10	40
tert-Amyl methyl ether	1	21.3617	19.2247	11	30
Iso-propylacetate	1	20.1879	18.9432	6.4	30
Methyl methacrylate	1	19.2233	18.9343	1.5	30
Dibromochloromethane	1	18.0429	18.5476	2.8	30
2-Chloroethylvinylether	1	7.7376	7.357	5	30
cis-1,3-Dichloropropene	1	20.9427	21.3604	2	30
trans-1,3-Dichloropropene	1	20.4761	20.7017	1.1	30
Ethyl methacrylate	1	23.2551	20.746	11	30
1,1,2-Trichloroethane	1	33.9271	33.5272	1.2	30
1,2-Dibromoethane	1	21.5066	20.5562	4.5	30
1,3-Dichloropropane	1	20.0613	21.0939	5	30
4-Methyl-2-Pentanone	1	19.0114	17.3835	8.9	30
2-Hexanone	1	15.9098	12.4697	24	30
Tetrachloroethene	1	18.5555	17.5914	5.3	40
Toluene	1	20.4983	20.741	1.2	40
1,1,1,2-Tetrachloroethane	1	18.7162	18.5975	0.64	30
Chlorobenzene	1	20.3645	21.1931	4	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits

QC Batch: MBS93440

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Butyl acrylate	1	18.4109	18.6126	1.1	30
n-Amyl acetate	1	19.7665	19.9301	0.82	30
Bromoform	**1**	**15.6775**	**15.4697**	**1.3**	**30**
Ethylbenzene	**1**	**16.4946**	**16.5585**	**0.39**	**30**
1,1,2,2-Tetrachloroethane	**1**	**20.1107**	**20.0127**	**0.49**	**30**
Styrene	**1**	**16.5783**	**17.6487**	**6.3**	**30**
m&p-Xylenes	**1**	**35.05**	**40.0768**	**13**	**30**
o-Xylene	**1**	**16.1972**	**17.9111**	**10**	**30**
trans-1,4-Dichloro-2-butene	1	21.4886	24.4205	13	30
1,3-Dichlorobenzene	**1**	**19.5664**	**19.324**	**1.2**	**30**
1,4-Dichlorobenzene	**1**	**20.1713**	**20.5753**	**2**	**40**
1,2-Dichlorobenzene	**1**	**29.035**	**23.3496**	**22**	**40**
Isopropylbenzene	**1**	**18.2573**	**19.4138**	**6.1**	**30**
Cyclohexanone	1	257.858	272.8282	5.6	30
Camphene	1	25.0898	25.7802	2.7	30
1,2,3-Trichloropropane	1	16.6451	16.7964	0.9	30
2-Chlorotoluene	1	17.9912	18.6291	3.5	30
p-Ethyltoluene	1	25.3329	26.0307	2.7	30
4-Chlorotoluene	1	18.6729	19.0245	1.9	30
n-Propylbenzene	1	19.8324	20.6655	4.1	40
Bromobenzene	1	14.6496	20.3334	32*	30
1,3,5-Trimethylbenzene	1	20.7872	21.4425	3.1	30
Butyl methacrylate	1	49.1881	46.3867	5.9	30
t-Butylbenzene	1	21.4998	21.7961	1.4	30
1,2,4-Trimethylbenzene	1	26.2973	27.1673	3.3	30
sec-Butylbenzene	1	25.2469	26.3045	4.1	40
4-Isopropyltoluene	1	26.9739	26.4741	1.9	30
n-Butylbenzene	1	38.5149	37.1794	3.5	30
p-Diethylbenzene	1	73.7542	74.217	0.63	30
1,2,4,5-Tetramethylbenzene	1	102.6998	69.2725	39*	30
1,2-Dibromo-3-Chloropropane	**1**	**39.1857**	**25.7772**	**41***	**30**
Camphor	1	886.5009	717.7437	21	30
Hexachlorobutadiene	1	194.4728	250.9455	25	30
1,2,4-Trichlorobenzene	**1**	**154.3962**	**152.4939**	**1.2**	**30**
1,2,3-Trichlorobenzene	**1**	**134.7965**	**221.7435**	**49***	**30**
Naphthalene	1	135.9067	171.7774	23	30

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93449

Data File	Sample ID:	Analysis Date
Spike or Dup: 11M91519.D	MBS93449	5/21/2021 3:28:00 PM
Non Spike(If applicable):		
Inst Blank(If applicable):		

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	19.0391	0	20	95	50	150
Dichlorodifluoromethane	1	8.0304	0	20	40*	50	150
Chloromethane	1	11.5563	0	20	58	50	150
Bromomethane	1	19.7857	0	20	99	50	150
Vinyl Chloride	1	12.0281	0	20	60	50	150
Chloroethane	1	21.5077	0	20	108	50	150
Trichlorofluoromethane	1	15.7827	0	20	79	50	150
Ethyl ether	1	20.9875	0	20	105	50	150
Furan	1	19.5887	0	20	98	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	17.8814	0	20	89	50	150
Methylene Chloride	1	18.8735	0	20	94	70	130
Acrolein	1	110.1954	0	100	110	50	150
Acrylonitrile	1	27.6031	0	20	138	50	150
Iodomethane	1	14.5982	0	20	73	50	150
Acetone	1	142.3011	0	100	142	50	150
Carbon Disulfide	1	14.0502	0	20	70	50	150
t-Butyl Alcohol	1	72.7773	0	100	73	50	150
n-Hexane	1	19.2765	0	20	96	70	130
Di-isopropyl-ether	1	23.2191	0	20	116	70	130
1,1-Dichloroethene	1	16.245	0	20	81	70	130
Methyl Acetate	1	27.3052	0	20	137	50	150
Methyl-t-butyl ether	1	24.2052	0	20	121	70	130
1,1-Dichloroethane	1	17.8129	0	20	89	70	130
trans-1,2-Dichloroethene	1	17.6732	0	20	88	70	130
Ethyl-t-butyl ether	1	19.7645	0	20	99	70	130
cis-1,2-Dichloroethene	1	17.5776	0	20	88	70	130
Bromochloromethane	1	19.1035	0	20	96	70	130
2,2-Dichloropropane	1	18.6176	0	20	93	70	130
Ethyl acetate	1	20.6952	0	20	103	50	150
1,4-Dioxane	1	843.5797	0	1000	84	50	150
1,1-Dichloropropene	1	16.9768	0	20	85	70	130
Chloroform	1	18.102	0	20	91	70	130
Cyclohexane	1	18.2108	0	20	91	70	130
1,2-Dichloroethane	1	16.9849	0	20	85	70	130
2-Butanone	1	16.9036	0	20	85	50	150
1,1,1-Trichloroethane	1	16.9178	0	20	85	70	130
Carbon Tetrachloride	1	15.0386	0	20	75	50	150
Vinyl Acetate	1	19.1473	0	20	96	50	150
Bromodichloromethane	1	18.2649	0	20	91	70	130
Methylcyclohexane	1	17.9832	0	20	90	70	130
Dibromomethane	1	17.6239	0	20	88	70	130
1,2-Dichloropropane	1	18.7417	0	20	94	70	130
Trichloroethene	1	16.9279	0	20	85	70	130
Benzene	1	17.5773	0	20	88	70	130
tert-Amyl methyl ether	1	19.5582	0	20	98	70	130
Iso-propylacetate	1	18.3024	0	20	92	70	130
Methyl methacrylate	1	19.073	0	20	95	70	130
Dibromochloromethane	1	17.2357	0	20	86	70	130
2-Chloroethylvinylether	1	5.6423	0	20	28*	70	130
cis-1,3-Dichloropropene	1	19.593	0	20	98	70	130
trans-1,3-Dichloropropene	1	19.2076	0	20	96	70	130
Ethyl methacrylate	1	18.8679	0	20	94	70	130
1,1,2-Trichloroethane	1	19.6978	0	20	98	70	130
1,2-Dibromoethane	1	19.4862	0	20	97	70	130
1,3-Dichloropropane	1	18.4991	0	20	92	70	130
4-Methyl-2-Pentanone	1	18.9725	0	20	95	50	150
2-Hexanone	1	19.8761	0	20	99	50	150
Tetrachloroethene	1	16.0339	0	20	80	50	150
Toluene	1	18.4648	0	20	92	70	130
1,1,1,2-Tetrachloroethane	1	17.0222	0	20	85	70	130
Chlorobenzene	1	18.4442	0	20	92	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93449

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	18.2327	0	20	91	70	130
n-Amyl acetate	1	15.1558	0	20	76	70	130
Bromoform	1	15.8025	0	20	79	70	130
Ethylbenzene	1	16.1073	0	20	81	70	130
1,1,2,2-Tetrachloroethane	1	19.4088	0	20	97	70	130
Styrene	1	16.5843	0	20	83	70	130
m&p-Xylenes	1	36.8878	0	40	92	70	130
o-Xylene	1	16.4803	0	20	82	70	130
trans-1,4-Dichloro-2-butene	1	18.2145	0	20	91	50	150
1,3-Dichlorobenzene	1	16.794	0	20	84	70	130
1,4-Dichlorobenzene	1	17.4417	0	20	87	70	130
1,2-Dichlorobenzene	1	17.8785	0	20	89	70	130
Isopropylbenzene	1	17.1016	0	20	86	70	130
Cyclohexanone	1	134.4186	0	100	134	50	150
Camphene	1	15.9756	0	20	80	70	130
1,2,3-Trichloropropane	1	18.3114	0	20	92	70	130
2-Chlorotoluene	1	15.8186	0	20	79	70	130
p-Ethyltoluene	1	16.8139	0	20	84	70	130
4-Chlorotoluene	1	17.6584	0	20	88	70	130
n-Propylbenzene	1	17.3544	0	20	87	70	130
Bromobenzene	1	17.8344	0	20	89	70	130
1,3,5-Trimethylbenzene	1	14.3511	0	20	72	70	130
Butyl methacrylate	1	17.8989	0	20	89	70	130
t-Butylbenzene	1	16.7318	0	20	84	70	130
1,2,4-Trimethylbenzene	1	16.6849	0	20	83	70	130
sec-Butylbenzene	1	17.2138	0	20	86	70	130
4-Isopropyltoluene	1	17.791	0	20	89	70	130
n-Butylbenzene	1	17.6293	0	20	88	70	130
p-Diethylbenzene	1	17.7561	0	20	89	70	130
1,2,4,5-Tetramethylbenzene	1	19.4735	0	20	97	70	130
1,2-Dibromo-3-Chloropropane	1	18.5664	0	20	93	50	150
Camphor	1	171.9039	0	200	86	20	150
Hexachlorobutadiene	1	19.8186	0	20	99	50	150
1,2,4-Trichlorobenzene	1	21.1464	0	20	106	70	130
1,2,3-Trichlorobenzene	1	27.0588	0	20	135*	70	130
Naphthalene	1	26.8546	0	20	134	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93449

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91527.D	AD23438-009(MS)	5/21/2021 6:20:00 PM
Non Spike(If applicable):	11M91511.D	AD23438-009	5/21/2021 12:31:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	26.2968	0	20	131	50	150
Dichlorodifluoromethane	1	11.7125	0	20	59	50	150
Chloromethane	1	17.3847	0	20	87	50	150
Bromomethane	1	20.0152	1.5736	20	92	50	150
Vinyl Chloride	1	18.6038	0	20	93	50	150
Chloroethane	1	25.2107	0	20	126	50	150
Trichlorofluoromethane	1	22.1449	0	20	111	50	150
Ethyl ether	1	27.2978	0	20	136	50	150
Furan	1	22.8318	0	20	114	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	25.2244	0	20	126	50	150
Methylene Chloride	1	25.2493	0	20	126	70	130
Acrolein	1	127.9132	0	100	128	50	150
Acrylonitrile	1	35.6414	0	20	178*	50	150
Iodomethane	1	16.4814	0	20	82	50	150
Acetone	1	165.7924	0	100	166*	50	150
Carbon Disulfide	1	20.2553	0	20	101	50	150
t-Butyl Alcohol	1	77.4246	5.3832	100	72	50	150
n-Hexane	1	25.4487	0	20	127	70	130
Di-isopropyl-ether	1	31.1185	0	20	156*	70	130
1,1-Dichloroethene	1	22.8349	0	20	114	70	130
Methyl Acetate	1	38.2228	1.3963	20	184*	50	150
Methyl-t-butyl ether	1	32.2808	0	20	161*	70	130
1,1-Dichloroethane	1	24.1321	0	20	121	70	130
trans-1,2-Dichloroethene	1	23.873	0	20	119	70	130
Ethyl-t-butyl ether	1	26.7554	0	20	134*	70	130
cis-1,2-Dichloroethene	1	24.7832	0	20	124	70	130
Bromochloromethane	1	26.3929	0	20	132*	70	130
2,2-Dichloropropane	1	23.7328	0	20	119	70	130
Ethyl acetate	1	26.4911	0	20	132	50	150
1,4-Dioxane	1	586.5902	0	1000	59	50	150
1,1-Dichloropropene	1	23.8816	0	20	119	70	130
Chloroform	1	24.8355	0	20	124	70	130
Cyclohexane	1	26.7121	0	20	134*	70	130
1,2-Dichloroethane	1	24.4226	1.377	20	115	70	130
2-Butanone	1	22.7931	0	20	114	50	150
1,1,1-Trichloroethane	1	23.9102	0	20	120	70	130
Carbon Tetrachloride	1	21.9572	0	20	110	50	150
Vinyl Acetate	1	20.026	0	20	100	50	150
Bromodichloromethane	1	25.0623	0	20	125	70	130
Methylcyclohexane	1	25.0503	0	20	125	70	130
Dibromomethane	1	24.411	0	20	122	70	130
1,2-Dichloropropane	1	26.4711	0	20	132*	70	130
Trichloroethene	1	24.9192	0	20	125	70	130
Benzene	1	24.9003	0	20	125	70	130
tert-Amyl methyl ether	1	25.1063	0	20	126	70	130
Iso-propylacetate	1	23.9704	0	20	120	70	130
Methyl methacrylate	1	22.411	0	20	112	70	130
Dibromochloromethane	1	23.2974	0	20	116	70	130
2-Chloroethylvinylether	1	5.9661	0	20	30*	70	130
cis-1,3-Dichloropropene	1	25.0514	0	20	125	70	130
trans-1,3-Dichloropropene	1	24.3358	1.3452	20	115	70	130
Ethyl methacrylate	1	22.5348	0	20	113	70	130
1,1,2-Trichloroethane	1	24.8777	0	20	124	70	130
1,2-Dibromoethane	1	25.2042	0	20	126	70	130
1,3-Dichloropropane	1	24.798	0	20	124	70	130
4-Methyl-2-Pentanone	1	23.872	0	20	119	50	150
2-Hexanone	1	20.9985	0	20	105	50	150
Tetrachloroethene	1	21.8533	0	20	109	50	150
Toluene	1	26.0243	0	20	130	70	130
1,1,1,2-Tetrachloroethane	1	22.4355	0	20	112	70	130
Chlorobenzene	1	24.7686	0	20	124	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93449

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	26.1459	0	20	131*	70	130
n-Amyl acetate	1	20.999	0	20	105	70	130
Bromoform	1	24.3744	0	20	122	70	130
Ethylbenzene	1	24.9536	0	20	125	70	130
1,1,2,2-Tetrachloroethane	1	26.5762	0	20	133*	70	130
Styrene	1	24.6453	0	20	123	70	130
m&p-Xylenes	1	53.7639	0	40	134*	70	130
o-Xylene	1	25.4298	0	20	127	70	130
trans-1,4-Dichloro-2-butene	1	23.6702	0	20	118	50	150
1,3-Dichlorobenzene	1	22.8157	0	20	114	70	130
1,4-Dichlorobenzene	1	24.1103	0	20	121	70	130
1,2-Dichlorobenzene	1	24.3934	0	20	122	70	130
Isopropylbenzene	1	25.4225	0	20	127	70	130
Cyclohexanone	1	122.8454	0	100	123	50	150
Camphene	1	24.4557	0	20	122	70	130
1,2,3-Trichloropropane	1	24.6067	0	20	123	70	130
2-Chlorotoluene	1	24.3377	0	20	122	70	130
p-Ethyltoluene	1	26.0166	0	20	130	70	130
4-Chlorotoluene	1	24.5645	0	20	123	70	130
n-Propylbenzene	1	26.1846	0	20	131*	70	130
Bromobenzene	1	26.1338	0	20	131*	70	130
1,3,5-Trimethylbenzene	1	22.3736	0	20	112	70	130
Butyl methacrylate	1	25.2298	0	20	126	70	130
t-Butylbenzene	1	24.0902	0	20	120	70	130
1,2,4-Trimethylbenzene	1	23.9266	0	20	120	70	130
sec-Butylbenzene	1	23.9805	0	20	120	70	130
4-Isopropyltoluene	1	23.9915	0	20	120	70	130
n-Butylbenzene	1	25.0875	0	20	125	70	130
p-Diethylbenzene	1	24.3584	0	20	122	70	130
1,2,4,5-Tetramethylbenzene	1	22.6938	0	20	113	70	130
1,2-Dibromo-3-Chloropropane	1	20.7211	0	20	104	50	150
Camphor	1	164.752	0	200	82	20	150
Hexachlorobutadiene	1	26.2747	0	20	131	50	150
1,2,4-Trichlorobenzene	1	27.5345	0	20	138*	70	130
1,2,3-Trichlorobenzene	1	33.0106	0	20	165*	70	130
Naphthalene	1	32.7872	0	20	164*	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93449

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91528.D	AD23438-009(MSD)	5/21/2021 6:41:00 PM
Non Spike(If applicable):	11M91511.D	AD23438-009	5/21/2021 12:31:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	26.6055	0	20	133	50	150
Dichlorodifluoromethane	1	11.6206	0	20	58	50	150
Chloromethane	1	17.6623	0	20	88	50	150
Bromomethane	1	26.1262	1.5736	20	123	50	150
Vinyl Chloride	1	19.2288	0	20	96	50	150
Chloroethane	1	32.4423	0	20	162*	50	150
Trichlorofluoromethane	1	22.6866	0	20	113	50	150
Ethyl ether	1	28.301	0	20	142	50	150
Furan	1	24.6937	0	20	123	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	25.551	0	20	128	50	150
Methylene Chloride	1	27.0958	0	20	135*	70	130
Acrolein	1	142.3215	0	100	142	50	150
Acrylonitrile	1	37.5225	0	20	188*	50	150
Iodomethane	1	19.2422	0	20	96	50	150
Acetone	1	190.4968	0	100	190*	50	150
Carbon Disulfide	1	20.7353	0	20	104	50	150
t-Butyl Alcohol	1	91.5091	5.3832	100	86	50	150
n-Hexane	1	27.9956	0	20	140*	70	130
Di-isopropyl-ether	1	32.1335	0	20	161*	70	130
1,1-Dichloroethene	1	23.568	0	20	118	70	130
Methyl Acetate	1	41.2185	1.3963	20	199*	50	150
Methyl-t-butyl ether	1	34.6628	0	20	173*	70	130
1,1-Dichloroethane	1	24.782	0	20	124	70	130
trans-1,2-Dichloroethene	1	24.719	0	20	124	70	130
Ethyl-t-butyl ether	1	27.2212	0	20	136*	70	130
cis-1,2-Dichloroethene	1	25.8352	0	20	129	70	130
Bromochloromethane	1	27.4104	0	20	137*	70	130
2,2-Dichloropropane	1	24.4298	0	20	122	70	130
Ethyl acetate	1	27.8794	0	20	139	50	150
1,4-Dioxane	1	940.946	0	1000	94	50	150
1,1-Dichloropropene	1	24.7617	0	20	124	70	130
Chloroform	1	25.6231	0	20	128	70	130
Cyclohexane	1	27.8829	0	20	139*	70	130
1,2-Dichloroethane	1	23.764	1.377	20	112	70	130
2-Butanone	1	25.4477	0	20	127	50	150
1,1,1-Trichloroethane	1	24.967	0	20	125	70	130
Carbon Tetrachloride	1	22.806	0	20	114	50	150
Vinyl Acetate	1	20.3034	0	20	102	50	150
Bromodichloromethane	1	26.19	0	20	131*	70	130
Methylcyclohexane	1	26.327	0	20	132*	70	130
Dibromomethane	1	25.6954	0	20	128	70	130
1,2-Dichloropropane	1	27.394	0	20	137*	70	130
Trichloroethene	1	25.7623	0	20	129	70	130
Benzene	1	25.3019	0	20	127	70	130
tert-Amyl methyl ether	1	25.841	0	20	129	70	130
Iso-propylacetate	1	25.2469	0	20	126	70	130
Methyl methacrylate	1	22.5315	0	20	113	70	130
Dibromochloromethane	1	23.7418	0	20	119	70	130
2-Chloroethylvinylether	1	7.9165	0	20	40*	70	130
cis-1,3-Dichloropropene	1	26.5511	0	20	133*	70	130
trans-1,3-Dichloropropene	1	26.0426	1.3452	20	123	70	130
Ethyl methacrylate	1	24.1798	0	20	121	70	130
1,1,2-Trichloroethane	1	25.9678	0	20	130	70	130
1,2-Dibromoethane	1	26.8315	0	20	134*	70	130
1,3-Dichloropropane	1	25.5803	0	20	128	70	130
4-Methyl-2-Pentanone	1	25.8952	0	20	129	50	150
2-Hexanone	1	22.5533	0	20	113	50	150
Tetrachloroethene	1	22.9343	0	20	115	50	150
Toluene	1	25.3525	0	20	127	70	130
1,1,1,2-Tetrachloroethane	1	22.6062	0	20	113	70	130
Chlorobenzene	1	25.4765	0	20	127	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93449

Method: 8260D	Matrix: Methanol		Units: mg/Kg	QC Type: MSD		
Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	24.7624	0	20	124	70	130
n-Amyl acetate	1	21.044	0	20	105	70	130
Bromoform	**1**	**23.9046**	**0**	**20**	**120**	**70**	**130**
Ethylbenzene	**1**	**21.3284**	**0**	**20**	**107**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**25.153**	**0**	**20**	**126**	**70**	**130**
Styrene	**1**	**23.2517**	**0**	**20**	**116**	**70**	**130**
m&p-Xylenes	**1**	**52.0649**	**0**	**40**	**130**	**70**	**130**
o-Xylene	**1**	**23.111**	**0**	**20**	**116**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	22.5898	0	20	113	50	150
1,3-Dichlorobenzene	**1**	**24.5028**	**0**	**20**	**123**	**70**	**130**
1,4-Dichlorobenzene	**1**	**24.9228**	**0**	**20**	**125**	**70**	**130**
1,2-Dichlorobenzene	**1**	**26.6706**	**0**	**20**	**133***	**70**	**130**
Isopropylbenzene	**1**	**24.2578**	**0**	**20**	**121**	**70**	**130**
Cyclohexanone	1	153.901	0	100	154*	50	150
Camphene	1	24.2172	0	20	121	70	130
1,2,3-Trichloropropane	1	24.0935	0	20	120	70	130
2-Chlorotoluene	1	23.7747	0	20	119	70	130
p-Ethyltoluene	1	24.6866	0	20	123	70	130
4-Chlorotoluene	1	24.0175	0	20	120	70	130
n-Propylbenzene	1	25.3096	0	20	127	70	130
Bromobenzene	1	24.4692	0	20	122	70	130
1,3,5-Trimethylbenzene	1	20.911	0	20	105	70	130
Butyl methacrylate	1	23.8998	0	20	119	70	130
t-Butylbenzene	1	24.146	0	20	121	70	130
1,2,4-Trimethylbenzene	1	24.6818	0	20	123	70	130
sec-Butylbenzene	1	25.9702	0	20	130	70	130
4-Isopropyltoluene	1	25.6494	0	20	128	70	130
n-Butylbenzene	1	26.3201	0	20	132*	70	130
p-Diethylbenzene	1	25.6183	0	20	128	70	130
1,2,4,5-Tetramethylbenzene	1	28.7749	0	20	144*	70	130
1,2-Dibromo-3-Chloropropane	**1**	**26.3667**	**0**	**20**	**132**	**50**	**150**
Camphor	1	211.9075	0	200	106	20	150
Hexachlorobutadiene	1	28.6765	0	20	143	50	150
1,2,4-Trichlorobenzene	**1**	**31.9128**	**0**	**20**	**160***	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**39.8626**	**0**	**20**	**199***	**70**	**130**
Naphthalene	1	39.1472	0	20	196*	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS93449

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91528.D	AD23438-009(MSD)	5/21/2021 6:41:00 PM
Duplicate(If applicable):	11M91527.D	AD23438-009(MS)	5/21/2021 6:20:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	26.6055	26.2968	1.2	30
Dichlorodifluoromethane	**1**	**11.6206**	**11.7125**	**0.79**	**30**
Chloromethane	**1**	**17.6623**	**17.3847**	**1.6**	**30**
Bromomethane	**1**	**26.1262**	**20.0152**	**26**	**30**
Vinyl Chloride	**1**	**19.2288**	**18.6038**	**3.3**	**40**
Chloroethane	**1**	**32.4423**	**25.2107**	**25**	**30**
Trichlorofluoromethane	**1**	**22.6866**	**22.1449**	**2.4**	**30**
Ethyl ether	1	28.301	27.2978	3.6	30
Furan	1	24.6937	22.8318	7.8	30
1,1,2-Trichloro-1,2,2-trifluoroethane	**1**	**25.551**	**25.2244**	**1.3**	**30**
Methylene Chloride	**1**	**27.0958**	**25.2493**	**7.1**	**30**
Acrolein	1	142.3215	127.9132	11	30
Acrylonitrile	1	37.5225	35.6414	5.1	30
Iodomethane	1	19.2422	16.4814	15	30
Acetone	**1**	**190.4968**	**165.7924**	**14**	**30**
Carbon Disulfide	**1**	**20.7353**	**20.2553**	**2.3**	**30**
t-Butyl Alcohol	1	91.5091	77.4246	17	30
n-Hexane	1	27.9956	25.4487	9.5	30
Di-isopropyl-ether	1	32.1335	31.1185	3.2	30
1,1-Dichloroethene	**1**	**23.568**	**22.8349**	**3.2**	**40**
Methyl Acetate	**1**	**41.2185**	**38.2228**	**7.5**	**30**
Methyl-t-butyl ether	**1**	**34.6628**	**32.2808**	**7.1**	**30**
1,1-Dichloroethane	**1**	**24.782**	**24.1321**	**2.7**	**40**
trans-1,2-Dichloroethene	**1**	**24.719**	**23.873**	**3.5**	**30**
Ethyl-t-butyl ether	1	27.2212	26.7554	1.7	30
cis-1,2-Dichloroethene	**1**	**25.8352**	**24.7832**	**4.2**	**30**
Bromochloromethane	**1**	**27.4104**	**26.3929**	**3.8**	**30**
2,2-Dichloropropane	1	24.4298	23.7328	2.9	30
Ethyl acetate	1	27.8794	26.4911	5.1	20
1,4-Dioxane	**1**	**940.946**	**586.5902**	**46***	**30**
1,1-Dichloropropene	1	24.7617	23.8816	3.6	30
Chloroform	**1**	**25.6231**	**24.8355**	**3.1**	**40**
Cyclohexane	**1**	**27.8829**	**26.7121**	**4.3**	**30**
1,2-Dichloroethane	**1**	**23.764**	**24.4226**	**2.7**	**40**
2-Butanone	**1**	**25.4477**	**22.7931**	**11**	**40**
1,1,1-Trichloroethane	**1**	**24.967**	**23.9102**	**4.3**	**30**
Carbon Tetrachloride	**1**	**22.806**	**21.9572**	**3.8**	**40**
Vinyl Acetate	1	20.3034	20.026	1.4	30
Bromodichloromethane	**1**	**26.19**	**25.0623**	**4.4**	**30**
Methylcyclohexane	**1**	**26.327**	**25.0503**	**5**	**30**
Dibromomethane	1	25.6954	24.411	5.1	30
1,2-Dichloropropane	**1**	**27.394**	**26.4711**	**3.4**	**30**
Trichloroethene	**1**	**25.7623**	**24.9192**	**3.3**	**40**
Benzene	**1**	**25.3019**	**24.9003**	**1.6**	**40**
tert-Amyl methyl ether	1	25.841	25.1063	2.9	30
Iso-propylacetate	1	25.2469	23.9704	5.2	30
Methyl methacrylate	1	22.5315	22.411	0.54	30
Dibromochloromethane	**1**	**23.7418**	**23.2974**	**1.9**	**30**
2-Chloroethylvinylether	1	7.9165	5.9661	28	30
cis-1,3-Dichloropropene	**1**	**26.5511**	**25.0514**	**5.8**	**30**
trans-1,3-Dichloropropene	**1**	**26.0426**	**24.3358**	**6.8**	**30**
Ethyl methacrylate	1	24.1798	22.5348	7	30
1,1,2-Trichloroethane	**1**	**25.9678**	**24.8777**	**4.3**	**30**
1,2-Dibromoethane	**1**	**26.8315**	**25.2042**	**6.3**	**30**
1,3-Dichloropropane	1	25.5803	24.798	3.1	30
4-Methyl-2-Pentanone	**1**	**25.8952**	**23.872**	**8.1**	**30**
2-Hexanone	**1**	**22.5533**	**20.9985**	**7.1**	**30**
Tetrachloroethene	**1**	**22.9343**	**21.8533**	**4.8**	**40**
Toluene	**1**	**25.3525**	**26.0243**	**2.6**	**40**
1,1,1,2-Tetrachloroethane	1	22.6062	22.4355	0.76	30
Chlorobenzene	**1**	**25.4765**	**24.7686**	**2.8**	**40**

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3

RPD Data Laboratory Limits

QC Batch: MBS93449

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Butyl acrylate	1	24.7624	26.1459	5.4	30
n-Amyl acetate	1	21.044	20.999	0.21	30
Bromoform	1	23.9046	24.3744	1.9	30
Ethylbenzene	1	21.3284	24.9536	16	30
1,1,2,2-Tetrachloroethane	1	25.153	26.5762	5.5	30
Styrene	1	23.2517	24.6453	5.8	30
m&p-Xylenes	1	52.0649	53.7639	3.2	30
o-Xylene	1	23.111	25.4298	9.6	30
trans-1,4-Dichloro-2-butene	1	22.5898	23.6702	4.7	30
1,3-Dichlorobenzene	1	24.5028	22.8157	7.1	30
1,4-Dichlorobenzene	1	24.9228	24.1103	3.3	40
1,2-Dichlorobenzene	1	26.6706	24.3934	8.9	40
Isopropylbenzene	1	24.2578	25.4225	4.7	30
Cyclohexanone	1	153.901	122.8454	22	30
Camphene	1	24.2172	24.4557	0.98	30
1,2,3-Trichloropropane	1	24.0935	24.6067	2.1	30
2-Chlorotoluene	1	23.7747	24.3377	2.3	30
p-Ethyltoluene	1	24.6866	26.0166	5.2	30
4-Chlorotoluene	1	24.0175	24.5645	2.3	30
n-Propylbenzene	1	25.3096	26.1846	3.4	40
Bromobenzene	1	24.4692	26.1338	6.6	30
1,3,5-Trimethylbenzene	1	20.911	22.3736	6.8	30
Butyl methacrylate	1	23.8998	25.2298	5.4	30
t-Butylbenzene	1	24.146	24.0902	0.23	30
1,2,4-Trimethylbenzene	1	24.6818	23.9266	3.1	30
sec-Butylbenzene	1	25.9702	23.9805	8	40
4-Isopropyltoluene	1	25.6494	23.9915	6.7	30
n-Butylbenzene	1	26.3201	25.0875	4.8	30
p-Diethylbenzene	1	25.6183	24.3584	5	30
1,2,4,5-Tetramethylbenzene	1	28.7749	22.6938	24	30
1,2-Dibromo-3-Chloropropane	1	26.3667	20.7211	24	30
Camphor	1	211.9075	164.752	25	30
Hexachlorobutadiene	1	28.6765	26.2747	8.7	30
1,2,4-Trichlorobenzene	1	31.9128	27.5345	15	30
1,2,3-Trichlorobenzene	1	39.8626	33.0106	19	30
Naphthalene	1	39.1472	32.7872	18	30

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93465

Data File	Sample ID:	Analysis Date
Spike or Dup: 11M91576.D	MBS93465	5/24/2021 12:38:00 PM
Non Spike(If applicable):		
Inst Blank(If applicable):		

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	18.0455	0	20	90	50	150
Dichlorodifluoromethane	1	38.5947	0	20	193*	50	150
Chloromethane	1	24.5645	0	20	123	50	150
Bromomethane	1	19.2478	0	20	96	50	150
Vinyl Chloride	1	23.2679	0	20	116	50	150
Chloroethane	1	25.3193	0	20	127	50	150
Trichlorofluoromethane	1	21.6734	0	20	108	50	150
Ethyl ether	1	21.6362	0	20	108	50	150
Furan	1	18.5336	0	20	93	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	27.5344	0	20	138	50	150
Methylene Chloride	1	26.2548	0	20	131*	70	130
Acrolein	1	166.3811	0	100	166*	50	150
Acrylonitrile	1	33.7242	0	20	169*	50	150
Iodomethane	1	22.9378	0	20	115	50	150
Acetone	1	165.4032	0	100	165*	50	150
Carbon Disulfide	1	23.1633	0	20	116	50	150
t-Butyl Alcohol	1	72.3205	0	100	72	50	150
n-Hexane	1	29.686	0	20	148*	70	130
Di-isopropyl-ether	1	31.7238	0	20	159*	70	130
1,1-Dichloroethene	1	25.7672	0	20	129	70	130
Methyl Acetate	1	36.2356	0	20	181*	50	150
Methyl-t-butyl ether	1	32.7778	0	20	164*	70	130
1,1-Dichloroethane	1	24.797	0	20	124	70	130
trans-1,2-Dichloroethene	1	24.6137	0	20	123	70	130
Ethyl-t-butyl ether	1	26.7341	0	20	134*	70	130
cis-1,2-Dichloroethene	1	25.2505	0	20	126	70	130
Bromochloromethane	1	25.445	0	20	127	70	130
2,2-Dichloropropane	1	25.9685	0	20	130	70	130
Ethyl acetate	1	25.8766	0	20	129	50	150
1,4-Dioxane	1	841.1511	0	1000	84	50	150
1,1-Dichloropropene	1	23.9572	0	20	120	70	130
Chloroform	1	24.4646	0	20	122	70	130
Cyclohexane	1	27.5173	0	20	138*	70	130
1,2-Dichloroethane	1	24.0095	0	20	120	70	130
2-Butanone	1	21.9002	0	20	110	50	150
1,1,1-Trichloroethane	1	23.3429	0	20	117	70	130
Carbon Tetrachloride	1	21.1564	0	20	106	50	150
Vinyl Acetate	1	26.5494	0	20	133	50	150
Bromodichloromethane	1	24.6009	0	20	123	70	130
Methylcyclohexane	1	24.1383	0	20	121	70	130
Dibromomethane	1	23.4816	0	20	117	70	130
1,2-Dichloropropane	1	25.6451	0	20	128	70	130
Trichloroethene	1	23.3014	0	20	117	70	130
Benzene	1	24.3429	0	20	122	70	130
tert-Amyl methyl ether	1	25.5543	0	20	128	70	130
Iso-propylacetate	1	23.2314	0	20	116	70	130
Methyl methacrylate	1	23.032	0	20	115	70	130
Dibromochloromethane	1	23.4811	0	20	117	70	130
2-Chloroethylvinylether	1	6.4578	0	20	32*	70	130
cis-1,3-Dichloropropene	1	25.4909	0	20	127	70	130
trans-1,3-Dichloropropene	1	25.5163	0	20	128	70	130
Ethyl methacrylate	1	25.0149	0	20	125	70	130
1,1,2-Trichloroethane	1	24.8018	0	20	124	70	130
1,2-Dibromoethane	1	24.9198	0	20	125	70	130
1,3-Dichloropropane	1	24.47	0	20	122	70	130
4-Methyl-2-Pentanone	1	23.8891	0	20	119	50	150
2-Hexanone	1	20.6537	0	20	103	50	150
Tetrachloroethene	1	20.7152	0	20	104	50	150
Toluene	1	24.205	0	20	121	70	130
1,1,1,2-Tetrachloroethane	1	22.4021	0	20	112	70	130
Chlorobenzene	1	23.893	0	20	119	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93465

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	22.8231	0	20	114	70	130
n-Amyl acetate	1	19.106	0	20	96	70	130
Bromoform	1	21.2057	0	20	106	70	130
Ethylbenzene	1	19.3538	0	20	97	70	130
1,1,2,2-Tetrachloroethane	1	22.4571	0	20	112	70	130
Styrene	1	20.7095	0	20	104	70	130
m&p-Xylenes	1	45.8442	0	40	115	70	130
o-Xylene	1	20.458	0	20	102	70	130
trans-1,4-Dichloro-2-butene	1	22.0604	0	20	110	50	150
1,3-Dichlorobenzene	1	22.0038	0	20	110	70	130
1,4-Dichlorobenzene	1	22.7281	0	20	114	70	130
1,2-Dichlorobenzene	1	23.3078	0	20	117	70	130
Isopropylbenzene	1	20.5407	0	20	103	70	130
Cyclohexanone	1	97.2628	0	100	97	50	150
Camphene	1	20.1087	0	20	101	70	130
1,2,3-Trichloropropane	1	22.2475	0	20	111	70	130
2-Chlorotoluene	1	20.8638	0	20	104	70	130
p-Ethyltoluene	1	22.978	0	20	115	70	130
4-Chlorotoluene	1	22.2862	0	20	111	70	130
n-Propylbenzene	1	21.5618	0	20	108	70	130
Bromobenzene	1	22.8071	0	20	114	70	130
1,3,5-Trimethylbenzene	1	19.2047	0	20	96	70	130
Butyl methacrylate	1	24.6852	0	20	123	70	130
t-Butylbenzene	1	21.1899	0	20	106	70	130
1,2,4-Trimethylbenzene	1	23.4439	0	20	117	70	130
sec-Butylbenzene	1	21.3267	0	20	107	70	130
4-Isopropyltoluene	1	21.697	0	20	108	70	130
n-Butylbenzene	1	22.3535	0	20	112	70	130
p-Diethylbenzene	1	23.2848	0	20	116	70	130
1,2,4,5-Tetramethylbenzene	1	24.8348	0	20	124	70	130
1,2-Dibromo-3-Chloropropane	1	21.8326	0	20	109	50	150
Camphor	1	179.2588	0	200	90	20	150
Hexachlorobutadiene	1	23.4544	0	20	117	50	150
1,2,4-Trichlorobenzene	1	25.9014	0	20	130	70	130
1,2,3-Trichlorobenzene	1	32.8824	0	20	164*	70	130
Naphthalene	1	32.3646	0	20	162*	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93465

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91594.D	AD23533-001(MS)	5/24/2021 7:04:00 PM
Non Spike(If applicable):	11M91590.D	AD23533-001	5/24/2021 5:39:00 PM
Inst Blank(If applicable):			

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	18.1475	0	20	91	50	150
Dichlorodifluoromethane	1	42.3992	0	20	212*	50	150
Chloromethane	1	28.4683	0	20	142	50	150
Bromomethane	1	14.6497	0	20	73	50	150
Vinyl Chloride	1	26.9263	0	20	135	50	150
Chloroethane	1	0	0	20	0*	50	150
Trichlorofluoromethane	1	32.3507	0	20	162*	50	150
Ethyl ether	1	25.6996	0	20	128	50	150
Furan	1	23.3155	0	20	117	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	32.7613	0	20	164*	50	150
Methylene Chloride	1	29.8058	0	20	149*	70	130
Acrolein	1	176.53	0	100	177*	50	150
Acrylonitrile	1	38.6493	0	20	193*	50	150
Iodomethane	1	23.8019	0	20	119	50	150
Acetone	1	184.7082	0	100	185*	50	150
Carbon Disulfide	1	27.7447	0	20	139	50	150
t-Butyl Alcohol	1	76.616	0	100	77	50	150
n-Hexane	1	34.9364	0	20	175*	70	130
Di-isopropyl-ether	1	37.3966	0	20	187*	70	130
1,1-Dichloroethene	1	30.8706	0	20	154*	70	130
Methyl Acetate	1	46.6936	3.8155	20	214*	50	150
Methyl-t-butyl ether	1	38.9685	0	20	195*	70	130
1,1-Dichloroethane	1	29.3166	0	20	147*	70	130
trans-1,2-Dichloroethene	1	28.8095	0	20	144*	70	130
Ethyl-t-butyl ether	1	31.0083	0	20	155*	70	130
cis-1,2-Dichloroethene	1	27.8137	0	20	139*	70	130
Bromochloromethane	1	29.4654	0	20	147*	70	130
2,2-Dichloropropane	1	26.2464	0	20	131*	70	130
Ethyl acetate	1	41.6215	0	20	208*	50	150
1,4-Dioxane	1	520.0728	231.9935	1000	29*	50	150
1,1-Dichloropropene	1	28.2566	0	20	141*	70	130
Chloroform	1	28.6153	0	20	143*	70	130
Cyclohexane	1	34.0387	0	20	170*	70	130
1,2-Dichloroethane	1	28.394	0	20	142*	70	130
2-Butanone	1	0	0	20	0*	50	150
1,1,1-Trichloroethane	1	27.145	0	20	136*	70	130
Carbon Tetrachloride	1	25.4152	0	20	127	50	150
Vinyl Acetate	1	28.5314	0	20	143	50	150
Bromodichloromethane	1	26.6732	0	20	133*	70	130
Methylcyclohexane	1	29.9815	0	20	150*	70	130
Dibromomethane	1	27.4957	0	20	137*	70	130
1,2-Dichloropropane	1	29.8321	0	20	149*	70	130
Trichloroethene	1	28.4656	0	20	142*	70	130
Benzene	1	28.7676	0	20	144*	70	130
tert-Amyl methyl ether	1	28.7362	0	20	144*	70	130
Iso-propylacetate	1	27.4696	0	20	137*	70	130
Methyl methacrylate	1	27.4776	0	20	137*	70	130
Dibromochloromethane	1	26.0536	0	20	130	70	130
2-Chloroethylvinylether	1	8.5145	0	20	43*	70	130
cis-1,3-Dichloropropene	1	28.9327	0	20	145*	70	130
trans-1,3-Dichloropropene	1	28.8235	0	20	144*	70	130
Ethyl methacrylate	1	28.8565	0	20	144*	70	130
1,1,2-Trichloroethane	1	28.3535	0	20	142*	70	130
1,2-Dibromoethane	1	28.0594	0	20	140*	70	130
1,3-Dichloropropane	1	28.4711	0	20	142*	70	130
4-Methyl-2-Pentanone	1	26.6881	0	20	133	50	150
2-Hexanone	1	24.3802	0	20	122	50	150
Tetrachloroethene	1	25.9118	0	20	130	50	150
Toluene	1	29.4499	0	20	147*	70	130
1,1,1,2-Tetrachloroethane	1	26.0462	0	20	130	70	130
Chlorobenzene	1	29.1756	0	20	146*	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93465

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	23.7503	0	20	119	70	130
n-Amyl acetate	1	20.7976	0	20	104	70	130
Bromoform	1	22.7812	0	20	114	70	130
Ethylbenzene	1	22.6875	0	20	113	70	130
1,1,2,2-Tetrachloroethane	1	24.1922	0	20	121	70	130
Styrene	1	23.1248	0	20	116	70	130
m&p-Xylenes	1	51.7554	0	40	129	70	130
o-Xylene	1	23.2762	0	20	116	70	130
trans-1,4-Dichloro-2-butene	1	23.6176	0	20	118	50	150
1,3-Dichlorobenzene	1	24.9436	0	20	125	70	130
1,4-Dichlorobenzene	1	25.5616	0	20	128	70	130
1,2-Dichlorobenzene	1	26.7174	0	20	134*	70	130
Isopropylbenzene	1	24.02	0	20	120	70	130
Cyclohexanone	1	76.4054	0	100	76	50	150
Camphene	1	25.6367	0	20	128	70	130
1,2,3-Trichloropropane	1	23.1954	0	20	116	70	130
2-Chlorotoluene	1	23.4927	0	20	117	70	130
p-Ethyltoluene	1	25.2667	0	20	126	70	130
4-Chlorotoluene	1	24.9268	0	20	125	70	130
n-Propylbenzene	1	25.3461	0	20	127	70	130
Bromobenzene	1	25.3855	0	20	127	70	130
1,3,5-Trimethylbenzene	1	21.4936	0	20	107	70	130
Butyl methacrylate	1	27.5583	0	20	138*	70	130
t-Butylbenzene	1	24.7564	0	20	124	70	130
1,2,4-Trimethylbenzene	1	25.6973	0	20	128	70	130
sec-Butylbenzene	1	25.8364	0	20	129	70	130
4-Isopropyltoluene	1	25.8638	0	20	129	70	130
n-Butylbenzene	1	26.3289	0	20	132*	70	130
p-Diethylbenzene	1	26.5029	0	20	133*	70	130
1,2,4,5-Tetramethylbenzene	1	28.386	0	20	142*	70	130
1,2-Dibromo-3-Chloropropane	1	24.1999	0	20	121	50	150
Camphor	1	152.7417	0	200	76	20	150
Hexachlorobutadiene	1	29.4893	0	20	147	50	150
1,2,4-Trichlorobenzene	1	29.5683	1.4766	20	140*	70	130
1,2,3-Trichlorobenzene	1	37.0903	3.0828	20	170*	70	130
Naphthalene	1	33.8638	0	20	169*	50	150

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Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93465

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91595.D	AD23533-001(MSD)	5/24/2021 7:26:00 PM
Non Spike(If applicable):	11M91590.D	AD23533-001	5/24/2021 5:39:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	16.2456	0	20	81	50	150
Dichlorodifluoromethane	1	38.5514	0	20	193*	50	150
Chloromethane	1	24.637	0	20	123	50	150
Bromomethane	1	8.3245	0	20	42*	50	150
Vinyl Chloride	1	22.1548	0	20	111	50	150
Chloroethane	1	34.722	0	20	174*	50	150
Trichlorofluoromethane	1	37.937	0	20	190*	50	150
Ethyl ether	1	23.5919	0	20	118	50	150
Furan	1	20.7192	0	20	104	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	29.4828	0	20	147	50	150
Methylene Chloride	1	28.6045	0	20	143*	70	130
Acrolein	1	163.1325	0	100	163*	50	150
Acrylonitrile	1	36.7415	0	20	184*	50	150
Iodomethane	1	20.4006	0	20	102	50	150
Acetone	1	172.5709	0	100	173*	50	150
Carbon Disulfide	1	24.4912	0	20	122	50	150
t-Butyl Alcohol	1	83.8137	0	100	84	50	150
n-Hexane	1	31.8946	0	20	159*	70	130
Di-isopropyl-ether	1	34.438	0	20	172*	70	130
1,1-Dichloroethene	1	27.8296	0	20	139*	70	130
Methyl Acetate	1	44.0892	3.8155	20	201*	50	150
Methyl-t-butyl ether	1	34.7922	0	20	174*	70	130
1,1-Dichloroethane	1	25.9252	0	20	130	70	130
trans-1,2-Dichloroethene	1	25.7316	0	20	129	70	130
Ethyl-t-butyl ether	1	28.3533	0	20	142*	70	130
cis-1,2-Dichloroethene	1	25.8948	0	20	129	70	130
Bromochloromethane	1	26.6592	0	20	133*	70	130
2,2-Dichloropropane	1	22.6057	0	20	113	70	130
Ethyl acetate	1	38.5217	0	20	193*	50	150
1,4-Dioxane	1	882.3253	231.9935	1000	65	50	150
1,1-Dichloropropene	1	25.7081	0	20	129	70	130
Chloroform	1	24.9535	0	20	125	70	130
Cyclohexane	1	29.6947	0	20	148*	70	130
1,2-Dichloroethane	1	25.6148	0	20	128	70	130
2-Butanone	1	0	0	20	0*	50	150
1,1,1-Trichloroethane	1	24.5939	0	20	123	70	130
Carbon Tetrachloride	1	22.2835	0	20	111	50	150
Vinyl Acetate	1	26.478	0	20	132	50	150
Bromodichloromethane	1	25.0015	0	20	125	70	130
Methylcyclohexane	1	27.7783	0	20	139*	70	130
Dibromomethane	1	25.3138	0	20	127	70	130
1,2-Dichloropropane	1	25.2785	0	20	126	70	130
Trichloroethene	1	24.4354	0	20	122	70	130
Benzene	1	26.0016	0	20	130	70	130
tert-Amyl methyl ether	1	27.294	0	20	136*	70	130
Iso-propylacetate	1	23.8749	0	20	119	70	130
Methyl methacrylate	1	25.9025	0	20	130	70	130
Dibromochloromethane	1	22.7105	0	20	114	70	130
2-Chloroethylvinylether	1	6.9404	0	20	35*	70	130
cis-1,3-Dichloropropene	1	25.3898	0	20	127	70	130
trans-1,3-Dichloropropene	1	25.3106	0	20	127	70	130
Ethyl methacrylate	1	26.2754	0	20	131*	70	130
1,1,2-Trichloroethane	1	25.6132	0	20	128	70	130
1,2-Dibromoethane	1	25.5231	0	20	128	70	130
1,3-Dichloropropane	1	25.0521	0	20	125	70	130
4-Methyl-2-Pentanone	1	24.8235	0	20	124	50	150
2-Hexanone	1	21.4596	0	20	107	50	150
Tetrachloroethene	1	22.7399	0	20	114	50	150
Toluene	1	25.211	0	20	126	70	130
1,1,1,2-Tetrachloroethane	1	23.1401	0	20	116	70	130
Chlorobenzene	1	25.3037	0	20	127	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93465

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	22.6132	0	20	113	70	130
n-Amyl acetate	1	19.5725	0	20	98	70	130
Bromoform	1	20.7885	0	20	104	70	130
Ethylbenzene	1	19.984	0	20	100	70	130
1,1,2,2-Tetrachloroethane	1	22.7523	0	20	114	70	130
Styrene	1	21.6216	0	20	108	70	130
m&p-Xylenes	1	48.4565	0	40	121	70	130
o-Xylene	1	21.0883	0	20	105	70	130
trans-1,4-Dichloro-2-butene	1	22.2208	0	20	111	50	150
1,3-Dichlorobenzene	1	23.0748	0	20	115	70	130
1,4-Dichlorobenzene	1	23.7756	0	20	119	70	130
1,2-Dichlorobenzene	1	24.3312	0	20	122	70	130
Isopropylbenzene	1	22.1358	0	20	111	70	130
Cyclohexanone	1	97.2744	0	100	97	50	150
Camphene	1	23.4785	0	20	117	70	130
1,2,3-Trichloropropane	1	21.9161	0	20	110	70	130
2-Chlorotoluene	1	22.4546	0	20	112	70	130
p-Ethyltoluene	1	23.6001	0	20	118	70	130
4-Chlorotoluene	1	23.8437	0	20	119	70	130
n-Propylbenzene	1	22.9747	0	20	115	70	130
Bromobenzene	1	23.0145	0	20	115	70	130
1,3,5-Trimethylbenzene	1	19.4243	0	20	97	70	130
Butyl methacrylate	1	25.6391	0	20	128	70	130
t-Butylbenzene	1	23.0044	0	20	115	70	130
1,2,4-Trimethylbenzene	1	23.9893	0	20	120	70	130
sec-Butylbenzene	1	24.02	0	20	120	70	130
4-Isopropyltoluene	1	23.7004	0	20	119	70	130
n-Butylbenzene	1	24.6434	0	20	123	70	130
p-Diethylbenzene	1	25.1408	0	20	126	70	130
1,2,4,5-Tetramethylbenzene	1	27.0643	0	20	135*	70	130
1,2-Dibromo-3-Chloropropane	1	23.4559	0	20	117	50	150
Camphor	1	169.2854	0	200	85	20	150
Hexachlorobutadiene	1	28.0477	0	20	140	50	150
1,2,4-Trichlorobenzene	1	29.6239	1.4766	20	141*	70	130
1,2,3-Trichlorobenzene	1	38.1613	3.0828	20	175*	70	130
Naphthalene	1	35.4761	0	20	177*	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS93465

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91595.D	AD23533-001(MSD)	5/24/2021 7:26:00 PM
Duplicate(If applicable):	11M91594.D	AD23533-001(MS)	5/24/2021 7:04:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	16.2456	18.1475	11	30
Dichlorodifluoromethane	**1**	**38.5514**	**42.3992**	**9.5**	**30**
Chloromethane	**1**	**24.637**	**28.4683**	**14**	**30**
Bromomethane	**1**	**8.3245**	**14.6497**	**55***	**30**
Vinyl Chloride	**1**	**22.1548**	**26.9263**	**19**	**40**
Chloroethane	**1**	**34.722**	**0**	**200***	**30**
Trichlorofluoromethane	**1**	**37.937**	**32.3507**	**16**	**30**
Ethyl ether	1	23.5919	25.6996	8.6	30
Furan	1	20.7192	23.3155	12	30
1,1,2-Trichloro-1,2,2-trifluoroethane	**1**	**29.4828**	**32.7613**	**11**	**30**
Methylene Chloride	**1**	**28.6045**	**29.8058**	**4.1**	**30**
Acrolein	1	163.1325	176.53	7.9	30
Acrylonitrile	1	36.7415	38.6493	5.1	30
Iodomethane	1	20.4006	23.8019	15	30
Acetone	**1**	**172.5709**	**184.7082**	**6.8**	**30**
Carbon Disulfide	**1**	**24.4912**	**27.7447**	**12**	**30**
t-Butyl Alcohol	1	83.8137	76.616	9	30
n-Hexane	1	31.8946	34.9364	9.1	30
Di-isopropyl-ether	1	34.438	37.3966	8.2	30
1,1-Dichloroethene	**1**	**27.8296**	**30.8706**	**10**	**40**
Methyl Acetate	**1**	**44.0892**	**46.6936**	**5.7**	**30**
Methyl-t-butyl ether	**1**	**34.7922**	**38.9685**	**11**	**30**
1,1-Dichloroethane	**1**	**25.9252**	**29.3166**	**12**	**40**
trans-1,2-Dichloroethene	**1**	**25.7316**	**28.8095**	**11**	**30**
Ethyl-t-butyl ether	1	28.3533	31.0083	8.9	30
cis-1,2-Dichloroethene	**1**	**25.8948**	**27.8137**	**7.1**	**30**
Bromochloromethane	**1**	**26.6592**	**29.4654**	**10**	**30**
2,2-Dichloropropane	1	22.6057	26.2464	15	30
Ethyl acetate	1	38.5217	41.6215	7.7	20
1,4-Dioxane	**1**	**882.3253**	**520.0728**	**52***	**30**
1,1-Dichloropropene	1	25.7081	28.2566	9.4	30
Chloroform	**1**	**24.9535**	**28.6153**	**14**	**40**
Cyclohexane	**1**	**29.6947**	**34.0387**	**14**	**30**
1,2-Dichloroethane	**1**	**25.6148**	**28.394**	**10**	**40**
2-Butanone	**1**	**0**	**0**	**NA**	**40**
1,1,1-Trichloroethane	**1**	**24.5939**	**27.145**	**9.9**	**30**
Carbon Tetrachloride	**1**	**22.2835**	**25.4152**	**13**	**40**
Vinyl Acetate	1	26.478	28.5314	7.5	30
Bromodichloromethane	**1**	**25.0015**	**26.6732**	**6.5**	**30**
Methylcyclohexane	**1**	**27.7783**	**29.9815**	**7.6**	**30**
Dibromomethane	1	25.3138	27.4957	8.3	30
1,2-Dichloropropane	**1**	**25.2785**	**29.8321**	**17**	**30**
Trichloroethene	**1**	**24.4354**	**28.4656**	**15**	**40**
Benzene	**1**	**26.0016**	**28.7676**	**10**	**40**
tert-Amyl methyl ether	1	27.294	28.7362	5.1	30
Iso-propylacetate	1	23.8749	27.4696	14	30
Methyl methacrylate	1	25.9025	27.4776	5.9	30
Dibromochloromethane	**1**	**22.7105**	**26.0536**	**14**	**30**
2-Chloroethylvinylether	1	6.9404	8.5145	20	30
cis-1,3-Dichloropropene	**1**	**25.3898**	**28.9327**	**13**	**30**
trans-1,3-Dichloropropene	**1**	**25.3106**	**28.8235**	**13**	**30**
Ethyl methacrylate	1	26.2754	28.8565	9.4	30
1,1,2-Trichloroethane	**1**	**25.6132**	**28.3535**	**10**	**30**
1,2-Dibromoethane	**1**	**25.5231**	**28.0594**	**9.5**	**30**
1,3-Dichloropropane	1	25.0521	28.4711	13	30
4-Methyl-2-Pentanone	**1**	**24.8235**	**26.6881**	**7.2**	**30**
2-Hexanone	**1**	**21.4596**	**24.3802**	**13**	**30**
Tetrachloroethene	**1**	**22.7399**	**25.9118**	**13**	**40**
Toluene	**1**	**25.211**	**29.4499**	**16**	**40**
1,1,1,2-Tetrachloroethane	1	23.1401	26.0462	12	30
Chlorobenzene	**1**	**25.3037**	**29.1756**	**14**	**40**

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS93465

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Butyl acrylate	1	22.6132	23.7503	4.9	30
n-Amyl acetate	1	19.5725	20.7976	6.1	30
Bromoform	**1**	**20.7885**	**22.7812**	**9.1**	**30**
Ethylbenzene	**1**	**19.984**	**22.6875**	**13**	**30**
1,1,2,2-Tetrachloroethane	**1**	**22.7523**	**24.1922**	**6.1**	**30**
Styrene	**1**	**21.6216**	**23.1248**	**6.7**	**30**
m&p-Xylenes	**1**	**48.4565**	**51.7554**	**6.6**	**30**
o-Xylene	**1**	**21.0883**	**23.2762**	**9.9**	**30**
trans-1,4-Dichloro-2-butene	1	22.2208	23.6176	6.1	30
1,3-Dichlorobenzene	**1**	**23.0748**	**24.9436**	**7.8**	**30**
1,4-Dichlorobenzene	**1**	**23.7756**	**25.5616**	**7.2**	**40**
1,2-Dichlorobenzene	**1**	**24.3312**	**26.7174**	**9.3**	**40**
Isopropylbenzene	**1**	**22.1358**	**24.02**	**8.2**	**30**
Cyclohexanone	1	97.2744	76.4064	24	30
Camphene	1	23.4785	25.6367	8.8	30
1,2,3-Trichloropropane	1	21.9161	23.1954	5.7	30
2-Chlorotoluene	1	22.4546	23.4927	4.5	30
p-Ethyltoluene	1	23.6001	25.2667	6.8	30
4-Chlorotoluene	1	23.8437	24.9268	4.4	30
n-Propylbenzene	1	22.9747	25.3461	9.8	40
Bromobenzene	1	23.0145	25.3855	9.8	30
1,3,5-Trimethylbenzene	1	19.4243	21.4936	10	30
Butyl methacrylate	1	25.6391	27.5583	7.2	30
t-Butylbenzene	1	23.0044	24.7564	7.3	30
1,2,4-Trimethylbenzene	1	23.9893	25.6973	6.9	30
sec-Butylbenzene	1	24.02	25.8364	7.3	40
4-Isopropyltoluene	1	23.7004	25.8638	8.7	30
n-Butylbenzene	1	24.6434	26.3289	6.6	30
p-Diethylbenzene	1	25.1408	26.5029	5.3	30
1,2,4,5-Tetramethylbenzene	1	27.0643	28.386	4.8	30
1,2-Dibromo-3-Chloropropane	**1**	**23.4559**	**24.1999**	**3.1**	**30**
Camphor	1	169.2854	152.7417	10	30
Hexachlorobutadiene	1	28.0477	29.4893	5	30
1,2,4-Trichlorobenzene	**1**	**29.6239**	**29.5683**	**0.19**	**30**
1,2,3-Trichlorobenzene	**1**	**38.1613**	**37.0903**	**2.8**	**30**
Naphthalene	1	35.4761	33.8638	4.7	30

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93466

Data File	Sample ID:	Analysis Date
Spike or Dup: 6M140324.D	MBS93466	5/24/2021 1:08:00 PM
Non Spike(If applicable):		
Inst Blank(If applicable):		

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	28.5971	0	50	57	20	130
Dichlorodifluoromethane	1	31.4568	0	50	63	20	130
Chloromethane	1	37.3758	0	50	75	20	130
Bromomethane	1	52.7659	0	50	106	20	130
Vinyl Chloride	1	45.3649	0	50	91	20	130
Chloroethane	1	50.2779	0	50	101	20	130
Trichlorofluoromethane	1	54.1299	0	50	108	20	130
Ethyl ether	1	31.6926	0	50	63	50	130
Furan	1	29.3151	0	50	59	50	130
1,1,2-Trichloro-1,2,2-trifluoroethane	1	49.322	0	50	99	50	130
Methylene Chloride	1	40.7603	0	50	82	50	130
Acrolein	1	200.7734	0	200	100	20	130
Acrylonitrile	1	38.9373	0	50	78	20	130
Iodomethane	1	39.212	0	50	78	50	130
Acetone	1	215.3059	0	200	108	20	130
Carbon Disulfide	1	40.4451	0	50	81	50	130
t-Butyl Alcohol	1	193.9288	0	200	97	20	130
n-Hexane	1	50.8361	0	50	102	50	130
Di-isopropyl-ether	1	42.4049	0	50	85	50	130
1,1-Dichloroethene	1	44.6351	0	50	89	50	130
Methyl Acetate	1	38.0384	0	50	76	50	130
Methyl-t-butyl ether	1	38.221	0	50	76	50	130
1,1-Dichloroethane	1	42.4476	0	50	85	50	130
trans-1,2-Dichloroethene	1	44.9056	0	50	90	50	130
Ethyl-t-butyl ether	1	38.7526	0	50	78	50	130
cis-1,2-Dichloroethene	1	41.8407	0	50	84	50	130
Bromochloromethane	1	43.0533	0	50	86	50	130
2,2-Dichloropropane	1	44.8466	0	50	90	50	130
Ethyl acetate	1	41.1807	0	50	82	50	130
1,4-Dioxane	1	2118.458	0	2500	85	50	130
1,1-Dichloropropene	1	45.5574	0	50	91	50	130
Chloroform	1	42.167	0	50	84	50	130
Cyclohexane	1	45.6047	0	50	91	50	130
1,2-Dichloroethane	1	38.2682	0	50	77	50	130
2-Butanone	1	40.8029	0	50	82	20	130
1,1,1-Trichloroethane	1	43.651	0	50	87	50	130
Carbon Tetrachloride	1	43.0248	0	50	86	50	130
Vinyl Acetate	1	43.5603	0	50	87	50	130
Bromodichloromethane	1	41.2688	0	50	83	50	130
Methylcyclohexane	1	50.3181	0	50	101	50	130
Dibromomethane	1	42.1426	0	50	84	50	130
1,2-Dichloropropane	1	44.7746	0	50	90	50	130
Trichloroethene	1	44.6756	0	50	89	50	130
Benzene	1	43.8701	0	50	88	50	130
tert-Amyl methyl ether	1	42.023	0	50	84	50	130
Iso-propylacetate	1	57.1242	0	50	114	50	130
Methyl methacrylate	1	54.5889	0	50	109	50	130
Dibromochloromethane	1	56.2125	0	50	112	50	130
2-Chloroethylvinylether	1	54.3581	0	50	109	50	130
cis-1,3-Dichloropropene	1	55.8241	0	50	112	50	130
trans-1,3-Dichloropropene	1	56.4874	0	50	113	50	130
Ethyl methacrylate	1	52.1876	0	50	104	50	130
1,1,2-Trichloroethane	1	57.5832	0	50	115	50	130
1,2-Dibromoethane	1	58.9812	0	50	118	50	130
1,3-Dichloropropane	1	57.2671	0	50	115	50	130
4-Methyl-2-Pentanone	1	53.5157	0	50	107	20	130
2-Hexanone	1	54.9442	0	50	110	20	130
Tetrachloroethene	1	62.4776	0	50	125	50	130
Toluene	1	55.5657	0	50	111	50	130
1,1,1,2-Tetrachloroethane	1	58.4343	0	50	117	50	130
Chlorobenzene	1	56.9594	0	50	114	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93466

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	54.0274	0	50	108	50	130
n-Amyl acetate	1	58.3079	0	50	117	50	130
Bromoform	**1**	**58.0491**	**0**	**50**	**116**	**20**	**130**
Ethylbenzene	**1**	**53.9188**	**0**	**50**	**108**	**50**	**130**
1,1,2,2-Tetrachloroethane	**1**	**58.2703**	**0**	**50**	**117**	**50**	**130**
Styrene	**1**	**59.967**	**0**	**50**	**120**	**50**	**130**
m&p-Xylenes	**1**	**121.9958**	**0**	**100**	**122**	**50**	**130**
o-Xylene	**1**	**57.9069**	**0**	**50**	**116**	**50**	**130**
trans-1,4-Dichloro-2-butene	1	58.7495	0	50	117	20	130
1,3-Dichlorobenzene	**1**	**64.196**	**0**	**50**	**128**	**50**	**130**
1,4-Dichlorobenzene	**1**	**61.3242**	**0**	**50**	**123**	**50**	**130**
1,2-Dichlorobenzene	**1**	**61.0075**	**0**	**50**	**122**	**50**	**130**
Isopropylbenzene	**1**	**57.1266**	**0**	**50**	**114**	**50**	**130**
Cyclohexanone	1	346.0736	0	250	138*	50	130
Camphene	1	63.5594	0	50	127	50	130
1,2,3-Trichloropropane	1	58.2384	0	50	116	50	130
2-Chlorotoluene	1	61.7656	0	50	124	50	130
p-Ethyltoluene	1	62.0988	0	50	124	50	130
4-Chlorotoluene	1	62.445	0	50	125	50	130
n-Propylbenzene	1	59.8248	0	50	120	50	130
Bromobenzene	1	58.4039	0	50	117	50	130
1,3,5-Trimethylbenzene	1	62.221	0	50	124	50	130
Butyl methacrylate	1	62.3152	0	50	125	50	130
t-Butylbenzene	1	60.7609	0	50	122	50	130
1,2,4-Trimethylbenzene	1	61.2281	0	50	122	50	130
sec-Butylbenzene	1	63.0128	0	50	126	50	130
4-Isopropyltoluene	1	64.0995	0	50	128	50	130
n-Butylbenzene	1	64.2255	0	50	128	50	130
p-Diethylbenzene	1	66.7475	0	50	133*	50	130
1,2,4,5-Tetramethylbenzene	1	59.1748	0	50	118	50	130
1,2-Dibromo-3-Chloropropane	**1**	**61.5309**	**0**	**50**	**123**	**50**	**130**
Camphor	1	512.2677	0	500	102	50	130
Hexachlorobutadiene	1	59.9482	0	50	120	50	130
1,2,4-Trichlorobenzene	**1**	**57.1049**	**0**	**50**	**114**	**50**	**130**
1,2,3-Trichlorobenzene	**1**	**54.5222**	**0**	**50**	**109**	**50**	**130**
Naphthalene	1	52.4446	0	50	105	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93466

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M140334.D	AD23511-001(MS)	5/24/2021 4:46:00 PM
Non Spike(If applicable):	6M140330.D	AD23511-001	5/24/2021 3:17:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	0	0	50	0*	20	130
Dichlorodifluoromethane	1	76.119	0	50	152*	20	130
Chloromethane	1	38.2403	0	50	76	20	130
Bromomethane	1	40.363	0	50	81	20	130
Vinyl Chloride	1	42.3112	0	50	85	20	130
Chloroethane	1	38.7393	0	50	77	20	130
Trichlorofluoromethane	1	42.1433	0	50	84	20	130
Ethyl ether	1	33.7676	0	50	68	50	130
Furan	1	36.0595	0	50	72	50	130
1,1,2-Trichloro-1,2,2-trifluoroethane	1	47.7782	0	50	96	50	130
Methylene Chloride	1	36.655	0	50	73	50	130
Acrolein	1	77.1442	0	200	39	20	130
Acrylonitrile	1	32.0564	0	50	64	20	130
Iodomethane	1	33.4666	0	50	67	50	130
Acetone	1	188.4867	0	200	94	20	130
Carbon Disulfide	1	39.3502	0	50	79	50	130
t-Butyl Alcohol	1	166.5895	0	200	83	20	130
n-Hexane	1	41.7394	0	50	83	50	130
Di-isopropyl-ether	1	36.1864	0	50	72	50	130
1,1-Dichloroethene	1	46.2177	0	50	92	50	130
Methyl Acetate	1	48.198	0	50	96	50	130
Methyl-t-butyl ether	1	36.1559	0	50	72	50	130
1,1-Dichloroethane	1	37.3728	0	50	75	50	130
trans-1,2-Dichloroethene	1	40.6083	0	50	81	50	130
Ethyl-t-butyl ether	1	35.7005	0	50	71	50	130
cis-1,2-Dichloroethene	1	35.2912	0	50	71	50	130
Bromochloromethane	1	35.2449	0	50	70	50	130
2,2-Dichloropropane	1	42.3318	0	50	85	50	130
Ethyl acetate	1	13.5904	0	50	27*	50	130
1,4-Dioxane	1	1761.388	0	2500	70	50	130
1,1-Dichloropropene	1	40.4343	0	50	81	50	130
Chloroform	1	37.8863	0	50	76	50	130
Cyclohexane	1	41.5527	0	50	83	50	130
1,2-Dichloroethane	1	35.6647	0	50	71	50	130
2-Butanone	1	33.7135	0	50	67	20	130
1,1,1-Trichloroethane	1	39.492	0	50	79	50	130
Carbon Tetrachloride	1	38.1072	0	50	76	50	130
Vinyl Acetate	1	22.6366	0	50	45*	50	130
Bromodichloromethane	1	35.953	0	50	72	50	130
Methylcyclohexane	1	39.3997	0	50	79	50	130
Dibromomethane	1	35.0586	0	50	70	50	130
1,2-Dichloropropane	1	36.3314	0	50	73	50	130
Trichloroethene	1	37.5421	0	50	75	50	130
Benzene	1	35.8976	0	50	72	50	130
tert-Amyl methyl ether	1	37.6093	0	50	75	50	130
Iso-propylacetate	1	26.1952	0	50	52	50	130
Methyl methacrylate	1	58.6262	0	50	117	50	130
Dibromochloromethane	1	51.094	0	50	102	50	130
2-Chloroethylvinylether	1	49.057	4.7919	50	89	50	130
cis-1,3-Dichloropropene	1	49.2277	0	50	98	50	130
trans-1,3-Dichloropropene	1	49.697	0	50	99	50	130
Ethyl methacrylate	1	28.0555	0	50	56	50	130
1,1,2-Trichloroethane	1	48.4763	0	50	97	50	130
1,2-Dibromoethane	1	52.1481	0	50	104	50	130
1,3-Dichloropropane	1	50.0348	0	50	100	50	130
4-Methyl-2-Pentanone	1	44.5546	0	50	89	20	130
2-Hexanone	1	40.8165	0	50	82	20	130
Tetrachloroethene	1	54.5859	0	50	109	50	130
Toluene	1	48.9669	0	50	98	50	130
1,1,1,2-Tetrachloroethane	1	51.577	0	50	103	50	130
Chlorobenzene	1	47.8074	0	50	96	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93466

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	31.9772	0	50	64	50	130
n-Amyl acetate	1	16.444	0	50	33*	50	130
Bromoform	**1**	**54.5768**	**0**	**50**	**109**	**20**	**130**
Ethylbenzene	**1**	**56.4376**	**0**	**50**	**113**	**50**	**130**
1,1,2,2-Tetrachloroethane	**1**	**58.4567**	**0**	**50**	**117**	**50**	**130**
Styrene	**1**	**55.5224**	**0**	**50**	**111**	**50**	**130**
m&p-Xylenes	**1**	**120.9982**	**0**	**100**	**121**	**50**	**130**
o-Xylene	**1**	**56.3799**	**0**	**50**	**113**	**50**	**130**
trans-1,4-Dichloro-2-butene	1	56.1367	0	50	112	20	130
1,3-Dichlorobenzene	**1**	**50.4796**	**0**	**50**	**101**	**50**	**130**
1,4-Dichlorobenzene	**1**	**48.8435**	**0**	**50**	**98**	**50**	**130**
1,2-Dichlorobenzene	**1**	**50.2522**	**0**	**50**	**101**	**50**	**130**
Isopropylbenzene	**1**	**54.3114**	**0**	**50**	**109**	**50**	**130**
Cyclohexanone	1	279.1892	47.4525	250	93	50	130
Camphene	1	57.0652	0	50	114	50	130
1,2,3-Trichloropropane	1	54.3016	25.2605	50	58	50	130
2-Chlorotoluene	1	54.5344	0	50	109	50	130
p-Ethyltoluene	1	52.9919	0	50	106	50	130
4-Chlorotoluene	1	53.5803	0	50	107	50	130
n-Propylbenzene	1	53.0694	0	50	106	50	130
Bromobenzene	1	54.3277	0	50	109	50	130
1,3,5-Trimethylbenzene	1	53.8998	1.3366	50	105	50	130
Butyl methacrylate	1	36.6595	0	50	73	50	130
t-Butylbenzene	1	52.6966	0	50	105	50	130
1,2,4-Trimethylbenzene	1	51.9947	0	50	104	50	130
sec-Butylbenzene	1	51.2758	0	50	103	50	130
4-Isopropyltoluene	1	50.1446	0	50	100	50	130
n-Butylbenzene	1	47.4735	0	50	95	50	130
p-Diethylbenzene	1	53.2663	0	50	107	50	130
1,2,4,5-Tetramethylbenzene	1	48.4074	2.0468	50	93	50	130
1,2-Dibromo-3-Chloropropane	**1**	**67.5958**	**0**	**50**	**135***	**50**	**130**
Camphor	1	535.7399	0	500	107	50	130
Hexachlorobutadiene	1	40.3152	0	50	81	50	130
1,2,4-Trichlorobenzene	**1**	**41.6516**	**0**	**50**	**83**	**50**	**130**
1,2,3-Trichlorobenzene	**1**	**38.4378**	**0**	**50**	**77**	**50**	**130**
Naphthalene	1	42.4792	1.489	50	82	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93466

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M140335.D	AD23511-001(MSD)	5/24/2021 5:08:00 PM
Non Spike(If applicable):	6M140330.D	AD23511-001	5/24/2021 3:17:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	35.8305	0	50	72	20	130
Dichlorodifluoromethane	1	53.8977	0	50	108	20	130
Chloromethane	1	39.285	0	50	79	20	130
Bromomethane	1	42.366	0	50	85	20	130
Vinyl Chloride	1	43.3748	0	50	87	20	130
Chloroethane	1	40.3497	0	50	81	20	130
Trichlorofluoromethane	1	43.164	0	50	86	20	130
Ethyl ether	1	32.7859	0	50	66	50	130
Furan	1	32.7224	0	50	65	50	130
1,1,2-Trichloro-1,2,2-trifluoroethane	1	46.2635	0	50	93	50	130
Methylene Chloride	1	36.7965	0	50	74	50	130
Acrolein	1	73.1664	0	200	37	20	130
Acrylonitrile	1	33.5113	0	50	67	20	130
Iodomethane	1	36.5125	0	50	73	50	130
Acetone	1	181.5708	0	200	91	20	130
Carbon Disulfide	1	40.5198	0	50	81	50	130
t-Butyl Alcohol	1	167.6546	0	200	84	20	130
n-Hexane	1	43.9823	0	50	88	50	130
Di-isopropyl-ether	1	36.0291	0	50	72	50	130
1,1-Dichloroethene	1	43.9608	0	50	88	50	130
Methyl Acetate	1	52.8713	0	50	106	50	130
Methyl-t-butyl ether	1	36.3321	0	50	73	50	130
1,1-Dichloroethane	1	39.0063	0	50	78	50	130
trans-1,2-Dichloroethene	1	40.7848	0	50	82	50	130
Ethyl-t-butyl ether	1	35.0994	0	50	70	50	130
cis-1,2-Dichloroethene	1	35.6163	0	50	71	50	130
Bromochloromethane	1	36.1168	0	50	72	50	130
2,2-Dichloropropane	1	42.4826	0	50	85	50	130
Ethyl acetate	1	14.4742	0	50	29*	50	130
1,4-Dioxane	1	1797.636	0	2500	72	50	130
1,1-Dichloropropene	1	41.0734	0	50	82	50	130
Chloroform	1	38.269	0	50	77	50	130
Cyclohexane	1	42.3036	0	50	85	50	130
1,2-Dichloroethane	1	35.6558	0	50	71	50	130
2-Butanone	1	33.9667	0	50	68	20	130
1,1,1-Trichloroethane	1	40.4853	0	50	81	50	130
Carbon Tetrachloride	1	39.0415	0	50	78	50	130
Vinyl Acetate	1	23.6037	0	50	47*	50	130
Bromodichloromethane	1	36.3943	0	50	73	50	130
Methylcyclohexane	1	42.0352	0	50	84	50	130
Dibromomethane	1	36.2586	0	50	73	50	130
1,2-Dichloropropane	1	37.3823	0	50	75	50	130
Trichloroethene	1	39.4831	0	50	79	50	130
Benzene	1	37.0619	0	50	74	50	130
tert-Amyl methyl ether	1	37.7974	0	50	76	50	130
Iso-propylacetate	1	28.3366	0	50	57	50	130
Methyl methacrylate	1	65.8553	0	50	132*	50	130
Dibromochloromethane	1	49.2035	0	50	98	50	130
2-Chloroethylvinylether	1	45.9195	4.7919	50	82	50	130
cis-1,3-Dichloropropene	1	50.8585	0	50	102	50	130
trans-1,3-Dichloropropene	1	50.3927	0	50	101	50	130
Ethyl methacrylate	1	26.7642	0	50	54	50	130
1,1,2-Trichloroethane	1	50.2086	0	50	100	50	130
1,2-Dibromoethane	1	52.6847	0	50	105	50	130
1,3-Dichloropropane	1	50.5683	0	50	101	50	130
4-Methyl-2-Pentanone	1	45.252	0	50	91	20	130
2-Hexanone	1	40.5352	0	50	81	20	130
Tetrachloroethene	1	56.1995	0	50	112	50	130
Toluene	1	49.6796	0	50	99	50	130
1,1,1,2-Tetrachloroethane	1	51.9329	0	50	104	50	130
Chlorobenzene	1	49.0445	0	50	98	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93466

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	23.2947	0	50	47*	50	130
n-Amyl acetate	1	16.3324	0	50	33*	50	130
Bromoform	1	57.874	0	50	116	20	130
Ethylbenzene	1	58.1973	0	50	116	50	130
1,1,2,2-Tetrachloroethane	1	56.8171	0	50	114	50	130
Styrene	1	57.3374	0	50	115	50	130
m&p-Xylenes	1	126.1813	0	100	126	50	130
o-Xylene	1	58.2968	0	50	117	50	130
trans-1,4-Dichloro-2-butene	1	55.6786	0	50	111	20	130
1,3-Dichlorobenzene	1	52.3491	0	50	105	50	130
1,4-Dichlorobenzene	1	51.7023	0	50	103	50	130
1,2-Dichlorobenzene	1	50.4933	0	50	101	50	130
Isopropylbenzene	1	55.8817	0	50	112	50	130
Cyclohexanone	1	268.8986	47.4525	250	89	50	130
Camphene	1	58.2081	0	50	116	50	130
1,2,3-Trichloropropane	1	55.849	25.2605	50	61	50	130
2-Chlorotoluene	1	55.4836	0	50	111	50	130
p-Ethyltoluene	1	54.6564	0	50	109	50	130
4-Chlorotoluene	1	55.8211	0	50	112	50	130
n-Propylbenzene	1	55.0522	0	50	110	50	130
Bromobenzene	1	57.2151	0	50	114	50	130
1,3,5-Trimethylbenzene	1	55.9575	1.3366	50	109	50	130
Butyl methacrylate	1	35.5731	0	50	71	50	130
t-Butylbenzene	1	54.692	0	50	109	50	130
1,2,4-Trimethylbenzene	1	53.3694	0	50	107	50	130
sec-Butylbenzene	1	53.9729	0	50	108	50	130
4-Isopropyltoluene	1	52.2309	0	50	104	50	130
n-Butylbenzene	1	50.4742	0	50	101	50	130
p-Diethylbenzene	1	53.8264	0	50	108	50	130
1,2,4,5-Tetramethylbenzene	1	49.0244	2.0468	50	94	50	130
1,2-Dibromo-3-Chloropropane	1	59.714	0	50	119	50	130
Camphor	1	580.1289	0	500	116	50	130
Hexachlorobutadiene	1	43.1604	0	50	86	50	130
1,2,4-Trichlorobenzene	1	44.2941	0	50	89	50	130
1,2,3-Trichlorobenzene	1	41.0725	0	50	82	50	130
Naphthalene	1	45.7592	1.489	50	89	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS93466

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M140335.D	AD23511-001(MSD)	5/24/2021 5:08:00 PM
Duplicate(If applicable):	6M140334.D	AD23511-001(MS)	5/24/2021 4:46:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	35.8305	0	200*	30
Dichlorodifluoromethane	**1**	**53.8977**	**76.119**	**34***	**30**
Chloromethane	**1**	**39.285**	**38.2403**	**2.7**	**30**
Bromomethane	**1**	**42.366**	**40.363**	**4.8**	**30**
Vinyl Chloride	**1**	**43.3748**	**42.3112**	**2.5**	**40**
Chloroethane	**1**	**40.3497**	**38.7393**	**4.1**	**30**
Trichlorofluoromethane	**1**	**43.164**	**42.1433**	**2.4**	**30**
Ethyl ether	1	32.7859	33.7676	3	30
Furan	1	32.7224	36.0595	9.7	30
1,1,2-Trichloro-1,2,2-trifluoroethane	**1**	**46.2635**	**47.7782**	**3.2**	**30**
Methylene Chloride	**1**	**36.7965**	**36.655**	**0.39**	**30**
Acrolein	1	73.1664	77.1442	5.3	30
Acrylonitrile	1	33.5113	32.0564	4.4	30
Iodomethane	1	36.5125	33.4666	8.7	30
Acetone	**1**	**181.5708**	**188.4867**	**3.7**	**30**
Carbon Disulfide	**1**	**40.5198**	**39.3502**	**2.9**	**30**
t-Butyl Alcohol	1	167.6546	166.5895	0.64	30
n-Hexane	1	43.9823	41.7394	5.2	30
Di-isopropyl-ether	1	36.0291	36.1864	0.44	30
1,1-Dichloroethene	**1**	**43.9608**	**46.2177**	**5**	**40**
Methyl Acetate	**1**	**52.8713**	**48.198**	**9.2**	**30**
Methyl-t-butyl ether	**1**	**36.3321**	**36.1559**	**0.49**	**30**
1,1-Dichloroethane	**1**	**39.0063**	**37.3728**	**4.3**	**40**
trans-1,2-Dichloroethene	**1**	**40.7848**	**40.6083**	**0.43**	**30**
Ethyl-t-butyl ether	1	35.0994	35.7005	1.7	30
cis-1,2-Dichloroethene	**1**	**35.6163**	**35.2912**	**0.92**	**30**
Bromochloromethane	**1**	**36.1168**	**35.2449**	**2.4**	**30**
2,2-Dichloropropane	1	42.4826	42.3318	0.36	30
Ethyl acetate	1	14.4742	13.5904	6.3	30
1,4-Dioxane	**1**	**1797.636**	**1761.388**	**2**	**30**
1,1-Dichloropropene	1	41.0734	40.4343	1.6	30
Chloroform	**1**	**38.269**	**37.8863**	**1**	**40**
Cyclohexane	**1**	**42.3036**	**41.5527**	**1.8**	**30**
1,2-Dichloroethane	**1**	**35.6558**	**35.6647**	**0.02**	**40**
2-Butanone	**1**	**33.9667**	**33.7135**	**0.75**	**40**
1,1,1-Trichloroethane	**1**	**40.4853**	**39.492**	**2.5**	**30**
Carbon Tetrachloride	**1**	**39.0415**	**38.1072**	**2.4**	**40**
Vinyl Acetate	1	23.6037	22.6366	4.2	30
Bromodichloromethane	**1**	**36.3943**	**35.953**	**1.2**	**30**
Methylcyclohexane	**1**	**42.0352**	**39.3997**	**6.5**	**30**
Dibromomethane	1	36.2586	35.0586	3.4	30
1,2-Dichloropropane	**1**	**37.3823**	**36.3314**	**2.9**	**30**
Trichloroethene	**1**	**39.4831**	**37.5421**	**5**	**40**
Benzene	**1**	**37.0619**	**35.8976**	**3.2**	**40**
tert-Amyl methyl ether	1	37.7974	37.6093	0.5	30
Iso-propylacetate	1	28.3366	26.1952	7.9	30
Methyl methacrylate	1	65.8553	58.6262	12	30
Dibromochloromethane	**1**	**49.2035**	**51.094**	**3.8**	**30**
2-Chloroethylvinylether	1	45.9195	49.057	6.6	30
cis-1,3-Dichloropropene	**1**	**50.8585**	**49.2277**	**3.3**	**30**
trans-1,3-Dichloropropene	**1**	**50.3927**	**49.697**	**1.4**	**30**
Ethyl methacrylate	1	26.7642	28.0555	4.7	30
1,1,2-Trichloroethane	**1**	**50.2086**	**48.4763**	**3.5**	**30**
1,2-Dibromoethane	**1**	**52.6847**	**52.1481**	**1**	**30**
1,3-Dichloropropane	1	50.5683	50.0348	1.1	30
4-Methyl-2-Pentanone	**1**	**45.252**	**44.5546**	**1.6**	**30**
2-Hexanone	**1**	**40.5352**	**40.8165**	**0.69**	**30**
Tetrachloroethene	**1**	**56.1995**	**54.5859**	**2.9**	**40**
Toluene	**1**	**49.6796**	**48.9669**	**1.4**	**40**
1,1,1,2-Tetrachloroethane	1	51.9329	51.577	0.69	30
Chlorobenzene	**1**	**49.0445**	**47.8074**	**2.6**	**40**

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits

QC Batch: MBS93466

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Butyl acrylate	1	23.2947	31.9772	31*	30
n-Amyl acetate	1	16.3324	16.444	0.68	30
Bromoform	**1**	**57.874**	**54.5768**	**5.9**	**30**
Ethylbenzene	**1**	**58.1973**	**56.4376**	**3.1**	**30**
1,1,2,2-Tetrachloroethane	**1**	**56.8171**	**58.4567**	**2.8**	**30**
Styrene	**1**	**57.3374**	**55.5224**	**3.2**	**30**
m&p-Xylenes	**1**	**126.1813**	**120.9982**	**4.2**	**30**
o-Xylene	**1**	**58.2968**	**56.3799**	**3.3**	**30**
trans-1,4-Dichloro-2-butene	1	55.6786	56.1367	0.82	30
1,3-Dichlorobenzene	**1**	**52.3491**	**50.4796**	**3.6**	**30**
1,4-Dichlorobenzene	**1**	**51.7023**	**48.8435**	**5.7**	**40**
1,2-Dichlorobenzene	**1**	**50.4933**	**50.2522**	**0.48**	**40**
Isopropylbenzene	**1**	**55.8817**	**54.3114**	**2.9**	**30**
Cyclohexanone	1	268.8986	279.1892	3.8	30
Camphene	1	58.2081	57.0652	2	30
1,2,3-Trichloropropane	1	55.849	54.3016	2.8	30
2-Chlorotoluene	1	55.4836	54.5344	1.7	30
p-Ethyltoluene	1	54.6564	52.9919	3.1	30
4-Chlorotoluene	1	55.8211	53.5803	4.1	30
n-Propylbenzene	1	55.0522	53.0694	3.7	40
Bromobenzene	1	57.2151	54.3277	5.2	30
1,3,5-Trimethylbenzene	1	55.9575	53.8998	3.7	30
Butyl methacrylate	1	35.5731	36.6595	3	30
t-Butylbenzene	1	54.692	52.6966	3.7	30
1,2,4-Trimethylbenzene	1	53.3694	51.9947	2.6	30
sec-Butylbenzene	1	53.9729	51.2758	5.1	40
4-Isopropyltoluene	1	52.2309	50.1446	4.1	30
n-Butylbenzene	1	50.4742	47.4735	6.1	30
p-Diethylbenzene	1	53.8264	53.2663	1	30
1,2,4,5-Tetramethylbenzene	1	49.0244	48.4074	1.3	30
1,2-Dibromo-3-Chloropropane	**1**	**59.714**	**67.5958**	**12**	**30**
Camphor	1	580.1289	535.7399	8	30
Hexachlorobutadiene	1	43.1604	40.3152	6.8	30
1,2,4-Trichlorobenzene	**1**	**44.2941**	**41.6516**	**6.1**	**30**
1,2,3-Trichlorobenzene	**1**	**41.0725**	**38.4378**	**6.6**	**30**
Naphthalene	1	45.7592	42.4792	7.4	30

* - Indicates outside of limits | NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93494

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M148865.D	MBS93494	5/25/2021 3:45:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	55.6061	0	50	111	20	130
Dichlorodifluoromethane	1	52.5181	0	50	105	20	130
Chloromethane	1	47.1495	0	50	94	20	130
Bromomethane	1	72.4177	0	50	145*	20	130
Vinyl Chloride	1	59.8303	0	50	120	20	130
Chloroethane	1	75.8869	0	50	152*	20	130
Trichlorofluoromethane	1	80.5512	0	50	161*	20	130
Ethyl ether	1	54.2345	0	50	108	50	130
Furan	1	68.3604	0	50	137*	50	130
1,1,2-Trichloro-1,2,2-trifluoroethane	1	83.2981	0	50	167*	50	130
Methylene Chloride	1	62.6304	0	50	125	50	130
Acrolein	1	226.033	0	200	113	20	130
Acrylonitrile	1	46.528	0	50	93	20	130
Iodomethane	1	67.5482	0	50	135*	50	130
Acetone	1	257.9506	0	200	129	20	130
Carbon Disulfide	1	80.9214	0	50	162*	50	130
t-Butyl Alcohol	1	244.4035	0	200	122	20	130
n-Hexane	1	76.3219	0	50	153*	50	130
Di-isopropyl-ether	1	55.9272	0	50	112	50	130
1,1-Dichloroethene	1	77.1514	0	50	154*	50	130
Methyl Acetate	1	50.0278	0	50	100	50	130
Methyl-t-butyl ether	1	54.8046	0	50	110	50	130
1,1-Dichloroethane	1	70.5398	0	50	141*	50	130
trans-1,2-Dichloroethene	1	79.9005	0	50	160*	50	130
Ethyl-t-butyl ether	1	50.1697	0	50	100	50	130
cis-1,2-Dichloroethene	1	60.1455	0	50	120	50	130
Bromochloromethane	1	52.6011	0	50	105	50	130
2,2-Dichloropropane	1	76.1471	0	50	152*	50	130
Ethyl acetate	1	43.6587	0	50	87	50	130
1,4-Dioxane	1	2244.619	0	2500	90	50	130
1,1-Dichloropropene	1	69.4101	0	50	139*	50	130
Chloroform	1	60.2992	0	50	121	50	130
Cyclohexane	1	59.0127	0	50	118	50	130
1,2-Dichloroethane	1	54.8708	0	50	110	50	130
2-Butanone	1	45.954	0	50	92	20	130
1,1,1-Trichloroethane	1	68.0535	0	50	136*	50	130
Carbon Tetrachloride	1	70.2095	0	50	140*	50	130
Vinyl Acetate	1	56.1159	0	50	112	50	130
Bromodichloromethane	1	56.7682	0	50	114	50	130
Methylcyclohexane	1	68.8165	0	50	138*	50	130
Dibromomethane	1	44.5757	0	50	89	50	130
1,2-Dichloropropane	1	52.3681	0	50	105	50	130
Trichloroethene	1	59.1732	0	50	118	50	130
Benzene	1	60.5457	0	50	121	50	130
tert-Amyl methyl ether	1	49.2984	0	50	99	50	130
Iso-propylacetate	1	44.7093	0	50	89	50	130
Methyl methacrylate	1	45.8707	0	50	92	50	130
Dibromochloromethane	1	49.9523	0	50	100	50	130
2-Chloroethylvinylether	1	43.9061	0	50	88	50	130
cis-1,3-Dichloropropene	1	57.1091	0	50	114	50	130
trans-1,3-Dichloropropene	1	54.3296	0	50	109	50	130
Ethyl methacrylate	1	43.1418	0	50	86	50	130
1,1,2-Trichloroethane	1	47.5223	0	50	95	50	130
1,2-Dibromoethane	1	47.6517	0	50	95	50	130
1,3-Dichloropropane	1	50.3958	0	50	101	50	130
4-Methyl-2-Pentanone	1	42.1684	0	50	84	20	130
2-Hexanone	1	39.8582	0	50	80	20	130
Tetrachloroethene	1	61.4063	0	50	123	50	130
Toluene	1	59.7524	0	50	120	50	130
1,1,1,2-Tetrachloroethane	1	52.3581	0	50	105	50	130
Chlorobenzene	1	54.3503	0	50	109	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93494

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	41.0143	0	50	82	50	130
n-Amyl acetate	1	42.7274	0	50	85	50	130
Bromoform	1	43.4665	0	50	87	20	130
Ethylbenzene	1	62.4879	0	50	125	50	130
1,1,2,2-Tetrachloroethane	1	41.5325	0	50	83	50	130
Styrene	1	55.4355	0	50	111	50	130
m&p-Xylenes	1	122.92	0	100	123	50	130
o-Xylene	1	59.2568	0	50	119	50	130
trans-1,4-Dichloro-2-butene	1	53.8746	0	50	108	20	130
1,3-Dichlorobenzene	1	54.0092	0	50	108	50	130
1,4-Dichlorobenzene	1	51.4546	0	50	103	50	130
1,2-Dichlorobenzene	1	48.825	0	50	98	50	130
Isopropylbenzene	1	61.2291	0	50	122	50	130
Cyclohexanone	1	224.9323	0	250	90	50	130
Camphene	1	62.8153	0	50	126	50	130
1,2,3-Trichloropropane	1	44.6659	0	50	89	50	130
2-Chlorotoluene	1	59.5631	0	50	119	50	130
p-Ethyltoluene	1	58.3274	0	50	117	50	130
4-Chlorotoluene	1	57.0602	0	50	114	50	130
n-Propylbenzene	1	62.1153	0	50	124	50	130
Bromobenzene	1	51.3697	0	50	103	50	130
1,3,5-Trimethylbenzene	1	64.3817	0	50	129	50	130
Butyl methacrylate	1	46.8394	0	50	94	50	130
t-Butylbenzene	1	61.2931	0	50	123	50	130
1,2,4-Trimethylbenzene	1	59.6822	0	50	119	50	130
sec-Butylbenzene	1	62.8847	0	50	126	50	130
4-Isopropyltoluene	1	61.0521	0	50	122	50	130
n-Butylbenzene	1	64.0618	0	50	128	50	130
p-Diethylbenzene	1	57.6087	0	50	115	50	130
1,2,4,5-Tetramethylbenzene	1	53.8439	0	50	108	50	130
1,2-Dibromo-3-Chloropropane	1	40.285	0	50	81	50	130
Camphor	1	398.6811	0	500	80	50	130
Hexachlorobutadiene	1	55.3103	0	50	111	50	130
1,2,4-Trichlorobenzene	1	49.3818	0	50	99	50	130
1,2,3-Trichlorobenzene	1	47.0684	0	50	94	50	130
Naphthalene	1	46.3003	0	50	93	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93494

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M148868.D	AD23575-003(MS)	5/25/2021 4:46:00 PM
Non Spike(If applicable):	1M148864.D	AD23575-003	5/25/2021 3:25:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	43.4862	0	50	87	20	130
Dichlorodifluoromethane	1	35.6365	0	50	71	20	130
Chloromethane	1	33.2895	0	50	67	20	130
Bromomethane	1	50.7384	0	50	101	20	130
Vinyl Chloride	1	44.1038	0	50	88	20	130
Chloroethane	1	52.5163	0	50	105	20	130
Trichlorofluoromethane	1	53.694	0	50	107	20	130
Ethyl ether	1	39.3416	0	50	79	50	130
Furan	1	45.4388	0	50	91	50	130
1,1,2-Trichloro-1,2,2-trifluoroethane	1	61.164	0	50	122	50	130
Methylene Chloride	1	44.445	0	50	89	50	130
Acrolein	1	136.8077	0	200	68	20	130
Acrylonitrile	1	31.3179	0	50	63	20	130
Iodomethane	1	51.8154	0	50	104	50	130
Acetone	1	152.9408	0	200	76	20	130
Carbon Disulfide	1	51.8442	0	50	104	50	130
t-Butyl Alcohol	1	147.2591	0	200	74	20	130
n-Hexane	1	58.556	0	50	117	50	130
Di-isopropyl-ether	1	39.5053	0	50	79	50	130
1,1-Dichloroethene	1	52.3921	0	50	105	50	130
Methyl Acetate	1	30.4059	0	50	61	50	130
Methyl-t-butyl ether	1	39.8043	0	50	80	50	130
1,1-Dichloroethane	1	47.1052	0	50	94	50	130
trans-1,2-Dichloroethene	1	54.0856	0	50	108	50	130
Ethyl-t-butyl ether	1	38.6508	0	50	77	50	130
cis-1,2-Dichloroethene	1	39.8218	0	50	80	50	130
Bromochloromethane	1	33.8393	0	50	68	50	130
2,2-Dichloropropane	1	49.9962	0	50	100	50	130
Ethyl acetate	1	29.7676	0	50	60	50	130
1,4-Dioxane	1	1315.36	0	2500	53	50	130
1,1-Dichloropropene	1	45.7814	0	50	92	50	130
Chloroform	1	39.5228	0	50	79	50	130
Cyclohexane	1	43.5322	0	50	87	50	130
1,2-Dichloroethane	1	34.3351	0	50	69	50	130
2-Butanone	1	27.7746	0	50	56	20	130
1,1,1-Trichloroethane	1	45.6796	0	50	91	50	130
Carbon Tetrachloride	1	45.8036	0	50	92	50	130
Vinyl Acetate	1	34.1699	0	50	68	50	130
Bromodichloromethane	1	36.3725	0	50	73	50	130
Methylcyclohexane	1	50.6432	0	50	101	50	130
Dibromomethane	1	34.3469	0	50	69	50	130
1,2-Dichloropropane	1	35.59	0	50	71	50	130
Trichloroethene	1	41.5423	0	50	83	50	130
Benzene	1	40.1203	0	50	80	50	130
tert-Amyl methyl ether	1	37.0908	0	50	74	50	130
Iso-propylacetate	1	28.759	0	50	58	50	130
Methyl methacrylate	1	30.8991	0	50	62	50	130
Dibromochloromethane	1	35.3222	0	50	71	50	130
2-Chloroethylvinylether	1	34.0528	0	50	68	50	130
cis-1,3-Dichloropropene	1	38.8504	0	50	78	50	130
trans-1,3-Dichloropropene	1	35.7391	0	50	71	50	130
Ethyl methacrylate	1	30.6185	0	50	61	50	130
1,1,2-Trichloroethane	1	35.164	0	50	70	50	130
1,2-Dibromoethane	1	33.7291	0	50	67	50	130
1,3-Dichloropropane	1	35.6875	0	50	71	50	130
4-Methyl-2-Pentanone	1	27.0086	0	50	54	20	130
2-Hexanone	1	26.4595	0	50	53	20	130
Tetrachloroethene	1	40.9034	0	50	82	50	130
Toluene	1	39.3698	0	50	79	50	130
1,1,1,2-Tetrachloroethane	1	36.8401	0	50	74	50	130
Chlorobenzene	1	35.197	0	50	70	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93494

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	29.9447	0	50	60	50	130
n-Amyl acetate	1	28.2374	0	50	56	50	130
Bromoform	**1**	**29.879**	**0**	**50**	**60**	**20**	**130**
Ethylbenzene	**1**	**39.2924**	**0**	**50**	**79**	**50**	**130**
1,1,2,2-Tetrachloroethane	**1**	**26.6892**	**0**	**50**	**53**	**50**	**130**
Styrene	**1**	**35.6788**	**0**	**50**	**71**	**50**	**130**
m&p-Xylenes	**1**	**76.7197**	**0**	**100**	**77**	**50**	**130**
o-Xylene	**1**	**37.4075**	**0**	**50**	**75**	**50**	**130**
trans-1,4-Dichloro-2-butene	1	28.2065	0	50	56	20	130
1,3-Dichlorobenzene	**1**	**32.4217**	**0**	**50**	**65**	**50**	**130**
1,4-Dichlorobenzene	**1**	**31.1067**	**0**	**50**	**62**	**50**	**130**
1,2-Dichlorobenzene	**1**	**30.4879**	**0**	**50**	**61**	**50**	**130**
Isopropylbenzene	**1**	**39.0194**	**0**	**50**	**78**	**50**	**130**
Cyclohexanone	1	155.4484	0	250	62	50	130
Camphene	1	38.0345	0	50	76	50	130
1,2,3-Trichloropropane	1	28.1582	0	50	56	50	130
2-Chlorotoluene	1	34.2778	0	50	69	50	130
p-Ethyltoluene	1	37.6557	0	50	75	50	130
4-Chlorotoluene	1	33.0871	0	50	66	50	130
n-Propylbenzene	1	36.6966	0	50	73	50	130
Bromobenzene	1	30.4874	0	50	61	50	130
1,3,5-Trimethylbenzene	1	40.7585	0	50	82	50	130
Butyl methacrylate	1	34.1998	0	50	68	50	130
t-Butylbenzene	1	38.7358	0	50	77	50	130
1,2,4-Trimethylbenzene	1	37.3051	0	50	75	50	130
sec-Butylbenzene	1	38.4454	0	50	77	50	130
4-Isopropyltoluene	1	38.4387	0	50	77	50	130
n-Butylbenzene	1	37.9495	0	50	76	50	130
p-Diethylbenzene	1	53.301	0	50	107	50	130
1,2,4,5-Tetramethylbenzene	1	43.3529	0	50	87	50	130
1,2-Dibromo-3-Chloropropane	**1**	**26.2905**	**0**	**50**	**53**	**50**	**130**
Camphor	1	293.2633	0	500	59	50	130
Hexachlorobutadiene	1	33.8065	0	50	68	50	130
1,2,4-Trichlorobenzene	**1**	**31.1231**	**0**	**50**	**62**	**50**	**130**
1,2,3-Trichlorobenzene	**1**	**29.5466**	**0**	**50**	**59**	**50**	**130**
Naphthalene	1	30.7439	0	50	61	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93494

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M148869.D	AD23575-003(MSD)	5/25/2021 5:06:00 PM
Non Spike(If applicable):	1M148864.D	AD23575-003	5/25/2021 3:25:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	57.5583	0	50	115	20	130
Dichlorodifluoromethane	1	50.6687	0	50	101	20	130
Chloromethane	1	43.8426	0	50	88	20	130
Bromomethane	1	76.0743	0	50	152*	20	130
Vinyl Chloride	1	60.4318	0	50	121	20	130
Chloroethane	1	72.9886	0	50	146*	20	130
Trichlorofluoromethane	1	71.924	0	50	144*	20	130
Ethyl ether	1	53.0097	0	50	106	50	130
Furan	1	58.4784	0	50	117	50	130
1,1,2-Trichloro-1,2,2-trifluoroethane	1	83.8064	0	50	168*	50	130
Methylene Chloride	1	60.9401	0	50	122	50	130
Acrolein	1	182.4764	0	200	91	20	130
Acrylonitrile	1	37.6028	0	50	75	20	130
Iodomethane	1	74.7855	0	50	150*	50	130
Acetone	1	178.6336	0	200	89	20	130
Carbon Disulfide	1	73.6027	0	50	147*	50	130
t-Butyl Alcohol	1	182.2982	0	200	91	20	130
n-Hexane	1	78.8267	0	50	158*	50	130
Di-isopropyl-ether	1	53.1084	0	50	106	50	130
1,1-Dichloroethene	1	68.9258	0	50	138*	50	130
Methyl Acetate	1	39.5984	0	50	79	50	130
Methyl-t-butyl ether	1	52.737	0	50	105	50	130
1,1-Dichloroethane	1	63.3421	0	50	127	50	130
trans-1,2-Dichloroethene	1	74.2228	0	50	148*	50	130
Ethyl-t-butyl ether	1	52.5755	0	50	105	50	130
cis-1,2-Dichloroethene	1	53.8535	0	50	108	50	130
Bromochloromethane	1	44.8668	0	50	90	50	130
2,2-Dichloropropane	1	67.6448	0	50	135*	50	130
Ethyl acetate	1	32.6273	0	50	65	50	130
1,4-Dioxane	1	1785.783	0	2500	71	50	130
1,1-Dichloropropene	1	64.9887	0	50	130	50	130
Chloroform	1	54.2447	0	50	108	50	130
Cyclohexane	1	61.7231	0	50	123	50	130
1,2-Dichloroethane	1	45.4233	0	50	91	50	130
2-Butanone	1	42.1036	0	50	84	20	130
1,1,1-Trichloroethane	1	63.0611	0	50	126	50	130
Carbon Tetrachloride	1	64.3873	0	50	129	50	130
Vinyl Acetate	1	45.4477	0	50	91	50	130
Bromodichloromethane	1	51.7434	0	50	103	50	130
Methylcyclohexane	1	72.2146	0	50	144*	50	130
Dibromomethane	1	47.8517	0	50	96	50	130
1,2-Dichloropropane	1	50.6145	0	50	101	50	130
Trichloroethene	1	60.9711	0	50	122	50	130
Benzene	1	57.5164	0	50	115	50	130
tert-Amyl methyl ether	1	50.4977	0	50	101	50	130
Iso-propylacetate	1	37.3235	0	50	75	50	130
Methyl methacrylate	1	38.5178	0	50	77	50	130
Dibromochloromethane	1	49.7234	0	50	99	50	130
2-Chloroethylvinylether	1	45.2561	0	50	91	50	130
cis-1,3-Dichloropropene	1	54.55	0	50	109	50	130
trans-1,3-Dichloropropene	1	49.5946	0	50	99	50	130
Ethyl methacrylate	1	40.5016	0	50	81	50	130
1,1,2-Trichloroethane	1	46.9509	0	50	94	50	130
1,2-Dibromoethane	1	47.4872	0	50	95	50	130
1,3-Dichloropropane	1	47.496	0	50	95	50	130
4-Methyl-2-Pentanone	1	34.7942	0	50	70	20	130
2-Hexanone	1	35.0163	0	50	70	20	130
Tetrachloroethene	1	63.2131	0	50	126	50	130
Toluene	1	56.9638	0	50	114	50	130
1,1,1,2-Tetrachloroethane	1	52.7702	0	50	106	50	130
Chlorobenzene	1	52.5165	0	50	105	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93494

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	43.2264	0	50	86	50	130
n-Amyl acetate	1	39.5283	0	50	79	50	130
Bromoform	**1**	**44.3483**	**0**	**50**	**89**	**20**	**130**
Ethylbenzene	**1**	**60.2563**	**0**	**50**	**121**	**50**	**130**
1,1,2,2-Tetrachloroethane	**1**	**37.5412**	**0**	**50**	**75**	**50**	**130**
Styrene	**1**	**55.1916**	**0**	**50**	**110**	**50**	**130**
m&p-Xylenes	**1**	**120.4135**	**0**	**100**	**120**	**50**	**130**
o-Xylene	**1**	**57.7109**	**0**	**50**	**115**	**50**	**130**
trans-1,4-Dichloro-2-butene	1	40.787	0	50	82	20	130
1,3-Dichlorobenzene	**1**	**50.7221**	**0**	**50**	**101**	**50**	**130**
1,4-Dichlorobenzene	**1**	**49.1058**	**0**	**50**	**98**	**50**	**130**
1,2-Dichlorobenzene	**1**	**47.4064**	**0**	**50**	**95**	**50**	**130**
Isopropylbenzene	**1**	**62.457**	**0**	**50**	**125**	**50**	**130**
Cyclohexanone	1	190.3657	0	250	76	50	130
Camphene	1	61.6205	0	50	123	50	130
1,2,3-Trichloropropane	1	38.6047	0	50	77	50	130
2-Chlorotoluene	1	55.3822	0	50	111	50	130
p-Ethyltoluene	1	56.9571	0	50	114	50	130
4-Chlorotoluene	1	52.4631	0	50	105	50	130
n-Propylbenzene	1	57.8349	0	50	116	50	130
Bromobenzene	1	49.0164	0	50	98	50	130
1,3,5-Trimethylbenzene	1	63.1285	0	50	126	50	130
Butyl methacrylate	1	46.9901	0	50	94	50	130
t-Butylbenzene	1	60.9273	0	50	122	50	130
1,2,4-Trimethylbenzene	1	56.451	0	50	113	50	130
sec-Butylbenzene	1	60.3982	0	50	121	50	130
4-Isopropyltoluene	1	60.4193	0	50	121	50	130
n-Butylbenzene	1	56.6533	0	50	113	50	130
p-Diethylbenzene	1	61.6742	0	50	123	50	130
1,2,4,5-Tetramethylbenzene	1	59.6991	0	50	119	50	130
1,2-Dibromo-3-Chloropropane	**1**	**37.9936**	**0**	**50**	**76**	**50**	**130**
Camphor	1	405.5371	0	500	81	50	130
Hexachlorobutadiene	1	54.2072	0	50	108	50	130
1,2,4-Trichlorobenzene	**1**	**48.8226**	**0**	**50**	**98**	**50**	**130**
1,2,3-Trichlorobenzene	**1**	**46.6778**	**0**	**50**	**93**	**50**	**130**
Naphthalene	1	44.2927	0	50	89	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS93494

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M148869.D	AD23575-003(MSD)	5/25/2021 5:06:00 PM
Duplicate(If applicable):	1M148868.D	AD23575-003(MS)	5/25/2021 4:46:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	57.5583	43.4862	28	30
Dichlorodifluoromethane	**1**	**50.6687**	**35.6365**	**35***	**30**
Chloromethane	**1**	**43.8426**	**33.2895**	**27**	**30**
Bromomethane	**1**	**76.0743**	**50.7384**	**40***	**30**
Vinyl Chloride	**1**	**60.4318**	**44.1038**	**31**	**40**
Chloroethane	**1**	**72.9886**	**52.5163**	**33***	**30**
Trichlorofluoromethane	**1**	**71.924**	**53.694**	**29**	**30**
Ethyl ether	1	53.0097	39.3416	30	30
Furan	1	58.4784	45.4388	25	30
1,1,2-Trichloro-1,2,2-trifluoroethane	**1**	**83.8064**	**61.164**	**31***	**30**
Methylene Chloride	**1**	**60.9401**	**44.445**	**31***	**30**
Acrolein	1	182.4764	136.8077	29	30
Acrylonitrile	1	37.6028	31.3179	18	30
Iodomethane	1	74.7855	51.8154	36*	30
Acetone	**1**	**178.6336**	**152.9408**	**15**	**30**
Carbon Disulfide	**1**	**73.6027**	**51.8442**	**35***	**30**
t-Butyl Alcohol	1	182.2982	147.2591	21	30
n-Hexane	1	78.8267	58.556	30	30
Di-isopropyl-ether	1	53.1084	39.5053	29	30
1,1-Dichloroethene	**1**	**68.9258**	**52.3921**	**27**	**40**
Methyl Acetate	**1**	**39.5984**	**30.4059**	**26**	**30**
Methyl-t-butyl ether	**1**	**52.737**	**39.8043**	**28**	**30**
1,1-Dichloroethane	**1**	**63.3421**	**47.1052**	**29**	**40**
trans-1,2-Dichloroethene	**1**	**74.2228**	**54.0856**	**31***	**30**
Ethyl-t-butyl ether	1	52.5755	38.6508	31*	30
cis-1,2-Dichloroethene	**1**	**53.8535**	**39.8218**	**30**	**30**
Bromochloromethane	**1**	**44.8668**	**33.8393**	**28**	**30**
2,2-Dichloropropane	1	67.6448	49.9962	30	30
Ethyl acetate	1	32.6273	29.7676	9.2	30
1,4-Dioxane	**1**	**1785.783**	**1315.36**	**30**	**30**
1,1-Dichloropropene	1	64.9887	45.7814	35*	30
Chloroform	**1**	**54.2447**	**39.5228**	**31**	**40**
Cyclohexane	**1**	**61.7231**	**43.5322**	**35***	**30**
1,2-Dichloroethane	**1**	**45.4233**	**34.3351**	**28**	**40**
2-Butanone	**1**	**42.1036**	**27.7746**	**41***	**40**
1,1,1-Trichloroethane	**1**	**63.0611**	**45.6796**	**32***	**30**
Carbon Tetrachloride	**1**	**64.3873**	**45.8036**	**34**	**40**
Vinyl Acetate	1	45.4477	34.1699	28	30
Bromodichloromethane	**1**	**51.7434**	**36.3725**	**35***	**30**
Methylcyclohexane	**1**	**72.2146**	**50.6432**	**35***	**30**
Dibromomethane	1	47.8517	34.3469	33*	30
1,2-Dichloropropane	**1**	**50.6145**	**35.59**	**35***	**30**
Trichloroethene	**1**	**60.9711**	**41.5423**	**38**	**40**
Benzene	**1**	**57.5164**	**40.1203**	**36**	**40**
tert-Amyl methyl ether	1	50.4977	37.0908	31*	30
Iso-propylacetate	1	37.3235	28.759	26	30
Methyl methacrylate	1	38.5178	30.8991	22	30
Dibromochloromethane	**1**	**49.7234**	**35.3222**	**34***	**30**
2-Chloroethylvinylether	1	45.2561	34.0528	28	30
cis-1,3-Dichloropropene	**1**	**54.55**	**38.8504**	**34***	**30**
trans-1,3-Dichloropropene	**1**	**49.5946**	**35.7391**	**32***	**30**
Ethyl methacrylate	1	40.5016	30.6185	28	30
1,1,2-Trichloroethane	**1**	**46.9509**	**35.164**	**29**	**30**
1,2-Dibromoethane	**1**	**47.4872**	**33.7291**	**34***	**30**
1,3-Dichloropropane	1	47.496	35.6875	28	30
4-Methyl-2-Pentanone	**1**	**34.7942**	**27.0086**	**25**	**30**
2-Hexanone	**1**	**35.0163**	**26.4595**	**28**	**30**
Tetrachloroethene	**1**	**63.2131**	**40.9034**	**43***	**40**
Toluene	**1**	**56.9638**	**39.3698**	**37**	**40**
1,1,1,2-Tetrachloroethane	1	52.7702	36.8401	36*	30
Chlorobenzene	**1**	**52.5165**	**35.197**	**39**	**40**

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits

QC Batch: MBS93494

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Butyl acrylate	1	43.2264	29.9447	36*	30
n-Amyl acetate	1	39.5283	28.2374	33*	30
Bromoform	**1**	**44.3483**	**29.879**	**39***	**30**
Ethylbenzene	**1**	**60.2563**	**39.2924**	**42***	**30**
1,1,2,2-Tetrachloroethane	**1**	**37.5412**	**26.6892**	**34***	**30**
Styrene	**1**	**55.1916**	**35.6788**	**43***	**30**
m&p-Xylenes	**1**	**120.4135**	**76.7197**	**44***	**30**
o-Xylene	**1**	**57.7109**	**37.4075**	**43***	**30**
trans-1,4-Dichloro-2-butene	1	40.787	28.2065	36*	30
1,3-Dichlorobenzene	**1**	**50.7221**	**32.4217**	**44***	**30**
1,4-Dichlorobenzene	**1**	**49.1058**	**31.1067**	**45***	**40**
1,2-Dichlorobenzene	**1**	**47.4064**	**30.4879**	**43***	**40**
Isopropylbenzene	**1**	**62.457**	**39.0194**	**46***	**30**
Cyclohexanone	1	190.3657	155.4484	20	30
Camphene	1	61.6205	38.0345	47*	30
1,2,3-Trichloropropane	1	38.6047	28.1582	31*	30
2-Chlorotoluene	1	55.3822	34.2778	47*	30
p-Ethyltoluene	1	56.9571	37.6557	41*	30
4-Chlorotoluene	1	52.4631	33.0871	45*	30
n-Propylbenzene	1	57.8349	36.6966	45*	40
Bromobenzene	1	49.0164	30.4874	47*	30
1,3,5-Trimethylbenzene	1	63.1285	40.7585	43*	30
Butyl methacrylate	1	46.9901	34.1998	32*	30
t-Butylbenzene	1	60.9273	38.7358	45*	30
1,2,4-Trimethylbenzene	1	56.451	37.3051	41*	30
sec-Butylbenzene	1	60.3982	38.4454	44*	40
4-Isopropyltoluene	1	60.4193	38.4387	44*	30
n-Butylbenzene	1	56.6533	37.9495	40*	30
p-Diethylbenzene	1	61.6742	53.301	15	30
1,2,4,5-Tetramethylbenzene	1	59.6991	43.3529	32*	30
1,2-Dibromo-3-Chloropropane	**1**	**37.9936**	**26.2905**	**36***	**30**
Camphor	1	405.5371	293.2633	32*	30
Hexachlorobutadiene	1	54.2072	33.8065	46*	30
1,2,4-Trichlorobenzene	**1**	**48.8226**	**31.1231**	**44***	**30**
1,2,3-Trichlorobenzene	**1**	**46.6778**	**29.5466**	**45***	**30**
Naphthalene	1	44.2927	30.7439	36*	30

* - Indicates outside of limits | NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 11M91238.D
Matrix: Methanol

Blank Analysis Date: 05/17/21 10:00
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260D

Sample Number	Data File	Analysis Date
AD23375-002(8uL)	11M91263.D	05/17/21 18:58
AD23375-003(8uL)	11M91264.D	05/17/21 19:19
AD23375-004(8uL)	11M91265.D	05/17/21 19:41
AD23375-005(8uL)	11M91266.D	05/17/21 20:02
AD23406-005	11M91248.D	05/17/21 13:35
AD23406-005(MS)	11M91256.D	05/17/21 16:27
AD23406-005(MSD	11M91257.D	05/17/21 16:49
MBS92597	11M91244.D	05/17/21 12:09

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 11M91307.D
Matrix: Methanol

Blank Analysis Date: 05/18/21 11:06
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260D

Sample Number	Data File	Analysis Date
AD23375-011(8uL)	11M91331.D	05/18/21 19:43
AD23375-012(8uL)	11M91332.D	05/18/21 20:04
AD23375-013(8uL)	11M91333.D	05/18/21 20:26
MBS92618	11M91329.D	05/18/21 19:00
AD23397-002(MS)	11M91320.D	05/18/21 15:47
AD23397-002(MSD	11M91321.D	05/18/21 16:08
AD23397-002	11M91327.D	05/18/21 18:17

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 11M91344.D
Matrix: Methanol

Blank Analysis Date: 05/19/21 00:23
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260D

Sample Number	Data File	Analysis Date
AD23375-001(8uL)	11M91345.D	05/19/21 00:44
AD23375-008	11M91352.D	05/19/21 03:14
AD23375-014(80uL	11M91355.D	05/19/21 04:19
AD23375-015	11M91354.D	05/19/21 03:57
MBS92620	11M91347.D	05/19/21 01:27
AD23406-010(MSD	11M91348.D	05/19/21 01:48
AD23406-010(MS)	11M91349.D	05/19/21 02:09
AD23406-010	11M91350.D	05/19/21 02:31

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 6M140157.D
Matrix: Soil

Blank Analysis Date: 05/19/21 10:18
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260D

Sample Number	Data File	Analysis Date
AD23375-009	6M140160.D	05/19/21 11:21
AD23353-006(MS)	6M140163.D	05/19/21 12:23
AD23353-006(MSD	6M140164.D	05/19/21 12:44
AD23353-006	6M140166.D	05/19/21 13:26
MBS92624	6M140165.D	05/19/21 13:05

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 11M91401.D
Matrix: Methanol

Blank Analysis Date: 05/19/21 20:30
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260D

Sample Number	Data File	Analysis Date
AD23375-016	11M91419.D	05/20/21 02:57
AD23375-018	11M91421.D	05/20/21 03:40
AD23375-020(8uL)	11M91424.D	05/20/21 04:45
AD23438-001	11M91411.D	05/20/21 00:06
MBS92626	11M91404.D	05/19/21 21:35
AD23438-001(MS)	11M91415.D	05/20/21 01:31
AD23438-001(MSD	11M91416.D	05/20/21 01:52

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 11M91469.D
Matrix: Methanol

Blank Analysis Date: 05/20/21 20:56
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260D

Sample Number	Data File	Analysis Date
AD23375-017	11M91494.D	05/21/21 05:50
MBS93440	11M91472.D	05/20/21 22:00
AD23491-001	11M91476.D	05/20/21 23:25
AD23491-001(MSD	11M91475.D	05/20/21 23:04
AD23491-001(MS)	11M91474.D	05/20/21 22:43

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 11M91507.D
Matrix: Methanol

Blank Analysis Date: 05/21/21 11:05
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260D

Sample Number	Data File	Analysis Date
AD23375-010(8uL)	11M91513.D	05/21/21 13:14
AD23438-009(MS)	11M91527.D	05/21/21 18:20
MBS93449	11M91519.D	05/21/21 15:28
AD23438-009	11M91511.D	05/21/21 12:31
AD23438-009(MSD	11M91528.D	05/21/21 18:41

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 11M91572.D
Matrix: Methanol

Blank Analysis Date: 05/24/21 11:12
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260D

Sample Number	Data File	Analysis Date
AD23375-006(8uL)	11M91593.D	05/24/21 18:43
MBS93465	11M91576.D	05/24/21 12:38
AD23533-001	11M91590.D	05/24/21 17:39
AD23533-001(MS)	11M91594.D	05/24/21 19:04
AD23533-001(MSD	11M91595.D	05/24/21 19:26

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 6M140321.D
Matrix: Soil

Blank Analysis Date: 05/24/21 12:04
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260D

Sample Number	Data File	Analysis Date
AD23375-007	6M140341.D	05/24/21 19:22
AD23511-001(MS)	6M140334.D	05/24/21 16:46
AD23511-001(MSD	6M140335.D	05/24/21 17:08
MBS93466	6M140324.D	05/24/21 13:08
AD23511-001	6M140330.D	05/24/21 15:17

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 1M148861.D
Matrix: Soil

Blank Analysis Date: 05/25/21 14:18
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260D

Sample Number	Data File	Analysis Date
AD23375-019	1M148862.D	05/25/21 14:44
MBS93494	1M148865.D	05/25/21 15:45
AD23575-003(MS)	1M148868.D	05/25/21 16:46
AD23575-003	1M148864.D	05/25/21 15:25
AD23575-003(MSD	1M148869.D	05/25/21 17:06

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 11
Data File: 11M90040.D
Analysis Date: 04/08/21 14:04
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.144 to 7.151 min

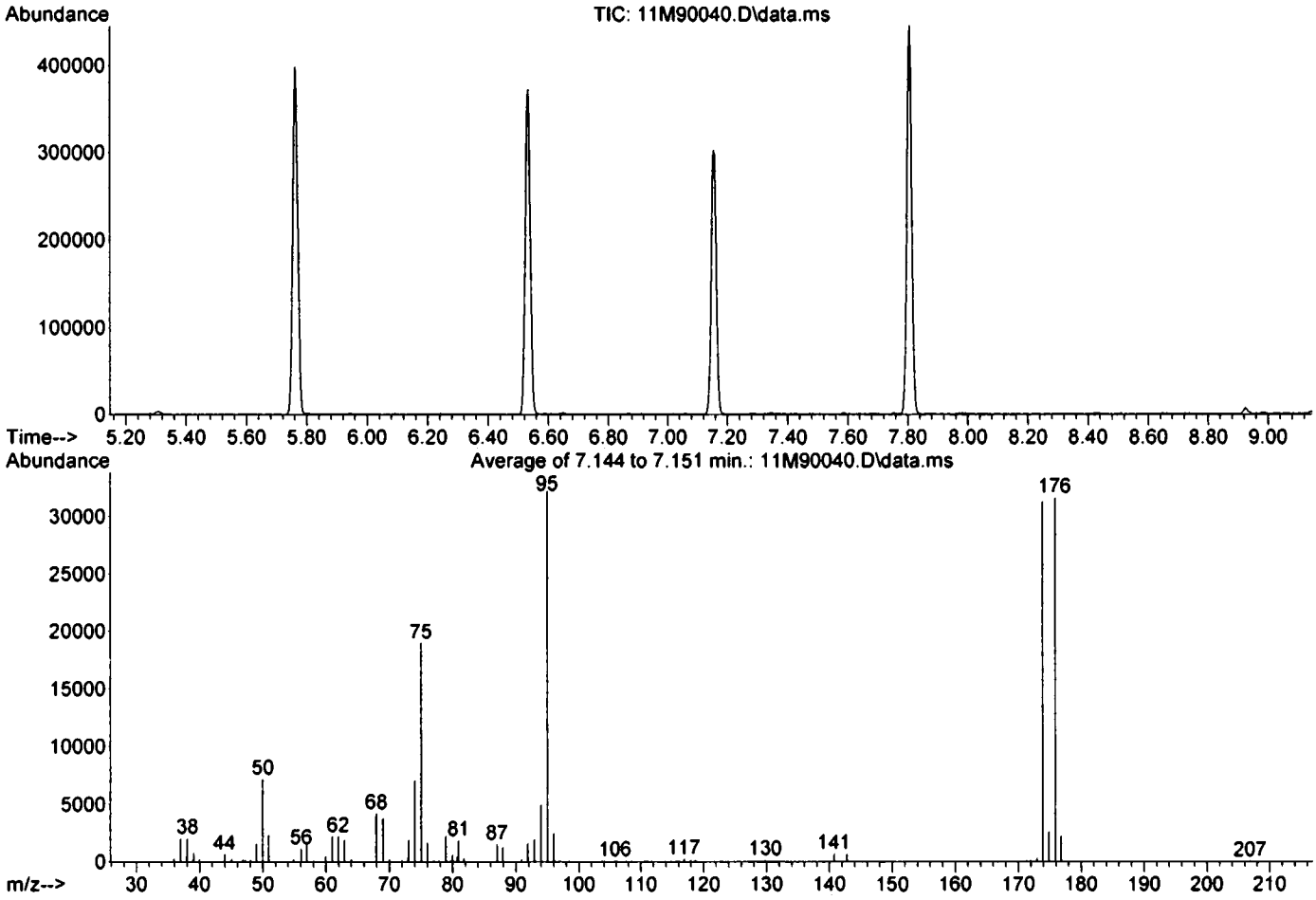
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	22.3	7201	PASS
75	95	30	60	59.0	19003	PASS
95	95	100	100	100.0	32229	PASS
96	95	5	9	7.8	2501	PASS
173	174	0.00	2	1.0	313	PASS
174	95	50	100	97.2	31320	PASS
175	174	5	9	8.4	2635	PASS
176	174	95	101	100.9	31613	PASS
177	176	5	9	7.0	2223	PASS

Data File	Sample Number	Analysis Date:
11M90042.D	CAL @ 0.5 PPB	04/08/21 14:37
11M90043.D	CAL @ 1 PPB	04/08/21 14:58
11M90044.D	CAL @ 5 PPB	04/08/21 15:18
11M90045.D	CAL @ 10 PPB	04/08/21 15:38
11M90046.D	CAL @ 20 PPB	04/08/21 15:58
11M90047.D	CAL @ 50 PPB	04/08/21 16:19
11M90048.D	CAL @ 500 PPB	04/08/21 16:39
11M90051.D	CAL @ 250 PPB	04/08/21 17:39
11M90054.D	CAL @ 100 PPB	04/08/21 18:39
11M90058.D	ICV	04/08/21 20:21
11M90060.D	BLK	04/08/21 21:01
11M90061.D	BLK	04/08/21 21:21
11M90063.D	DAILY BLANK	04/08/21 22:01
11M90064.D	DAILY BLANK	04/08/21 22:21
11M90065.D	MDL @ 1 PPB	04/08/21 22:42
11M90066.D	MDL @ 1 PPB	04/08/21 23:02

Data Path : G:\GcMsData\2021\GCMS_11\Data\04-08-21\
Data File : 11M90040.D
Acq On : 8 Apr 2021 14:04
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 4 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2021\GCMS_11\MethodQt\11M_A0211.M
Title : @GCMS_11,ug,624,8260
Last Update : Thu Feb 11 15:00:31 2021



Spectrum Information: Average of 7.144 to 7.151 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.3	7201	PASS
75	95	30	60	59.0	19003	PASS
95	95	100	100	100.0	32229	PASS
96	95	5	9	7.8	2501	PASS
173	174	0.00	2	1.0	313	PASS
174	95	50	100	97.2	31320	PASS
175	174	5	9	8.4	2635	PASS
176	174	95	101	100.9	31613	PASS
177	176	5	9	7.0	2223	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 6
Data File: 6M139682.D
Analysis Date: 05/05/21 19:41
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.379 to 7.385 min

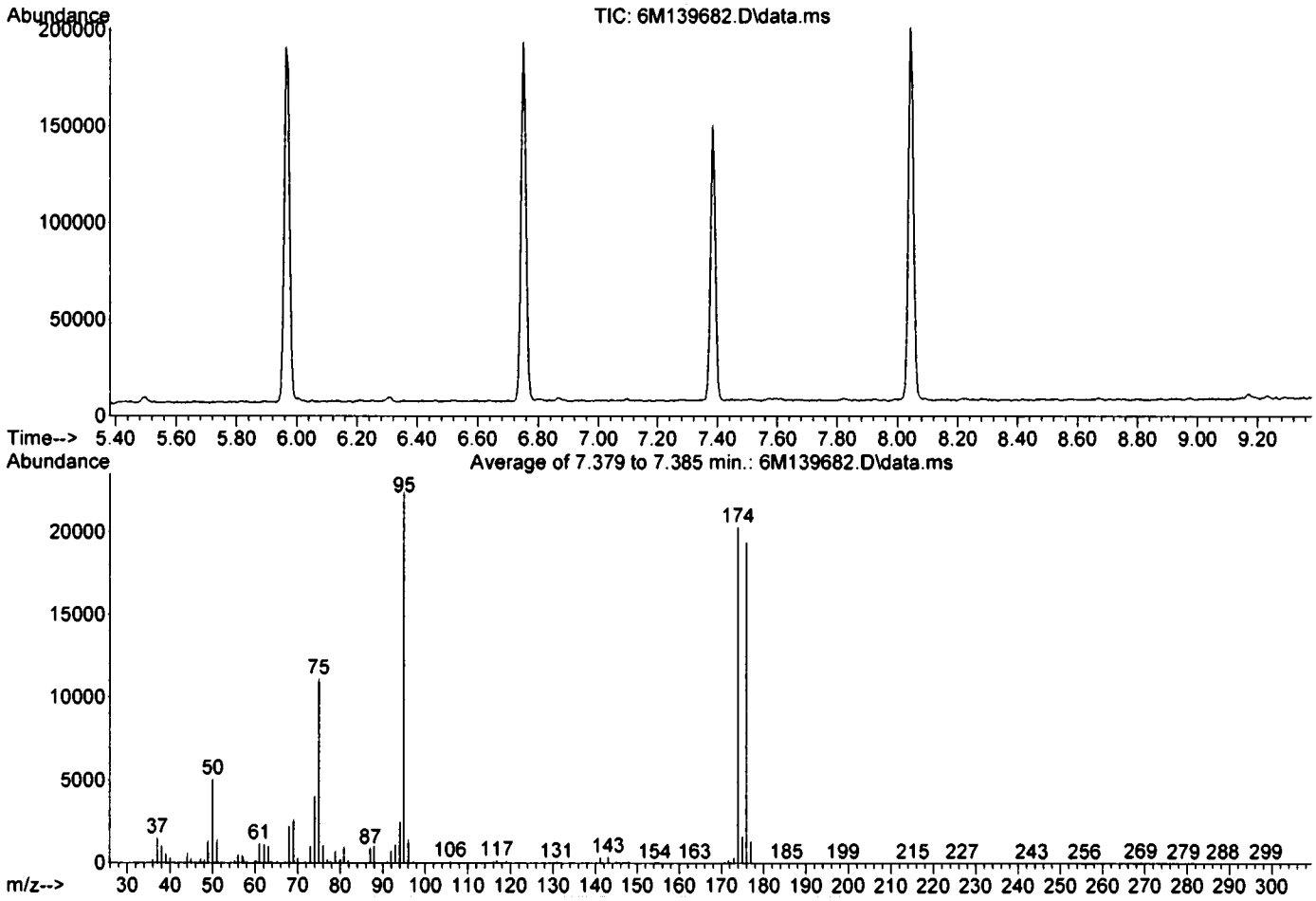
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	22.6	5072	PASS
75	95	30	60	49.7	11133	PASS
95	95	100	100	100.0	22392	PASS
96	95	5	9	6.4	1438	PASS
173	174	0.00	2	1.6	326	PASS
174	95	50	100	90.7	20307	PASS
175	174	5	9	8.0	1621	PASS
176	174	95	101	95.5	19385	PASS
177	176	5	9	6.8	1312	PASS

Data File	Sample Number	Analysis Date:
6M139683.D	CAL @ 500 PPB	05/05/21 19:56
6M139686.D	CAL @ 250 PPB	05/05/21 20:59
6M139689.D	CAL @ 100 PPB	05/05/21 22:02
6M139692.D	CAL @ 50 PPB	05/05/21 23:04
6M139694.D	CAL @ 20 PPB	05/05/21 23:46
6M139696.D	CAL @ 5 PPB	05/06/21 00:28
6M139697.D	CAL @ 2 PPB	05/06/21 00:49
6M139698.D	CAL @ 1 PPB	05/06/21 01:10
6M139699.D	CAL @ 0.5 PPB	05/06/21 01:31
6M139700.D	ICV	05/06/21 01:51
6M139701.D	STD	05/06/21 02:12
6M139702.D	BLK	05/06/21 02:33
6M139703.D	BLK	05/06/21 02:54

Data Path : G:\GcMsData\2021\GCMS_6\Data\05-05-21\
Data File : 6M139682.D
Acq On : 05 May 2021 19:41
Operator : WP
Sample : BFB TUNE
Misc : S,5G
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2021\GCMS_6\MethodQt\6M_S0409.M
Title : @GCMS_6,ug,624,8260
Last Update : Mon Apr 12 17:51:56 2021



Spectrum Information: Average of 7.379 to 7.385 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.6	5072	PASS
75	95	30	60	49.7	11133	PASS
95	95	100	100	100.0	22392	PASS
96	95	5	9	6.4	1438	PASS
173	174	0.00	2	1.6	326	PASS
174	95	50	100	90.7	20307	PASS
175	174	5	9	8.0	1621	PASS
176	174	95	101	95.5	19385	PASS
177	176	5	9	6.8	1312	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1
Data File: 1M148532.D
Analysis Date: 05/18/21 15:54
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.577 to 7.609 min

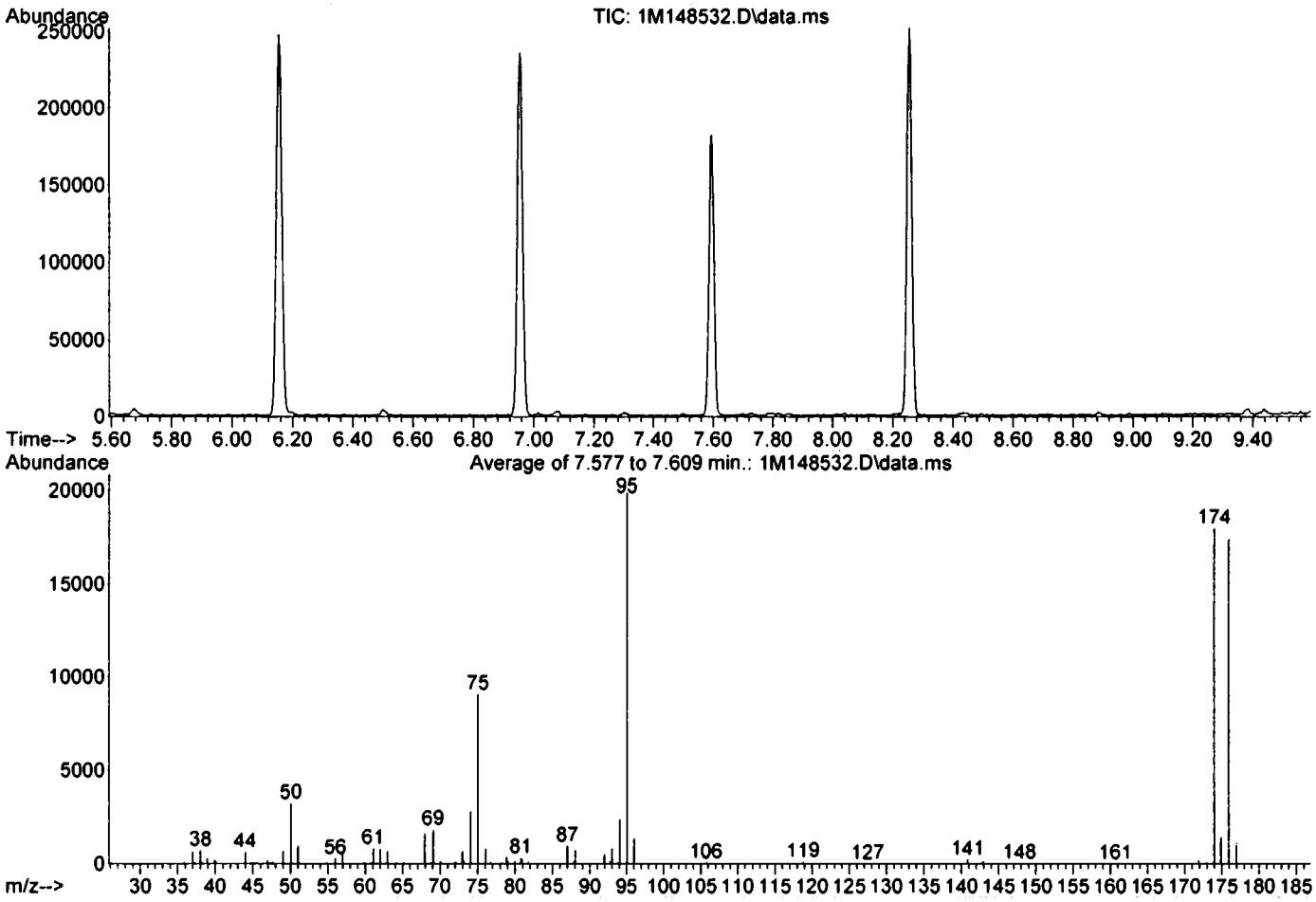
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	16.3	3244	PASS
75	95	30	60	45.7	9086	PASS
95	95	100	100	100.0	19876	PASS
96	95	5	9	6.9	1379	PASS
173	174	0.00	2	0.5	95	PASS
174	95	50	100	90.5	17997	PASS
175	174	5	9	7.9	1425	PASS
176	174	95	101	96.8	17421	PASS
177	176	5	9	6.5	1133	PASS

Data File	Sample Number	Analysis Date:
1M148535.D	CAL @ 0.5 PPB	05/18/21 16:50
1M148536.D	CAL @1 PPB	05/18/21 17:10
1M148537.D	CAL @ 5 PPB	05/18/21 17:30
1M148538.D	CAL @ 2 PPB	05/18/21 17:50
1M148539.D	CAL @ 20 PPB	05/18/21 18:11
1M148541.D	CAL @ 50 PPB	05/18/21 18:51
1M148543.D	CAL @100 PPB	05/18/21 19:32
1M148546.D	CAL @ 250 PPB	05/18/21 20:32
1M148549.D	CAL @ 500 PPB	05/18/21 21:33
1M148554.D	ICV	05/18/21 23:15
1M148555.D	50 PPB	05/18/21 23:35
1M148557.D	BLK	05/19/21 00:15
1M148560.D	DAILY BLANK	05/19/21 01:16
1M148561.D	1 PPB	05/19/21 01:36
1M148562.D	MDL @ 1 PPB	05/19/21 01:57
1M148563.D	MDL @ 1 PPB	05/19/21 02:17
1M148564.D	MDL @ 1 PPB	05/19/21 02:37
1M148565.D	BLK	05/19/21 02:58

Data Path : G:\GcMsData\2021\GCMS_1\Data\05-18-21\
Data File : 1M148532.D
Acq On : 18 May 2021 15:54
Operator : WP
Sample : BFB TUNE
Misc : S,5G
ALS Vial : 3 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2021\GCMS_1\MethodQt\1M_S0330.M
Title : @GCMS_1,ug,624,8260
Last Update : Tue Mar 30 18:06:48 2021



Spectrum Information: Average of 7.577 to 7.609 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.3	3244	PASS
75	95	30	60	45.7	9086	PASS
95	95	100	100	100.0	19876	PASS
96	95	5	9	6.9	1379	PASS
173	174	0.00	2	0.5	95	PASS
174	95	50	100	90.5	17997	PASS
175	174	5	9	7.9	1425	PASS
176	174	95	101	96.8	17421	PASS
177	176	5	9	6.5	1133	PASS

Form 5

Tune Name: BFB TUNE **Data File:** 6M140242.D
Instrument: GCMS 6 **Analysis Date:** 05/20/21 15:53
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.385 to 7.397 min

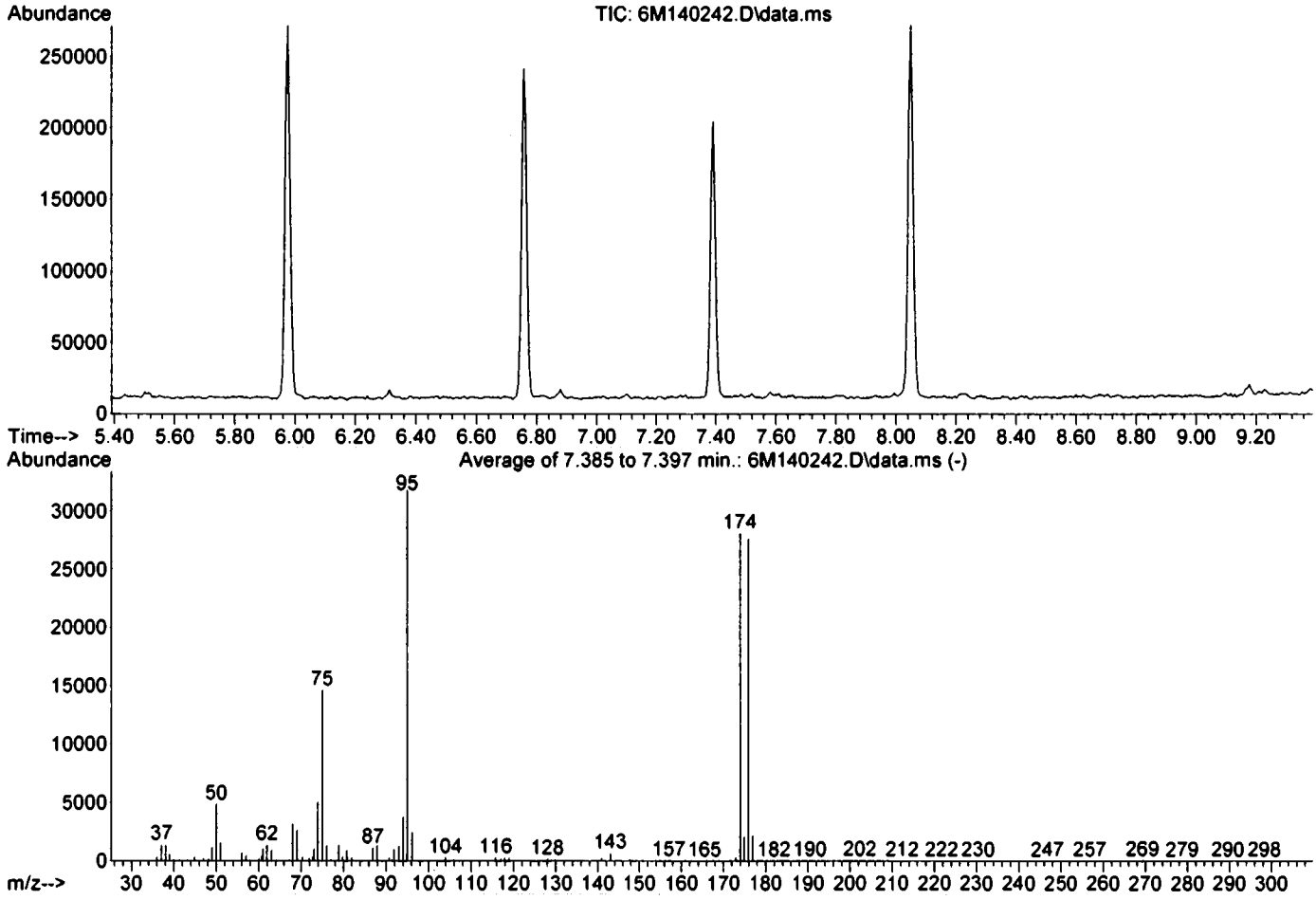
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	15.4	4887	PASS
75	95	30	60	46.1	14668	PASS
95	95	100	100	100.0	31793	PASS
96	95	5	9	7.7	2455	PASS
173	174	0.00	2	1.1	307	PASS
174	95	50	100	88.4	28114	PASS
175	174	5	9	7.3	2045	PASS
176	174	95	101	98.3	27643	PASS
177	176	5	9	7.9	2181	PASS

Data File	Sample Number	Analysis Date:
6M140243.D	BLK	05/20/21 16:09
6M140244.D	50 PPB	05/20/21 16:31
6M140247.D	CAL @ 0.5 PPB	05/20/21 17:35
6M140248.D	CAL @ 1 PPB	05/20/21 17:57
6M140249.D	CAL @ 2 PPB	05/20/21 18:18
6M140250.D	CAL @ 5 PPB	05/20/21 18:40
6M140251.D	CAL @ 20 PPB	05/20/21 19:01
6M140252.D	CAL @ 50 PPB	05/20/21 19:22
6M140254.D	CAL @ 100 PPB	05/20/21 20:05
6M140255.D	CAL @ 250 PPB	05/20/21 20:27
6M140257.D	CAL @ 500 PPB	05/20/21 21:10
6M140263.D	ICV	05/20/21 23:18

Data Path : G:\GcMsData\2021\GCMS_6\Data\05-20-21\
Data File : 6M140242.D
Acq On : 20 May 2021 15:53
Operator : WP
Sample : BFB TUNE
Misc : S,5G
ALS Vial : 18 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2021\GCMS_6\MethodQt\6M_S0520.M
Title : @GCMS_6,ug,624,8260
Last Update : Fri May 21 10:15:52 2021



Spectrum Information: Average of 7.385 to 7.397 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.4	4887	PASS
75	95	30	60	46.1	14668	PASS
95	95	100	100	100.0	31793	PASS
96	95	5	9	7.7	2455	PASS
173	174	0.00	2	1.1	307	PASS
174	95	50	100	88.4	28114	PASS
175	174	5	9	7.3	2045	PASS
176	174	95	101	98.3	27643	PASS
177	176	5	9	7.9	2181	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 11
Data File: 11M91233.D
Analysis Date: 05/17/21 08:05
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.148 to 7.160 min

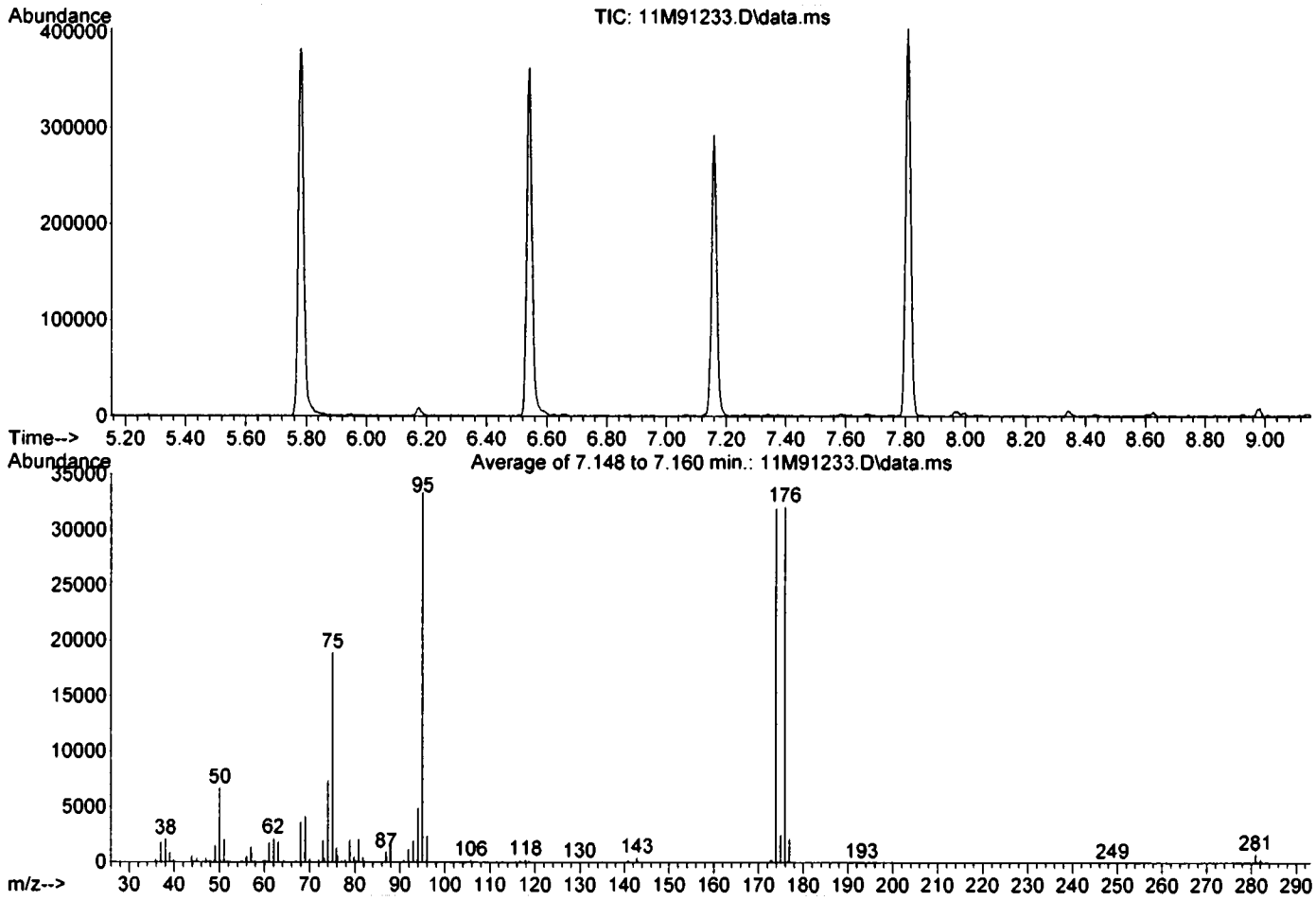
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.2	6747	PASS
75	95	30	60	56.7	18944	PASS
95	95	100	100	100.0	33419	PASS
96	95	5	9	7.3	2429	PASS
173	174	0.00	2	0.9	277	PASS
174	95	50	100	95.8	32002	PASS
175	174	5	9	7.9	2532	PASS
176	174	95	101	100.5	32171	PASS
177	176	5	9	6.7	2171	PASS

Data File	Sample Number	Analysis Date:
11M91234.D	20 PPB	05/17/21 08:26
11M91235.D	CAL @ 20 PPB	05/17/21 08:56
11M91236.D	BLK-DI	05/17/21 09:17
11M91237.D	BLK-2	05/17/21 09:39
11M91238.D	DAILY BLANK	05/17/21 10:00
11M91239.D	DAILY BLANK	05/17/21 10:22
11M91240.D	AD23380-002	05/17/21 10:43
11M91241.D	AD23374-003	05/17/21 11:05
11M91242.D	AD23374-001	05/17/21 11:26
11M91243.D	MBS92596	05/17/21 11:48
11M91244.D	MBS92597	05/17/21 12:09
11M91245.D	BLK	05/17/21 12:31
11M91246.D	AD23380-001	05/17/21 12:52
11M91247.D	AD23380-002(MS)	05/17/21 13:14
11M91248.D	AD23406-005	05/17/21 13:35
11M91249.D	AD23292-001	05/17/21 13:57
11M91250.D	AD23380-002(MSD	05/17/21 14:18
11M91251.D	BLK	05/17/21 14:40
11M91252.D	AD23371-003	05/17/21 15:01
11M91253.D	AD23371-004	05/17/21 15:23
11M91254.D	AD23371-001	05/17/21 15:45
11M91255.D	AD23360-012	05/17/21 16:06
11M91256.D	AD23406-005(MS)	05/17/21 16:27
11M91257.D	AD23406-005(MSD	05/17/21 16:49
11M91258.D	BLK	05/17/21 17:10
11M91259.D	AD23360-004	05/17/21 17:32
11M91260.D	AD23360-005	05/17/21 17:53
11M91261.D	AD23360-013	05/17/21 18:15
11M91262.D	AD23360-015	05/17/21 18:36
11M91263.D	AD23375-002(8uL)	05/17/21 18:58
11M91264.D	AD23375-003(8uL)	05/17/21 19:19
11M91265.D	AD23375-004(8uL)	05/17/21 19:41
11M91266.D	AD23375-005(8uL)	05/17/21 20:02
11M91267.D	AD23375-006(8uL)	05/17/21 20:24
11M91268.D	BLK	05/17/21 20:45

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-17-21\
Data File : 11M91233.D
Acq On : 17 May 2021 8:05
Operator : SG
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2021\GCMS_11\MethodQt\11M_A0408.M
Title : @GCMS_11,ug,624,8260
Last Update : Fri Apr 09 09:49:46 2021



Spectrum Information: Average of 7.148 to 7.160 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.2	6747	PASS
75	95	30	60	56.7	18944	PASS
95	95	100	100	100.0	33419	PASS
96	95	5	9	7.3	2429	PASS
173	174	0.00	2	0.9	277	PASS
174	95	50	100	95.8	32002	PASS
175	174	5	9	7.9	2532	PASS
176	174	95	101	100.5	32171	PASS
177	176	5	9	6.7	2171	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 11
Data File: 11M91301.D
Analysis Date: 05/18/21 09:06
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.144 to 7.157 min

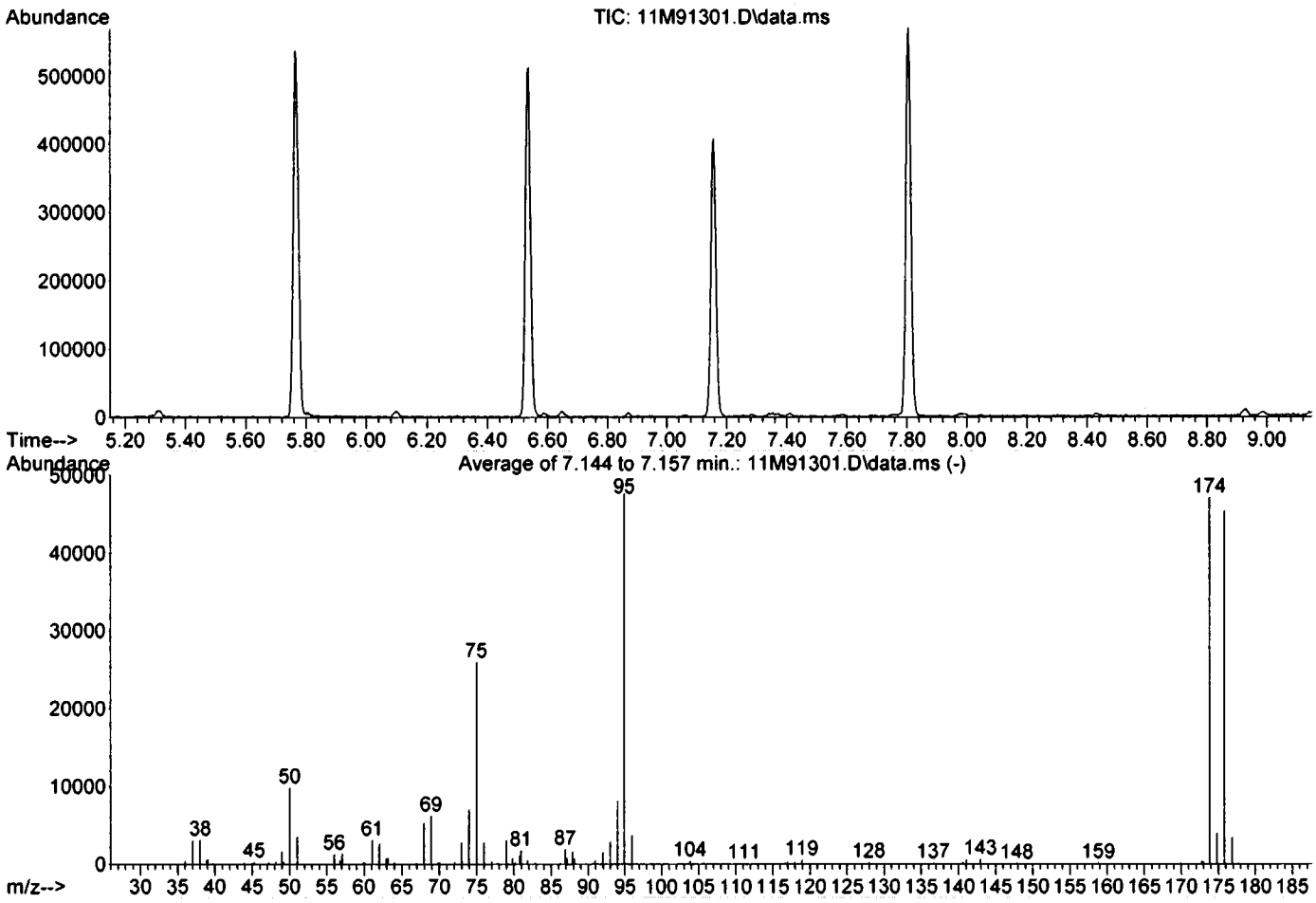
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.7	9858	PASS
75	95	30	60	54.5	25970	PASS
95	95	100	100	100.0	47643	PASS
96	95	5	9	7.8	3719	PASS
173	174	0.00	2	0.9	432	PASS
174	95	50	100	98.9	47136	PASS
175	174	5	9	8.4	3945	PASS
176	174	95	101	96.4	45430	PASS
177	176	5	9	7.6	3444	PASS

Data File	Sample Number	Analysis Date:
11M91303.D	20 PPB	05/18/21 09:40
11M91304.D	CAL @ 20 PPB	05/18/21 10:02
11M91305.D	BLK-DI	05/18/21 10:23
11M91306.D	BLK-HCL	05/18/21 10:45
11M91307.D	DAILY BLANK	05/18/21 11:06
11M91308.D	DAILY BLANK	05/18/21 11:28
11M91309.D	BLK	05/18/21 11:50
11M91310.D	AD23415-001	05/18/21 12:11
11M91311.D	AD23415-005	05/18/21 12:33
11M91312.D	AD23415-006	05/18/21 12:54
11M91313.D	MBS92611	05/18/21 13:15
11M91314.D	MBS92613	05/18/21 13:37
11M91315.D	23412-001(50X)	05/18/21 13:59
11M91316.D	AD23375-007(8uL)	05/18/21 14:20
11M91317.D	AD23375-008(80uL	05/18/21 14:42
11M91318.D	AD23375-020	05/18/21 15:03
11M91319.D	AD23375-009(80uL	05/18/21 15:25
11M91320.D	AD23397-002(MS)	05/18/21 15:47
11M91321.D	AD23397-002(MSD	05/18/21 16:08
11M91322.D	AD23415-001(MS)	05/18/21 16:29
11M91323.D	AD23415-001(MSD	05/18/21 16:51
11M91324.D	BLK	05/18/21 17:12
11M91325.D	MBS92617	05/18/21 17:34
11M91326.D	STD	05/18/21 17:55
11M91327.D	AD23397-002	05/18/21 18:17
11M91328.D	AD23414-007	05/18/21 18:38
11M91329.D	MBS92618	05/18/21 19:00
11M91330.D	23375-008(8uL)	05/18/21 19:21
11M91331.D	AD23375-011(8uL)	05/18/21 19:43
11M91332.D	AD23375-012(8uL)	05/18/21 20:04
11M91333.D	AD23375-013(8uL)	05/18/21 20:26
11M91334.D	AD23375-014(8uL)	05/18/21 20:48
11M91335.D	23375-015(80uL)	05/18/21 21:09

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-18-21\
Data File : 11M91301.D
Acq On : 18 May 2021 9:06
Operator : SG
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 6 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2021\GCMS_11\MethodQt\11M_A0408.M
Title : @GCMS_11,ug,624,8260
Last Update : Fri Apr 09 09:49:46 2021



Spectrum Information: Average of 7.144 to 7.157 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.7	9858	PASS
75	95	30	60	54.5	25970	PASS
95	95	100	100	100.0	47643	PASS
96	95	5	9	7.8	3719	PASS
173	174	0.00	2	0.9	432	PASS
174	95	50	100	98.9	47136	PASS
175	174	5	9	8.4	3945	PASS
176	174	95	101	96.4	45430	PASS
177	176	5	9	7.6	3444	PASS

Form 5

Tune Name: BFB TUNE **Data File:** 11M91336.D
Instrument: GCMS 11 **Analysis Date:** 05/18/21 21:25
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.141 to 7.154 min

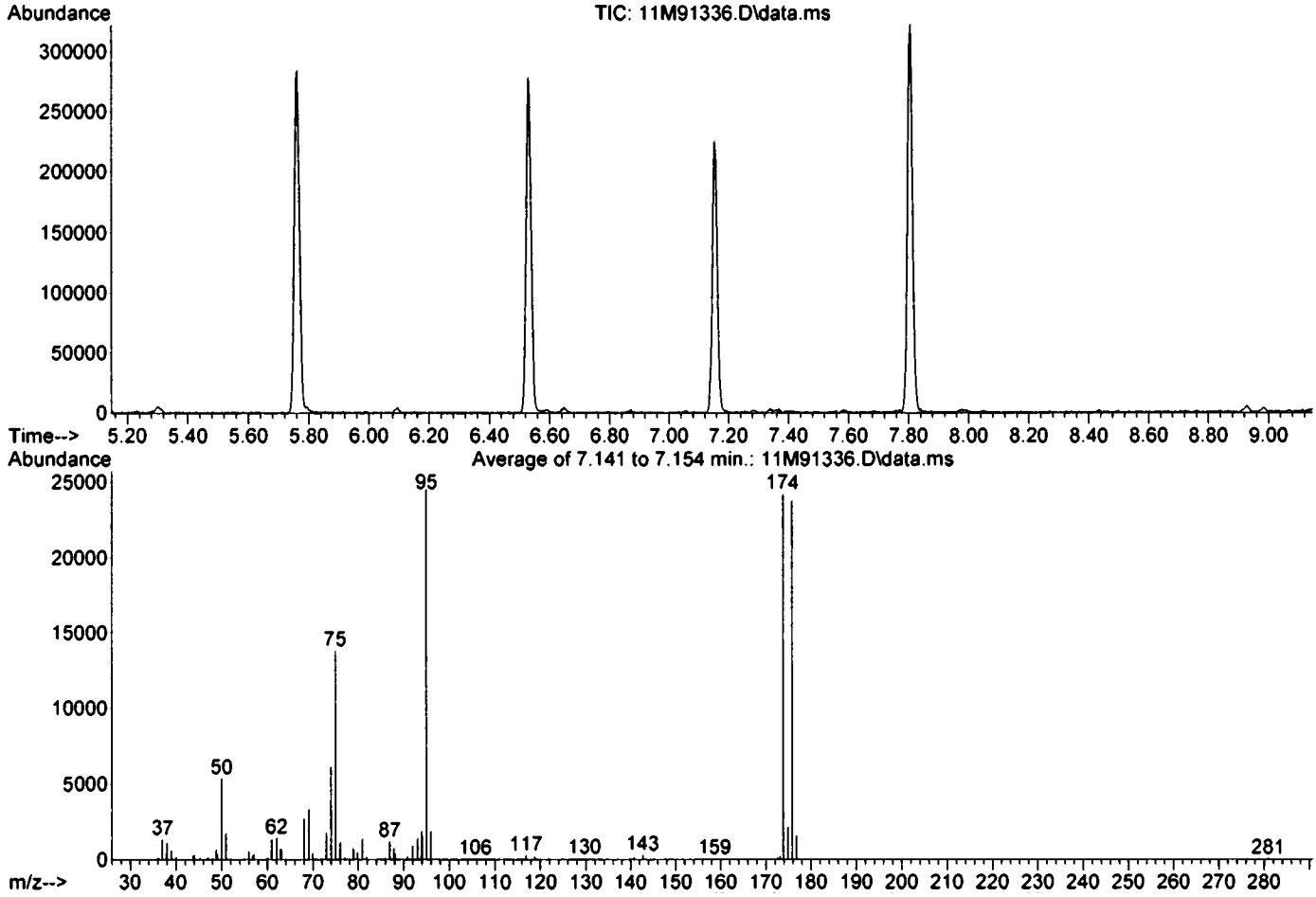
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	22.0	5390	PASS
75	95	30	60	56.4	13845	PASS
95	95	100	100	100.0	24548	PASS
96	95	5	9	7.7	1900	PASS
173	174	0.00	2	0.9	210	PASS
174	95	50	100	98.7	24221	PASS
175	174	5	9	9.0	2169	PASS
176	174	95	101	98.3	23813	PASS
177	176	5	9	6.7	1606	PASS

Data File	Sample Number	Analysis Date:
11M91339.D	CAL @ 20 PPB	05/18/21 22:35
11M91343.D	BLK	05/19/21 00:01
11M91344.D	DAILY BLANK	05/19/21 00:23
11M91345.D	AD23375-001(8uL)	05/19/21 00:44
11M91346.D	MBS92619	05/19/21 01:05
11M91347.D	MBS92620	05/19/21 01:27
11M91348.D	AD23406-010(MSD	05/19/21 01:48
11M91349.D	AD23406-010(MS)	05/19/21 02:09
11M91350.D	AD23406-010	05/19/21 02:31
11M91351.D	AD23400-001	05/19/21 02:52
11M91352.D	AD23375-008	05/19/21 03:14
11M91353.D	AD23375-009	05/19/21 03:35
11M91354.D	AD23375-015	05/19/21 03:57
11M91355.D	AD23375-014(80uL	05/19/21 04:19
11M91356.D	BLK	05/19/21 04:40
11M91359.D	23414-006	05/19/21 06:42

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-1821\
Data File : 11M91336.D
Acq On : 18 May 2021 21:25
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 35 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2021\GCMS_11\MethodQt\11M_A0408.M
Title : @GCMS_11,ug,624,8260
Last Update : Fri Apr 09 09:49:46 2021



Spectrum Information: Average of 7.141 to 7.154 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.0	5390	PASS
75	95	30	60	56.4	13845	PASS
95	95	100	100	100.0	24548	PASS
96	95	5	9	7.7	1900	PASS
173	174	0.00	2	0.9	210	PASS
174	95	50	100	98.7	24221	PASS
175	174	5	9	9.0	2169	PASS
176	174	95	101	98.3	23813	PASS
177	176	5	9	6.7	1606	PASS

Form 5

Tune Name: BFB TUNE **Data File:** 6M140150.D
Instrument: GCMS 6 **Analysis Date:** 05/19/21 07:57
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.373 to 7.391 min

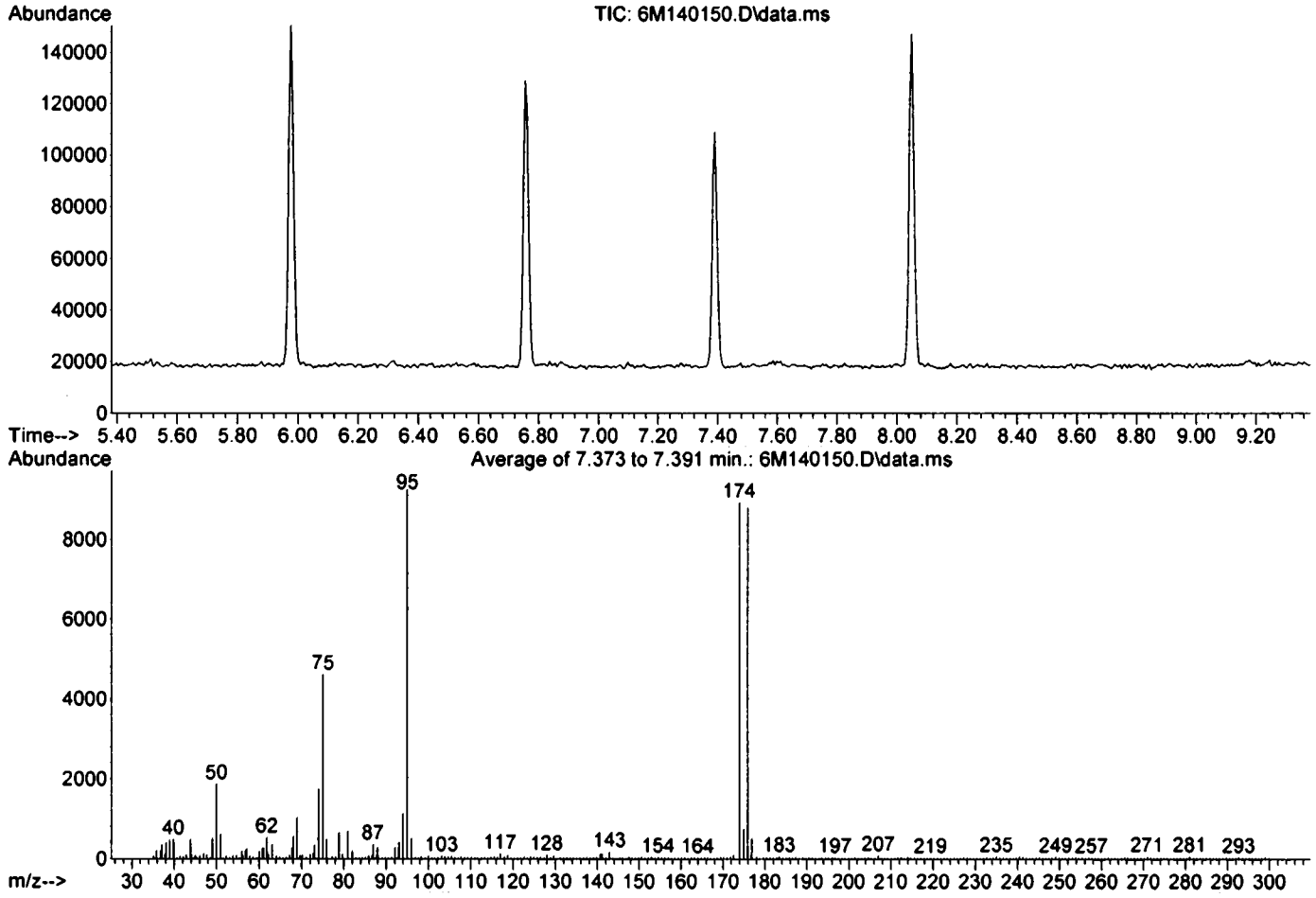
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.3	1886	PASS
75	95	30	60	49.9	4622	PASS
95	95	100	100	100.0	9268	PASS
96	95	5	9	5.7	529	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	96.5	8947	PASS
175	174	5	9	8.5	760	PASS
176	174	95	101	98.6	8821	PASS
177	176	5	9	6.0	528	PASS

Data File	Sample Number	Analysis Date:
6M140152.D	CAL @ 50 PPB	05/19/21 08:33
6M140154.D	JUG-1	05/19/21 09:15
6M140155.D	JUG-2	05/19/21 09:36
6M140156.D	DI	05/19/21 09:57
6M140157.D	DAILY BLANK	05/19/21 10:18
6M140158.D	AD23400-001	05/19/21 10:39
6M140159.D	AD23414-005	05/19/21 11:00
6M140160.D	AD23375-009	05/19/21 11:21
6M140161.D	AD23414-006	05/19/21 11:42
6M140162.D	MBS92622	05/19/21 12:02
6M140163.D	AD23353-006(MS)	05/19/21 12:23
6M140164.D	AD23353-006(MSD	05/19/21 12:44
6M140165.D	MBS92624	05/19/21 13:05
6M140166.D	AD23353-006	05/19/21 13:26
6M140167.D	BLK	05/19/21 13:47
6M140168.D	AD23433-002(5X)	05/19/21 14:08
6M140169.D	AD23438-001	05/19/21 14:29
6M140170.D	AD23438-002	05/19/21 14:50
6M140171.D	AD23438-003	05/19/21 15:11
6M140172.D	AD23438-004	05/19/21 15:32
6M140173.D	AD23438-005	05/19/21 15:53
6M140174.D	AD23438-006	05/19/21 16:13
6M140175.D	AD23438-007	05/19/21 16:34
6M140176.D	AD23438-008	05/19/21 16:55
6M140177.D	AD23438-009	05/19/21 17:16
6M140178.D	BLK-JUG1	05/19/21 17:37
6M140179.D	BLK	05/19/21 17:58
6M140180.D	AD23466-002	05/19/21 18:19
6M140181.D	BLK	05/19/21 18:40
6M140182.D	AD23462-001(5X)	05/19/21 19:01
6M140183.D	BLK	05/19/21 19:22
6M140184.D	23440-001	05/19/21 19:43

Data Path : G:\GcMsData\2021\GCMS_6\Data\05-19-21\
Data File : 6M140150.D
Acq On : 19 May 2021 07:57
Operator : SG
Sample : BFB TUNE
Misc : S,5G
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2021\GCMS_6\MethodQt\6M_S0505.M
Title : @GCMS_6,ug,624,8260
Last Update : Thu May 06 12:15:26 2021



Spectrum Information: Average of 7.373 to 7.391 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.3	1886	PASS
75	95	30	60	49.9	4622	PASS
95	95	100	100	100.0	9268	PASS
96	95	5	9	5.7	529	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	96.5	8947	PASS
175	174	5	9	8.5	760	PASS
176	174	95	101	98.6	8821	PASS
177	176	5	9	6.0	528	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 11
Data File: 11M91392.D
Analysis Date: 05/19/21 17:25
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.157 to 7.160 min

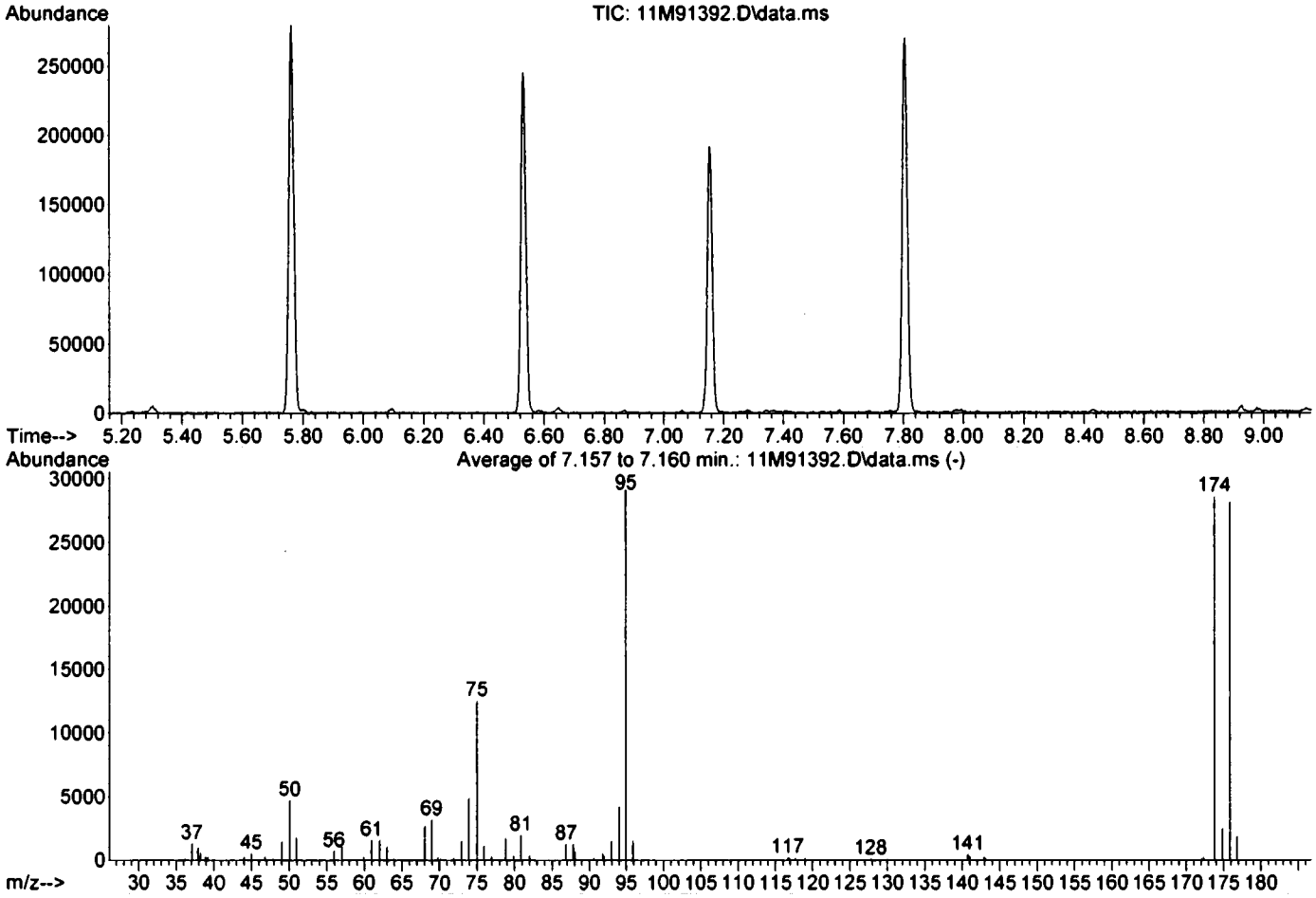
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	16.2	4722	PASS
75	95	30	60	43.0	12544	PASS
95	95	100	100	100.0	29145	PASS
96	95	5	9	5.3	1543	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	98.1	28593	PASS
175	174	5	9	8.8	2507	PASS
176	174	95	101	98.5	28175	PASS
177	176	5	9	6.7	1898	PASS

Data File	Sample Number	Analysis Date:
11M91393.D	CAL @ 20 PPB	05/19/21 17:38
11M91394.D	20 PPB	05/19/21 18:00
11M91395.D	BLK	05/19/21 18:21
11M91396.D	BLK	05/19/21 18:43
11M91397.D	DAILY BLANK	05/19/21 19:04
11M91398.D	AD23415-007	05/19/21 19:26
11M91399.D	AD23415-008	05/19/21 19:47
11M91400.D	AD23415-009	05/19/21 20:09
11M91401.D	DAILY BLANK	05/19/21 20:30
11M91402.D	MBS92625	05/19/21 20:52
11M91403.D	AD23454-001(80uL	05/19/21 21:13
11M91404.D	MBS92626	05/19/21 21:35
11M91405.D	AD23430-004(T)	05/19/21 21:56
11M91406.D	AD23392-002(5X)(	05/19/21 22:18
11M91407.D	AD23392-001(10X)	05/19/21 22:40
11M91408.D	AD23392-003(10X)	05/19/21 23:01
11M91409.D	23445-001(10X)	05/19/21 23:23
11M91410.D	EF-1-V-350008(051	05/19/21 23:44
11M91411.D	AD23438-001	05/20/21 00:06
11M91412.D	AD23454-001	05/20/21 00:27
11M91413.D	AD23430-004(T:M	05/20/21 00:49
11M91414.D	AD23430-004(T:M	05/20/21 01:10
11M91415.D	AD23438-001(MS)	05/20/21 01:31
11M91416.D	AD23438-001(MSD	05/20/21 01:52
11M91417.D	BLK	05/20/21 02:14
11M91418.D	BLK	05/20/21 02:35
11M91419.D	AD23375-016	05/20/21 02:57
11M91420.D	AD23375-017(80uL	05/20/21 03:19
11M91421.D	AD23375-018	05/20/21 03:40
11M91422.D	AD23375-019	05/20/21 04:02
11M91423.D	AD23414-004	05/20/21 04:23
11M91424.D	AD23375-020(8uL)	05/20/21 04:45
11M91425.D	AD23414-001(8uL)	05/20/21 05:06
11M91426.D	AD23414-002(40uL	05/20/21 05:28
11M91427.D	AD23414-003(400u	05/20/21 05:49
11M91428.D	AD23394-004	05/20/21 06:11
11M91429.D	AD23394-001(80uL	05/20/21 06:32
11M91430.D	AD23375-010	05/20/21 06:54
11M91431.D	BLK	05/20/21 07:15
11M91432.D	BLK	05/20/21 07:37

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-19-21\
Data File : 11M91392.D
Acq On : 19 May 2021 17:25
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 27 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2021\GCMS_11\MethodQt\11M_A0408.M
Title : @GCMS_11,ug,624,8260
Last Update : Fri Apr 09 09:49:46 2021



Spectrum Information: Average of 7.157 to 7.160 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.2	4722	PASS
75	95	30	60	43.0	12544	PASS
95	95	100	100	100.0	29145	PASS
96	95	5	9	5.3	1543	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	98.1	28593	PASS
175	174	5	9	8.8	2507	PASS
176	174	95	101	98.5	28175	PASS
177	176	5	9	6.7	1898	PASS

Form 5

Tune Name: BFB TUNE **Data File:** 11M91464.D
Instrument: GCMS 11 **Analysis Date:** 05/20/21 19:17
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.141 to 7.151 min

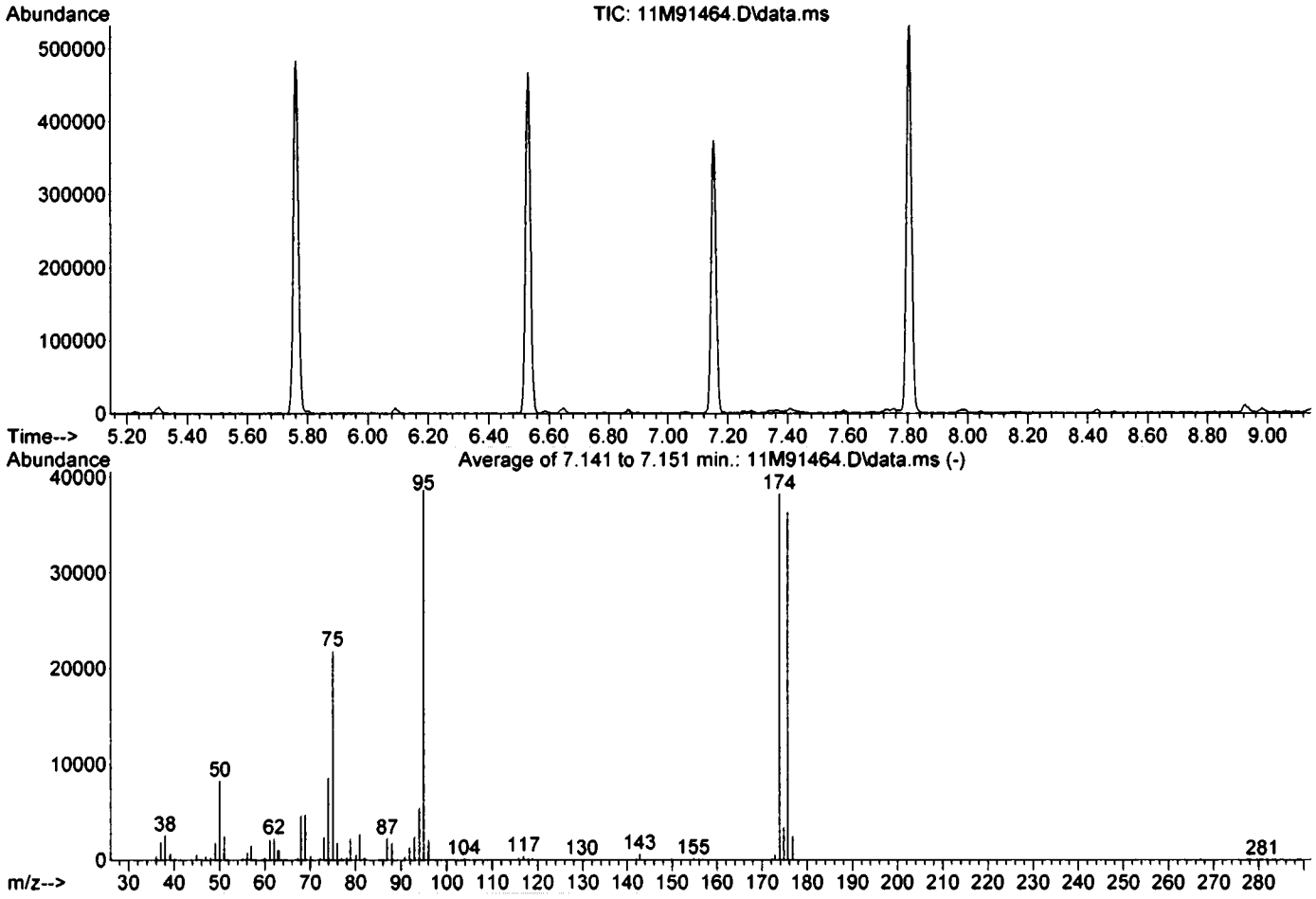
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	21.4	8287	PASS
75	95	30	60	56.5	21859	PASS
95	95	100	100	100.0	38658	PASS
96	95	5	9	5.5	2140	PASS
173	174	0.00	2	1.5	575	PASS
174	95	50	100	99.0	38270	PASS
175	174	5	9	8.9	3423	PASS
176	174	95	101	95.1	36376	PASS
177	176	5	9	7.0	2534	PASS

Data File	Sample Number	Analysis Date:
11M91465.D	20 PPB	05/20/21 19:31
11M91466.D	CAL @ 20 PPB	05/20/21 19:52
11M91467.D	BLK	05/20/21 20:13
11M91468.D	BLK	05/20/21 20:35
11M91469.D	DAILY BLANK	05/20/21 20:56
11M91470.D	DAILY BLANK	05/20/21 21:18
11M91471.D	AD23400-001(T)	05/20/21 21:39
11M91472.D	MBS93440	05/20/21 22:00
11M91473.D	MBS93441	05/20/21 22:22
11M91474.D	AD23491-001(MS)	05/20/21 22:43
11M91475.D	AD23491-001(MSD	05/20/21 23:04
11M91476.D	AD23491-001	05/20/21 23:25
11M91477.D	EF-3V-13600(0514	05/20/21 23:47
11M91478.D	EF-3V-13600(0515	05/21/21 00:08
11M91479.D	AD23371-002(T)	05/21/21 00:30
11M91480.D	AD23371-001(T)	05/21/21 00:51
11M91481.D	AD23371-003(T)	05/21/21 01:12
11M91482.D	AD23371-004(T)	05/21/21 01:34
11M91483.D	AD23400-001(T:M	05/21/21 01:55
11M91484.D	AD23400-001(T:M	05/21/21 02:16
11M91485.D	BLK	05/21/21 02:37
11M91486.D	AD23449-014	05/21/21 02:59
11M91487.D	AD23449-012	05/21/21 03:20
11M91488.D	AD23449-008	05/21/21 03:42
11M91489.D	AD23449-006	05/21/21 04:03
11M91490.D	AD23449-018	05/21/21 04:24
11M91491.D	AD23400-002(T)	05/21/21 04:46
11M91492.D	AD23400-003(T)	05/21/21 05:07
11M91493.D	AD23400-004(T)	05/21/21 05:29
11M91494.D	AD23375-017	05/21/21 05:50
11M91495.D	AD23400-005(T)	05/21/21 06:11
11M91496.D	AD23414-002(80uL	05/21/21 06:38
11M91497.D	AD23414-003(400u	05/21/21 06:59
11M91498.D	AD23375-010(4uL)	05/21/21 07:20
11M91499.D	STD	05/21/21 07:42

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-2021\
Data File : 11M91464.D
Acq On : 20 May 2021 19:17
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 36 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2021\GCMS_11\MethodQt\11M_A0408.M
Title : @GCMS_11,ug,624,8260
Last Update : Fri Apr 09 09:49:46 2021



Spectrum Information: Average of 7.141 to 7.151 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.4	8287	PASS
75	95	30	60	56.5	21859	PASS
95	95	100	100	100.0	38658	PASS
96	95	5	9	5.5	2140	PASS
173	174	0.00	2	1.5	575	PASS
174	95	50	100	99.0	38270	PASS
175	174	5	9	8.9	3423	PASS
176	174	95	101	95.1	36376	PASS
177	176	5	9	7.0	2534	PASS

Form 5

Tune Name: BFB TUNE **Data File:** 11M91501.D
Instrument: GCMS 11 **Analysis Date:** 05/21/21 09:06
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.147 to 7.154 min

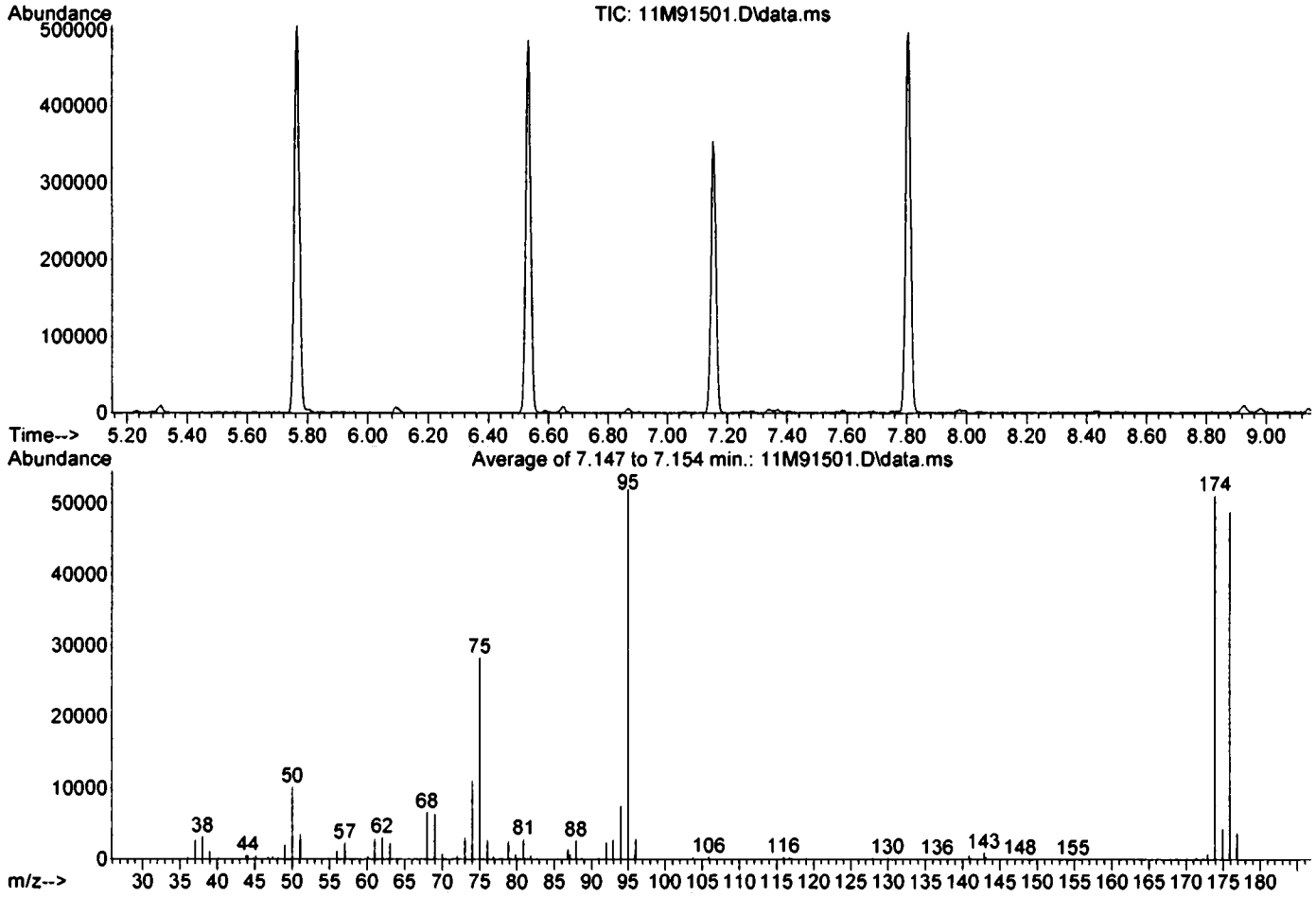
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	19.6	10196	PASS
75	95	30	60	54.5	28328	PASS
95	95	100	100	100.0	51960	PASS
96	95	5	9	5.5	2876	PASS
173	174	0.00	2	1.6	816	PASS
174	95	50	100	98.4	51112	PASS
175	174	5	9	8.4	4310	PASS
176	174	95	101	95.6	48851	PASS
177	176	5	9	7.6	3706	PASS

Data File	Sample Number	Analysis Date:
11M91503.D	CAL @ 20 PPB	05/21/21 09:40
11M91505.D	BLK	05/21/21 10:23
11M91506.D	BLK	05/21/21 10:44
11M91507.D	DAILY BLANK	05/21/21 11:05
11M91508.D	DAILY BLANK	05/21/21 11:27
11M91509.D	AD23405-001(5X)	05/21/21 11:48
11M91510.D	AD23506-001(20X)	05/21/21 12:10
11M91511.D	AD23438-009	05/21/21 12:31
11M91512.D	AD23360-001	05/21/21 12:53
11M91513.D	AD23375-010(8uL)	05/21/21 13:14
11M91514.D	MBS93445	05/21/21 13:35
11M91515.D	MBS93446	05/21/21 13:57
11M91516.D	MBS93447	05/21/21 14:23
11M91517.D	EF-3V-13600(0514	05/21/21 14:45
11M91518.D	MBS93448	05/21/21 15:06
11M91519.D	MBS93449	05/21/21 15:28
11M91520.D	EF-3V-13600(0515	05/21/21 15:49
11M91521.D	AD23400-002(T)	05/21/21 16:11
11M91522.D	AD23444-027(20X)	05/21/21 16:33
11M91523.D	AD23444-037(5X)	05/21/21 16:54
11M91524.D	AD23455-001	05/21/21 17:15
11M91525.D	AD23457-001(100X	05/21/21 17:37
11M91526.D	AD23457-002(100X	05/21/21 17:58
11M91527.D	AD23438-009(MS)	05/21/21 18:20
11M91528.D	AD23438-009(MSD	05/21/21 18:41
11M91529.D	AD23400-004(T:M	05/21/21 19:02
11M91530.D	AD23400-004(T:M	05/21/21 19:23
11M91531.D	BLK	05/21/21 19:45
11M91532.D	AD23444-037(5X)	05/21/21 20:06
11M91533.D	AD23457-002(200X	05/21/21 20:28

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-21-21\
Data File : 11M91501.D
Acq On : 21 May 2021 9:06
Operator : SG
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2021\GCMS_11\MethodQt\11M_A0408.M
Title : @GCMS_11,ug,624,8260
Last Update : Fri Apr 09 09:49:46 2021



Spectrum Information: Average of 7.147 to 7.154 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.6	10196	PASS
75	95	30	60	54.5	28328	PASS
95	95	100	100	100.0	51960	PASS
96	95	5	9	5.5	2876	PASS
173	174	0.00	2	1.6	816	PASS
174	95	50	100	98.4	51112	PASS
175	174	5	9	8.4	4310	PASS
176	174	95	101	95.6	48851	PASS
177	176	5	9	7.6	3706	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 6
Data File: 6M140313.D
Analysis Date: 05/24/21 09:13
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.379 to 7.403 min

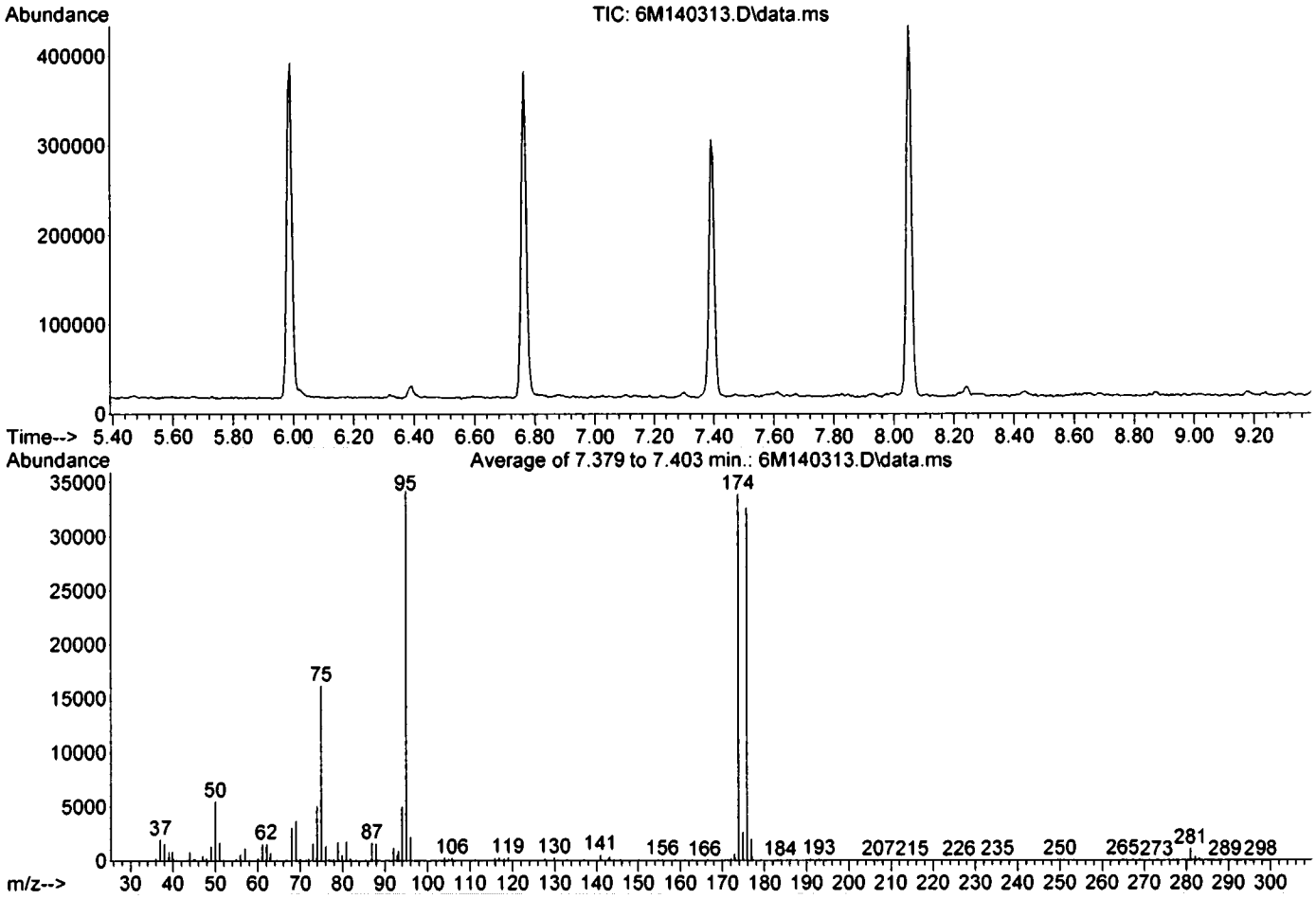
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	16.1	5513	PASS
75	95	30	60	47.3	16219	PASS
95	95	100	100	100.0	34277	PASS
96	95	5	9	6.4	2196	PASS
173	174	0.00	2	1.8	620	PASS
174	95	50	100	99.0	33930	PASS
175	174	5	9	7.8	2663	PASS
176	174	95	101	96.3	32661	PASS
177	176	5	9	6.2	2012	PASS

Data File	Sample Number	Analysis Date:
6M140314.D	CAL @ 50 PPB	05/24/21 09:34
6M140315.D	50 PPB	05/24/21 09:56
6M140316.D	DI	05/24/21 10:17
6M140317.D	STD	05/24/21 10:38
6M140318.D	STD	05/24/21 11:00
6M140319.D	BLK-1	05/24/21 11:21
6M140320.D	BLK-2	05/24/21 11:43
6M140321.D	DAILY BLANK	05/24/21 12:04
6M140322.D	BLK	05/24/21 12:25
6M140323.D	AD23533-001	05/24/21 12:47
6M140324.D	MBS93466	05/24/21 13:08
6M140325.D	AD23545-001(5X)	05/24/21 13:30
6M140326.D	23544-001(5X)	05/24/21 13:51
6M140327.D	AD23543-001(5X)	05/24/21 14:12
6M140328.D	AD23543-003(5X)	05/24/21 14:34
6M140329.D	AD23543-005(5X)	05/24/21 14:55
6M140330.D	AD23511-001	05/24/21 15:17
6M140331.D	AD23543-003	05/24/21 15:42
6M140332.D	23544-001	05/24/21 16:04
6M140333.D	AD23545-001	05/24/21 16:25
6M140334.D	AD23511-001(MS)	05/24/21 16:46
6M140335.D	AD23511-001(MSD	05/24/21 17:08
6M140336.D	BLK	05/24/21 17:29
6M140337.D	BLK	05/24/21 17:51
6M140338.D	AD23533-001	05/24/21 18:12
6M140339.D	AD23510-004	05/24/21 18:33
6M140341.D	AD23375-007	05/24/21 19:22
6M140342.D	BLK	05/24/21 19:43
6M140343.D	AD23533-002	05/24/21 20:05
6M140344.D	AD23533-003	05/24/21 20:26
6M140345.D	AD23533-004	05/24/21 20:47
6M140346.D	AD23533-005	05/24/21 21:09
6M140349.D	BLK	05/24/21 22:13
6M140350.D	BLK-2	05/24/21 22:34
6M140351.D	BLK-4	05/24/21 22:56
6M140356.D	BLK	05/25/21 00:43

Data Path : G:\GcMsData\2021\GCMS_6\Data\05-24-21\
Data File : 6M140313.D
Acq On : 24 May 2021 09:13
Operator : SG
Sample : BFB TUNE
Misc : S,5G
ALS Vial : 6 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2021\GCMS_6\MethodQt\6M_S0520.M
Title : @GCMS_6,ug,624,8260
Last Update : Fri May 21 10:15:52 2021



Spectrum Information: Average of 7.379 to 7.403 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.1	5513	PASS
75	95	30	60	47.3	16219	PASS
95	95	100	100	100.0	34277	PASS
96	95	5	9	6.4	2196	PASS
173	174	0.00	2	1.8	620	PASS
174	95	50	100	99.0	33930	PASS
175	174	5	9	7.8	2663	PASS
176	174	95	101	96.3	32661	PASS
177	176	5	9	6.2	2012	PASS

Form 5

Tune Name: BFB TUNE **Data File:** 11M91566.D
Instrument: GCMS 11 **Analysis Date:** 05/24/21 09:12
Method: EPA 8260D
Tune Scan/Time Range: Average of 7.151 to 7.151 min

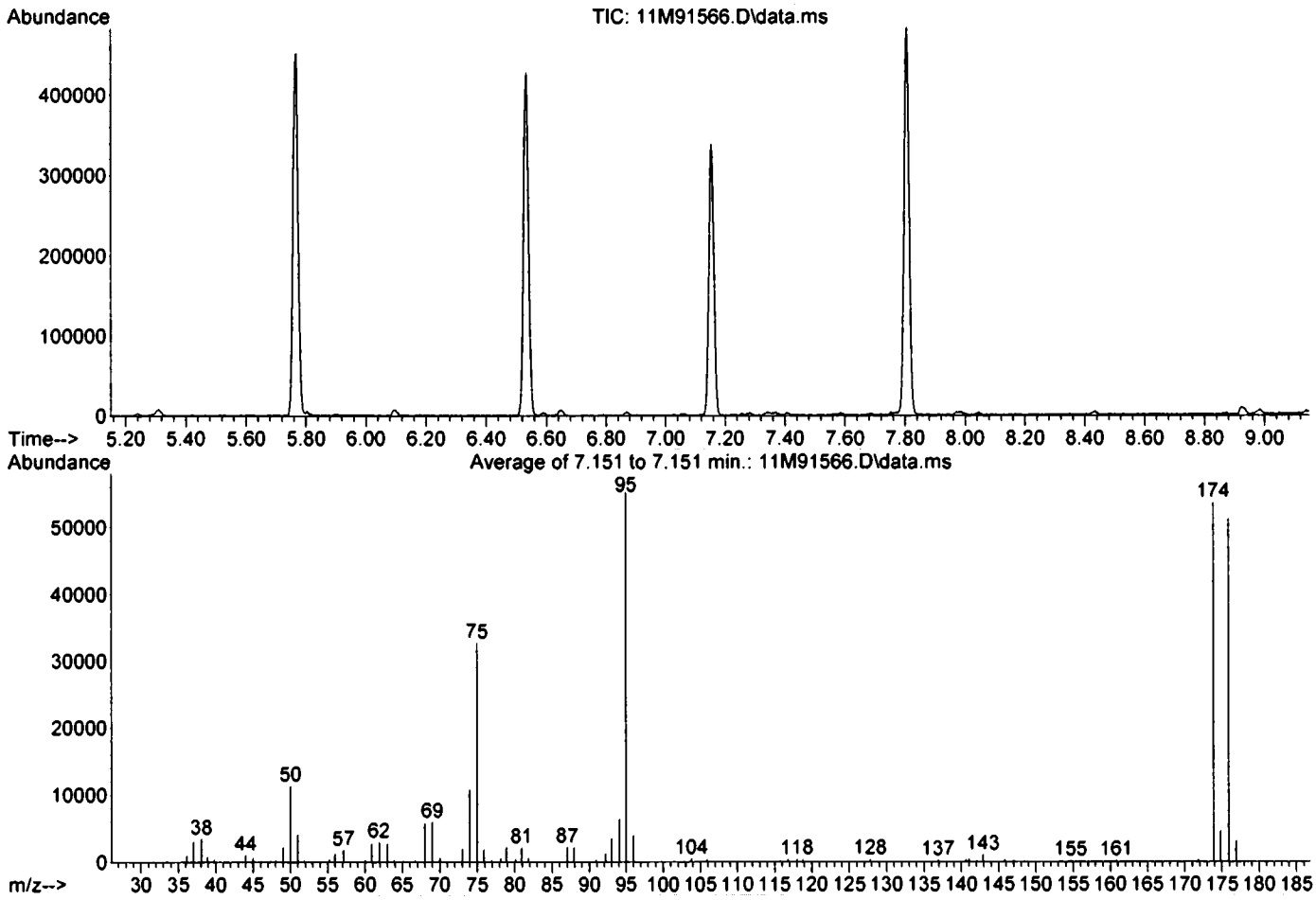
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.6	11405	PASS
75	95	30	60	59.3	32784	PASS
95	95	100	100	100.0	55288	PASS
96	95	5	9	7.1	3943	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	97.1	53704	PASS
175	174	5	9	8.7	4687	PASS
176	174	95	101	95.5	51264	PASS
177	176	5	9	6.2	3157	PASS

Data File	Sample Number	Analysis Date:
11M91568.D	20 PPB	05/24/21 09:47
11M91569.D	CAL @ 20 PPB	05/24/21 10:08
11M91570.D	DI	05/24/21 10:29
11M91571.D	JUG-2	05/24/21 10:51
11M91572.D	DAILY BLANK	05/24/21 11:12
11M91573.D	DAILY BLANK	05/24/21 11:34
11M91574.D	AD23394-001(T)	05/24/21 11:55
11M91575.D	MBS93464	05/24/21 12:17
11M91576.D	MBS93465	05/24/21 12:38
11M91577.D	AD23464-004(80uL	05/24/21 12:59
11M91578.D	AD23464-005(80uL	05/24/21 13:20
11M91579.D	AD23464-006(80uL	05/24/21 13:42
11M91580.D	AD23464-007(80uL	05/24/21 14:03
11M91581.D	AD23464-010(80uL	05/24/21 14:25
11M91582.D	AD23464-006(80uL	05/24/21 14:46
11M91583.D	AD23394-003(T:M	05/24/21 15:07
11M91584.D	BLK	05/24/21 15:30
11M91585.D	AD23464-007(80uL	05/24/21 15:52
11M91586.D	AD23464-010(80uL	05/24/21 16:13
11M91587.D	AD23394-003(T:M	05/24/21 16:35
11M91588.D	AD23394-001(10X)	05/24/21 16:56
11M91589.D	MBS93485	05/24/21 17:18
11M91590.D	AD23533-001	05/24/21 17:39
11M91591.D	AD23449-016(80uL	05/24/21 18:00
11M91592.D	23375-007	05/24/21 18:22
11M91593.D	AD23375-006(8uL)	05/24/21 18:43
11M91594.D	AD23533-001(MS)	05/24/21 19:04
11M91595.D	AD23533-001(MSD	05/24/21 19:26
11M91596.D	BLK	05/24/21 19:47
11M91597.D	BLK	05/24/21 20:08
11M91598.D	AD23464-026	05/24/21 20:30

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-24-21\
Data File : 11M91566.D
Acq On : 24 May 2021 9:12
Operator : SG
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 6 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2021\GCMS_11\MethodQt\11M_A0408.M
Title : @GCMS_11,ug,624,8260
Last Update : Fri Apr 09 09:49:46 2021



Spectrum Information: Average of 7.151 to 7.151 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.6	11405	PASS
75	95	30	60	59.3	32784	PASS
95	95	100	100	100.0	55288	PASS
96	95	5	9	7.1	3943	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	97.1	53704	PASS
175	174	5	9	8.7	4687	PASS
176	174	95	101	95.5	51264	PASS
177	176	5	9	6.2	3157	PASS

Form 5

Tune Name: BFB TUNE **Data File:** 1M148853.D
Instrument: GCMS 1 **Analysis Date:** 05/25/21 11:40
Method: EPA 8260D
Tune Scan/Time Range: Average of 7.587 to 7.603 min

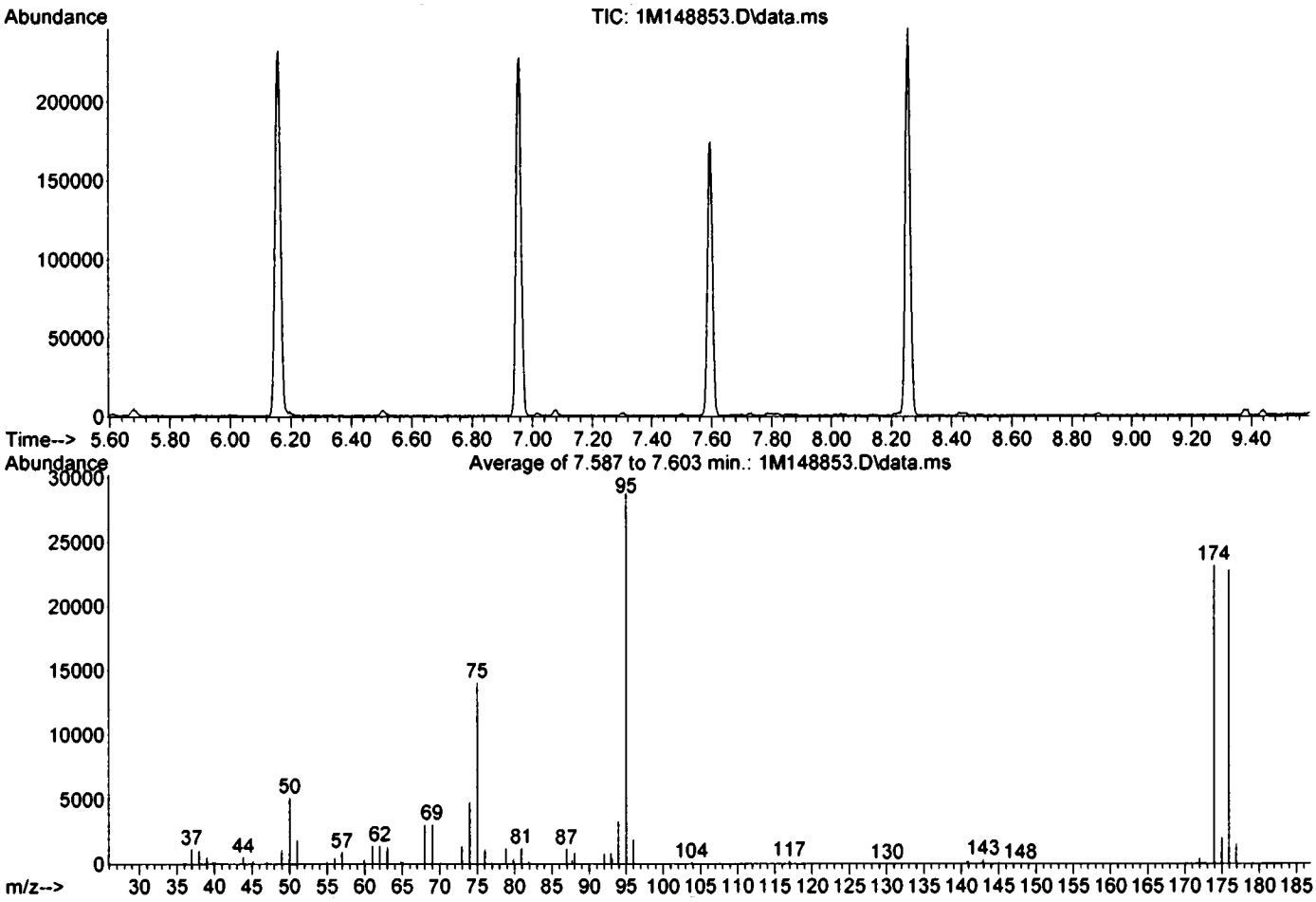
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	18.0	5187	PASS
75	95	30	60	49.0	14119	PASS
95	95	100	100	100.0	28820	PASS
96	95	5	9	6.6	1907	PASS
173	174	0.00	2	0.5	125	PASS
174	95	50	100	80.5	23206	PASS
175	174	5	9	8.8	2035	PASS
176	174	95	101	98.6	22876	PASS
177	176	5	9	6.9	1583	PASS

Data File	Sample Number	Analysis Date:
1M148855.D	STD	05/25/21 12:17
1M148856.D	50 PPB	05/25/21 12:37
1M148857.D	CAL @ 50 PPB	05/25/21 12:57
1M148858.D	BLK	05/25/21 13:17
1M148859.D	BLK	05/25/21 13:37
1M148860.D	BLK	05/25/21 13:58
1M148861.D	DAILY BLANK	05/25/21 14:18
1M148862.D	AD23375-019	05/25/21 14:44
1M148863.D	AD23544-001	05/25/21 15:05
1M148864.D	AD23575-003	05/25/21 15:25
1M148865.D	MBS93494	05/25/21 15:45
1M148866.D	BLK	05/25/21 16:05
1M148867.D	AD23543-005(5X)	05/25/21 16:25
1M148868.D	AD23575-003(MS)	05/25/21 16:46
1M148869.D	AD23575-003(MSD	05/25/21 17:06
1M148870.D	BLK	05/25/21 17:26
1M148871.D	BLK	05/25/21 17:46
1M148872.D	AD23510-004	05/25/21 18:07
1M148873.D	AD23533-002	05/25/21 18:27
1M148874.D	AD23533-003	05/25/21 18:47
1M148875.D	AD23533-004	05/25/21 19:07
1M148876.D	AD23533-005	05/25/21 19:27
1M148877.D	AD23564-002	05/25/21 19:48
1M148878.D	AD23572-001	05/25/21 20:08
1M148879.D	AD23572-002	05/25/21 20:28
1M148880.D	AD23572-003	05/25/21 20:48
1M148881.D	AD23585-001	05/25/21 21:08
1M148882.D	AD23524-003	05/25/21 21:29
1M148883.D	AD23524-007	05/25/21 21:49
1M148884.D	AD23524-011	05/25/21 22:09
1M148885.D	AD23524-015	05/25/21 22:29
1M148886.D	AD23524-019	05/25/21 22:49
1M148887.D	AD23544-001	05/25/21 23:10
1M148888.D	MBS93499	05/25/21 23:30
1M148889.D	BLK	05/25/21 23:50
1M148890.D	BLK	05/26/21 00:10
1M148891.D	BLK	05/26/21 00:30
1M148892.D	BLK	05/26/21 00:50
1M148893.D	BLK	05/26/21 01:11
1M148894.D	AD23504-002	05/26/21 01:31
1M148895.D	AD23599-002	05/26/21 01:51

Data Path : G:\GcMsData\2021\GCMS_1\Data\05-25-21\
Data File : 1M148853.D
Acq On : 25 May 2021 11:40
Operator : SG
Sample : BFB TUNE
Misc : S,5G
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2021\GCMS_1\MethodQt\1M_S0518.M
Title : @GCMS_1,ug,624,8260
Last Update : Tue May 18 21:57:34 2021



Spectrum Information: Average of 7.587 to 7.603 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.0	5187	PASS
75	95	30	60	49.0	14119	PASS
95	95	100	100	100.0	28820	PASS
96	95	5	9	6.6	1907	PASS
173	174	0.00	2	0.5	125	PASS
174	95	50	100	80.5	23206	PASS
175	174	5	9	8.8	2035	PASS
176	174	95	101	98.6	22876	PASS
177	176	5	9	6.9	1583	PASS

1051310 0255

Method: EPA 8260D

Form 6
Initial Calibration

Instrument: GCMS_11

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	11M90046.D	CAL @ 20 PPB	04/08/21 15:58	2	11M90044.D	CAL @ 5 PPB	04/08/21 15:18
3	11M90045.D	CAL @ 10 PPB	04/08/21 15:38	4	11M90047.D	CAL @ 50 PPB	04/08/21 16:19
5	11M90054.D	CAL @ 100 PPB	04/08/21 18:39	6	11M90051.D	CAL @ 250 PPB	04/08/21 17:39
7	11M90048.D	CAL @ 500 PPB	04/08/21 16:39	8	11M90043.D	CAL @ 1 PPB	04/08/21 14:58
9	11M90042.D	CAL @ 0.5 PPB	04/08/21 14:37				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	Avg	0.2337	0.2260	0.2298	0.2371	0.2349	0.2408	0.2438	0.2107	----	0.232	1.67	1.00	1.00	4.5	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dichlorodifluorometha	1	0	Avg	0.1156	0.1169	0.1184	0.1204	0.1218	0.1257	0.1241	0.0951	----	0.117	1.66	1.00	1.00	8.2	0.10 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloromethane	1	0	Avg	0.1487	0.1624	0.1504	0.1553	0.1564	0.1609	0.1431	0.1856	----	0.158	1.84	0.997	1.00	8.2	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromomethane	1	0	Avg	0.2673	0.3248	0.3491	0.2891	0.3383	0.4844	0.3771	0.4126	----	0.355	2.23	0.981	0.990	20	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Chloride	1	0	Avg	0.2441	0.2541	0.2694	0.2542	0.2521	0.2628	0.2477	0.2576	----	0.255	1.94	0.999	1.00	3.2	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroethane	1	0	Avg	0.2037	0.2497	0.2474	0.2200	0.2170	0.2692	0.3581	0.2102	----	0.247	2.32	0.983	1.00	20	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichlorofluoromethan	1	0	Avg	0.6446	0.7377	0.7180	0.6878	0.7076	0.7475	0.7785	0.6263	----	0.706	2.54	0.999	1.00	7.3	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl ether	1	0	Avg	0.1282	0.1526	0.1446	0.1415	0.1484	0.1622	0.1645	0.1501	----	0.149	2.77	1.00	1.00	7.8	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Furan	1	0	Avg	0.2224	0.2510	0.2580	0.2417	0.2495	0.2709	0.2771	0.2474	----	0.252	2.81	1.00	1.00	6.8	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1,2-Trichloro-1,2,2-tr	1	0	Avg	0.1711	0.1813	0.1957	0.1808	0.1910	0.2135	0.2213	0.1748	----	0.191	2.96	0.999	1.00	9.5	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylene Chloride	1	0	Avg	0.2095	0.2368	0.2294	0.2231	0.2269	0.2467	0.2501	0.2282	----	0.231	3.36	1.00	1.00	5.6	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acrolein	1	0	Qua	0.0251	0.0267	0.0288	0.0292	0.0311	0.0361	0.0381	0.0174	----	0.0291	2.88	0.998	1.00	22		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Acrylonitrile	1	0	Avg	0.0607	0.0646	0.0655	0.0649	0.0663	0.0710	0.0735	0.0573	----	0.0655	3.56	1.00	1.00	7.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iodomethane	1	0	Qua	0.1546	0.0723	0.1277	0.2114	0.2484	0.3192	0.3305	0.0055	----	0.184	3.11	0.998	0.999	63		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acetone	1	0	Avg	0.0477	0.0529	0.0568	0.0487	0.0510	0.0542	0.0563	0.0591	----	0.0534	3.00	0.999	1.00	7.5	0.10 a	100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Carbon Disulfide	1	0	Avg	0.5175	0.5823	0.5719	0.5630	0.6016	0.6719	0.6845	0.6179	----	0.601	3.17	0.999	1.00	9.3	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butyl Alcohol	1	0	Avg	0.0308	0.0328	0.0344	0.0341	0.0391	0.0439	0.0448	0.0312	----	0.0364	3.42	0.999	1.00	15		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
n-Hexane	1	0	Avg	0.1368	0.1451	0.1427	0.1484	0.1596	0.1829	0.1828	0.1038	----	0.150	3.80	0.999	0.999	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Di-isopropyl-ether	1	0	Avg	0.3265	0.3427	0.3652	0.3746	0.4081	0.4733	0.5055	0.3374	----	0.392	3.94	0.998	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1-Dichloroethene	1	0	Avg	0.2636	0.2792	0.2804	0.2884	0.3053	0.3418	0.3557	0.2355	----	0.294	2.97	0.999	1.00	14	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl Acetate	1	0	Avg	0.0974	0.1273	0.1147	0.1034	0.1048	0.1138	0.1155	0.1315	----	0.114	3.27	1.00	1.00	10	0.10 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl-t-butyl ether	1	0	Avg	0.4416	0.4838	0.4834	0.5001	0.5305	0.6110	0.6512	0.4668	0.4269	0.511	3.58	0.998	1.00	15	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
1,1-Dichloroethane	1	0	Avg	0.3159	0.3452	0.3283	0.3460	0.3626	0.4043	0.4292	0.3707	----	0.363	3.92	0.999	1.00	11	0.20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1,2-Dichloroethe	1	0	Avg	0.2121	0.2313	0.2511	0.2403	0.2573	0.2822	0.3039	0.2332	----	0.251	3.59	0.998	1.00	12	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl-t-butyl ether	1	0	Avg	0.4697	0.4833	0.5008	0.5435	0.5926	0.6737	0.7114	0.4564	----	0.554	4.19	0.999	1.00	17	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1,2-Dichloroethene	1	0	Avg	0.2948	0.3218	0.3242	0.3379	0.3603	0.4191	0.4575	0.3697	----	0.361	4.30	0.997	1.00	15	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromochloromethane	1	0	Avg	0.1404	0.1551	0.1574	0.1513	0.1592	0.1668	0.1680	0.1583	----	0.157	4.45	1.00	1.00	5.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2,2-Dichloropropane	1	0	Avg	0.2879	0.3143	0.3061	0.3184	0.3365	0.4044	0.4536	0.3107	----	0.342	4.31	0.996	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl acetate	1	0	Avg	0.1913	0.2098	0.2130	0.2219	0.2251	0.2634	0.2651	0.2059	----	0.224	4.32	0.999	0.999	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,4-Dioxane	1	0	Avg	0.0044	0.0046	0.0046	0.0049	0.0052	0.0061	0.0066	0.0041	----	0.00510	5.33	0.998	1.00	17		1000.	250.0	500.0	2500.	5000.	12500	25000	50.00	
1,1-Dichloropropene	1	0	Avg	0.2853	0.3149	0.3116	0.3174	0.3441	0.3983	0.4294	0.2684	----	0.334	4.69	0.998	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroform	1	0	Avg	0.3809	0.4271	0.4309	0.4328	0.4496	0.4931	0.5096	0.4258	----	0.444	4.48	0.999	1.00	9.2	0.20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromofluoromethan	1	0	Avg	0.2874	0.2998	0.2898	0.2818	0.2839	0.2878	0.2783	0.2998	0.2981	0.290	4.58	-1	-1	2.7		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	0.1868	0.1980	0.2062	0.2069	0.2352	0.2603	0.2686	0.1720	----	0.217	4.64	0.999	1.00	16	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dichloroethane-d4	1	0	Avg	0.1288	0.1280	0.1262	0.1243	0.1252	0.1279	0.1260	0.1326	0.1345	0.128	4.77	-1	-1	2.7		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1,2-Dichloroethane	1	0	Avg	0.2866	0.2939	0.3157	0.3266	0.3469	0.4106	0.5138	0.3660	0.3113	0.352	4.81	0.989	1.00	20	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
2-Butanone	1	0	Avg	0.0854	0.0862	0.1004	0.0866	0.0944	0.1068	0.1380	0.0871	----	0.0982	4.30	0.987	1.00	18	0.10 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1,1-Trichloroethane	1	0	Avg	0.3639	0.3980	0.4052	0.4148	0.4378	0.4825	0.5001	0.3621	----	0.421	4.60	0.999	1.00	12	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Carbon Tetrachloride	1	0	Avg	0.3258	0.3454	0.3517	0.3674	0.4025	0.4533	0.4978	0.2938	----	0.380	4.70	0.997	1.00	18	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Acetate	1	0	Qua	0.4464	0.4614	0.4821	0.5379	0.6101	0.7242	0.7812	0.4117	----	0.557	3.94	0.998	1.00	24		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromodichloromethan	1	0	Avg	0.3040	0.3358	0.3434	0.3501	0.3649	0.4073	0.4307	0.3213	----	0.357	5.40	0.999	1.00	12	0.20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Avg Rsd: 14.09

Flags

a - failed the min rf criteria

c - failed the minimum correlation coeff criteria(if applicable)

Note:

Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

1051310 0256

Method: EPA 8260D

Form 6
Initial Calibration

Instrument: GCMS_11

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	11M90046.D	CAL @ 20 PPB	04/08/21 15:58	2	11M90044.D	CAL @ 5 PPB	04/08/21 15:18
3	11M90045.D	CAL @ 10 PPB	04/08/21 15:38	4	11M90047.D	CAL @ 50 PPB	04/08/21 16:19
5	11M90054.D	CAL @ 100 PPB	04/08/21 18:39	6	11M90051.D	CAL @ 250 PPB	04/08/21 17:39
7	11M90048.D	CAL @ 500 PPB	04/08/21 16:39	8	11M90043.D	CAL @ 1 PPB	04/08/21 14:58
9	11M90042.D	CAL @ 0.5 PPB	04/08/21 14:37				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Methylcyclohexane	1	0	Avg	0.2634	0.2783	0.2899	0.2910	0.3225	0.3698	0.4026	0.2286	----	0.306	5.26	0.998	1.00	19	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromomethane	1	0	Avg	0.1750	0.1978	0.2034	0.1998	0.2194	0.2526	0.2790	0.2008	----	0.216	5.34	0.997	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dichloropropane	1	0	Avg	0.1807	0.1913	0.1950	0.1987	0.2172	0.2455	0.2680	0.1912	----	0.211	5.27	0.998	1.00	15	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichloroethene	1	0	Avg	0.2629	0.2978	0.2869	0.2950	0.3156	0.3413	0.3622	0.3054	----	0.308	5.15	0.999	1.00	10	0.20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Benzene	1	0	Avg	0.8047	0.8900	0.9126	0.9192	1.0140	1.1883	1.3976	0.7931	0.8643	0.976	4.81	0.993	1.00	20	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
tert-Amyl methyl ether	1	0	Avg	0.5456	0.5973	0.5971	0.6350	0.7162	0.8117	0.8728	0.5243	----	0.663	4.85	0.998	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iso-propylacetate	1	0	Qua	0.4011	0.4296	0.4234	0.4666	0.5040	0.5845	0.6994	0.3603	----	0.484	4.80	0.993	1.00	23	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl methacrylate	1	0	Avg	0.1456	0.2025	0.2190	0.1801	0.2207	0.2415	0.1965	0.2000	----	0.201	5.29	0.989	0.997	14	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromochloromethan	1	0	Avg	0.3033	0.3388	0.3426	0.3455	0.3666	0.3984	0.3985	0.2740	----	0.346	6.23	1.00	1.00	12	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chloroethylvinylethe	1	0	Qua	0.0656	0.0630	0.0727	0.0749	0.0850	0.0899	0.0879	0.0336	----	0.0716	5.54	1.00	1.00	26		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1,3-Dichloropropen	1	0	Avg	0.3622	0.3822	0.3915	0.4006	0.4151	0.4486	0.4473	0.3236	----	0.396	5.63	1.00	1.00	11	0.20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1,3-Dichloroprop	1	0	Avg	0.3460	0.3647	0.3634	0.3917	0.4057	0.4455	0.4562	0.3352	----	0.389	5.91	1.00	1.00	12	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl methacrylate	1	0	Avg	0.1652	0.1703	0.1841	0.1988	0.2205	0.2484	0.2614	0.1696	----	0.202	5.93	0.999	1.00	18	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1,2-Trichloroethane	1	0	Avg	0.2599	0.2787	0.2723	0.2762	0.2877	0.3078	0.3104	0.2435	----	0.280	6.01	1.00	1.00	8.1	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dibromoethane	1	0	Avg	0.2690	0.3011	0.2935	0.3033	0.3175	0.3362	0.3341	0.2735	----	0.304	6.31	1.00	1.00	8.3	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3-Dichloropropane	1	0	Avg	0.3942	0.4217	0.4418	0.4362	0.4699	0.5246	0.5993	0.3784	----	0.458	6.11	0.996	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Methyl-2-Pentanone	1	0	Avg	0.2210	0.2457	0.2335	0.2511	0.2708	0.2864	0.2820	0.2065	----	0.250	5.69	1.00	1.00	12	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Hexanone	1	0	Qua	0.1595	0.1721	0.1799	0.1901	0.2088	0.2314	0.2605	0.1336	----	0.192	6.12	0.997	1.00	21	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Tetrachloroethene	1	0	Avg	0.2427	0.2497	0.2715	0.2717	0.3016	0.3434	0.3980	0.2369	----	0.289	6.11	0.995	1.00	19	0.20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Toluene-d8	1	0	Avg	1.2350	1.2391	1.2278	1.2309	1.1967	1.1699	1.0974	1.2188	1.1959	1.20	5.78	-1	-1	3.8		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	0.6540	0.6719	0.7135	0.7088	0.7520	0.8242	0.8461	0.6709	----	0.730	5.82	0.999	1.00	9.8	0.40	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1,1,2-Tetrachloroeth	1	0	Avg	0.2625	0.2789	0.2895	0.2995	0.3238	0.3702	0.4319	0.2597	----	0.315	6.59	0.994	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chlorobenzene	1	0	Avg	0.7479	0.7943	0.7962	0.8199	0.8633	0.9400	0.9716	0.8176	----	0.844	6.56	0.999	1.00	9.1	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butyl acrylate	1	0	Avg	0.6849	0.6877	0.7031	0.8266	0.9163	1.0228	1.0379	0.6537	----	0.817	6.79	0.999	1.00	19	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Amyl acetate	1	0	Qua	0.6108	0.6063	0.6277	0.7398	0.8178	0.9276	0.9521	0.5031	----	0.723	6.91	0.999	1.00	23	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromoform	1	0	Avg	0.4072	0.4419	0.4549	0.4802	0.5032	0.5383	0.5390	0.4141	----	0.472	7.00	1.00	1.00	11	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethylbenzene	1	0	Avg	0.6127	0.6985	0.6397	0.6404	0.7012	0.8290	1.0278	0.6132	----	0.720	6.60	0.990	1.00	20	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1,2,2-Tetrachloroeth	1	0	Avg	0.6273	0.6952	0.7073	0.7224	0.7141	0.7665	0.7639	0.6716	----	0.709	7.21	1.00	1.00	6.5	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromofluorobenzene	1	0	Avg	0.7894	0.8125	0.7989	0.7753	0.7823	0.7569	0.7030	0.8177	0.8119	0.783	7.16	-1	-1	4.6		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Qua	1.4307	1.5176	1.5423	1.6455	1.7737	2.0963	2.4024	1.3332	----	1.72	6.87	0.995	1.00	21	0.30	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
m&p-Xylenes	1	0	Avg	0.8243	0.9300	0.9011	0.9622	1.0423	1.2012	----	0.7580	0.7996	0.927	6.65	0.997	1.00	16	0.10	40.00	10.00	20.00	100.0	200.0	500.0		2.00	1.00
o-Xylene	1	0	Avg	0.8191	0.8940	0.9046	0.9538	1.0166	1.1752	1.4391	0.9359	----	1.02	6.87	0.991	1.00	20	0.30	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1,4-Dichloro-2-b	1	0	Qua	0.2159	0.2199	0.2258	0.2551	0.2593	0.3060	0.3627	0.1710	----	0.252	7.24	0.993	1.00	24		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3-Dichlorobenzene	1	0	Avg	1.0072	1.1161	1.0982	1.1324	1.2147	1.3484	1.4065	1.1442	----	1.18	7.78	0.999	1.00	11	0.60	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,4-Dichlorobenzene	1	0	Avg	1.0328	1.1483	1.1305	1.1557	1.2266	1.3487	1.3887	1.1651	----	1.20	7.82	0.999	1.00	9.8	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dichlorobenzene	1	0	Avg	0.9434	1.0158	1.0013	1.0725	1.1343	1.2429	1.2592	0.9455	----	1.08	8.05	1.00	1.00	12	0.40	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Isopropylbenzene	1	0	Avg	2.0316	2.2652	2.2866	2.3395	2.5066	2.7044	2.6697	2.1102	----	2.36	7.06	1.00	1.00	10	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	Avg	0.0207	0.0206	0.0216	0.0218	0.0226	0.0224	0.0202	0.0222	----	0.0215	7.13	0.997	1.00	4.2		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Camphene	1	0	Avg	0.5114	0.4987	0.5454	0.5475	0.6090	0.6767	0.7407	0.4537	----	0.573	7.23	0.998	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,3-Trichloropropane	1	0	Avg	0.7448	0.8207	0.8083	0.8571	0.9033	1.0401	1.1494	0.7331	----	0.882	7.25	0.997	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chlorotoluene	1	0	Avg	1.1434	1.1514	1.1994	1.2780	1.4039	1.6613	1.9127	1.3045	----	1.38	7.36	0.995	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Avg Rsd: 14.09

Flags

a - failed the min rf criteria

c - failed the minimum correlation coeff criteria(if applicable)

Note:

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

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Method: EPA 8260D

Form 6
Initial Calibration

Instrument: GCMS_11

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	11M90046.D	CAL @ 20 PPB	04/08/21 15:58	2	11M90044.D	CAL @ 5 PPB	04/08/21 15:18
3	11M90045.D	CAL @ 10 PPB	04/08/21 15:38	4	11M90047.D	CAL @ 50 PPB	04/08/21 16:19
5	11M90054.D	CAL @ 100 PPB	04/08/21 18:39	6	11M90051.D	CAL @ 250 PPB	04/08/21 17:39
7	11M90048.D	CAL @ 500 PPB	04/08/21 16:39	8	11M90043.D	CAL @ 1 PPB	04/08/21 14:58
9	11M90042.D	CAL @ 0.5 PPB	04/08/21 14:37				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
p-Ethyltoluene	1	0	Avg	2.0340	2.1177	2.1807	2.3349	2.5224	2.8172	2.9238	1.9409	----	2.36	7.34	0.999	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Chlorotoluene	1	0	Avg	1.1460	1.2155	1.1688	1.3264	1.3902	1.5462	1.6414	1.0808	----	1.31	7.41	0.999	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Propylbenzene	1	0	Avg	2.3166	2.4931	2.4955	2.5984	2.7794	3.0523	2.8448	2.2747	----	2.61	7.29	0.999	0.999	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromobenzene	1	0	Avg	1.1128	1.2033	1.2031	1.2428	1.3343	1.4782	1.6111	1.0785	----	1.28	7.26	0.998	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3,5-Trimethylbenzen	1	0	Qua	1.5942	1.6420	1.6772	1.8639	2.0001	2.4611	2.6248	1.4498	----	1.91	7.37	0.998	0.999	22		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Butyl methacrylate	1	0	Qua	0.4691	0.4237	0.4951	0.5772	0.6151	0.8152	----	0.3461	----	0.535	7.37	0.990	1.00	29	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
t-Butylbenzene	1	0	Avg	1.6010	1.6404	1.7255	1.8001	1.9237	2.1553	2.2256	1.5345	----	1.83	7.57	0.999	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4-Trimethylbenzen	1	0	Avg	1.6132	1.7247	1.7439	1.8546	1.9831	2.2054	2.2985	1.4929	----	1.86	7.59	0.999	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	Avg	1.8909	2.0196	2.0465	2.1355	2.3534	2.5460	2.5343	1.5917	----	2.14	7.69	1.00	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	Avg	1.6239	1.6631	1.7289	1.8605	2.0598	2.2925	2.3673	1.2939	----	1.86	7.76	0.999	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butylbenzene	1	0	Avg	1.6232	1.6186	1.7388	1.8352	1.9853	2.2236	2.2943	1.5035	----	1.85	7.99	0.999	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
p-Diethylbenzene	1	0	Avg	0.9308	0.9183	0.9591	1.0716	1.1529	1.3091	1.3703	0.7391	----	1.06	7.97	0.999	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4,5-Tetramethylbe	1	0	Avg	1.1661	1.1754	1.2040	1.4075	1.5007	1.7037	1.7369	0.9933	----	1.36	8.43	0.999	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dibromo-3-Chloro	1	0	Avg	0.1519	0.1691	0.1806	0.1749	0.1775	0.1886	0.1820	0.1529	----	0.172	8.49	1.00	1.00	7.8	0.05	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Camphor	1	0	Qua	0.0621	0.0570	0.0636	0.0757	0.0805	0.0942	0.1058	0.0556	0.0509	0.0718	8.93	0.996	1.00	26		200.0	50.00	100.0	500.0	1000.	2500.	5000.	10.00	5.00
Hexachlorobutadiene	1	0	Avg	0.1955	0.2258	0.2188	0.2050	0.2216	0.2435	0.2437	0.1763	----	0.216	9.07	1.00	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4-Trichlorobenzen	1	0	Avg	0.4533	0.4779	0.4795	0.5142	0.5353	0.6027	0.6086	0.4948	----	0.521	8.98	0.999	1.00	11	0.20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,3-Trichlorobenzen	1	0	Avg	0.3000	0.3124	0.3227	0.3430	0.3677	0.3968	0.3982	0.3166	----	0.345	9.29	1.00	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Naphthalene	1	0	Avg	1.0955	1.1123	1.1187	1.2923	1.3226	1.4574	1.4585	1.1488	----	1.25	9.14	1.00	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags	*Note:* Avg Rsd: 14.09
a - failed the min rf criteria	*Corr 1 = Correlation Coefficient for linear Eq.*
c - failed the minimum correlation coeff criteria(if applicable)	*Corr 2 = Correlation Coefficient for quad Eq.*
	Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

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Method: EPA 8260D

Form 6
Initial Calibration

Instrument: GCMS_6

Level #	Data File	Cal Identifier	Analysis Date/Time	Level #	Data File	Cal Identifier	Analysis Date/Time
1	6M139694.D	CAL @ 20 PPB	05/05/21 23:46	2	6M139696.D	CAL @ 5 PPB	05/06/21 00:28
3	6M139697.D	CAL @ 2 PPB	05/06/21 00:49	4	6M139692.D	CAL @ 50 PPB	05/05/21 23:04
5	6M139689.D	CAL @ 100 PPB	05/05/21 22:02	6	6M139686.D	CAL @ 250 PPB	05/05/21 20:59
7	6M139683.D	CAL @ 500 PPB	05/05/21 19:56	8	6M139698.D	CAL @ 1 PPB	05/06/21 01:10
9	6M139699.D	CAL @ 0.5 PPB	05/06/21 01:31				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	Avg	0.2284	0.2463	0.2586	0.2455	0.2614	0.2832	0.2915	----	----	0.259	1.64	0.999	1.00	8.5	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Dichlorodifluorometha	1	0	Avg	0.0782	0.0837	0.0866	0.0820	0.0911	0.1008	0.0996	----	----	0.0889	1.63	0.999	0.999	9.8	0.10 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chloromethane	1	0	Avg	0.2826	0.3075	0.3319	0.2834	0.2990	0.3139	0.2945	----	----	0.302	1.81	0.999	1.00	5.8	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromomethane	1	0	Avg	0.2319	0.2816	0.2805	0.2294	0.2285	0.2527	0.2745	----	----	0.254	2.23	0.998	1.00	9.7	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Vinyl Chloride	1	0	Avg	0.2602	0.2562	0.2289	0.2703	0.2941	0.3197	0.3035	----	----	0.276	1.91	0.999	0.999	11	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chloroethane	1	0	Avg	0.1916	0.2165	0.2250	0.2039	0.2164	0.2306	0.2247	----	----	0.216	2.32	1.00	1.00	6.3	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Trichlorofluoromethan	1	0	Avg	0.2939	0.3062	0.3292	0.3063	0.3461	0.3676	0.3544	----	----	0.329	2.55	0.999	1.00	8.5	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethyl ether	1	0	Avg	0.2012	0.1806	0.2363	0.2102	0.2164	0.2107	0.1916	----	----	0.207	2.79	0.997	1.00	8.7	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Furan	1	0	Avg	0.3215	0.3240	0.3539	0.3328	0.3534	0.3718	0.3513	----	----	0.344	2.84	0.999	1.00	5.4	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,1,2-Trichloro-1,2,2-tr	1	0	Avg	0.0727	0.0916	0.0738	0.0811	0.0910	0.1022	0.0976	----	----	0.0872	3.00	0.999	0.999	13	0.10 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methylene Chloride	1	0	Avg	0.2470	0.2590	0.3024	0.2486	0.2564	0.2620	0.2387	----	----	0.259	3.42	0.998	1.00	8.0	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Acrolein	1	0	Avg	0.0460	0.0440	0.0446	0.0488	0.0493	0.0488	0.0389	----	----	0.0458	2.91	0.985	0.999	8.1		100.0	25.00	10.00	250.0	500.0	1250.	2500.		
Acrylonitrile	1	0	Avg	0.1068	0.1082	0.1263	0.1063	0.1082	0.1075	0.0846	----	----	0.107	3.63	0.984	0.999	11		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Iodomethane	1	0	Qua	0.1809	0.1410	0.1399	0.2168	0.2648	0.3104	0.3306	----	----	0.226	3.15	0.998	0.999	34		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Acetone	1	0	Avg	0.0787	0.0801	0.0962	0.0772	0.0761	0.0752	0.0557	----	----	0.0771	3.04	0.974	0.999	15	0.10 a	100.0	25.00	10.00	250.0	500.0	1250.	2500.		
Carbon Disulfide	1	0	Avg	0.5167	0.6085	0.6633	0.5496	0.6006	0.6551	0.6269	----	----	0.603	3.22	0.999	0.999	8.9	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
t-Butyl Alcohol	1	0	Avg	0.0292	0.0308	0.0332	0.0310	0.0310	0.0310	0.0220	----	----	0.0298	3.50	0.964	0.998	12		100.0	25.00	10.00	250.0	500.0	1250.	2500.		
n-Hexane	1	0	Qua	0.0334	0.0443	0.0398	0.0406	0.0460	0.0686	----	----	----	0.0455	3.90	0.981	1.00	27		20.00	5.00	2.00	50.00	100.0	250.0			
Di-isopropyl-ether	1	0	Avg	0.6400	0.6237	0.6505	0.6979	0.7678	0.8007	0.7737	----	----	0.708	4.06	1.00	1.00	10		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,1-Dichloroethene	1	0	Avg	0.2455	0.2572	0.2479	0.2692	0.2934	0.3214	0.3140	----	----	0.278	3.01	1.00	1.00	11	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methyl Acetate	1	0	Avg	0.1877	0.2003	0.2209	0.1991	0.2030	0.1992	0.1555	----	----	0.195	3.33	0.982	0.999	10	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methyl-t-butyl ether	1	0	Avg	0.5702	0.5180	0.5733	0.5949	0.6536	0.6512	0.6026	0.9352	----	0.637	3.66	0.998	1.00	20	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
1,1-Dichloroethane	1	0	Avg	0.3863	0.4014	0.4071	0.4039	0.4250	0.4492	0.4325	----	----	0.415	4.02	1.00	1.00	5.2	0.20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
trans-1,2-Dichloroethe	1	0	Avg	0.2038	0.2134	0.2084	0.2209	0.2411	0.2576	0.2528	----	----	0.228	3.67	1.00	1.00	9.6	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethyl-t-butyl ether	1	0	Avg	0.6112	0.5847	0.5789	0.6643	0.7385	0.7530	0.7250	----	----	0.665	4.32	0.999	1.00	11	0.50	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
cis-1,2-Dichloroethene	1	0	Avg	0.3763	0.3957	0.4280	0.4062	0.4359	0.4571	0.4470	----	----	0.421	4.43	1.00	1.00	6.9	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromochloromethane	1	0	Avg	0.2195	0.2262	0.2502	0.2175	0.2251	0.2220	0.2123	----	----	0.225	4.59	0.999	1.00	5.4		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2,2-Dichloropropane	1	0	Avg	0.2275	0.2474	0.2438	0.2616	0.2863	0.3202	0.3353	----	----	0.275	4.44	0.999	1.00	15		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethyl acetate	1	0	Avg	0.2591	0.2811	0.3904	0.2579	0.2660	0.2652	0.2203	----	----	0.277	4.46	0.991	0.999	19		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,4-Dioxane	1	0	Avg	0.0034	0.0034	0.0031	0.0037	0.0037	0.0038	0.0031	----	----	0.00350	5.51	0.990	0.999	8.0		1000.	250.0	100.0	2500.	5000.	12500	25000		
1,1-Dichloropropene	1	0	Avg	0.2316	0.2242	0.1977	0.2517	0.2889	0.3166	0.3215	----	----	0.262	4.85	0.999	1.00	18		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chloroform	1	0	Avg	0.4127	0.4330	0.4280	0.4235	0.4523	0.4671	0.4501	----	----	0.438	4.63	1.00	1.00	4.3	0.20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Dibromofluoromethan	1	0	Avg	0.2960	0.3081	0.3215	0.2957	0.2879	0.2939	0.2321	0.3259	0.3264	0.299	4.73	-1	-1	9.7		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	0.1454	0.1602	0.1517	0.1693	0.1949	0.2259	0.2342	----	----	0.183	4.80	0.999	0.999	20	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2-Dichloroethane-d4	1	0	Avg	0.1386	0.1420	0.1443	0.1288	0.1338	0.1327	0.1024	0.1453	0.1519	0.136	4.93	-1	-1	11		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1,2-Dichloroethane	1	0	Avg	0.3368	0.3444	0.3784	0.3566	0.3711	0.3770	0.3759	----	----	0.363	4.97	1.00	1.00	4.7	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2-Butanone	1	0	Avg	0.1039	0.1299	0.0986	0.1154	0.1223	0.1260	0.1008	----	----	0.114	4.43	0.986	0.999	11	0.10 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,1,1-Trichloroethane	1	0	Avg	0.3178	0.3323	0.3094	0.3344	0.3643	0.3933	0.3914	----	----	0.349	4.76	1.00	1.00	9.8	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Carbon Tetrachloride	1	0	Qua	0.2232	0.2068	0.1683	0.2613	0.2910	0.3300	0.3376	----	----	0.260	4.85	0.999	1.00	25	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Vinyl Acetate	1	0	Avg	0.5688	0.5407	0.5661	0.6379	0.7227	0.7906	0.7556	----	----	0.655	4.06	0.999	0.999	16		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromodichloromethan	1	0	Avg	0.3143	0.3274	0.3325	0.3437	0.3613	0.3789	0.3922	----	----	0.350	5.59	1.00	1.00	8.1	0.20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		

Flags
a - failed the min rf criteria
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 16.54
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

1051310 0259

Method: EPA 8260D

Form 6
Initial Calibration

Instrument: GCMS_6

Level #	Data File	Cal Identifier	Analysis Date/Time	Level #	Data File	Cal Identifier	Analysis Date/Time
1	6M139694.D	CAL @ 20 PPB	05/05/21 23:46	2	6M139696.D	CAL @ 5 PPB	05/06/21 00:28
3	6M139697.D	CAL @ 2 PPB	05/06/21 00:49	4	6M139692.D	CAL @ 50 PPB	05/05/21 23:04
5	6M139689.D	CAL @ 100 PPB	05/05/21 22:02	6	6M139686.D	CAL @ 250 PPB	05/05/21 20:59
7	6M139683.D	CAL @ 500 PPB	05/05/21 19:56	8	6M139698.D	CAL @ 1 PPB	05/06/21 01:10
9	6M139699.D	CAL @ 0.5 PPB	05/06/21 01:31				

Compound	Col	Mr	Fit	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Methylcyclohexane	1	0	Qua	0.1074	0.1238	0.1136	0.1306	0.1556	0.1863	0.1981	----	----	0.145	5.45	0.998	0.999	25	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Dibromomethane	1	0	Avg	0.1933	0.1935	0.1822	0.2092	0.2197	0.2187	0.2206	----	----	0.205	5.52	1.00	1.00	7.6		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2-Dichloropropane	1	0	Avg	0.2330	0.2367	0.2591	0.2464	0.2604	0.2741	0.2775	----	----	0.255	5.45	1.00	1.00	6.8	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Trichloroethene	1	0	Avg	0.2567	0.2502	0.2447	0.2654	0.2876	0.3104	0.3273	----	----	0.278	5.32	0.999	1.00	11	0.20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Benzene	1	0	Qua	0.8015	0.8287	0.8380	0.8870	0.9356	1.0018	1.0384	1.6379	----	0.996	4.97	0.999	1.00	27	0.50	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
tert-Amyl methyl ether	1	0	Avg	0.5131	0.4810	0.4495	0.5664	0.6232	0.6359	0.7648	----	----	0.576	5.01	0.993	1.00	19		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Iso-propylacetate	1	0	Avg	0.3984	0.4002	0.4031	0.4433	0.4650	0.4646	0.4961	----	----	0.439	4.97	0.999	1.00	8.9	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methyl methacrylate	1	0	Avg	0.1543	0.1596	0.1554	0.1848	0.1939	0.1956	0.2163	----	----	0.180	5.48	0.998	1.00	13	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Dibromochloromethan	1	0	Avg	0.2689	0.2526	0.2663	0.2941	0.3098	0.3122	----	----	----	0.284	6.44	1.00	1.00	8.7	0.10	20.00	5.00	2.00	50.00	100.0	250.0			
2-Chloroethylvinylethe	1	0	Avg	0.0142	0.0128	0.0147	0.0145	0.0171	0.0171	0.0194	----	----	0.0157	5.73	0.997	1.00	14		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
cis-1,3-Dichloropropen	1	0	Avg	0.3021	0.2909	0.2868	0.3413	0.3654	0.3904	0.4523	----	----	0.347	5.82	0.995	1.00	17	0.20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
trans-1,3-Dichloroprop	1	0	Avg	0.2841	0.2557	0.2592	0.3134	0.3435	0.3630	----	----	----	0.303	6.11	0.999	1.00	15	0.10	20.00	5.00	2.00	50.00	100.0	250.0			
Ethyl methacrylate	1	0	Avg	0.1825	0.1469	0.1614	0.2010	0.2298	0.2362	----	----	----	0.193	6.13	0.999	1.00	19	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0			
1,1,2-Trichloroethane	1	0	Avg	0.2293	0.2414	0.2370	0.2363	0.2429	0.2438	0.3479	----	----	0.254	6.22	0.978	0.999	16	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2-Dibromoethane	1	0	Qua	0.2330	0.2278	0.2458	0.2473	0.2567	0.2555	0.3426	0.4459	0.1957	0.272	6.52	0.985	0.999	28	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	0.50
1,3-Dichloropropane	1	0	Avg	0.3514	0.3385	0.3637	0.3740	0.3950	0.3969	0.5526	----	----	0.396	6.31	0.981	0.999	18		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
4-Methyl-2-Pentanone	1	0	Avg	0.2216	0.2061	0.2325	0.2381	0.2552	0.2552	0.2507	----	----	0.237	5.89	1.00	1.00	7.8	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2-Hexanone	1	0	Avg	0.1545	0.1462	0.1445	0.1731	0.1829	0.1890	0.2243	----	----	0.174	6.32	0.994	1.00	16	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Tetrachloroethene	1	0	Avg	0.1884	0.2024	0.1648	0.2056	0.2255	0.2491	----	----	----	0.206	6.32	0.998	1.00	14	0.20 a	20.00	5.00	2.00	50.00	100.0	250.0			
Toluene-d8	1	0	Avg	1.0714	1.0250	1.0291	1.0855	1.0793	1.0838	0.9931	1.0566	1.0252	1.05	5.98	-1	-1	3.1		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Qua	0.5171	0.5249	0.5155	0.5664	0.6130	0.6571	0.8068	0.9631	----	0.646	6.02	0.991	1.00	25	0.40	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
1,1,1,2-Tetrachloroeth	1	0	Qua	0.2499	0.2392	0.2450	0.2592	0.2800	0.2877	0.4054	----	----	0.281	6.81	0.980	0.999	21		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chlorobenzene	1	0	Avg	0.6507	0.6616	0.6383	0.7049	0.7555	0.7847	0.9738	----	----	0.739	6.78	0.991	1.00	16	0.50	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
n-Butyl acrylate	1	0	Qua	0.5542	0.5421	0.5460	0.6366	0.6975	0.9921	----	----	----	0.661	7.01	0.985	1.00	26	0.50	20.00	5.00	2.00	50.00	100.0	250.0			
n-Amyl acetate	1	0	Avg	0.5008	0.4963	0.5357	0.5815	0.6083	----	----	----	----	0.545	7.13	0.999	1.00	9.1	0.50 a	20.00	5.00	2.00	50.00	100.0				
Bromoform	1	0	Avg	0.3083	0.2906	0.3504	0.3431	0.3377	----	----	----	----	0.326	7.23	1.00	1.00	7.8	0.10	20.00	5.00	2.00	50.00	100.0				
Ethylbenzene	1	0	Qua	0.4123	0.4135	0.3724	0.4567	0.4569	0.6520	----	0.7452	----	0.501	6.82	0.985	1.00	28	0.10	20.00	5.00	2.00	50.00	100.0	250.0		1.00	
1,1,2,2-Tetrachloroeth	1	0	Avg	0.4769	0.5058	0.5082	0.4898	0.4808	0.7013	0.5687	----	----	0.533	7.44	0.986	0.992	15	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromofluorobenzene	1	0	Avg	0.7637	0.7445	0.7303	0.7689	0.7096	1.0761	0.8407	0.7405	0.7657	0.793	7.39	-1	-1	14		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	1.0217	0.9047	0.8252	1.1709	1.2140	----	----	----	----	1.03	7.10	0.999	1.00	16	0.30	20.00	5.00	2.00	50.00	100.0				
m&p-Xylenes	1	0	Qua	0.5704	0.5110	0.4775	0.6529	0.6782	0.9709	1.1840	0.9723	0.4695	0.721	6.87	0.988	0.999	36	0.10	40.00	10.00	4.00	100.0	200.0	500.0	1000.	2.00	1.00
o-Xylene	1	0	Qua	0.5830	0.5562	0.4997	0.6734	0.6948	1.0119	----	0.9632	----	0.712	7.10	0.983	1.00	28	0.30	20.00	5.00	2.00	50.00	100.0	250.0		1.00	
trans-1,4-Dichloro-2-b	1	0	Avg	0.1460	0.1433	0.1378	0.1659	0.1780	----	----	----	----	0.154	7.46	0.998	1.00	11		20.00	5.00	2.00	50.00	100.0				
1,3-Dichlorobenzene	1	0	Avg	0.8529	0.8603	0.8597	0.9653	1.0119	1.1418	1.1221	----	----	0.973	8.01	0.999	0.999	13	0.60	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,4-Dichlorobenzene	1	0	Avg	0.8648	0.9067	0.9730	0.9393	1.0180	1.0893	1.3961	----	----	1.03	8.06	0.988	1.00	17	0.50	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2-Dichlorobenzene	1	0	Avg	0.8361	0.8555	0.8426	0.9576	0.9654	1.0413	1.0053	----	----	0.929	8.29	1.00	1.00	9.0	0.40	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Isopropylbenzene	1	0	Qua	1.3889	1.3294	1.2485	1.5902	1.6730	2.7804	----	2.5059	----	1.79	7.29	0.973	1.00	34	0.10	20.00	5.00	2.00	50.00	100.0	250.0		1.00	
Cyclohexanone	1	0	Qua	0.0140	0.0196	0.0252	0.0128	0.0133	0.0225	----	----	----	0.0180	7.37	0.971	1.00	29		100.0	25.00	10.00	250.0	500.0	1250.			
Camphene	1	0	Qua	0.3172	0.3358	0.2853	0.3910	0.4123	0.7020	----	----	----	0.407	7.46	0.972	1.00	37		20.00	5.00	2.00	50.00	100.0	250.0			
1,2,3-Trichloropropane	1	0	Avg	0.5348	0.5598	0.5889	0.5714	0.5708	0.8783	0.7277	----	----	0.633	7.48	0.987	0.991	20		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2-Chlorotoluene	1	0	Avg	0.9234	0.8674	0.8552	1.0283	1.0630	----	----	----	----	0.948	7.59	0.999	1.00	9.9		20.00	5.00	2.00	50.00	100.0				

Avg Rsd: 16.54

Flags

a - failed the min rf criteria

c - failed the minimum correlation coeff criteria(if applicable)

Note:

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

1051310 0260

Method: EPA 8260D

Form 6
Initial Calibration

Instrument: GCMS_6

Level #	Data File	Cal Identifier	Analysis Date/Time	Level #	Data File	Cal Identifier	Analysis Date/Time
1	6M139694.D	CAL @ 20 PPB	05/05/21 23:46	2	6M139696.D	CAL @ 5 PPB	05/06/21 00:28
3	6M139697.D	CAL @ 2 PPB	05/06/21 00:49	4	6M139692.D	CAL @ 50 PPB	05/05/21 23:04
5	6M139689.D	CAL @ 100 PPB	05/05/21 22:02	6	6M139686.D	CAL @ 250 PPB	05/05/21 20:59
7	6M139683.D	CAL @ 500 PPB	05/05/21 19:56	8	6M139698.D	CAL @ 1 PPB	05/06/21 01:10
9	6M139699.D	CAL @ 0.5 PPB	05/06/21 01:31				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
p-Ethyltoluene	1	0	Avg	1.5466	1.4282	1.3248	1.8507	1.9452	----	----	----	----	1.62	7.57	0.999	1.00	17		20.00	5.00	2.00	50.00	100.0				
4-Chlorotoluene	1	0	Avg	0.9158	0.8957	0.8714	1.0537	1.1378	1.0553	1.0676	----	----	1.00	7.65	1.00	1.00	10		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
n-Propylbenzene	1	0	Qua	1.6025	1.5579	1.4510	1.9121	1.9669	3.4540	----	2.9867	----	2.13	7.52	0.969	0.999	36		20.00	5.00	2.00	50.00	100.0	250.0		1.00	
Bromobenzene	1	0	Qua	0.8991	0.8953	0.9620	1.0211	0.9963	1.6230	----	----	----	1.07	7.49	0.976	0.999	26		20.00	5.00	2.00	50.00	100.0	250.0			
1,3,5-Trimethylbenzen	1	0	Qua	1.1328	1.0782	0.9128	1.3170	1.3768	1.6203	1.5207	1.8159	----	1.35	7.60	0.998	0.999	22		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
Butyl methacrylate	1	0	Qua	0.4432	0.4215	0.3966	0.4993	0.5421	0.4256	----	0.7591	----	0.498	7.61	0.988	0.998	25	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0		1.00	
t-Butylbenzene	1	0	Qua	1.1607	1.1232	0.9908	1.3625	1.4660	1.8849	----	2.0826	----	1.44	7.80	0.991	1.00	28		20.00	5.00	2.00	50.00	100.0	250.0		1.00	
1,2,4-Trimethylbenzen	1	0	Qua	1.2170	1.1236	1.0502	1.4685	1.5619	1.6930	----	2.0154	----	1.45	7.82	0.999	1.00	24		20.00	5.00	2.00	50.00	100.0	250.0		1.00	
sec-Butylbenzene	1	0	Qua	1.4072	1.3003	1.1597	1.7094	1.8284	2.1283	----	2.4884	----	1.72	7.93	0.996	1.00	28		20.00	5.00	2.00	50.00	100.0	250.0		1.00	
4-Isopropyltoluene	1	0	Qua	1.2435	1.1445	1.0277	1.5059	1.6261	1.9773	----	1.9381	----	1.49	7.99	0.994	1.00	25		20.00	5.00	2.00	50.00	100.0	250.0		1.00	
n-Butylbenzene	1	0	Qua	1.2541	1.2041	1.0604	1.5663	1.6863	1.8586	----	2.2567	----	1.56	8.23	0.998	1.00	27		20.00	5.00	2.00	50.00	100.0	250.0		1.00	
p-Diethylbenzene	1	0	Qua	0.6778	0.7104	0.5922	0.8733	0.9624	1.3499	----	----	----	0.861	8.21	0.986	1.00	32		20.00	5.00	2.00	50.00	100.0	250.0			
1,2,4,5-Tetramethylbe	1	0	Qua	0.9843	0.8721	0.8328	1.2337	1.4080	2.7112	----	----	----	1.34	8.68	0.962	1.00	53		20.00	5.00	2.00	50.00	100.0	250.0			
1,2-Dibromo-3-Chloro	1	0	Qua	0.1253	0.1373	0.1309	0.1314	0.1319	0.2275	----	----	----	0.147	8.74	0.971	0.999	27	0.05	20.00	5.00	2.00	50.00	100.0	250.0			
Camphor	1	0	Qua	0.0401	0.0424	0.0604	0.0487	0.0501	0.0753	----	----	----	0.0529	9.18	0.981	1.00	25		200.0	50.00	20.00	500.0	1000.	2500.			
Hexachlorobutadiene	1	0	Qua	0.2422	0.2673	0.2465	0.2845	0.2887	0.5001	----	----	----	0.305	9.32	0.971	0.999	32		20.00	5.00	2.00	50.00	100.0	250.0			
1,2,4-Trichlorobenzen	1	0	Qua	0.5460	0.5273	0.5699	0.6272	0.6401	1.0466	----	----	----	0.660	9.23	0.975	1.00	30	0.20	20.00	5.00	2.00	50.00	100.0	250.0			
1,2,3-Trichlorobenzen	1	0	Qua	0.5117	0.5128	0.5615	0.5914	0.5975	0.9274	----	----	----	0.617	9.54	0.979	1.00	25		20.00	5.00	2.00	50.00	100.0	250.0			
Naphthalene	1	0	Qua	1.2530	1.1424	1.2995	1.4737	1.5190	2.2679	----	2.0989	----	1.58	9.39	0.981	1.00	28		20.00	5.00	2.00	50.00	100.0	250.0		1.00	

Flags	*Note:* Avg Rsd: 16.54
a - failed the min rf criteria	*Corr 1 = Correlation Coefficient for linear Eq.*
c - failed the minimum correlation coeff criteria(if applicable)	*Corr 2 = Correlation Coefficient for quad Eq.*
	Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

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Method: EPA 8260D

Form 6
Initial Calibration

Instrument: GCMS_1

Level #	Data File	Cal Identifier	Analysis Date/Time	Level #	Data File	Cal Identifier	Analysis Date/Time
1	1M148539.D	CAL @ 20 PPB	05/18/21 18:11	2	1M148537.D	CAL @ 5 PPB	05/18/21 17:30
3	1M148538.D	CAL @ 2 PPB	05/18/21 17:50	4	1M148541.D	CAL @ 50 PPB	05/18/21 18:51
5	1M148543.D	CAL @100 PPB	05/18/21 19:32	6	1M148546.D	CAL @ 250 PPB	05/18/21 20:32
7	1M148549.D	CAL @ 500 PPB	05/18/21 21:33	8	1M148536.D	CAL @1 PPB	05/18/21 17:10
9	1M148535.D	CAL @ 0.5 PPB	05/18/21 16:50				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	Avg	0.1577	0.1154	0.1256	0.1542	0.1412	0.1769	0.1597	----	----	0.147	2.14	0.996	0.997	14	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Dichlorodifluorometha	1	0	Avg	0.1062	0.0880	0.0980	0.1068	0.1000	0.1236	0.1175	----	----	0.106	2.12	0.998	0.998	11	0.10 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chloromethane	1	0	Avg	0.1393	0.1210	0.1272	0.1327	0.1260	0.1538	0.1347	----	----	0.134	2.30	0.995	0.997	8.1	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromomethane	1	0	Avg	0.0464	0.0471	0.0430	0.0485	0.0539	0.0586	0.0491	----	----	0.0496	2.67	0.992	0.998	10	0.10 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Vinyl Chloride	1	0	Avg	0.1042	0.0931	0.1014	0.1119	0.1168	0.1345	0.1267	----	----	0.113	2.39	0.999	0.999	13	0.10 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chloroethane	1	0	Avg	0.0605	0.0573	0.0598	0.0579	0.0630	0.0656	0.0521	----	----	0.0595	2.74	0.985	0.998	7.3	0.10 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Trichlorofluoromethan	1	0	Avg	0.1392	0.1323	0.1402	0.1356	0.1221	0.1634	0.1449	----	----	0.140	2.95	0.995	0.996	9.1	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethyl ether	1	0	Avg	0.0852	0.0891	0.0897	0.0818	0.0722	0.0913	0.0742	----	----	0.0834	3.17	0.988	0.995	9.2	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Furan	1	0	Avg	0.1124	0.1133	0.1430	0.1110	0.1009	0.1295	0.1096	----	----	0.117	3.20	0.992	0.996	12	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,1,2-Trichloro-1,2,2-tr	1	0	Avg	0.0668	0.0659	0.0661	0.0652	0.0554	0.0699	0.0613	----	----	0.0644	3.36	0.995	0.997	7.3	0.10 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methylene Chloride	1	0	Avg	0.1074	0.1289	0.1494	0.1007	0.0904	0.1064	----	----	----	0.114	3.73	0.996	0.999	19	0.10 a	20.00	5.00	2.00	50.00	100.0	250.0			
Acrolein	1	0	Avg	0.0158	0.0153	0.0167	0.0139	0.0119	0.0147	0.0123	----	----	0.0144	3.28	0.992	0.996	12		100.0	25.00	10.00	250.0	500.0	1250.	2500.		
Acrylonitrile	1	0	Qua	0.0528	0.0548	0.0690	0.0434	0.0397	0.0455	0.0372	----	----	0.0489	3.91	0.989	0.997	22		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Iodomethane	1	0	Qua	0.0702	0.0443	0.0415	0.0873	0.0894	0.1176	----	----	----	0.0751	3.49	0.991	1.00	39		20.00	5.00	2.00	50.00	100.0	250.0			
Acetone	1	0	Qua	0.0360	0.0403	0.0420	0.0292	0.0246	0.0296	0.0243	----	----	0.0323	3.39	0.989	0.996	22	0.10 a	100.0	25.00	10.00	250.0	500.0	1250.	2500.		
Carbon Disulfide	1	0	Avg	0.2228	0.2322	0.2639	0.2228	0.2045	0.2563	0.2189	----	----	0.232	3.56	0.993	0.996	9.2	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
t-Butyl Alcohol	1	0	Avg	0.0177	0.0173	0.0213	0.0145	0.0127	0.0153	0.0126	----	----	0.0159	3.79	0.990	0.996	19		100.0	25.00	10.00	250.0	500.0	1250.	2500.		
n-Hexane	1	0	Avg	0.0931	0.0997	0.0921	0.1013	0.0923	0.1059	0.0912	----	----	0.0966	4.16	0.994	0.998	6.0		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Di-isopropyl-ether	1	0	Avg	0.2787	0.2909	0.3014	0.2910	0.2690	0.2906	0.2335	----	----	0.279	4.29	0.987	0.998	8.1		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,1-Dichloroethene	1	0	Avg	0.1295	0.1285	0.1445	0.1253	0.1114	0.1420	0.1254	----	----	0.130	3.36	0.995	0.997	8.6	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methyl Acetate	1	0	Avg	0.0968	0.1017	0.1027	0.0804	0.0716	0.0835	0.0684	----	----	0.0865	3.64	0.990	0.997	16	0.10 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methyl-t-butyl ether	1	0	Avg	0.2657	0.3112	0.3078	0.2604	0.2412	0.2816	0.2249	0.3748	----	0.284	3.95	0.987	0.997	17	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
1,1-Dichloroethane	1	0	Avg	0.1751	0.1889	0.1977	0.1723	0.1580	0.1749	0.1443	----	----	0.173	4.26	0.990	0.998	10	0.20 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
trans-1,2-Dichloroethe	1	0	Avg	0.0928	0.1054	0.1022	0.0903	0.0837	0.0967	0.0800	----	----	0.0931	3.96	0.991	0.997	10	0.10 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethyl-t-butyl ether	1	0	Avg	0.3171	0.3410	0.3280	0.3275	0.3366	0.3606	0.2807	----	----	0.327	4.54	0.983	0.998	7.6	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
cis-1,2-Dichloroethene	1	0	Avg	0.1961	0.2179	0.2374	0.1943	0.1981	0.2071	0.1688	----	----	0.203	4.65	0.989	0.999	11	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromochloromethane	1	0	Avg	0.1229	0.1314	0.1189	0.1186	0.1217	0.1274	0.1053	----	----	0.121	4.80	0.990	0.999	6.8		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2,2-Dichloropropane	1	0	Avg	0.1455	0.1514	0.1484	0.1495	0.1522	0.1646	0.1377	----	----	0.150	4.66	0.992	0.999	5.4		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethyl acetate	1	0	Avg	0.1556	0.1773	0.1245	0.1381	0.1426	0.1459	0.1075	----	----	0.142	4.67	0.973	0.998	16		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,4-Dioxane	1	0	Avg	0.0025	0.0021	0.0024	0.0024	0.0022	0.0022	0.0018	----	----	0.00228	5.73	0.994	1.00	9.6		1000.	250.0	100.0	2500.	5000.	12500	25000		
1,1-Dichloropropene	1	0	Avg	0.1338	0.1340	0.1216	0.1407	0.1551	0.1455	0.1298	----	----	0.137	5.06	0.996	1.00	8.0		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chloroform	1	0	Avg	0.2106	0.2490	0.2976	0.2037	0.2151	0.2156	0.1812	----	----	0.225	4.83	0.992	0.999	17	0.20 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Dibromofluoromethan	1	0	Avg	0.2852	0.2997	0.3116	0.2711	0.3014	0.3015	0.3169	0.3056	0.3065	0.300	4.93	-1	-1	4.6		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	0.1365	0.1173	0.1257	0.1465	0.1527	0.1619	0.1482	----	----	0.141	5.01	0.998	1.00	11	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2-Dichloroethane-d4	1	0	Avg	0.1343	0.1401	0.1408	0.1308	0.1456	0.1519	0.1572	0.1407	0.1473	0.143	5.13	-1	-1	5.8		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1,2-Dichloroethane	1	0	Avg	0.1752	0.2019	0.2256	0.1759	0.1948	0.1803	0.1498	----	----	0.186	5.18	0.990	1.00	13	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2-Butanone	1	0	Avg	0.1481	0.1471	0.1458	0.1354	0.1343	0.1321	0.1126	----	----	0.137	4.67	0.993	1.00	9.1	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,1,1-Trichloroethane	1	0	Avg	0.1718	0.1765	0.1876	0.1735	0.1880	0.1903	0.1676	----	----	0.179	4.97	0.996	1.00	5.1	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Carbon Tetrachloride	1	0	Avg	0.1506	0.1477	0.1306	0.1550	0.1681	0.1701	0.1494	----	----	0.153	5.07	0.995	1.00	8.7	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Vinyl Acetate	1	0	Avg	0.2812	0.2968	0.2729	0.2842	0.2641	0.2891	0.2279	----	----	0.274	4.28	0.985	0.998	8.3		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromodichloromethan	1	0	Avg	0.1772	0.1799	0.1669	0.1900	0.1933	0.1879	0.1630	----	----	0.180	5.79	0.994	1.00	6.4	0.20 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		

Flags

a - failed the min rf criteria

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 10.02

Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

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Method: EPA 8260D

Form 6
Initial Calibration

Instrument: GCMS_1

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	1M148539.D	CAL @ 20 PPB	05/18/21 18:11	2	1M148537.D	CAL @ 5 PPB	05/18/21 17:30
3	1M148538.D	CAL @ 2 PPB	05/18/21 17:50	4	1M148541.D	CAL @ 50 PPB	05/18/21 18:51
5	1M148543.D	CAL @100 PPB	05/18/21 19:32	6	1M148546.D	CAL @ 250 PPB	05/18/21 20:32
7	1M148549.D	CAL @ 500 PPB	05/18/21 21:33	8	1M148536.D	CAL @1 PPB	05/18/21 17:10
9	1M148535.D	CAL @ 0.5 PPB	05/18/21 16:50				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Methylcyclohexane	1	0	Avg	0.1435	0.1265	0.1119	0.1705	0.1580	0.1637	0.1486	----	----	0.146	5.65	0.998	1.00	14	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Dibromomethane	1	0	Avg	0.1065	0.1030	0.1132	0.1094	0.1037	0.1034	0.0869	----	----	0.104	5.72	0.992	1.00	8.0		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2-Dichloropropane	1	0	Avg	0.1340	0.1314	0.1232	0.1398	0.1301	0.1340	0.1148	----	----	0.130	5.65	0.994	0.999	6.3	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Trichloroethene	1	0	Avg	0.1311	0.1192	0.1211	0.1372	0.1351	0.1323	0.1186	----	----	0.128	5.53	0.997	1.00	6.2	0.20 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Benzene	1	0	Avg	0.4467	0.4362	0.4381	0.4640	0.4955	0.4485	0.3787	0.4752	----	0.448	5.18	0.991	1.00	7.7	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
tert-Amyl methyl ether	1	0	Avg	0.2879	0.2785	0.2788	0.3078	0.3347	0.3179	0.2687	----	----	0.296	5.22	0.992	1.00	8.2		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Iso-propylacetate	1	0	Avg	0.1528	0.1702	0.1796	0.1576	0.1775	0.1591	0.1319	----	----	0.161	5.17	0.989	1.00	10	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methyl methacrylate	1	0	Avg	0.0697	0.0687	0.0723	0.0792	0.0775	0.0727	0.0637	----	----	0.0720	5.68	0.995	1.00	7.4	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Dibromochloromethan	1	0	Avg	0.1146	0.1071	0.1010	0.1255	0.1319	0.1282	0.1144	----	----	0.118	6.65	0.996	1.00	9.7	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2-Chloroethylvinylethe	1	0	Avg	0.0514	0.0469	0.0414	0.0588	0.0631	0.0606	0.0523	----	----	0.0536	5.93	0.994	1.00	15		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
cis-1,3-Dichloropropen	1	0	Avg	0.1439	0.1366	0.1200	0.1664	0.1763	0.1594	0.1386	----	----	0.149	6.03	0.993	1.00	13	0.20 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
trans-1,3-Dichloroprop	1	0	Avg	0.1419	0.1383	0.1306	0.1601	0.1695	0.1561	0.1349	----	----	0.147	6.32	0.993	1.00	9.9	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethyl methacrylate	1	0	Avg	0.0718	0.0715	0.0784	0.0800	0.0838	0.0797	0.0687	----	----	0.0763	6.34	0.993	1.00	7.3	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,1,2-Trichloroethane	1	0	Avg	0.0991	0.1001	0.1035	0.1031	0.1076	0.0972	0.0842	----	----	0.0993	6.42	0.993	1.00	7.5	0.10 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2-Dibromoethane	1	0	Avg	0.1068	0.1021	0.0955	0.1103	0.1161	0.1105	0.0977	0.0921	0.1077	0.104	6.73	0.996	1.00	7.6	0.10 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	0.50
1,3-Dichloropropane	1	0	Avg	0.1630	0.1599	0.1552	0.1730	0.1780	0.1595	0.1394	----	----	0.161	6.52	0.994	1.00	7.8		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
4-Methyl-2-Pentanone	1	0	Avg	0.0871	0.0831	0.1005	0.0910	0.0924	0.0893	0.0769	----	----	0.0887	6.09	0.994	1.00	8.4	0.10 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2-Hexanone	1	0	Avg	0.0653	0.0656	0.0755	0.0648	0.0667	0.0650	0.0581	----	----	0.0659	6.54	0.997	1.00	7.8	0.10 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Tetrachloroethene	1	0	Avg	0.0804	0.0732	0.0698	0.0850	0.0866	0.0796	0.0714	----	----	0.0781	6.53	0.996	1.00	8.5	0.20 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Toluene-d8	1	0	Avg	0.8997	0.9205	0.9034	0.9422	0.9306	0.8574	0.8182	0.9215	0.9116	0.901	6.18	-1	-1	4.3		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	0.2339	0.2224	0.2375	0.2556	0.2601	0.2334	0.2060	0.2383	----	0.236	6.22	0.995	1.00	7.3	0.40 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
1,1,1,2-Tetrachloroeth	1	0	Avg	0.0987	0.0957	0.0960	0.1091	0.1061	0.1116	0.1020	----	----	0.103	7.02	0.998	1.00	6.2		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chlorobenzene	1	0	Avg	0.2849	0.2698	0.2950	0.3023	0.3029	0.3004	0.2756	----	----	0.290	6.99	0.998	1.00	4.7	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
n-Butyl acrylate	1	0	Avg	0.2199	0.1995	0.2133	0.2482	0.2714	0.2649	0.2530	----	----	0.239	7.24	0.999	1.00	12	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
n-Amyl acetate	1	0	Avg	0.1844	0.1708	0.1678	0.1960	0.2075	0.1993	0.1919	----	----	0.188	7.36	0.999	1.00	7.8	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromoform	1	0	Avg	0.1178	0.1129	0.1131	0.1249	0.1341	0.1302	0.1306	----	----	0.123	7.44	1.00	1.00	7.1	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethylbenzene	1	0	Avg	0.1758	0.1588	0.1795	0.1885	0.1826	0.1574	0.1423	0.1288	----	0.164	7.03	0.995	1.00	13	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
1,1,2,2-Tetrachloroeth	1	0	Avg	0.2125	0.2131	0.2454	0.2076	0.2109	0.1950	0.1951	----	----	0.211	7.66	1.00	1.00	8.0	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromofluorobenzene	1	0	Avg	0.7081	0.7177	0.7091	0.7211	0.7135	0.6803	0.7211	0.7152	0.7159	0.711	7.61	-1	-1	1.8		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	0.4375	0.3672	0.3606	0.4638	0.4786	0.4166	0.3998	----	----	0.418	7.32	0.998	0.999	11	0.30	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
m&p-Xylenes	1	0	Avg	0.2492	0.2201	0.2219	0.2657	0.2666	0.2176	0.1961	0.1973	0.2136	0.228	7.09	0.994	0.999	12	0.10	40.00	10.00	4.00	100.0	200.0	500.0	1000.	2.00	1.00
o-Xylene	1	0	Avg	0.2525	0.2137	0.2234	0.2677	0.2714	0.2374	0.2299	0.1892	----	0.236	7.31	0.999	0.999	12	0.30 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
trans-1,4-Dichloro-2-b	1	0	Avg	0.0768	0.0755	0.0720	0.0822	0.0810	0.0752	0.0745	----	----	0.0768	7.69	1.00	1.00	4.7		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,3-Dichlorobenzene	1	0	Avg	0.3331	0.3195	0.3072	0.3491	0.3538	0.3498	0.3360	----	----	0.336	8.23	1.00	1.00	5.1	0.60 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,4-Dichlorobenzene	1	0	Avg	0.3437	0.3363	0.3594	0.3593	0.3654	0.3586	0.3487	----	----	0.353	8.28	1.00	1.00	2.9	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2-Dichlorobenzene	1	0	Avg	0.3419	0.3267	0.3308	0.3478	0.3649	0.3640	0.3441	----	----	0.346	8.51	0.999	1.00	4.3	0.40 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Isopropylbenzene	1	0	Avg	0.5938	0.5110	0.4775	0.6556	0.6662	0.6168	0.6347	0.4501	----	0.576	7.51	1.00	1.00	15	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	Avg	0.0081	0.0062	0.0091	0.0078	0.0077	0.0073	0.0070	----	----	0.00763	7.58	0.999	1.00	12		100.0	25.00	10.00	250.0	500.0	1250.	2500.		
Camphene	1	0	Avg	0.1860	0.1625	0.1525	0.2076	0.2075	0.1930	0.2044	----	----	0.188	7.69	0.999	1.00	12		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2,3-Trichloropropane	1	0	Avg	0.2518	0.2419	0.2600	0.2508	0.2572	0.2303	0.2319	----	----	0.246	7.70	0.999	1.00	4.8		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2-Chlorotoluene	1	0	Avg	0.3973	0.3763	0.3516	0.4274	0.4320	0.3876	0.3877	----	----	0.394	7.81	0.999	1.00	7.1		20.00	5.00	2.00	50.00	100.0	250.0	500.0		

Flags
a - failed the min rf criteria
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 10.02
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

1051310 0263

Method: EPA 8260D

Form 6
Initial Calibration

Instrument: GCMS_1

Level #	Data File	Cal Identifier	Analysis Date/Time	Level #	Data File	Cal Identifier	Analysis Date/Time
1	1M148539.D	CAL @ 20 PPB	05/18/21 18:11	2	1M148537.D	CAL @ 5 PPB	05/18/21 17:30
3	1M148538.D	CAL @ 2 PPB	05/18/21 17:50	4	1M148541.D	CAL @ 50 PPB	05/18/21 18:51
5	1M148543.D	CAL @100 PPB	05/18/21 19:32	6	1M148546.D	CAL @ 250 PPB	05/18/21 20:32
7	1M148549.D	CAL @ 500 PPB	05/18/21 21:33	8	1M148536.D	CAL @1 PPB	05/18/21 17:10
9	1M148535.D	CAL @ 0.5 PPB	05/18/21 16:50				

Compound	Col	Mr	Fit	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
p-Ethyltoluene	1	0	Avg	0.5973	0.5113	0.4509	0.6424	0.6561	0.5975	0.6224	-----	-----	0.583	7.80	0.999	0.999	13		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
4-Chlorotoluene	1	0	Avg	0.4083	0.4101	0.3917	0.4414	0.4339	0.3915	0.4007	-----	-----	0.411	7.86	0.999	0.999	4.8		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
n-Propylbenzene	1	0	Avg	0.7245	0.6165	0.6498	0.7866	0.7839	0.7209	0.7371	0.5861	-----	0.701	7.74	1.00	1.00	11		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
Bromobenzene	1	0	Avg	0.4079	0.4016	0.3943	0.4247	0.3987	0.3640	0.3730	-----	-----	0.395	7.71	0.999	0.999	5.2		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,3,5-Trimethylbenzen	1	0	Avg	0.5163	0.4236	0.3911	0.5501	0.5528	0.5085	0.5056	0.4027	-----	0.481	7.82	1.00	1.00	14		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
Butyl methacrylate	1	0	Avg	0.1548	0.1591	0.1526	0.1577	0.1733	0.1585	0.1505	-----	-----	0.158	7.83	0.999	1.00	4.7	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
t-Butylbenzene	1	0	Avg	0.4965	0.4061	0.3871	0.5536	0.5644	0.5650	0.5713	0.3473	-----	0.486	8.02	1.00	1.00	19		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
1,2,4-Trimethylbenzen	1	0	Avg	0.5170	0.4723	0.4547	0.5875	0.5962	0.5804	0.5684	0.4271	-----	0.525	8.05	1.00	1.00	13		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	Avg	0.6425	0.5435	0.5127	0.7181	0.7248	0.7319	0.7242	0.4712	-----	0.634	8.15	1.00	1.00	17		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	Avg	0.5436	0.4588	0.4266	0.6108	0.6217	0.6193	0.6048	0.4057	-----	0.536	8.22	1.00	1.00	17		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
n-Butylbenzene	1	0	Avg	0.6206	0.5294	0.5117	0.6823	0.7112	0.6907	0.6617	0.5400	-----	0.618	8.45	0.999	1.00	13		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
p-Diethylbenzene	1	0	Avg	0.2981	0.2594	0.2606	0.3443	0.3661	0.3673	0.3573	-----	-----	0.322	8.44	1.00	1.00	15		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2,4,5-Tetramethylbe	1	0	Avg	0.4771	0.3899	0.3833	0.5426	0.6053	0.6042	0.5631	-----	-----	0.509	8.90	0.998	1.00	19		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2-Dibromo-3-Chloro	1	0	Avg	0.0591	0.0513	0.0558	0.0551	0.0613	0.0644	0.0585	-----	-----	0.0580	8.95	0.997	0.999	7.4	0.05	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Camphor	1	0	Avg	0.0199	0.0166	0.0228	0.0203	0.0219	0.0215	0.0198	-----	-----	0.0204	9.39	0.998	1.00	9.8		200.0	50.00	20.00	500.0	1000.	2500.	5000.		
Hexachlorobutadiene	1	0	Avg	0.1302	0.1078	0.1100	0.1455	0.1519	0.1524	0.1419	-----	-----	0.134	9.53	0.999	1.00	14		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2,4-Trichlorobenzen	1	0	Avg	0.2565	0.2569	0.2384	0.2850	0.2969	0.2871	0.2576	-----	-----	0.268	9.45	0.997	1.00	7.9	0.20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2,3-Trichlorobenzen	1	0	Avg	0.2554	0.2566	0.2384	0.2848	0.2927	0.2926	0.2533	-----	-----	0.268	9.75	0.994	1.00	8.2		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Naphthalene	1	0	Avg	0.6752	0.6020	0.6054	0.7463	0.7946	0.7577	0.6562	0.5601	-----	0.675	9.61	0.994	1.00	13		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	

Flags	*Note:* Avg Rsd: 10.02
a - failed the min rf criteria	*Corr 1 = Correlation Coefficient for linear Eq.*
c - failed the minimum correlation coeff criteria(if applicable)	*Corr 2 = Correlation Coefficient for quad Eq.*
	Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

1051310 0264

Method: EPA 8260D

Form 6
Initial Calibration

Instrument: GCMS_6

Level #	Data File	Cal Identifier	Analysis Date/Time	Level #	Data File	Cal Identifier	Analysis Date/Time
1	6M140251.D	CAL @ 20 PPB	05/20/21 19:01	2	6M140250.D	CAL @ 5 PPB	05/20/21 18:40
3	6M140249.D	CAL @ 2 PPB	05/20/21 18:18	4	6M140252.D	CAL @ 50 PPB	05/20/21 19:22
5	6M140254.D	CAL @ 100 PPB	05/20/21 20:05	6	6M140255.D	CAL @ 250 PPB	05/20/21 20:27
7	6M140257.D	CAL @ 500 PPB	05/20/21 21:10	8	6M140248.D	CAL @ 1 PPB	05/20/21 17:57
9	6M140247.D	CAL @ 0.5 PPB	05/20/21 17:35				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	Qua	0.1733	0.1517	0.2795	0.1801	0.1711	0.1945	0.1742	----	----	0.189	1.64	0.997	0.999	22	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Dichlorodifluorometha	1	0	Avg	0.1651	0.1870	0.2239	0.1800	0.1769	0.1965	0.1694	----	----	0.186	1.63	0.994	0.999	11	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chloromethane	1	0	Avg	0.2936	0.3471	0.3716	0.2885	0.2706	0.2545	0.2501	----	----	0.297	1.81	1.00	1.00	16	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromomethane	1	0	Qua	0.2227	0.2798	0.3368	0.2136	0.2084	0.2050	0.2208	----	----	0.241	2.23	0.999	1.00	20	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Vinyl Chloride	1	0	Avg	0.2797	0.2866	0.3478	0.2873	0.2815	0.2730	0.2689	----	----	0.289	1.91	1.00	1.00	9.2	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chloroethane	1	0	Avg	0.1786	0.1999	0.2091	0.1813	0.1801	0.1650	0.1669	----	----	0.183	2.32	1.00	1.00	8.9	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Trichlorofluoromethan	1	0	Avg	0.4911	0.5288	0.5686	0.4960	0.4814	0.4409	0.4425	----	----	0.493	2.55	1.00	1.00	9.2	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethyl ether	1	0	Avg	0.1920	0.1866	0.1985	0.1866	0.1840	0.1778	0.1826	----	----	0.187	2.79	1.00	1.00	3.6	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Furan	1	0	Avg	0.3669	0.3835	0.4225	0.3751	0.3663	0.3582	0.3781	----	----	0.379	2.84	0.999	1.00	5.6	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,1,2-Trichloro-1,2,2-tr	1	0	Avg	0.1957	0.2092	0.2269	0.2102	0.2066	0.2041	0.2076	----	----	0.209	3.00	1.00	1.00	4.5	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methylene Chloride	1	0	Avg	0.2913	0.2890	0.3348	0.2926	0.2812	0.2830	0.2909	----	----	0.295	3.42	1.00	1.00	6.2	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Acrolein	1	0	Avg	0.0419	0.0384	0.0435	0.0420	0.0415	0.0437	0.0457	----	----	0.0424	2.91	0.999	1.00	5.4		100.0	25.00	10.00	250.0	500.0	1250.	2500.		
Acrylonitrile	1	0	Avg	0.0901	0.1205	0.0954	0.0983	0.1024	0.1002	0.1010	----	----	0.101	3.63	1.00	1.00	9.4		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Iodomethane	1	0	Qua	0.1935	0.1367	0.1178	0.2765	0.3067	0.3588	0.3814	----	----	0.253	3.15	0.998	1.00	42		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Acetone	1	0	Avg	0.0643	0.0704	0.0886	0.0657	0.0638	0.0687	0.0719	----	----	0.0705	3.04	0.999	1.00	12	0.10 a	100.0	25.00	10.00	250.0	500.0	1250.	2500.		
Carbon Disulfide	1	0	Avg	0.7198	0.7425	0.7516	0.7405	0.7316	0.7382	0.7683	----	----	0.742	3.22	1.00	1.00	2.1	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
t-Butyl Alcohol	1	0	Avg	0.0262	0.0293	0.0255	0.0282	0.0277	0.0300	0.0315	----	----	0.0284	3.50	0.999	1.00	7.4		100.0	25.00	10.00	250.0	500.0	1250.	2500.		
n-Hexane	1	0	Avg	0.2730	0.3038	0.3160	0.2873	0.2897	0.2773	0.2805	----	----	0.290	3.90	1.00	1.00	5.3		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Di-isopropyl-ether	1	0	Avg	0.8005	0.7819	0.8271	0.8304	0.8473	0.8038	0.7902	----	----	0.812	4.06	1.00	1.00	2.9		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,1-Dichloroethene	1	0	Avg	0.2810	0.2981	0.3267	0.3033	0.2995	0.3039	0.3223	----	----	0.305	3.01	0.999	1.00	5.1	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methyl Acetate	1	0	Avg	0.1930	0.2317	0.2883	0.2024	0.1956	0.2078	0.2074	----	----	0.218	3.33	1.00	1.00	15	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methyl-t-butyl ether	1	0	Avg	0.6588	0.6629	0.7097	0.6951	0.7193	0.7235	0.7329	0.7302	----	0.704	3.66	1.00	1.00	4.2	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
1,1-Dichloroethane	1	0	Avg	0.4526	0.4499	0.4541	0.4481	0.4444	0.4454	0.4480	----	----	0.449	4.02	1.00	1.00	0.79	0.20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
trans-1,2-Dichloroethe	1	0	Avg	0.2821	0.2736	0.3085	0.3024	0.2854	0.2877	0.2896	----	----	0.290	3.67	1.00	1.00	4.1	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethyl-t-butyl ether	1	0	Avg	0.7118	0.6898	0.7189	0.7723	0.7882	0.7650	0.7668	----	----	0.745	4.32	1.00	1.00	5.0	0.50	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
cis-1,2-Dichloroethene	1	0	Avg	0.4372	0.4457	0.4878	0.4452	0.4489	0.4320	0.4253	----	----	0.446	4.43	1.00	1.00	4.5	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromochloromethane	1	0	Avg	0.2365	0.2270	0.2514	0.2239	0.2254	0.2098	0.2040	----	----	0.225	4.59	1.00	1.00	7.0		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2,2-Dichloropropane	1	0	Avg	0.3214	0.3314	0.2980	0.3403	0.3566	0.3666	0.3634	----	----	0.340	4.44	1.00	1.00	7.3		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethyl acetate	1	0	Avg	0.2876	0.3381	0.3726	0.2640	0.2873	0.2791	0.2779	----	----	0.301	4.46	1.00	1.00	13		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,4-Dioxane	1	0	Avg	0.0039	0.0039	0.0043	0.0041	0.0042	0.0040	0.0040	----	----	0.00412	5.51	1.00	1.00	3.8		1000.	250.0	100.0	2500.	5000.	12500	25000		
1,1-Dichloropropene	1	0	Avg	0.3484	0.3595	0.3784	0.3717	0.3728	0.3492	0.3392	----	----	0.360	4.85	1.00	1.00	4.1		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chloroform	1	0	Avg	0.5031	0.4838	0.4661	0.5039	0.5137	0.5025	0.5030	----	----	0.497	4.63	1.00	1.00	3.2	0.20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Dibromofluoromethan	1	0	Avg	0.2970	0.3093	0.3133	0.3005	0.2978	0.3177	0.3157	0.2940	0.2997	0.305	4.73	-1	-1	3.0		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	0.3496	0.3962	0.3550	0.3668	0.3802	0.3510	0.3411	----	----	0.363	4.80	0.999	1.00	5.4	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2-Dichloroethane-d4	1	0	Avg	0.1166	0.1122	0.1152	0.1177	0.1232	0.1191	0.1268	0.1229	0.1189	0.119	4.93	-1	-1	3.8		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1,2-Dichloroethane	1	0	Avg	0.3368	0.3497	0.4143	0.3464	0.3584	0.3403	0.3374	----	----	0.355	4.97	1.00	1.00	7.7	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2-Butanone	1	0	Avg	0.1117	0.1411	0.1673	0.1479	0.1194	0.1161	0.1123	----	----	0.131	4.43	0.999	0.999	16	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,1,1-Trichloroethane	1	0	Avg	0.4524	0.4565	0.4427	0.4493	0.4650	0.4577	0.4582	----	----	0.455	4.76	1.00	1.00	1.6	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Carbon Tetrachloride	1	0	Qua	0.3466	0.2931	0.2136	0.3907	0.4056	0.4048	0.4044	----	----	0.351	4.85	1.00	1.00	21	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Vinyl Acetate	1	0	Avg	0.7565	0.7169	0.6851	0.7901	0.8343	0.8494	0.8576	----	----	0.784	4.06	1.00	1.00	8.6		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromodichloromethan	1	0	Avg	0.3811	0.3591	0.4014	0.4016	0.4102	0.4033	0.4065	----	----	0.395	5.59	1.00	1.00	4.6	0.20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		

Flags

a - failed the min rf criteria

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.898

Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

1051310 0265

Method: EPA 8260D

Form 6
Initial Calibration

Instrument: GCMS_6

Level #	Data File	Cal Identifier	Analysis Date/Time	Level #	Data File	Cal Identifier	Analysis Date/Time
1	6M140251.D	CAL @ 20 PPB	05/20/21 19:01	2	6M140250.D	CAL @ 5 PPB	05/20/21 18:40
3	6M140249.D	CAL @ 2 PPB	05/20/21 18:18	4	6M140252.D	CAL @ 50 PPB	05/20/21 19:22
5	6M140254.D	CAL @ 100 PPB	05/20/21 20:05	6	6M140255.D	CAL @ 250 PPB	05/20/21 20:27
7	6M140257.D	CAL @ 500 PPB	05/20/21 21:10	8	6M140248.D	CAL @ 1 PPB	05/20/21 17:57
9	6M140247.D	CAL @ 0.5 PPB	05/20/21 17:35				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Methylcyclohexane	1	0	Avg	0.4275	0.4771	0.4675	0.4649	0.4552	0.4165	0.4008	----	----	0.444	5.45	0.999	1.00	6.6	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Dibromomethane	1	0	Avg	0.2289	0.2043	0.2423	0.2239	0.2292	0.2224	0.2300	----	----	0.226	5.52	1.00	1.00	5.1		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2-Dichloropropane	1	0	Avg	0.2872	0.2775	0.2553	0.2779	0.2788	0.2622	0.2537	----	----	0.270	5.45	0.999	1.00	4.9	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Trichloroethene	1	0	Avg	0.3452	0.3780	0.3913	0.3572	0.3533	0.3429	0.3424	----	----	0.359	5.32	1.00	1.00	5.3	0.20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Benzene	1	0	Avg	1.1226	1.1287	1.1704	1.1346	1.1386	1.0305	1.0075	1.3947	----	1.14	4.97	0.999	1.00	10	0.50	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
tert-Amyl methyl ether	1	0	Avg	0.6642	0.6265	0.6722	0.7203	0.7446	0.7130	0.7096	----	----	0.693	5.01	1.00	1.00	5.8		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Iso-propylacetate	1	0	Avg	0.3481	0.3444	0.3731	0.3700	0.4036	0.3901	0.3749	----	----	0.372	4.97	0.999	1.00	5.7	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methyl methacrylate	1	0	Avg	0.1794	0.1714	0.1646	0.1795	0.1852	0.1824	0.1839	----	----	0.178	5.48	1.00	1.00	4.2	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Dibromochloromethan	1	0	Avg	0.2467	0.2644	0.2314	0.2680	0.2910	0.3039	0.2996	----	----	0.272	6.44	1.00	1.00	10	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2-Chloroethylvinylethe	1	0	Avg	0.0137	0.0163	0.0175	0.0136	0.0131	0.0139	0.0140	----	----	0.0146	5.73	1.00	1.00	11		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
cis-1,3-Dichloropropen	1	0	Avg	0.3048	0.2999	0.2988	0.3314	0.3567	0.3607	0.3489	----	----	0.329	5.82	1.00	1.00	8.3	0.20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
trans-1,3-Dichloroprop	1	0	Avg	0.2471	0.2473	0.2349	0.2834	0.3054	0.3220	0.3163	----	----	0.280	6.11	1.00	1.00	13	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethyl methacrylate	1	0	Avg	0.1797	0.1758	0.2308	0.1960	0.2056	0.2051	0.1928	----	----	0.198	6.13	0.999	1.00	9.3	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,1,2-Trichloroethane	1	0	Avg	0.2069	0.2196	0.2153	0.2197	0.2229	0.2191	0.2187	----	----	0.218	6.22	1.00	1.00	2.4	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2-Dibromoethane	1	0	Avg	0.2119	0.2148	0.2035	0.2272	0.2420	0.2393	0.2347	0.2232	0.1447	0.216	6.52	1.00	1.00	14	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	0.50
1,3-Dichloropropane	1	0	Avg	0.3344	0.3691	0.3039	0.3496	0.3611	0.3378	0.3169	----	----	0.339	6.31	0.999	1.00	6.9		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
4-Methyl-2-Pentanone	1	0	Avg	0.1910	0.2059	0.2193	0.2181	0.2308	0.2264	0.2184	----	----	0.216	5.89	1.00	1.00	6.2	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2-Hexanone	1	0	Avg	0.1345	0.1534	0.1709	0.1473	0.1600	0.1570	0.1476	----	----	0.153	6.32	0.999	1.00	7.5	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Tetrachloroethene	1	0	Avg	0.1916	0.2022	0.2142	0.2033	0.2131	0.2077	0.2025	----	----	0.205	6.32	1.00	1.00	3.7	0.20 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Toluene-d8	1	0	Avg	0.9321	0.9493	0.9362	0.9434	0.9470	0.9918	0.9509	0.9372	0.9220	0.946	5.98	-1	-1	2.1		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	0.5688	0.5937	0.6359	0.5890	0.6102	0.5872	0.5631	0.8829	----	0.629	6.02	0.999	1.00	17	0.40	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
1,1,1,2-Tetrachloroeth	1	0	Avg	0.2237	0.2240	0.2098	0.2427	0.2594	0.2610	0.2583	----	----	0.240	6.81	1.00	1.00	8.7		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chlorobenzene	1	0	Avg	0.6793	0.7392	0.7517	0.7080	0.7354	0.6900	0.6693	----	----	0.710	6.78	1.00	1.00	4.5	0.50	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
n-Butyl acrylate	1	0	Avg	0.4707	0.4811	0.4995	0.5217	0.5712	0.5304	0.5200	----	----	0.514	7.01	0.999	1.00	6.6	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
n-Amyl acetate	1	0	Avg	0.4479	0.4589	0.4756	0.5000	0.5215	0.4715	0.4563	----	----	0.476	7.13	0.999	1.00	5.5	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromoform	1	0	Avg	0.2577	0.2561	0.2515	0.2621	0.3023	0.2923	0.3088	----	----	0.276	7.23	0.999	1.00	8.8	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethylbenzene	1	0	Avg	0.4183	0.4809	0.4574	0.4430	0.4510	0.3896	0.3823	0.5684	----	0.449	6.82	0.999	0.999	13	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
1,1,2,2-Tetrachloroeth	1	0	Avg	0.4181	0.4324	0.4981	0.4346	0.4508	0.3993	0.3908	----	----	0.432	7.44	0.999	1.00	8.3	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromofluorobenzene	1	0	Avg	0.7179	0.7372	0.7346	0.7019	0.7179	0.6819	0.6971	0.7365	0.7200	0.716	7.39	-1	-1	2.7		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	1.0655	1.1437	1.0805	1.1200	1.1216	1.0281	0.9952	----	----	1.08	7.10	0.999	1.00	5.0	0.30	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
m&p-Xylenes	1	0	Qua	0.6245	0.6446	0.6884	0.6460	0.6548	0.5817	0.5462	0.8358	1.1373	0.707	6.87	0.998	1.00	26	0.10	40.00	10.00	4.00	100.0	200.0	500.0	1000.	2.00	1.00
o-Xylene	1	0	Avg	0.6133	0.6684	0.6653	0.6470	0.6579	0.5928	0.5791	0.8389	----	0.658	7.10	0.999	1.00	12	0.30	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
trans-1,4-Dichloro-2-b	1	0	Avg	0.1325	0.1443	0.1397	0.1534	0.1620	0.1441	0.1374	----	----	0.145	7.46	0.998	1.00	6.9		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,3-Dichlorobenzene	1	0	Avg	0.8338	0.8657	0.9096	0.8986	0.9012	0.8403	0.8213	----	----	0.867	8.01	1.00	1.00	4.2	0.60	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,4-Dichlorobenzene	1	0	Avg	0.8153	0.9263	1.0227	0.8873	0.8750	0.8255	0.8132	----	----	0.881	8.06	1.00	1.00	8.6	0.50	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2-Dichlorobenzene	1	0	Avg	0.8048	0.8492	0.9099	0.8443	0.8617	0.8090	0.7918	----	----	0.839	8.29	1.00	1.00	4.9	0.40	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Isopropylbenzene	1	0	Avg	1.6034	1.8199	1.7940	1.6937	1.7253	1.5439	1.4540	2.2301	----	1.73	7.29	0.998	1.00	14	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	Qua	0.0128	0.0161	0.0267	0.0116	0.0119	0.0108	0.0113	----	----	0.0145	7.37	0.999	1.00	39		100.0	25.00	10.00	250.0	500.0	1250.	2500.		
Camphene	1	0	Avg	0.5206	0.5220	0.5684	0.5336	0.5658	0.4964	0.4676	----	----	0.525	7.46	0.998	1.00	6.9		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2,3-Trichloropropane	1	0	Avg	0.4659	0.4803	0.4734	0.4758	0.4995	0.4560	0.4316	----	----	0.469	7.48	0.999	1.00	4.5		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2-Chlorotoluene	1	0	Avg	0.9861	1.0001	1.0570	1.0179	1.0248	0.8825	0.8121	----	----	0.969	7.59	0.997	0.999	9.1		20.00	5.00	2.00	50.00	100.0	250.0	500.0		

Flags

a - failed the min rf criteria

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.898

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Method: EPA 8260D

Form 6
Initial Calibration

Instrument: GCMS_6

Level #	Data File:	Cal Identifier:	Analysis Date/Time	Level #	Data File:	Cal Identifier:	Analysis Date/Time
1	6M140251.D	CAL @ 20 PPB	05/20/21 19:01	2	6M140250.D	CAL @ 5 PPB	05/20/21 18:40
3	6M140249.D	CAL @ 2 PPB	05/20/21 18:18	4	6M140252.D	CAL @ 50 PPB	05/20/21 19:22
5	6M140254.D	CAL @ 100 PPB	05/20/21 20:05	6	6M140255.D	CAL @ 250 PPB	05/20/21 20:27
7	6M140257.D	CAL @ 500 PPB	05/20/21 21:10	8	6M140248.D	CAL @ 1 PPB	05/20/21 17:57
9	6M140247.D	CAL @ 0.5 PPB	05/20/21 17:35				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
p-Ethyltoluene	1	0	Avg	1.6456	1.8470	1.7370	1.7632	1.7570	1.5572	1.6223	----	----	1.70	7.57	0.999	0.999	5.8		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
4-Chlorotoluene	1	0	Avg	0.9746	0.9884	1.0869	1.0091	0.9969	0.8788	0.8079	----	----	0.963	7.65	0.997	1.00	9.5		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
n-Propylbenzene	1	0	Avg	1.8357	2.0347	2.1195	1.9754	1.9784	1.7242	1.5755	2.6206	----	1.98	7.52	0.996	1.00	16		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
Bromobenzene	1	0	Avg	0.8552	0.9513	1.0019	0.9294	0.9540	0.8511	0.7896	----	----	0.905	7.49	0.998	1.00	8.2		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,3,5-Trimethylbenzen	1	0	Avg	1.3178	1.3577	1.3853	1.4090	1.3943	1.2343	1.0073	1.7471	----	1.36	7.60	0.987	1.00	15		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
Butyl methacrylate	1	0	Avg	0.4133	0.3495	0.4261	0.4311	0.4396	0.3733	0.3623	0.4825	----	0.410	7.61	0.998	0.999	11	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
t-Butylbenzene	1	0	Avg	1.3480	1.5373	1.5836	1.4738	1.4834	1.3456	1.3204	1.8654	----	1.49	7.80	0.999	1.00	12		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
1,2,4-Trimethylbenzen	1	0	Avg	1.3783	1.5209	1.5507	1.4535	1.4551	1.3199	1.2578	1.7296	----	1.46	7.82	0.999	1.00	10		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	Avg	1.7246	1.8716	1.9356	1.8950	1.9100	1.6939	1.6017	2.3848	----	1.88	7.93	0.998	1.00	13		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	Avg	1.4743	1.6170	1.6551	1.6146	1.6325	1.4933	1.4492	1.9486	----	1.61	7.99	0.999	1.00	9.8		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
n-Butylbenzene	1	0	Avg	1.6113	1.6352	1.8432	1.7230	1.7033	1.5144	1.4359	2.4075	----	1.73	8.23	0.998	1.00	17		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
p-Diethylbenzene	1	0	Avg	0.8616	0.9140	0.9598	0.9415	0.9667	0.8918	0.8762	----	----	0.916	8.21	1.00	1.00	4.5		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2,4,5-Tetramethylbe	1	0	Avg	1.2639	1.3092	1.3123	1.4173	1.4324	1.3562	1.3531	----	----	1.35	8.68	1.00	1.00	4.5		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2-Dibromo-3-Chloro	1	0	Avg	0.1007	0.1008	0.0989	0.1036	0.1141	0.1176	0.1266	----	----	0.109	8.74	0.999	1.00	9.8	0.05	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Camphor	1	0	Avg	0.0423	0.0477	0.0716	0.0443	0.0462	0.0480	0.0485	----	----	0.0498	9.18	1.00	1.00	20		200.0	50.00	20.00	500.0	1000.	2500.	5000.		
Hexachlorobutadiene	1	0	Avg	0.2586	0.3129	0.3615	0.2858	0.2916	0.2828	0.2945	----	----	0.298	9.32	1.00	1.00	11		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2,4-Trichlorobenzen	1	0	Avg	0.5128	0.5773	0.6421	0.5545	0.5517	0.5330	0.5566	----	----	0.561	9.23	1.00	1.00	7.3	0.20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2,3-Trichlorobenzen	1	0	Avg	0.4724	0.4924	0.6329	0.5213	0.5279	0.5111	0.5165	----	----	0.525	9.54	1.00	1.00	9.8		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Naphthalene	1	0	Qua	1.3462	1.4303	1.5001	1.4404	1.4848	1.4687	1.4609	2.4197	----	1.57	9.39	1.00	1.00	22		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	

Flags

a - failed the min rf criteria

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 8.898

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 11M91235.D **Instrument:** GCMS 11

Cont Calibration Date/Time 5/17/2021 8:56:00 A Method: EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.95	30.00	30	**			0.000	0.00	
Chlorodifluoromethane	1	0		1.69	21.07	20	20	0.1	0.232	0.245	5.35	
Dichlorodifluoromethane	1	0		1.67	34.30	20	20	0.1	0.117	0.201	71.48	C1
Chloromethane	1	0		1.85	24.99	20	20	0.1	0.158	0.197	24.97	C1
Bromomethane	1	0		2.24	12.04	20	20	0.1	0.355	0.214	39.79	C1
Vinyl Chloride	1	0		1.93	23.88	20	20	0.1	0.255	0.305	19.39	
Chloroethane	1	0		2.32	20.28	20	20	0.1	0.247	0.250	1.41	
Trichlorofluoromethane	1	0		2.54	20.56	20	20	0.1	0.706	0.726	2.78	
Ethyl ether	1	0		2.77	23.64	20	20	0.5	0.149	0.176	18.21	
Furan	1	0		2.81	20.37	20	20	0.5	0.252	0.257	1.85	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.96	22.76	20	20	0.1	0.191	0.218	13.79	
Methylene Chloride	1	0		3.36	21.36	20	20	0.1	0.231	0.247	6.81	
Acrolein	1	0		2.88	136.58	100	20		0.029	0.044	36.58	C1
Acrylonitrile	1	0		3.56	29.89	20	20		0.066	0.098	49.46	C1
Iodomethane	1	0		3.10	16.79	20	20		0.184	0.231	16.04	
Acetone	1	0		3.00	130.00	100	20	0.1	0.053	0.069	30.00	C1
Carbon Disulfide	1	0		3.17	18.97	20	20	0.1	0.601	0.570	5.16	
t-Butyl Alcohol	1	0		3.43	66.84	100	20		0.036	0.024	33.16	C1
n-Hexane	1	0		3.80	25.53	20	20		0.150	0.192	27.64	C1
Di-isopropyl-ether	1	0		3.94	26.00	20	20		0.392	0.509	29.98	C1
1,1-Dichloroethene	1	0		2.97	20.28	20	20	0.1	0.294	0.298	1.41	
Methyl Acetate	1	0		3.27	30.00	20	20	0.1	0.114	0.170	50.01	C1
Methyl-t-butyl ether	1	0		3.58	27.99	20	20	0.1	0.511	0.715	39.95	C1
1,1-Dichloroethane	1	0		3.92	19.79	20	20	0.2	0.363	0.359	1.03	
trans-1,2-Dichloroethene	1	0		3.59	19.22	20	20	0.1	0.251	0.242	3.90	
Ethyl-t-butyl ether	1	0		4.19	21.43	20	20	0.5	0.554	0.594	7.14	
cis-1,2-Dichloroethene	1	0		4.30	19.86	20	20	0.1	0.361	0.358	0.72	
Bromochloromethane	1	0		4.45	22.43	20	20		0.157	0.176	12.16	
2,2-Dichloropropane	1	0		4.31	20.52	20	20		0.342	0.350	2.59	
Ethyl acetate	1	0		4.32	20.86	20	20		0.224	0.234	4.32	
1,4-Dioxane	1	0		5.33	687.59	1000	20		0.005	0.004	31.24	C1
1,1-Dichloropropene	1	0		4.69	18.97	20	20		0.334	0.317	5.15	
Chloroform	1	0		4.48	20.86	20	20	0.2	0.444	0.463	4.32	
Dibromofluoromethane	1	0	S	4.57	30.30	30	**		0.290	0.293	0.99	
Cyclohexane	1	0		4.64	23.37	20	20	0.1	0.217	0.253	16.86	
1,2-Dichloroethane-d4	1	0	S	4.77	31.68	30	**		0.128	0.135	5.61	
1,2-Dichloroethane	1	0		4.81	19.51	20	20	0.1	0.352	0.344	2.44	
2-Butanone	1	0		4.30	20.89	20	20	0.1	0.098	0.103	4.47	
1,1,1-Trichloroethane	1	0		4.60	18.67	20	20	0.1	0.421	0.393	6.63	
Carbon Tetrachloride	1	0		4.70	17.51	20	20	0.1	0.380	0.332	12.47	
Vinyl Acetate	1	0		3.93	20.86	20	20		0.557	0.656	4.28	
Bromodichloromethane	1	0		5.40	20.24	20	20	0.2	0.357	0.362	1.20	
Methylcyclohexane	1	0		5.26	21.13	20	20	0.1	0.306	0.323	5.63	
Dibromomethane	1	0		5.33	19.36	20	20		0.216	0.209	3.19	
1,2-Dichloropropane	1	0		5.27	21.04	20	20	0.1	0.211	0.222	5.21	
Trichloroethene	1	0		5.15	18.19	20	20	0.2	0.308	0.281	9.04	
Benzene	1	0		4.81	19.59	20	20	0.5	0.976	0.956	2.03	
tert-Amyl methyl ether	1	0		4.85	19.08	20	20		0.663	0.632	4.58	
Chlorobenzene-d5	1	0	I	6.54	30.00	30	**			0.000	0.00	
Iso-propylacetate	1	0		4.81	20.87	20	20	0.5	0.484	0.492	4.36	
Methyl methacrylate	1	0		5.29	20.77	20	20	0.5	0.201	0.209	3.85	
Dibromochloromethane	1	0		6.23	20.74	20	20	0.1	0.346	0.359	3.68	

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 11M91235.D **Instrument:** GCMS 11

Cont Calibration Date/Time 5/17/2021 8:56:00 A **Method:** EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
2-Chloroethylvinylether	1	0		5.53	4.80	20	20		0.072	0.021	75.99	C1
cis-1,3-Dichloropropene	1	0		5.63	22.99	20	20	0.2	0.396	0.456	14.95	
trans-1,3-Dichloropropene	1	0		5.91	22.34	20	20	0.1	0.389	0.434	11.70	
Ethyl methacrylate	1	0		5.93	20.98	20	20	0.5	0.202	0.212	4.91	
1,1,2-Trichloroethane	1	0		6.01	22.13	20	20	0.1	0.280	0.309	10.63	
1,2-Dibromoethane	1	0		6.31	22.04	20	20	0.1	0.304	0.334	10.18	
1,3-Dichloropropane	1	0		6.11	22.21	20	20		0.458	0.509	11.07	
4-Methyl-2-Pentanone	1	0		5.69	20.27	20	20	0.1	0.250	0.253	1.36	
2-Hexanone	1	0		6.12	18.16	20	20	0.1	0.192	0.182	9.22	
Tetrachloroethene	1	0		6.11	18.62	20	20	0.2	0.289	0.270	6.88	
Toluene-d8	1	0	S	5.78	30.68	30	**		1.201	1.228	2.26	
Toluene	1	0		5.81	20.78	20	20	0.4	0.730	0.759	3.91	
1,1,1,2-Tetrachloroethane	1	0		6.59	19.44	20	20		0.315	0.306	2.81	
Chlorobenzene	1	0		6.56	20.98	20	20	0.5	0.844	0.885	4.89	
1,4-Dichlorobenzene-d4	1	0	I	7.81	30.00	30	**			0.000	0.00	
n-Butyl acrylate	1	0		6.79	20.96	20	20	0.5	0.817	0.856	4.79	
n-Amyl acetate	1	0		6.91	17.49	20	20	0.5	0.723	0.746	12.54	
Bromoform	1	0		7.00	20.73	20	20	0.1	0.472	0.490	3.66	
Ethylbenzene	1	0		6.59	20.18	20	20	0.1	0.720	0.727	0.88	
1,1,2,2-Tetrachloroethane	1	0		7.21	22.78	20	20	0.1	0.709	0.807	13.88	
Bromofluorobenzene	1	0	S	7.16	30.70	30	**		0.783	0.801	2.32	
Styrene	1	0		6.87	19.80	20	20	0.3	1.718	1.726	1.01	
m&p-Xylenes	1	0		6.65	41.64	40	20	0.1	0.927	0.965	4.10	
o-Xylene	1	0		6.87	19.03	20	20	0.3	1.017	0.968	4.83	
trans-1,4-Dichloro-2-butene	1	0		7.23	21.33	20	20		0.252	0.265	6.65	
1,3-Dichlorobenzene	1	0		7.78	19.54	20	20	0.6	1.184	1.156	2.31	
1,4-Dichlorobenzene	1	0		7.82	20.51	20	20	0.5	1.200	1.230	2.53	
1,2-Dichlorobenzene	1	0		8.04	21.27	20	20	0.4	1.077	1.145	6.36	
Isopropylbenzene	1	0		7.06	20.10	20	20	0.1	2.364	2.377	0.52	
Cyclohexanone	1	0		7.13	110.43	100	20		0.022	0.024	10.43	
Camphene	1	0		7.23	20.71	20	20		0.573	0.593	3.54	
1,2,3-Trichloropropane	1	0		7.25	21.67	20	20		0.882	0.956	8.34	
2-Chlorotoluene	1	0		7.36	19.29	20	20		1.382	1.333	3.54	
p-Ethyltoluene	1	0		7.34	19.78	20	20		2.359	2.333	1.12	
4-Chlorotoluene	1	0		7.41	19.58	20	20		1.314	1.287	2.08	
n-Propylbenzene	1	0		7.29	20.75	20	20		2.607	2.705	3.76	
Bromobenzene	1	0		7.26	21.36	20	20		1.283	1.370	6.79	
1,3,5-Trimethylbenzene	1	0		7.37	17.64	20	20		1.914	1.882	11.80	
Butyl methacrylate	1	0		7.38	20.75	20	20	0.5	0.535	0.536	3.76	
t-Butylbenzene	1	0		7.57	19.75	20	20		1.826	1.803	1.24	
1,2,4-Trimethylbenzene	1	0		7.59	20.38	20	20		1.865	1.900	1.90	
sec-Butylbenzene	1	0		7.69	20.64	20	20		2.140	2.208	3.21	
4-Isopropyltoluene	1	0		7.76	20.74	20	20		1.861	1.930	3.72	
n-Butylbenzene	1	0		7.99	21.13	20	20		1.853	1.958	5.66	
p-Diethylbenzene	1	0		7.97	20.96	20	20		1.056	1.107	4.81	
1,2,4,5-Tetramethylbenzene	1	0		8.43	23.04	20	20		1.361	1.568	15.22	
1,2-Dibromo-3-Chloropropane	1	0		8.49	21.16	20	20	0.05	0.172	0.182	5.80	
Camphor	1	0		8.93	170.32	200	20		0.072	0.068	14.84	
Hexachlorobutadiene	1	0		9.07	22.18	20	20		0.216	0.240	10.92	
1,2,4-Trichlorobenzene	1	0		8.98	24.65	20	20	0.2	0.521	0.642	23.25	C1
1,2,3-Trichlorobenzene	1	0		9.29	30.96	20	20		0.345	0.534	54.82	C1
Naphthalene	1	0		9.14	30.25	20	20		1.251	1.892	51.24	C1

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 11M91304.D **Instrument:** GCMS 11

Cont Calibration Date/Time 5/18/2021 10:02:00 **Method:** EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.95	30.00	30	**			0.000	0.00	
Chlorodifluoromethane	1	0		1.69	14.26	20	20	0.1	0.232	0.165	28.71	C1
Dichlorodifluoromethane	1	0		1.67	16.50	20	20	0.1	0.117	0.097	17.50	
Chloromethane	1	0		1.86	17.94	20	20	0.1	0.158	0.142	10.29	
Bromomethane	1	0		2.23	10.04	20	20	0.1	0.355	0.178	49.81	C1
Vinyl Chloride	1	0		1.94	19.08	20	20	0.1	0.255	0.244	4.60	
Chloroethane	1	0		2.32	19.77	20	20	0.1	0.247	0.244	1.13	
Trichlorofluoromethane	1	0		2.54	18.96	20	20	0.1	0.706	0.669	5.19	
Ethyl ether	1	0		2.77	22.35	20	20	0.5	0.149	0.167	11.75	
Furan	1	0		2.80	20.08	20	20	0.5	0.252	0.253	0.38	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.96	20.05	20	20	0.1	0.191	0.192	0.25	
Methylene Chloride	1	0		3.36	22.27	20	20	0.1	0.231	0.258	11.36	
Acrolein	1	0		2.88	139.18	100	20		0.029	0.045	39.18	C1
Acrylonitrile	1	0		3.57	30.03	20	20		0.066	0.098	50.14	C1
Iodomethane	1	0		3.11	14.06	20	20		0.184	0.193	29.69	C1
Acetone	1	0		3.01	134.75	100	20	0.1	0.053	0.072	34.75	C1
Carbon Disulfide	1	0		3.17	17.43	20	20	0.1	0.601	0.524	12.84	
t-Butyl Alcohol	1	0		3.43	70.99	100	20		0.036	0.026	29.01	C1
n-Hexane	1	0		3.80	22.25	20	20		0.150	0.167	11.23	
Di-isopropyl-ether	1	0		3.94	25.86	20	20		0.392	0.507	29.31	C1
1,1-Dichloroethene	1	0		2.97	18.47	20	20	0.1	0.294	0.271	7.65	
Methyl Acetate	1	0		3.27	27.71	20	20	0.1	0.114	0.157	38.54	C1
Methyl-t-butyl ether	1	0		3.58	28.16	20	20	0.1	0.511	0.719	40.80	C1
1,1-Dichloroethane	1	0		3.92	20.36	20	20	0.2	0.363	0.369	1.79	
trans-1,2-Dichloroethene	1	0		3.59	20.15	20	20	0.1	0.251	0.253	0.74	
Ethyl-t-butyl ether	1	0		4.19	22.32	20	20	0.5	0.554	0.618	11.59	
cis-1,2-Dichloroethene	1	0		4.30	20.45	20	20	0.1	0.361	0.369	2.27	
Bromochloromethane	1	0		4.45	22.55	20	20		0.157	0.177	12.75	
2,2-Dichloropropane	1	0		4.31	20.90	20	20		0.342	0.357	4.51	
Ethyl acetate	1	0		4.32	21.13	20	20		0.224	0.237	5.63	
1,4-Dioxane	1	0		5.33	643.51	1000	20		0.005	0.003	35.65	C1
1,1-Dichloropropene	1	0		4.69	19.03	20	20		0.334	0.318	4.85	
Chloroform	1	0		4.48	21.82	20	20	0.2	0.444	0.484	9.12	
Dibromofluoromethane	1	0	S	4.58	29.71	30	**		0.290	0.287	0.96	
Cyclohexane	1	0		4.64	21.54	20	20	0.1	0.217	0.234	7.70	
1,2-Dichloroethane-d4	1	0	S	4.77	32.57	30	**		0.128	0.139	8.56	
1,2-Dichloroethane	1	0		4.81	20.05	20	20	0.1	0.352	0.353	0.26	
2-Butanone	1	0		4.30	17.76	20	20	0.1	0.098	0.087	11.19	
1,1,1-Trichloroethane	1	0		4.60	19.34	20	20	0.1	0.421	0.407	3.31	
Carbon Tetrachloride	1	0		4.70	17.54	20	20	0.1	0.380	0.333	12.29	
Vinyl Acetate	1	0		3.94	21.68	20	20		0.557	0.682	8.41	
Bromodichloromethane	1	0		5.40	20.91	20	20	0.2	0.357	0.373	4.53	
Methylcyclohexane	1	0		5.26	21.52	20	20	0.1	0.306	0.329	7.59	
Dibromomethane	1	0		5.34	20.67	20	20		0.216	0.223	3.36	
1,2-Dichloropropane	1	0		5.27	21.31	20	20	0.1	0.211	0.225	6.57	
Trichloroethene	1	0		5.15	19.45	20	20	0.2	0.308	0.300	2.77	
Benzene	1	0		4.81	20.84	20	20	0.5	0.976	1.017	4.22	
tert-Amyl methyl ether	1	0		4.85	20.46	20	20		0.663	0.678	2.29	
Chlorobenzene-d5	1	0	I	6.54	30.00	30	**			0.000	0.00	
Iso-propylacetate	1	0		4.80	21.43	20	20	0.5	0.484	0.506	7.16	
Methyl methacrylate	1	0		5.29	18.42	20	20	0.5	0.201	0.185	7.90	
Dibromochloromethane	1	0		6.23	21.24	20	20	0.1	0.346	0.367	6.20	

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 11M91304.D **Instrument:** GCMS 11

Cont Calibration Date/Time 5/18/2021 10:02:00 **Method:** EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
2-Chloroethylvinylether	1	0		5.54	5.38	20	20		0.072	0.024	73.08	C1
cis-1,3-Dichloropropene	1	0		5.63	23.21	20	20	0.2	0.396	0.460	16.07	
trans-1,3-Dichloropropene	1	0		5.91	22.33	20	20	0.1	0.389	0.434	11.64	
Ethyl methacrylate	1	0		5.93	21.62	20	20	0.5	0.202	0.219	8.11	
1,1,2-Trichloroethane	1	0		6.01	22.50	20	20	0.1	0.280	0.315	12.49	
1,2-Dibromoethane	1	0		6.31	22.91	20	20	0.1	0.304	0.348	14.57	
1,3-Dichloropropane	1	0		6.11	22.40	20	20		0.458	0.513	11.99	
4-Methyl-2-Pentanone	1	0		5.69	21.52	20	20	0.1	0.250	0.269	7.58	
2-Hexanone	1	0		6.12	19.76	20	20	0.1	0.192	0.198	1.18	
Tetrachloroethene	1	0		6.11	17.38	20	20	0.2	0.289	0.251	13.12	
Toluene-d8	1	0	S	5.78	29.12	30	**		1.201	1.166	2.94	
Toluene	1	0		5.82	20.57	20	20	0.4	0.730	0.751	2.85	
1,1,1,2-Tetrachloroethane	1	0		6.59	19.54	20	20		0.315	0.307	2.28	
Chlorobenzene	1	0		6.56	21.31	20	20	0.5	0.844	0.899	6.57	
1,4-Dichlorobenzene-d4	1	0	I	7.81	30.00	30	**			0.000	0.00	
n-Butyl acrylate	1	0		6.79	21.36	20	20	0.5	0.817	0.872	6.80	
n-Amyl acetate	1	0		6.91	18.21	20	20	0.5	0.723	0.776	8.97	
Bromoform	1	0		7.00	19.94	20	20	0.1	0.472	0.471	0.32	
Ethylbenzene	1	0		6.60	19.20	20	20	0.1	0.720	0.691	4.01	
1,1,2,2-Tetrachloroethane	1	0		7.21	22.90	20	20	0.1	0.709	0.811	14.52	
Bromofluorobenzene	1	0	S	7.16	29.91	30	**		0.783	0.781	0.32	
Styrene	1	0		6.87	19.90	20	20	0.3	1.718	1.735	0.50	
m&p-Xylenes	1	0		6.66	42.15	40	20	0.1	0.927	0.977	5.38	
o-Xylene	1	0		6.87	19.78	20	20	0.3	1.017	1.006	1.11	
trans-1,4-Dichloro-2-butene	1	0		7.23	19.30	20	20		0.252	0.240	3.52	
1,3-Dichlorobenzene	1	0		7.77	20.61	20	20	0.6	1.184	1.220	3.05	
1,4-Dichlorobenzene	1	0		7.82	21.12	20	20	0.5	1.200	1.267	5.62	
1,2-Dichlorobenzene	1	0		8.05	21.93	20	20	0.4	1.077	1.181	9.64	
Isopropylbenzene	1	0		7.06	19.96	20	20	0.1	2.364	2.360	0.20	
Cyclohexanone	1	0		7.13	110.84	100	20		0.022	0.024	10.84	
Camphene	1	0		7.23	20.87	20	20		0.573	0.598	4.37	
1,2,3-Trichloropropane	1	0		7.25	20.32	20	20		0.882	0.896	1.60	
2-Chlorotoluene	1	0		7.36	19.62	20	20		1.382	1.355	1.91	
p-Ethyltoluene	1	0		7.34	19.97	20	20		2.359	2.356	0.13	
4-Chlorotoluene	1	0		7.41	19.71	20	20		1.314	1.295	1.45	
n-Propylbenzene	1	0		7.29	20.71	20	20		2.607	2.699	3.54	
Bromobenzene	1	0		7.26	21.18	20	20		1.283	1.359	5.91	
1,3,5-Trimethylbenzene	1	0		7.37	17.99	20	20		1.914	1.920	10.03	
Butyl methacrylate	1	0		7.37	20.43	20	20	0.5	0.535	0.527	2.15	
t-Butylbenzene	1	0		7.57	20.17	20	20		1.826	1.841	0.85	
1,2,4-Trimethylbenzene	1	0		7.59	21.22	20	20		1.865	1.979	6.11	
sec-Butylbenzene	1	0		7.69	20.91	20	20		2.140	2.237	4.54	
4-Isopropyltoluene	1	0		7.76	20.85	20	20		1.861	1.941	4.27	
n-Butylbenzene	1	0		7.99	21.70	20	20		1.853	2.010	8.50	
p-Diethylbenzene	1	0		7.98	21.01	20	20		1.056	1.110	5.04	
1,2,4,5-Tetramethylbenzene	1	0		8.43	24.09	20	20		1.361	1.639	20.46	
1,2-Dibromo-3-Chloropropane	1	0		8.49	21.50	20	20	0.05	0.172	0.185	7.50	
Camphor	1	0		8.93	193.94	200	20		0.072	0.078	3.03	
Hexachlorobutadiene	1	0		9.07	22.97	20	20		0.216	0.248	14.87	
1,2,4-Trichlorobenzene	1	0		8.98	26.37	20	20	0.2	0.521	0.687	31.84	C1
1,2,3-Trichlorobenzene	1	0		9.28	33.46	20	20		0.345	0.577	67.30	C1
Naphthalene	1	0		9.14	32.62	20	20		1.251	2.040	63.11	C1

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 11M91339.D **Instrument:** GCMS 11

Cont Calibration Date/Time 5/18/2021 10:35:00 P **Method:** EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.95	30.00	30	**			0.000	0.00	
Chlorodifluoromethane	1	0		1.69	13.85	20	20	0.1	0.232	0.161	30.73	C1
Dichlorodifluoromethane	1	0		1.67	16.72	20	20	0.1	0.117	0.098	16.43	
Chloromethane	1	0		1.86	17.78	20	20	0.1	0.158	0.140	11.11	
Bromomethane	1	0		2.23	11.87	20	20	0.1	0.355	0.211	40.66	C1
Vinyl Chloride	1	0		1.94	18.52	20	20	0.1	0.255	0.236	7.42	
Chloroethane	1	0		2.32	20.25	20	20	0.1	0.247	0.250	1.23	
Trichlorofluoromethane	1	0		2.54	19.34	20	20	0.1	0.706	0.683	3.30	
Ethyl ether	1	0		2.77	22.74	20	20	0.5	0.149	0.169	13.70	
Furan	1	0		2.81	19.88	20	20	0.5	0.252	0.251	0.60	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.97	19.24	20	20	0.1	0.191	0.184	3.81	
Methylene Chloride	1	0		3.36	21.46	20	20	0.1	0.231	0.248	7.31	
Acrolein	1	0		2.88	110.92	100	20		0.029	0.036	10.92	
Acrylonitrile	1	0		3.56	30.74	20	20		0.066	0.101	53.69	C1
Iodomethane	1	0		3.11	15.72	20	20		0.184	0.216	21.41	C1
Acetone	1	0		3.00	141.85	100	20	0.1	0.053	0.076	41.85	C1
Carbon Disulfide	1	0		3.17	16.44	20	20	0.1	0.601	0.494	17.82	
t-Butyl Alcohol	1	0		3.42	73.03	100	20		0.036	0.027	26.97	C1
n-Hexane	1	0		3.80	18.99	20	20		0.150	0.143	5.04	
Di-isopropyl-ether	1	0		3.95	25.74	20	20		0.392	0.504	28.68	C1
1,1-Dichloroethene	1	0		2.97	18.77	20	20	0.1	0.294	0.276	6.15	
Methyl Acetate	1	0		3.27	32.27	20	20	0.1	0.114	0.183	61.35	C1
Methyl-t-butyl ether	1	0		3.59	27.75	20	20	0.1	0.511	0.708	38.73	C1
1,1-Dichloroethane	1	0		3.91	20.36	20	20	0.2	0.363	0.369	1.80	
trans-1,2-Dichloroethene	1	0		3.59	18.77	20	20	0.1	0.251	0.236	6.15	
Ethyl-t-butyl ether	1	0		4.19	22.50	20	20	0.5	0.554	0.623	12.50	
cis-1,2-Dichloroethene	1	0		4.30	19.43	20	20	0.1	0.361	0.350	2.83	
Bromochloromethane	1	0		4.45	23.32	20	20		0.157	0.183	16.58	
2,2-Dichloropropane	1	0		4.31	14.53	20	20		0.342	0.248	27.33	C1
Ethyl acetate	1	0		4.32	21.49	20	20		0.224	0.241	7.45	
1,4-Dioxane	1	0		5.33	821.22	1000	20		0.005	0.004	17.88	
1,1-Dichloropropene	1	0		4.69	19.21	20	20		0.334	0.321	3.94	
Chloroform	1	0		4.48	20.78	20	20	0.2	0.444	0.461	3.89	
Dibromofluoromethane	1	0	S	4.58	29.39	30	**		0.290	0.284	2.03	
Cyclohexane	1	0		4.65	21.93	20	20	0.1	0.217	0.238	9.63	
1,2-Dichloroethane-d4	1	0	S	4.77	31.71	30	**		0.128	0.136	5.71	
1,2-Dichloroethane	1	0		4.81	20.14	20	20	0.1	0.352	0.355	0.70	
2-Butanone	1	0		4.30	21.71	20	20	0.1	0.098	0.107	8.55	
1,1,1-Trichloroethane	1	0		4.60	18.78	20	20	0.1	0.421	0.395	6.10	
Carbon Tetrachloride	1	0		4.70	17.48	20	20	0.1	0.380	0.332	12.58	
Vinyl Acetate	1	0		3.94	16.91	20	20		0.557	0.531	15.44	
Bromodichloromethane	1	0		5.40	20.76	20	20	0.2	0.357	0.371	3.80	
Methylcyclohexane	1	0		5.26	20.92	20	20	0.1	0.306	0.320	4.61	
Dibromomethane	1	0		5.33	21.04	20	20		0.216	0.227	5.18	
1,2-Dichloropropane	1	0		5.27	22.24	20	20	0.1	0.211	0.235	11.19	
Trichloroethene	1	0		5.15	19.35	20	20	0.2	0.308	0.298	3.24	
Benzene	1	0		4.81	20.03	20	20	0.5	0.976	0.977	0.13	
tert-Amyl methyl ether	1	0		4.85	20.65	20	20		0.663	0.684	3.23	
Chlorobenzene-d5	1	0	I	6.54	30.00	30	**			0.000	0.00	
Iso-propylacetate	1	0		4.81	22.33	20	20	0.5	0.484	0.527	11.65	
Methyl methacrylate	1	0		5.29	22.22	20	20	0.5	0.201	0.223	11.12	
Dibromochloromethane	1	0		6.23	21.41	20	20	0.1	0.346	0.370	7.07	

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 11M91339.D **Instrument:** GCMS 11

Cont Calibration Date/Time 5/18/2021 10:35:00 P Method: EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
2-Chloroethylvinylether	1	0		5.53	5.46	20	20		0.072	0.024	72.70	C1
cis-1,3-Dichloropropene	1	0		5.63	21.62	20	20	0.2	0.396	0.428	8.09	
trans-1,3-Dichloropropene	1	0		5.91	21.53	20	20	0.1	0.389	0.418	7.66	
Ethyl methacrylate	1	0		5.93	19.83	20	20	0.5	0.202	0.201	0.87	
1,1,2-Trichloroethane	1	0		6.01	22.53	20	20	0.1	0.280	0.315	12.66	
1,2-Dibromoethane	1	0		6.31	23.58	20	20	0.1	0.304	0.358	17.90	
1,3-Dichloropropane	1	0		6.11	23.06	20	20		0.458	0.528	15.31	
4-Methyl-2-Pentanone	1	0		5.69	23.01	20	20	0.1	0.250	0.287	15.03	
2-Hexanone	1	0		6.12	19.25	20	20	0.1	0.192	0.193	3.73	
Tetrachloroethene	1	0		6.11	17.57	20	20	0.2	0.289	0.254	12.14	
Toluene-d8	1	0	S	5.78	29.94	30	**		1.201	1.199	0.19	
Toluene	1	0		5.82	21.18	20	20	0.4	0.730	0.773	5.88	
1,1,1,2-Tetrachloroethane	1	0		6.59	19.76	20	20		0.315	0.311	1.22	
Chlorobenzene	1	0		6.56	21.90	20	20	0.5	0.844	0.924	9.52	
1,4-Dichlorobenzene-d4	1	0	I	7.81	30.00	30	**			0.000	0.00	
n-Butyl acrylate	1	0		6.79	20.03	20	20	0.5	0.817	0.818	0.13	
n-Amyl acetate	1	0		6.91	16.38	20	20	0.5	0.723	0.698	18.10	
Bromoform	1	0		7.00	19.93	20	20	0.1	0.472	0.471	0.35	
Ethylbenzene	1	0		6.60	19.63	20	20	0.1	0.720	0.707	1.85	
1,1,2,2-Tetrachloroethane	1	0		7.21	22.08	20	20	0.1	0.709	0.782	10.39	
Bromofluorobenzene	1	0	S	7.16	30.12	30	**		0.783	0.786	0.42	
Styrene	1	0		6.87	20.09	20	20	0.3	1.718	1.752	0.45	
m&p-Xylenes	1	0		6.65	42.64	40	20	0.1	0.927	0.989	6.60	
o-Xylene	1	0		6.87	19.22	20	20	0.3	1.017	0.978	3.90	
trans-1,4-Dichloro-2-butene	1	0		7.24	16.77	20	20		0.252	0.208	16.17	
1,3-Dichlorobenzene	1	0		7.78	20.45	20	20	0.6	1.184	1.210	2.23	
1,4-Dichlorobenzene	1	0		7.82	20.66	20	20	0.5	1.200	1.239	3.28	
1,2-Dichlorobenzene	1	0		8.04	21.42	20	20	0.4	1.077	1.154	7.12	
Isopropylbenzene	1	0		7.06	20.06	20	20	0.1	2.364	2.371	0.30	
Cyclohexanone	1	0		7.13	117.75	100	20		0.022	0.025	17.75	
Camphene	1	0		7.23	20.18	20	20		0.573	0.578	0.92	
1,2,3-Trichloropropane	1	0		7.25	20.44	20	20		0.882	0.901	2.18	
2-Chlorotoluene	1	0		7.36	18.80	20	20		1.382	1.299	6.02	
p-Ethyltoluene	1	0		7.34	19.63	20	20		2.359	2.315	1.87	
4-Chlorotoluene	1	0		7.41	19.82	20	20		1.314	1.302	0.92	
n-Propylbenzene	1	0		7.29	20.39	20	20		2.607	2.658	1.95	
Bromobenzene	1	0		7.26	21.26	20	20		1.283	1.364	6.32	
1,3,5-Trimethylbenzene	1	0		7.37	17.25	20	20		1.914	1.841	13.74	
Butyl methacrylate	1	0		7.37	20.55	20	20	0.5	0.535	0.530	2.73	
t-Butylbenzene	1	0		7.56	20.09	20	20		1.826	1.834	0.46	
1,2,4-Trimethylbenzene	1	0		7.59	20.31	20	20		1.865	1.893	1.54	
sec-Butylbenzene	1	0		7.68	20.11	20	20		2.140	2.152	0.56	
4-Isopropyltoluene	1	0		7.76	20.00	20	20		1.861	1.862	0.02	
n-Butylbenzene	1	0		7.99	20.42	20	20		1.853	1.892	2.09	
p-Diethylbenzene	1	0		7.97	20.39	20	20		1.056	1.077	1.97	
1,2,4,5-Tetramethylbenzene	1	0		8.43	23.93	20	20		1.361	1.628	19.64	
1,2-Dibromo-3-Chloropropane	1	0		8.49	21.89	20	20	0.05	0.172	0.188	9.44	
Camphor	1	0		8.93	187.58	200	20		0.072	0.075	6.21	
Hexachlorobutadiene	1	0		9.07	20.47	20	20		0.216	0.221	2.36	
1,2,4-Trichlorobenzene	1	0		8.98	24.23	20	20	0.2	0.521	0.631	21.14	C1
1,2,3-Trichlorobenzene	1	0		9.29	32.49	20	20		0.345	0.560	62.45	C1
Naphthalene	1	0		9.14	33.02	20	20		1.251	2.065	65.09	C1

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 6M140152.D **Instrument:** GCMS 6

Cont Calibration Date/Time 5/19/2021 8:33:00 A **Method:** EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	5.14	30.00	30	**			0.000	0.00	
Chlorodifluoromethane	1	0		1.67	23.33	50	20	0.1	0.259	0.121	53.34	C1
Dichlorodifluoromethane	1	0		1.65	36.14	50	20	0.1	0.089	0.064	27.73	C1
Chloromethane	1	0		1.84	37.54	50	20	0.1	0.302	0.227	24.92	C1
Bromomethane	1	0		2.25	35.70	50	20	0.1	0.254	0.182	28.60	C1
Vinyl Chloride	1	0		1.93	46.08	50	20	0.1	0.276	0.255	7.84	
Chloroethane	1	0		2.34	42.74	50	20	0.1	0.216	0.184	14.51	
Trichlorofluoromethane	1	0		2.57	68.77	50	20	0.1	0.329	0.453	37.55	C1
Ethyl ether	1	0		2.82	38.38	50	20	0.5	0.207	0.159	23.23	C1
Furan	1	0		2.87	49.13	50	20	0.5	0.344	0.338	1.74	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		3.03	98.32	50	20	0.1	0.087	0.171	96.65	C1
Methylene Chloride	1	0		3.45	48.01	50	20	0.1	0.259	0.249	3.97	
Acrolein	1	0		2.94	188.74	250	20		0.046	0.035	24.50	C1
Acrylonitrile	1	0		3.65	42.92	50	20		0.107	0.092	14.16	
Iodomethane	1	0		3.18	36.07	50	20		0.226	0.198	27.86	C1
Acetone	1	0		3.07	218.85	250	20	0.1	0.077	0.067	12.46	
Carbon Disulfide	1	0		3.25	47.84	50	20	0.1	0.603	0.577	4.32	
t-Butyl Alcohol	1	0		3.52	217.51	250	20		0.030	0.026	13.00	
n-Hexane	1	0		3.93	239.59	50	20		0.046	0.322	379.19	C1
Di-isopropyl-ether	1	0		4.07	54.30	50	20		0.708	0.769	8.60	
1,1-Dichloroethene	1	0		3.04	47.56	50	20	0.1	0.278	0.265	4.88	
Methyl Acetate	1	0		3.36	44.37	50	20	0.1	0.195	0.173	11.25	
Methyl-t-butyl ether	1	0		3.69	43.56	50	20	0.1	0.637	0.555	12.88	
1,1-Dichloroethane	1	0		4.04	46.64	50	20	0.2	0.415	0.387	6.73	
trans-1,2-Dichloroethene	1	0		3.70	56.54	50	20	0.1	0.228	0.258	13.08	
Ethyl-t-butyl ether	1	0		4.34	47.92	50	20	0.5	0.665	0.637	4.17	
cis-1,2-Dichloroethene	1	0		4.45	48.08	50	20	0.1	0.421	0.405	3.84	
Bromochloromethane	1	0		4.60	46.90	50	20		0.225	0.211	6.20	
2,2-Dichloropropane	1	0		4.45	59.72	50	20		0.275	0.328	19.43	
Ethyl acetate	1	0		4.47	49.53	50	20		0.277	0.275	0.94	
1,4-Dioxane	1	0		5.53	2481.52	2500	20		0.004	0.003	0.74	
1,1-Dichloropropene	1	0		4.86	61.85	50	20		0.262	0.324	23.70	C1
Chloroform	1	0		4.64	47.24	50	20	0.2	0.438	0.414	5.52	
Dibromofluoromethane	1	0	S	4.74	29.42	75	**		0.299	0.293	1.92	
Cyclohexane	1	0		4.81	105.72	50	20	0.1	0.183	0.387	111.44	C1
1,2-Dichloroethane-d4	1	0	S	4.94	24.50	75	**		0.136	0.111	18.33	
1,2-Dichloroethane	1	0		4.98	40.02	50	20	0.1	0.363	0.291	19.95	
2-Butanone	1	0		4.45	45.46	50	20	0.1	0.114	0.104	9.09	
1,1,1-Trichloroethane	1	0		4.77	52.64	50	20	0.1	0.349	0.367	5.28	
Carbon Tetrachloride	1	0		4.87	53.99	50	20	0.1	0.260	0.331	7.98	
Vinyl Acetate	1	0		4.07	54.79	50	20		0.655	0.717	9.58	
Bromodichloromethane	1	0		5.60	47.56	50	20	0.2	0.350	0.333	4.89	
Methylcyclohexane	1	0		5.45	131.89	50	20	0.1	0.145	0.451	163.77	C1
Dibromomethane	1	0		5.53	47.88	50	20		0.205	0.197	4.23	
1,2-Dichloropropane	1	0		5.46	50.08	50	20	0.1	0.255	0.256	0.17	
Trichloroethene	1	0		5.34	59.67	50	20	0.2	0.278	0.331	19.33	
Benzene	1	0		4.98	54.36	50	20	0.5	0.996	1.033	8.72	
tert-Amyl methyl ether	1	0		5.03	52.30	50	20		0.576	0.603	4.60	
Chlorobenzene-d5	1	0	I	6.76	30.00	30	**			0.000	0.00	
Iso-propylacetate	1	0		4.98	45.42	50	20	0.5	0.439	0.398	9.17	
Methyl methacrylate	1	0		5.48	51.61	50	20	0.5	0.180	0.186	3.23	
Dibromochloromethane	1	0		6.45	40.33	50	20	0.1	0.284	0.229	19.34	

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 6M140152.D **Instrument:** GCMS 6

Cont Calibration Date/Time 5/19/2021 8:33:00 A **Method:** EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
2-Chloroethylvinylether	1	0		5.73	43.78	50	20		0.016	0.014	12.44	
cis-1,3-Dichloropropene	1	0		5.84	44.62	50	20	0.2	0.347	0.310	10.75	
trans-1,3-Dichloropropene	1	0		6.12	43.51	50	20	0.1	0.303	0.264	12.99	
Ethyl methacrylate	1	0		6.14	52.05	50	20	0.5	0.193	0.201	4.09	
1,1,2-Trichloroethane	1	0		6.22	40.39	50	20	0.1	0.254	0.205	19.21	
1,2-Dibromoethane	1	0		6.53	47.15	50	20	0.1	0.272	0.196	5.71	
1,3-Dichloropropane	1	0		6.32	40.01	50	20		0.396	0.317	19.99	
4-Methyl-2-Pentanone	1	0		5.90	46.37	50	20	0.1	0.237	0.220	7.25	
2-Hexanone	1	0		6.33	46.29	50	20	0.1	0.174	0.161	7.42	
Tetrachloroethene	1	0		6.32	50.67	50	20	0.2	0.206	0.209	1.33	
Toluene-d8	1	0	S	5.99	27.77	75	**		1.050	0.972	7.44	
Toluene	1	0		6.03	52.63	50	20	0.4	0.646	0.584	5.27	
1,1,1,2-Tetrachloroethane	1	0		6.81	48.71	50	20		0.281	0.213	2.58	
Chlorobenzene	1	0		6.78	47.73	50	20	0.5	0.739	0.705	4.54	
1,4-Dichlorobenzene-d4	1	0	I	8.05	30.00	30	**			0.000	0.00	
n-Butyl acrylate	1	0		7.02	43.48	50	20	0.5	0.661	0.521	13.04	
n-Amyl acetate	1	0		7.13	49.07	50	20	0.5	0.545	0.534	1.87	
Bromoform	1	0		7.23	37.54	50	20	0.1	0.326	0.245	24.91	C1
Ethylbenzene	1	0		6.82	50.50	50	20	0.1	0.501	0.419	1.01	
1,1,2,2-Tetrachloroethane	1	0		7.45	37.85	50	20	0.1	0.533	0.404	24.29	C1
Bromofluorobenzene	1	0	S	7.40	26.43	75	**		0.793	0.699	11.89	
Styrene	1	0		7.10	50.75	50	20	0.3	1.027	1.043	1.50	
m&p-Xylenes	1	0		6.88	85.80	100	20	0.1	0.721	0.624	14.20	
o-Xylene	1	0		7.10	48.40	50	20	0.3	0.712	0.594	3.20	
trans-1,4-Dichloro-2-butene	1	0		7.47	52.73	50	20		0.154	0.163	5.47	
1,3-Dichlorobenzene	1	0		8.02	45.80	50	20	0.6	0.973	0.892	8.40	
1,4-Dichlorobenzene	1	0		8.07	42.20	50	20	0.5	1.027	0.867	15.60	
1,2-Dichlorobenzene	1	0		8.29	44.92	50	20	0.4	0.929	0.835	10.16	
Isopropylbenzene	1	0		7.29	56.39	50	20	0.1	1.788	1.634	12.77	
Cyclohexanone	1	0		7.37	335.09	250	20		0.018	0.017	34.03	C1
Camphene	1	0		7.47	70.64	50	20		0.407	0.534	41.27	C1
1,2,3-Trichloropropane	1	0		7.48	35.54	50	20		0.633	0.450	28.92	C1
2-Chlorotoluene	1	0		7.59	51.76	50	20		0.948	0.981	3.52	
p-Ethyltoluene	1	0		7.58	52.08	50	20		1.619	1.687	4.16	
4-Chlorotoluene	1	0		7.65	47.70	50	20		1.000	0.954	4.60	
n-Propylbenzene	1	0		7.52	56.83	50	20		2.133	1.917	13.67	
Bromobenzene	1	0		7.49	49.51	50	20		1.066	0.859	0.97	
1,3,5-Trimethylbenzene	1	0		7.61	43.75	50	20		1.347	1.371	12.49	
Butyl methacrylate	1	0		7.61	42.60	50	20	0.5	0.498	0.471	14.79	
t-Butylbenzene	1	0		7.81	53.19	50	20		1.439	1.427	6.38	
1,2,4-Trimethylbenzene	1	0		7.83	47.42	50	20		1.447	1.409	5.15	
sec-Butylbenzene	1	0		7.93	55.08	50	20		1.717	1.893	10.17	
4-Isopropyltoluene	1	0		8.00	53.87	50	20		1.495	1.623	7.74	
n-Butylbenzene	1	0		8.24	56.40	50	20		1.555	1.805	12.80	
p-Diethylbenzene	1	0		8.22	56.46	50	20		0.861	0.968	12.92	
1,2,4,5-Tetramethylbenzene	1	0		8.68	58.83	50	20		1.340	1.338	17.66	
1,2-Dibromo-3-Chloropropane	1	0		8.74	47.41	50	20	0.05	0.147	0.105	5.18	
Camphor	1	0		9.18	479.28	500	20		0.053	0.042	4.14	
Hexachlorobutadiene	1	0		9.32	60.93	50	20		0.305	0.311	21.85	C1
1,2,4-Trichlorobenzene	1	0		9.23	51.28	50	20	0.2	0.660	0.565	2.56	
1,2,3-Trichlorobenzene	1	0		9.54	49.43	50	20		0.617	0.516	1.15	
Naphthalene	1	0		9.40	48.23	50	20		1.579	1.281	3.54	

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 11M91393.D **Instrument:** GCMS 11

Cont Calibration Date/Time 5/19/2021 5:38:00 P **Method:** EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.95	30.00	30	**			0.000	0.00	
Chlorodifluoromethane	1	0		1.69	20.66	20	20	0.1	0.232	0.240	3.29	
Dichlorodifluoromethane	1	0		1.66	42.69	20	20	0.1	0.117	0.250	113.47	C1
Chloromethane	1	0		1.86	29.08	20	20	0.1	0.158	0.230	45.38	C1
Bromomethane	1	0		2.24	12.51	20	20	0.1	0.355	0.222	37.45	C1
Vinyl Chloride	1	0		1.94	24.72	20	20	0.1	0.255	0.316	23.58	C1
Chloroethane	1	0		2.32	22.52	20	20	0.1	0.247	0.278	12.59	
Trichlorofluoromethane	1	0		2.54	21.59	20	20	0.1	0.706	0.762	7.96	
Ethyl ether	1	0		2.77	22.79	20	20	0.5	0.149	0.170	13.93	
Furan	1	0		2.80	20.96	20	20	0.5	0.252	0.264	4.82	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.96	20.38	20	20	0.1	0.191	0.195	1.88	
Methylene Chloride	1	0		3.36	24.68	20	20	0.1	0.231	0.286	23.41	C1
Acrolein	1	0		2.88	120.09	100	20		0.029	0.039	20.09	
Acrylonitrile	1	0		3.56	29.35	20	20		0.066	0.096	46.76	C1
Iodomethane	1	0		3.11	19.58	20	20		0.184	0.270	2.11	
Acetone	1	0		3.00	129.34	100	20	0.1	0.053	0.069	29.34	C1
Carbon Disulfide	1	0		3.17	19.37	20	20	0.1	0.601	0.583	3.14	
t-Butyl Alcohol	1	0		3.43	72.25	100	20		0.036	0.026	27.75	C1
n-Hexane	1	0		3.80	22.77	20	20		0.150	0.171	13.83	
Di-isopropyl-ether	1	0		3.95	25.59	20	20		0.392	0.501	27.93	C1
1,1-Dichloroethene	1	0		2.97	23.02	20	20	0.1	0.294	0.338	15.09	
Methyl Acetate	1	0		3.27	30.22	20	20	0.1	0.114	0.172	51.08	C1
Methyl-t-butyl ether	1	0		3.58	26.62	20	20	0.1	0.511	0.680	33.12	C1
1,1-Dichloroethane	1	0		3.92	20.91	20	20	0.2	0.363	0.379	4.54	
trans-1,2-Dichloroethene	1	0		3.60	21.93	20	20	0.1	0.251	0.276	9.65	
Ethyl-t-butyl ether	1	0		4.19	20.73	20	20	0.5	0.554	0.574	3.67	
cis-1,2-Dichloroethene	1	0		4.30	21.45	20	20	0.1	0.361	0.387	7.25	
Bromochloromethane	1	0		4.45	23.74	20	20		0.157	0.186	18.69	
2,2-Dichloropropane	1	0		4.31	21.75	20	20		0.342	0.371	8.74	
Ethyl acetate	1	0		4.32	20.36	20	20		0.224	0.228	1.79	
1,4-Dioxane	1	0		5.33	735.15	1000	20		0.005	0.004	26.49	C1
1,1-Dichloropropene	1	0		4.69	19.79	20	20		0.334	0.330	1.05	
Chloroform	1	0		4.49	21.27	20	20	0.2	0.444	0.472	6.34	
Dibromofluoromethane	1	0	S	4.58	29.77	30	**		0.290	0.287	0.78	
Cyclohexane	1	0		4.65	20.99	20	20	0.1	0.217	0.228	4.96	
1,2-Dichloroethane-d4	1	0	S	4.77	31.64	30	**		0.128	0.135	5.48	
1,2-Dichloroethane	1	0		4.81	20.42	20	20	0.1	0.352	0.360	2.10	
2-Butanone	1	0		4.30	21.74	20	20	0.1	0.098	0.107	8.69	
1,1,1-Trichloroethane	1	0		4.61	19.66	20	20	0.1	0.421	0.413	1.71	
Carbon Tetrachloride	1	0		4.70	17.56	20	20	0.1	0.380	0.333	12.19	
Vinyl Acetate	1	0		3.94	19.29	20	20		0.557	0.606	3.54	
Bromodichloromethane	1	0		5.41	20.41	20	20	0.2	0.357	0.365	2.07	
Methylcyclohexane	1	0		5.27	17.92	20	20	0.1	0.306	0.274	10.41	
Dibromomethane	1	0		5.34	20.91	20	20		0.216	0.226	4.54	
1,2-Dichloropropane	1	0		5.27	21.96	20	20	0.1	0.211	0.232	9.79	
Trichloroethene	1	0		5.15	19.27	20	20	0.2	0.308	0.297	3.64	
Benzene	1	0		4.81	20.94	20	20	0.5	0.976	1.022	4.68	
tert-Amyl methyl ether	1	0		4.85	19.48	20	20		0.663	0.645	2.62	
Chlorobenzene-d5	1	0	I	6.54	30.00	30	**			0.000	0.00	
Iso-propylacetate	1	0		4.81	19.66	20	20	0.5	0.484	0.463	1.72	
Methyl methacrylate	1	0		5.30	19.15	20	20	0.5	0.201	0.192	4.23	
Dibromochloromethane	1	0		6.23	19.52	20	20	0.1	0.346	0.338	2.42	

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 11M91393.D **Instrument:** GCMS 11

Cont Calibration Date/Time 5/19/2021 5:38:00 P **Method:** EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
2-Chloroethylvinylether	1	0		5.54	33.21	20	20		0.072	0.146	66.04	C1
cis-1,3-Dichloropropene	1	0		5.63	21.85	20	20	0.2	0.396	0.433	9.24	
trans-1,3-Dichloropropene	1	0		5.91	21.13	20	20	0.1	0.389	0.411	5.64	
Ethyl methacrylate	1	0		5.93	19.80	20	20	0.5	0.202	0.200	1.02	
1,1,2-Trichloroethane	1	0		6.02	22.85	20	20	0.1	0.280	0.319	14.27	
1,2-Dibromoethane	1	0		6.31	22.07	20	20	0.1	0.304	0.335	10.35	
1,3-Dichloropropane	1	0		6.11	22.31	20	20		0.458	0.511	11.53	
4-Methyl-2-Pentanone	1	0		5.70	20.73	20	20	0.1	0.250	0.259	3.65	
2-Hexanone	1	0		6.12	18.37	20	20	0.1	0.192	0.184	8.15	
Tetrachloroethene	1	0		6.11	16.52	20	20	0.2	0.289	0.239	17.42	
Toluene-d8	1	0	S	5.78	29.77	30	**		1.201	1.192	0.78	
Toluene	1	0		5.82	21.19	20	20	0.4	0.730	0.774	5.94	
1,1,1,2-Tetrachloroethane	1	0		6.59	19.14	20	20		0.315	0.301	4.31	
Chlorobenzene	1	0		6.56	20.43	20	20	0.5	0.844	0.862	2.16	
1,4-Dichlorobenzene-d4	1	0	I	7.81	30.00	30	**			0.000	0.00	
n-Butyl acrylate	1	0		6.79	18.80	20	20	0.5	0.817	0.768	5.99	
n-Amyl acetate	1	0		6.91	15.91	20	20	0.5	0.723	0.678	20.45	
Bromoform	1	0		7.00	18.22	20	20	0.1	0.472	0.430	8.92	
Ethylbenzene	1	0		6.60	16.69	20	20	0.1	0.720	0.601	16.53	
1,1,2,2-Tetrachloroethane	1	0		7.21	22.07	20	20	0.1	0.709	0.782	10.37	
Bromofluorobenzene	1	0	S	7.16	28.87	30	**		0.783	0.754	3.76	
Styrene	1	0		6.88	18.33	20	20	0.3	1.718	1.596	8.33	
m&p-Xylenes	1	0		6.66	40.44	40	20	0.1	0.927	0.938	1.10	
o-Xylene	1	0		6.87	17.91	20	20	0.3	1.017	0.911	10.45	
trans-1,4-Dichloro-2-butene	1	0		7.23	15.48	20	20		0.252	0.192	22.61	C1
1,3-Dichlorobenzene	1	0		7.78	17.73	20	20	0.6	1.184	1.049	11.33	
1,4-Dichlorobenzene	1	0		7.83	19.25	20	20	0.5	1.200	1.155	3.75	
1,2-Dichlorobenzene	1	0		8.05	19.56	20	20	0.4	1.077	1.053	2.20	
Isopropylbenzene	1	0		7.06	17.81	20	20	0.1	2.364	2.106	10.93	
Cyclohexanone	1	0		7.14	98.21	100	20		0.022	0.021	1.79	
Camphene	1	0		7.23	16.62	20	20		0.573	0.476	16.89	
1,2,3-Trichloropropane	1	0		7.25	19.68	20	20		0.882	0.868	1.62	
2-Chlorotoluene	1	0		7.36	17.93	20	20		1.382	1.239	10.37	
p-Ethyltoluene	1	0		7.34	16.04	20	20		2.359	1.892	19.80	
4-Chlorotoluene	1	0		7.41	18.92	20	20		1.314	1.244	5.38	
n-Propylbenzene	1	0		7.29	18.64	20	20		2.607	2.429	6.82	
Bromobenzene	1	0		7.26	19.15	20	20		1.283	1.228	4.26	
1,3,5-Trimethylbenzene	1	0		7.37	16.26	20	20		1.914	1.733	18.72	
Butyl methacrylate	1	0		7.38	16.79	20	20	0.5	0.535	0.429	16.03	
t-Butylbenzene	1	0		7.57	18.02	20	20		1.826	1.645	9.90	
1,2,4-Trimethylbenzene	1	0		7.59	18.77	20	20		1.865	1.750	6.16	
sec-Butylbenzene	1	0		7.69	18.30	20	20		2.140	1.958	8.48	
4-Isopropyltoluene	1	0		7.76	17.67	20	20		1.861	1.644	11.65	
n-Butylbenzene	1	0		7.99	19.06	20	20		1.853	1.765	4.72	
p-Diethylbenzene	1	0		7.98	17.13	20	20		1.056	0.905	14.36	
1,2,4,5-Tetramethylbenzene	1	0		8.43	19.29	20	20		1.361	1.313	3.53	
1,2-Dibromo-3-Chloropropane	1	0		8.50	21.78	20	20	0.05	0.172	0.188	8.89	
Camphor	1	0		8.93	173.87	200	20		0.072	0.070	13.07	
Hexachlorobutadiene	1	0		9.07	21.83	20	20		0.216	0.236	9.13	
1,2,4-Trichlorobenzene	1	0		8.98	23.67	20	20	0.2	0.521	0.616	18.35	
1,2,3-Trichlorobenzene	1	0		9.29	30.27	20	20		0.345	0.522	51.37	C1
Naphthalene	1	0		9.14	30.02	20	20		1.251	1.877	50.10	C1

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: **8260/8270 limits are compared against the %DIFF/R.F.** **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 11M91466.D **Instrument:** GCMS 11

Cont Calibration Date/Time 5/20/2021 7:52:00 P **Method:** EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.95	30.00	30	**			0.000	0.00	
Chlorodifluoromethane	1	0		1.69	20.63	20	20	0.1	0.232	0.239	3.14	
Dichlorodifluoromethane	1	0		1.66	14.93	20	20	0.1	0.117	0.088	25.33	C1
Chloromethane	1	0		1.85	17.79	20	20	0.1	0.158	0.140	11.04	
Bromomethane	1	0		2.23	11.67	20	20	0.1	0.355	0.207	41.67	C1
Vinyl Chloride	1	0		1.94	16.99	20	20	0.1	0.255	0.217	15.07	
Chloroethane	1	0		2.32	19.11	20	20	0.1	0.247	0.236	4.46	
Trichlorofluoromethane	1	0		2.54	18.60	20	20	0.1	0.706	0.657	7.01	
Ethyl ether	1	0		2.76	22.85	20	20	0.5	0.149	0.170	14.27	
Furan	1	0		2.81	21.36	20	20	0.5	0.252	0.269	6.81	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.96	20.51	20	20	0.1	0.191	0.196	2.53	
Methylene Chloride	1	0		3.36	23.20	20	20	0.1	0.231	0.268	15.98	
Acrolein	1	0		2.88	122.28	100	20		0.029	0.040	22.28	C1
Acrylonitrile	1	0		3.56	29.56	20	20		0.066	0.097	47.80	C1
Iodomethane	1	0		3.11	19.42	20	20		0.184	0.268	2.92	
Acetone	1	0		3.00	139.22	100	20	0.1	0.053	0.074	39.22	C1
Carbon Disulfide	1	0		3.18	16.84	20	20	0.1	0.601	0.506	15.80	
t-Butyl Alcohol	1	0		3.43	75.15	100	20		0.036	0.027	24.85	C1
n-Hexane	1	0		3.80	22.44	20	20		0.150	0.169	12.19	
Di-isopropyl-ether	1	0		3.94	27.48	20	20		0.392	0.538	37.38	C1
1,1-Dichloroethene	1	0		2.97	20.22	20	20	0.1	0.294	0.297	1.08	
Methyl Acetate	1	0		3.27	30.10	20	20	0.1	0.114	0.171	50.51	C1
Methyl-t-butyl ether	1	0		3.58	29.76	20	20	0.1	0.511	0.760	48.81	C1
1,1-Dichloroethane	1	0		3.91	21.82	20	20	0.2	0.363	0.396	9.09	
trans-1,2-Dichloroethene	1	0		3.59	20.68	20	20	0.1	0.251	0.260	3.40	
Ethyl-t-butyl ether	1	0		4.19	23.81	20	20	0.5	0.554	0.659	19.05	
cis-1,2-Dichloroethene	1	0		4.30	21.26	20	20	0.1	0.361	0.383	6.28	
Bromochloromethane	1	0		4.45	23.38	20	20		0.157	0.184	16.90	
2,2-Dichloropropane	1	0		4.31	21.32	20	20		0.342	0.364	6.60	
Ethyl acetate	1	0		4.32	20.60	20	20		0.224	0.231	2.99	
1,4-Dioxane	1	0		5.33	836.65	1000	20		0.005	0.004	16.34	
1,1-Dichloropropene	1	0		4.69	19.64	20	20		0.334	0.328	1.79	
Chloroform	1	0		4.48	21.62	20	20	0.2	0.444	0.480	8.09	
Dibromofluoromethane	1	0	S	4.58	29.89	30	**		0.290	0.289	0.36	
Cyclohexane	1	0		4.64	22.49	20	20	0.1	0.217	0.244	12.47	
1,2-Dichloroethane-d4	1	0	S	4.77	34.41	30	**		0.128	0.147	14.71	
1,2-Dichloroethane	1	0		4.81	21.16	20	20	0.1	0.352	0.373	5.82	
2-Butanone	1	0		4.29	22.21	20	20	0.1	0.098	0.109	11.06	
1,1,1-Trichloroethane	1	0		4.61	19.78	20	20	0.1	0.421	0.416	1.12	
Carbon Tetrachloride	1	0		4.70	18.33	20	20	0.1	0.380	0.348	8.34	
Vinyl Acetate	1	0		3.94	21.83	20	20		0.557	0.687	9.17	
Bromodichloromethane	1	0		5.40	21.95	20	20	0.2	0.357	0.392	9.75	
Methylcyclohexane	1	0		5.26	21.62	20	20	0.1	0.306	0.331	8.09	
Dibromomethane	1	0		5.34	21.87	20	20		0.216	0.236	9.34	
1,2-Dichloropropane	1	0		5.27	22.70	20	20	0.1	0.211	0.239	13.49	
Trichloroethene	1	0		5.15	19.96	20	20	0.2	0.308	0.308	0.19	
Benzene	1	0		4.81	21.13	20	20	0.5	0.976	1.031	5.67	
tert-Amyl methyl ether	1	0		4.85	21.68	20	20		0.663	0.718	8.42	
Chlorobenzene-d5	1	0	I	6.54	30.00	30	**			0.000	0.00	
Iso-propylacetate	1	0		4.80	20.62	20	20	0.5	0.484	0.486	3.12	
Methyl methacrylate	1	0		5.30	22.64	20	20	0.5	0.201	0.227	13.20	
Dibromochloromethane	1	0		6.23	20.36	20	20	0.1	0.346	0.352	1.81	

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 11M91466.D **Instrument:** GCMS 11

Cont Calibration Date/Time 5/20/2021 7:52:00 P Method: EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
2-Chloroethylvinylether	1	0		5.53	6.69	20	20		0.072	0.029	66.57	C1
cis-1,3-Dichloropropene	1	0		5.63	22.79	20	20	0.2	0.396	0.452	13.93	
trans-1,3-Dichloropropene	1	0		5.91	21.98	20	20	0.1	0.389	0.427	9.89	
Ethyl methacrylate	1	0		5.93	21.55	20	20	0.5	0.202	0.218	7.77	
1,1,2-Trichloroethane	1	0		6.02	21.84	20	20	0.1	0.280	0.305	9.19	
1,2-Dibromoethane	1	0		6.31	22.52	20	20	0.1	0.304	0.342	12.62	
1,3-Dichloropropane	1	0		6.11	21.75	20	20		0.458	0.498	8.77	
4-Methyl-2-Pentanone	1	0		5.69	20.92	20	20	0.1	0.250	0.261	4.58	
2-Hexanone	1	0		6.12	19.97	20	20	0.1	0.192	0.200	0.17	
Tetrachloroethene	1	0		6.11	18.57	20	20	0.2	0.289	0.269	7.17	
Toluene-d8	1	0	S	5.78	29.10	30	**		1.201	1.165	3.00	
Toluene	1	0		5.82	20.55	20	20	0.4	0.730	0.750	2.75	
1,1,1,2-Tetrachloroethane	1	0		6.59	19.22	20	20		0.315	0.302	3.92	
Chlorobenzene	1	0		6.56	21.76	20	20	0.5	0.844	0.918	8.80	
1,4-Dichlorobenzene-d4	1	0	I	7.81	30.00	30	**			0.000	0.00	
n-Butyl acrylate	1	0		6.79	21.66	20	20	0.5	0.817	0.884	8.29	
n-Amyl acetate	1	0		6.91	18.95	20	20	0.5	0.723	0.808	5.27	
Bromoform	1	0		7.00	19.52	20	20	0.1	0.472	0.461	2.41	
Ethylbenzene	1	0		6.60	19.66	20	20	0.1	0.720	0.708	1.68	
1,1,2,2-Tetrachloroethane	1	0		7.21	21.67	20	20	0.1	0.709	0.768	8.34	
Bromofluorobenzene	1	0	S	7.16	30.37	30	**		0.783	0.793	1.25	
Styrene	1	0		6.88	19.61	20	20	0.3	1.718	1.709	1.94	
m&p-Xylenes	1	0		6.65	44.28	40	20	0.1	0.927	1.027	10.70	
o-Xylene	1	0		6.87	19.15	20	20	0.3	1.017	0.974	4.26	
trans-1,4-Dichloro-2-butene	1	0		7.23	19.16	20	20		0.252	0.238	4.18	
1,3-Dichlorobenzene	1	0		7.78	20.56	20	20	0.6	1.184	1.216	2.79	
1,4-Dichlorobenzene	1	0		7.82	20.95	20	20	0.5	1.200	1.257	4.77	
1,2-Dichlorobenzene	1	0		8.04	22.18	20	20	0.4	1.077	1.194	10.90	
Isopropylbenzene	1	0		7.06	20.04	20	20	0.1	2.364	2.369	0.18	
Cyclohexanone	1	0		7.14	120.85	100	20		0.022	0.026	20.85	C1
Camphene	1	0		7.23	18.76	20	20		0.573	0.537	6.21	
1,2,3-Trichloropropane	1	0		7.25	20.30	20	20		0.882	0.895	1.48	
2-Chlorotoluene	1	0		7.36	19.61	20	20		1.382	1.355	1.94	
p-Ethyltoluene	1	0		7.34	20.40	20	20		2.359	2.406	1.99	
4-Chlorotoluene	1	0		7.41	20.58	20	20		1.314	1.353	2.92	
n-Propylbenzene	1	0		7.29	20.60	20	20		2.607	2.685	2.98	
Bromobenzene	1	0		7.26	21.02	20	20		1.283	1.349	5.11	
1,3,5-Trimethylbenzene	1	0		7.37	17.71	20	20		1.914	1.890	11.43	
Butyl methacrylate	1	0		7.37	22.04	20	20	0.5	0.535	0.571	10.21	
t-Butylbenzene	1	0		7.57	20.54	20	20		1.826	1.875	2.70	
1,2,4-Trimethylbenzene	1	0		7.59	21.04	20	20		1.865	1.961	5.19	
sec-Butylbenzene	1	0		7.69	21.04	20	20		2.140	2.251	5.22	
4-Isopropyltoluene	1	0		7.76	20.46	20	20		1.861	1.904	2.31	
n-Butylbenzene	1	0		7.99	21.03	20	20		1.853	1.949	5.17	
p-Diethylbenzene	1	0		7.97	21.41	20	20		1.056	1.131	7.04	
1,2,4,5-Tetramethylbenzene	1	0		8.43	24.09	20	20		1.361	1.639	20.43	
1,2-Dibromo-3-Chloropropane	1	0		8.49	21.73	20	20	0.05	0.172	0.187	8.65	
Camphor	1	0		8.93	182.68	200	20		0.072	0.073	8.66	
Hexachlorobutadiene	1	0		9.06	23.46	20	20		0.216	0.254	17.32	
1,2,4-Trichlorobenzene	1	0		8.98	25.57	20	20	0.2	0.521	0.666	27.85	C1
1,2,3-Trichlorobenzene	1	0		9.28	32.61	20	20		0.345	0.562	63.07	C1
Naphthalene	1	0		9.14	31.26	20	20		1.251	1.955	56.32	C1

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 11M91503.D **Instrument:** GCMS 11

Cont Calibration Date/Time 5/21/2021 9:40:00 A Method: EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.95	30.00	30	**			0.000	0.00	
Chlorodifluoromethane	1	0		1.68	23.59	20	20	0.1	0.232	0.274	17.94	
Dichlorodifluoromethane	1	0		1.66	14.64	20	20	0.1	0.117	0.086	26.82	C1
Chloromethane	1	0		1.85	17.22	20	20	0.1	0.158	0.136	13.90	
Bromomethane	1	0		2.24	12.39	20	20	0.1	0.355	0.220	38.03	C1
Vinyl Chloride	1	0		1.93	17.84	20	20	0.1	0.255	0.228	10.80	
Chloroethane	1	0		2.32	19.22	20	20	0.1	0.247	0.237	3.92	
Trichlorofluoromethane	1	0		2.54	19.53	20	20	0.1	0.706	0.689	2.36	
Ethyl ether	1	0		2.77	23.66	20	20	0.5	0.149	0.176	18.30	
Furan	1	0		2.81	20.52	20	20	0.5	0.252	0.259	2.59	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.96	21.87	20	20	0.1	0.191	0.209	9.37	
Methylene Chloride	1	0		3.36	22.60	20	20	0.1	0.231	0.261	13.01	
Acrolein	1	0		2.88	107.62	100	20		0.029	0.035	7.62	
Acrylonitrile	1	0		3.56	25.62	20	20		0.066	0.084	28.11	C1
Iodomethane	1	0		3.11	18.76	20	20		0.184	0.259	6.19	
Acetone	1	0		3.00	126.80	100	20	0.1	0.053	0.068	26.80	C1
Carbon Disulfide	1	0		3.18	17.95	20	20	0.1	0.601	0.540	10.25	
t-Butyl Alcohol	1	0		3.42	49.32	100	20		0.036	0.018	50.68	C1
n-Hexane	1	0		3.80	23.56	20	20		0.150	0.177	17.80	
Di-isopropyl-ether	1	0		3.95	27.01	20	20		0.392	0.529	35.07	C1
1,1-Dichloroethene	1	0		2.97	20.37	20	20	0.1	0.294	0.299	1.84	
Methyl Acetate	1	0		3.27	25.60	20	20	0.1	0.114	0.145	28.01	C1
Methyl-t-butyl ether	1	0		3.59	27.48	20	20	0.1	0.511	0.702	37.39	C1
1,1-Dichloroethane	1	0		3.92	20.86	20	20	0.2	0.363	0.378	4.27	
trans-1,2-Dichloroethene	1	0		3.59	20.77	20	20	0.1	0.251	0.261	3.83	
Ethyl-t-butyl ether	1	0		4.19	22.27	20	20	0.5	0.554	0.617	11.33	
cis-1,2-Dichloroethene	1	0		4.30	21.00	20	20	0.1	0.361	0.379	5.02	
Bromochloromethane	1	0		4.45	23.11	20	20		0.157	0.182	15.56	
2,2-Dichloropropane	1	0		4.31	22.28	20	20		0.342	0.380	11.39	
Ethyl acetate	1	0		4.32	17.50	20	20		0.224	0.196	12.48	
1,4-Dioxane	1	0		5.33	549.17	1000	20		0.005	0.003	45.08	C1
1,1-Dichloropropene	1	0		4.69	20.16	20	20		0.334	0.336	0.82	
Chloroform	1	0		4.48	21.32	20	20	0.2	0.444	0.473	6.60	
Dibromofluoromethane	1	0	S	4.58	29.76	30	**		0.290	0.287	0.81	
Cyclohexane	1	0		4.64	23.39	20	20	0.1	0.217	0.254	16.96	
1,2-Dichloroethane-d4	1	0	S	4.77	31.99	30	**		0.128	0.137	6.64	
1,2-Dichloroethane	1	0		4.81	20.61	20	20	0.1	0.352	0.363	3.07	
2-Butanone	1	0		4.30	20.00	20	20	0.1	0.098	0.098	0.01	
1,1,1-Trichloroethane	1	0		4.60	19.65	20	20	0.1	0.421	0.413	1.75	
Carbon Tetrachloride	1	0		4.70	19.08	20	20	0.1	0.380	0.362	4.60	
Vinyl Acetate	1	0		3.94	21.53	20	20		0.557	0.677	7.67	
Bromodichloromethane	1	0		5.40	21.42	20	20	0.2	0.357	0.383	7.10	
Methylcyclohexane	1	0		5.26	21.54	20	20	0.1	0.306	0.329	7.70	
Dibromomethane	1	0		5.33	20.54	20	20		0.216	0.222	2.72	
1,2-Dichloropropane	1	0		5.27	21.92	20	20	0.1	0.211	0.231	9.58	
Trichloroethene	1	0		5.15	20.80	20	20	0.2	0.308	0.321	3.99	
Benzene	1	0		4.81	21.19	20	20	0.5	0.976	1.034	5.97	
tert-Amyl methyl ether	1	0		4.85	20.10	20	20		0.663	0.666	0.51	
Chlorobenzene-d5	1	0	I	6.54	30.00	30	**			0.000	0.00	
Iso-propylacetate	1	0		4.80	18.64	20	20	0.5	0.484	0.439	6.79	
Methyl methacrylate	1	0		5.30	16.61	20	20	0.5	0.201	0.167	16.95	
Dibromochloromethane	1	0		6.23	20.49	20	20	0.1	0.346	0.354	2.43	

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 11M91503.D **Instrument:** GCMS 11

Cont Calibration Date/Time 5/21/2021 9:40:00 A **Method:** EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
2-Chloroethylvinylether	1	0		5.53	6.04	20	20		0.072	0.026	69.81	C1
cis-1,3-Dichloropropene	1	0		5.63	23.00	20	20	0.2	0.396	0.456	15.00	
trans-1,3-Dichloropropene	1	0		5.91	22.22	20	20	0.1	0.389	0.432	11.11	
Ethyl methacrylate	1	0		5.93	19.49	20	20	0.5	0.202	0.197	2.54	
1,1,2-Trichloroethane	1	0		6.01	20.98	20	20	0.1	0.280	0.293	4.91	
1,2-Dibromoethane	1	0		6.31	21.36	20	20	0.1	0.304	0.324	6.81	
1,3-Dichloropropane	1	0		6.11	21.34	20	20		0.458	0.489	6.70	
4-Methyl-2-Pentanone	1	0		5.69	17.66	20	20	0.1	0.250	0.220	11.71	
2-Hexanone	1	0		6.12	16.84	20	20	0.1	0.192	0.168	15.80	
Tetrachloroethene	1	0		6.11	17.81	20	20	0.2	0.289	0.258	10.97	
Toluene-d8	1	0	S	5.78	29.09	30	**		1.201	1.165	3.05	
Toluene	1	0		5.82	20.93	20	20	0.4	0.730	0.764	4.64	
1,1,1,2-Tetrachloroethane	1	0		6.59	19.72	20	20		0.315	0.310	1.39	
Chlorobenzene	1	0		6.56	21.52	20	20	0.5	0.844	0.908	7.62	
1,4-Dichlorobenzene-d4	1	0	I	7.81	30.00	30	**			0.000	0.00	
n-Butyl acrylate	1	0		6.79	23.74	20	20	0.5	0.817	0.969	18.69	
n-Amyl acetate	1	0		6.91	19.38	20	20	0.5	0.723	0.826	3.09	
Bromoform	1	0		7.00	19.89	20	20	0.1	0.472	0.470	0.57	
Ethylbenzene	1	0		6.59	23.60	20	20	0.1	0.720	0.850	18.00	
1,1,2,2-Tetrachloroethane	1	0		7.21	20.09	20	20	0.1	0.709	0.712	0.45	
Bromofluorobenzene	1	0	S	7.16	34.37	30	**		0.783	0.897	14.56	
Styrene	1	0		6.87	23.61	20	20	0.3	1.718	2.064	18.04	
m&p-Xylenes	1	0		6.65	54.39	40	20	0.1	0.927	1.261	35.99	C1
o-Xylene	1	0		6.87	23.66	20	20	0.3	1.017	1.203	18.30	
trans-1,4-Dichloro-2-butene	1	0		7.23	20.54	20	20		0.252	0.255	2.72	
1,3-Dichlorobenzene	1	0		7.77	20.03	20	20	0.6	1.184	1.185	0.17	
1,4-Dichlorobenzene	1	0		7.82	21.17	20	20	0.5	1.200	1.270	5.86	
1,2-Dichlorobenzene	1	0		8.05	20.95	20	20	0.4	1.077	1.128	4.76	
Isopropylbenzene	1	0		7.06	20.50	20	20	0.1	2.364	2.424	2.51	
Cyclohexanone	1	0		7.14	100.10	100	20		0.022	0.022	0.10	
Camphene	1	0		7.23	21.68	20	20		0.573	0.621	8.40	
1,2,3-Trichloropropane	1	0		7.25	20.85	20	20		0.882	0.920	4.24	
2-Chlorotoluene	1	0		7.35	19.61	20	20		1.382	1.355	1.95	
p-Ethyltoluene	1	0		7.34	20.50	20	20		2.359	2.418	2.49	
4-Chlorotoluene	1	0		7.41	20.02	20	20		1.314	1.316	0.10	
n-Propylbenzene	1	0		7.29	20.44	20	20		2.607	2.664	2.20	
Bromobenzene	1	0		7.26	20.82	20	20		1.283	1.336	4.10	
1,3,5-Trimethylbenzene	1	0		7.37	17.11	20	20		1.914	1.826	14.43	
Butyl methacrylate	1	0		7.37	22.01	20	20	0.5	0.535	0.570	10.04	
t-Butylbenzene	1	0		7.57	19.74	20	20		1.826	1.802	1.32	
1,2,4-Trimethylbenzene	1	0		7.59	20.25	20	20		1.865	1.888	1.23	
sec-Butylbenzene	1	0		7.69	20.63	20	20		2.140	2.207	3.15	
4-Isopropyltoluene	1	0		7.76	20.79	20	20		1.861	1.935	3.97	
n-Butylbenzene	1	0		7.99	20.51	20	20		1.853	1.900	2.54	
p-Diethylbenzene	1	0		7.97	20.50	20	20		1.056	1.083	2.52	
1,2,4,5-Tetramethylbenzene	1	0		8.43	22.17	20	20		1.361	1.508	10.83	
1,2-Dibromo-3-Chloropropane	1	0		8.49	18.71	20	20	0.05	0.172	0.161	6.46	
Camphor	1	0		8.93	123.30	200	20		0.072	0.049	38.35	C1
Hexachlorobutadiene	1	0		9.07	21.95	20	20		0.216	0.237	9.75	
1,2,4-Trichlorobenzene	1	0		8.98	23.45	20	20	0.2	0.521	0.611	17.25	
1,2,3-Trichlorobenzene	1	0		9.29	26.47	20	20		0.345	0.456	32.35	C1
Naphthalene	1	0		9.14	25.03	20	20		1.251	1.565	25.14	C1

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 6M140314.D **Instrument:** GCMS 6

Cont Calibration Date/Time 5/24/2021 9:34:00 A Method: EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	5.13	30.00	30	**			0.000	0.00	
Chlorodifluoromethane	1	0		1.67	25.42	50	20	0.1	0.189	0.101	49.17	C1
Dichlorodifluoromethane	1	0		1.65	46.49	50	20	0.1	0.186	0.173	7.03	
Chloromethane	1	0		1.84	40.46	50	20	0.1	0.297	0.240	19.08	
Bromomethane	1	0		2.25	46.23	50	20	0.1	0.241	0.184	7.54	
Vinyl Chloride	1	0		1.93	47.34	50	20	0.1	0.289	0.274	5.31	
Chloroethane	1	0		2.34	45.28	50	20	0.1	0.183	0.166	9.44	
Trichlorofluoromethane	1	0		2.58	47.71	50	20	0.1	0.493	0.470	4.57	
Ethyl ether	1	0		2.82	40.36	50	20	0.5	0.187	0.151	19.28	
Furan	1	0		2.86	40.26	50	20	0.5	0.379	0.305	19.48	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		3.04	44.06	50	20	0.1	0.209	0.184	11.88	
Methylene Chloride	1	0		3.45	40.15	50	20	0.1	0.295	0.237	19.70	
Acrolein	1	0		2.94	182.54	250	20		0.042	0.031	26.98	C1
Acrylonitrile	1	0		3.65	36.50	50	20		0.101	0.074	26.99	C1
Iodomethane	1	0		3.18	35.53	50	20		0.253	0.227	28.93	C1
Acetone	1	0		3.07	184.49	250	20	0.1	0.071	0.052	26.20	C1
Carbon Disulfide	1	0		3.25	40.40	50	20	0.1	0.742	0.599	19.19	
t-Butyl Alcohol	1	0		3.52	176.25	250	20		0.028	0.020	29.50	C1
n-Hexane	1	0		3.92	47.15	50	20		0.290	0.273	5.69	
Di-isopropyl-ether	1	0		4.07	40.09	50	20		0.812	0.651	19.83	
1,1-Dichloroethene	1	0		3.04	41.78	50	20	0.1	0.305	0.255	16.45	
Methyl Acetate	1	0		3.36	32.42	50	20	0.1	0.218	0.141	35.17	C1
Methyl-t-butyl ether	1	0		3.69	33.88	50	20	0.1	0.704	0.477	32.25	C1
1,1-Dichloroethane	1	0		4.04	40.03	50	20	0.2	0.449	0.359	19.95	
trans-1,2-Dichloroethene	1	0		3.70	40.79	50	20	0.1	0.290	0.237	18.42	
Ethyl-t-butyl ether	1	0		4.34	35.86	50	20	0.5	0.745	0.534	28.27	C1
cis-1,2-Dichloroethene	1	0		4.45	41.23	50	20	0.1	0.446	0.368	17.55	
Bromochloromethane	1	0		4.60	44.03	50	20		0.225	0.199	11.94	
2,2-Dichloropropane	1	0		4.45	40.78	50	20		0.340	0.277	18.45	
Ethyl acetate	1	0		4.47	34.42	50	20		0.301	0.207	31.17	C1
1,4-Dioxane	1	0		5.52	1920.34	2500	20		0.004	0.003	23.19	C1
1,1-Dichloropropene	1	0		4.86	41.14	50	20		0.360	0.296	17.72	
Chloroform	1	0		4.64	38.11	50	20	0.2	0.497	0.379	23.79	C1
Dibromofluoromethane	1	0	S	4.74	28.63	75	**		0.305	0.291	4.57	
Cyclohexane	1	0		4.81	42.57	50	20	0.1	0.363	0.309	14.87	
1,2-Dichloroethane-d4	1	0	S	4.94	27.62	75	**		0.119	0.110	7.93	
1,2-Dichloroethane	1	0		4.98	33.32	50	20	0.1	0.355	0.236	33.36	C1
2-Butanone	1	0		4.45	40.17	50	20	0.1	0.131	0.105	19.66	
1,1,1-Trichloroethane	1	0		4.77	40.51	50	20	0.1	0.455	0.368	18.97	
Carbon Tetrachloride	1	0		4.87	40.46	50	20	0.1	0.351	0.326	19.08	
Vinyl Acetate	1	0		4.06	38.56	50	20		0.784	0.605	22.88	C1
Bromodichloromethane	1	0		5.60	37.58	50	20	0.2	0.395	0.297	24.84	C1
Methylcyclohexane	1	0		5.45	46.06	50	20	0.1	0.444	0.409	7.89	
Dibromomethane	1	0		5.53	36.71	50	20		0.226	0.166	26.58	C1
1,2-Dichloropropane	1	0		5.46	40.15	50	20	0.1	0.270	0.217	19.71	
Trichloroethene	1	0		5.34	40.56	50	20	0.2	0.359	0.291	18.89	
Benzene	1	0		4.98	40.04	50	20	0.5	1.141	0.914	19.91	
tert-Amyl methyl ether	1	0		5.03	40.45	50	20		0.693	0.561	19.09	
Chlorobenzene-d5	1	0	I	6.76	30.00	30	**			0.000	0.00	
Iso-propylacetate	1	0		4.98	46.91	50	20	0.5	0.372	0.349	6.18	
Methyl methacrylate	1	0		5.48	47.63	50	20	0.5	0.178	0.170	4.74	
Dibromochloromethane	1	0		6.45	50.35	50	20	0.1	0.272	0.274	0.70	

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 6M140314.D **Instrument:** GCMS 6

Cont Calibration Date/Time 5/24/2021 9:34:00 A Method: EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
2-Chloroethylvinylether	1	0		5.74	40.23	50	20		0.015	0.012	19.54	
cis-1,3-Dichloropropene	1	0		5.84	50.18	50	20	0.2	0.329	0.330	0.37	
trans-1,3-Dichloropropene	1	0		6.12	51.12	50	20	0.1	0.280	0.286	2.23	
Ethyl methacrylate	1	0		6.14	46.21	50	20	0.5	0.198	0.183	7.59	
1,1,2-Trichloroethane	1	0		6.22	51.01	50	20	0.1	0.218	0.222	2.02	
1,2-Dibromoethane	1	0		6.53	53.34	50	20	0.1	0.216	0.230	6.68	
1,3-Dichloropropane	1	0		6.32	50.80	50	20		0.339	0.344	1.59	
4-Methyl-2-Pentanone	1	0		5.90	46.20	50	20	0.1	0.216	0.199	7.60	
2-Hexanone	1	0		6.33	46.11	50	20	0.1	0.153	0.141	7.77	
Tetrachloroethene	1	0		6.32	57.81	50	20	0.2	0.205	0.237	15.62	
Toluene-d8	1	0	S	5.99	35.32	75	**		0.946	1.113	17.73	
Toluene	1	0		6.03	51.69	50	20	0.4	0.629	0.650	3.39	
1,1,1,2-Tetrachloroethane	1	0		6.81	51.54	50	20		0.240	0.247	3.08	
Chlorobenzene	1	0		6.78	52.79	50	20	0.5	0.710	0.750	5.58	
1,4-Dichlorobenzene-d4	1	0	I	8.05	30.00	30	**			0.000	0.00	
n-Butyl acrylate	1	0		7.02	48.32	50	20	0.5	0.514	0.496	3.36	
n-Amyl acetate	1	0		7.13	51.68	50	20	0.5	0.476	0.492	3.36	
Bromoform	1	0		7.23	51.22	50	20	0.1	0.276	0.283	2.44	
Ethylbenzene	1	0		6.82	54.93	50	20	0.1	0.449	0.493	9.86	
1,1,2,2-Tetrachloroethane	1	0		7.45	51.47	50	20	0.1	0.432	0.445	2.94	
Bromofluorobenzene	1	0	S	7.40	28.44	75	**		0.716	0.679	5.19	
Styrene	1	0		7.10	57.14	50	20	0.3	1.079	1.233	14.28	
m&p-Xylenes	1	0		6.88	118.80	100	20	0.1	0.707	0.745	18.80	
o-Xylene	1	0		7.10	56.26	50	20	0.3	0.658	0.740	12.52	
trans-1,4-Dichloro-2-butene	1	0		7.47	57.63	50	20		0.145	0.167	15.27	
1,3-Dichlorobenzene	1	0		8.02	59.90	50	20	0.6	0.867	1.039	19.80	
1,4-Dichlorobenzene	1	0		8.07	58.95	50	20	0.5	0.881	1.038	17.90	
1,2-Dichlorobenzene	1	0		8.29	58.55	50	20	0.4	0.839	0.982	17.11	
Isopropylbenzene	1	0		7.29	56.46	50	20	0.1	1.733	1.957	12.93	
Cyclohexanone	1	0		7.37	300.69	250	20		0.015	0.013	20.28	
Camphene	1	0		7.47	56.86	50	20		0.525	0.597	13.71	
1,2,3-Trichloropropane	1	0		7.48	51.47	50	20		0.469	0.483	2.95	
2-Chlorotoluene	1	0		7.59	59.84	50	20		0.969	1.159	19.68	
p-Ethyltoluene	1	0		7.58	58.86	50	20		1.704	2.006	17.73	
4-Chlorotoluene	1	0		7.65	59.94	50	20		0.963	1.155	19.87	
n-Propylbenzene	1	0		7.52	59.21	50	20		1.983	2.348	18.42	
Bromobenzene	1	0		7.49	55.14	50	20		0.905	0.998	10.27	
1,3,5-Trimethylbenzene	1	0		7.61	51.15	50	20		1.357	1.388	2.30	
Butyl methacrylate	1	0		7.61	58.44	50	20	0.5	0.410	0.479	16.88	
t-Butylbenzene	1	0		7.81	58.78	50	20		1.495	1.757	17.55	
1,2,4-Trimethylbenzene	1	0		7.83	58.01	50	20		1.458	1.692	16.03	
sec-Butylbenzene	1	0		7.93	59.71	50	20		1.877	2.242	19.42	
4-Isopropyltoluene	1	0		8.00	62.31	50	20		1.611	2.007	24.62	C1
n-Butylbenzene	1	0		8.24	63.89	50	20		1.734	2.216	27.77	C1
p-Diethylbenzene	1	0		8.22	65.10	50	20		0.916	1.193	30.19	C1
1,2,4,5-Tetramethylbenzene	1	0		8.68	59.88	50	20		1.349	1.616	19.76	
1,2-Dibromo-3-Chloropropane	1	0		8.74	51.94	50	20	0.05	0.109	0.113	3.88	
Camphor	1	0		9.18	442.96	500	20		0.050	0.044	11.41	
Hexachlorobutadiene	1	0		9.32	59.97	50	20		0.298	0.358	19.94	
1,2,4-Trichlorobenzene	1	0		9.23	55.40	50	20	0.2	0.561	0.622	10.81	
1,2,3-Trichlorobenzene	1	0		9.54	52.62	50	20		0.525	0.553	5.25	
Naphthalene	1	0		9.40	48.90	50	20		1.569	1.441	2.20	

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 11M91569.D **Instrument:** GCMS 11

Cont Calibration Date/Time 5/24/2021 10:08:00 **Method:** EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.95	30.00	30	**			0.000	0.00	
Chlorodifluoromethane	1	0		1.69	18.00	20	20	0.1	0.232	0.209	10.01	
Dichlorodifluoromethane	1	0		1.66	6.42	20	20	0.1	0.117	0.038	67.91	C1
Chloromethane	1	0		1.86	11.50	20	20	0.1	0.158	0.091	42.51	C1
Bromomethane	1	0		2.23	7.41	20	20	0.1	0.355	0.132	62.93	C1
Vinyl Chloride	1	0		1.93	10.70	20	20	0.1	0.255	0.137	46.51	C1
Chloroethane	1	0		2.31	12.90	20	20	0.1	0.247	0.159	35.49	C1
Trichlorofluoromethane	1	0		2.54	12.62	20	20	0.1	0.706	0.446	36.88	C1
Ethyl ether	1	0		2.76	19.44	20	20	0.5	0.149	0.145	2.81	
Furan	1	0		2.81	18.04	20	20	0.5	0.252	0.228	9.78	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.96	17.83	20	20	0.1	0.191	0.170	10.85	
Methylene Chloride	1	0		3.36	19.24	20	20	0.1	0.231	0.223	3.82	
Acrolein	1	0		2.88	94.92	100	20		0.029	0.031	5.08	
Acrylonitrile	1	0		3.56	25.45	20	20		0.066	0.083	27.23	C1
Iodomethane	1	0		3.11	16.08	20	20		0.184	0.221	19.62	
Acetone	1	0		3.00	110.43	100	20	0.1	0.053	0.059	10.43	
Carbon Disulfide	1	0		3.17	14.36	20	20	0.1	0.601	0.432	28.22	C1
t-Butyl Alcohol	1	0		3.42	52.97	100	20		0.036	0.019	47.04	C1
n-Hexane	1	0		3.80	18.66	20	20		0.150	0.140	6.72	
Di-isopropyl-ether	1	0		3.94	24.98	20	20		0.392	0.489	24.90	C1
1,1-Dichloroethene	1	0		2.97	16.41	20	20	0.1	0.294	0.241	17.97	
Methyl Acetate	1	0		3.27	25.97	20	20	0.1	0.114	0.147	29.84	C1
Methyl-t-butyl ether	1	0		3.58	25.58	20	20	0.1	0.511	0.653	27.88	C1
1,1-Dichloroethane	1	0		3.92	19.20	20	20	0.2	0.363	0.348	4.01	
trans-1,2-Dichloroethene	1	0		3.59	17.43	20	20	0.1	0.251	0.219	12.86	
Ethyl-t-butyl ether	1	0		4.19	21.37	20	20	0.5	0.554	0.592	6.87	
cis-1,2-Dichloroethene	1	0		4.30	19.51	20	20	0.1	0.361	0.352	2.43	
Bromochloromethane	1	0		4.44	20.84	20	20		0.157	0.164	4.22	
2,2-Dichloropropane	1	0		4.31	20.65	20	20		0.342	0.353	3.26	
Ethyl acetate	1	0		4.32	18.35	20	20		0.224	0.206	8.27	
1,4-Dioxane	1	0		5.33	592.59	1000	20		0.005	0.003	40.74	C1
1,1-Dichloropropene	1	0		4.69	18.16	20	20		0.334	0.303	9.19	
Chloroform	1	0		4.48	19.37	20	20	0.2	0.444	0.430	3.15	
Dibromofluoromethane	1	0	S	4.57	28.93	30	**		0.290	0.279	3.57	
Cyclohexane	1	0		4.65	20.39	20	20	0.1	0.217	0.221	1.97	
1,2-Dichloroethane-d4	1	0	S	4.77	32.26	30	**		0.128	0.138	7.54	
1,2-Dichloroethane	1	0		4.81	19.41	20	20	0.1	0.352	0.342	2.97	
2-Butanone	1	0		4.29	19.30	20	20	0.1	0.098	0.095	3.49	
1,1,1-Trichloroethane	1	0		4.61	17.72	20	20	0.1	0.421	0.373	11.39	
Carbon Tetrachloride	1	0		4.70	16.50	20	20	0.1	0.380	0.313	17.50	
Vinyl Acetate	1	0		3.94	19.94	20	20		0.557	0.627	0.29	
Bromodichloromethane	1	0		5.40	20.49	20	20	0.2	0.357	0.366	2.45	
Methylcyclohexane	1	0		5.26	18.93	20	20	0.1	0.306	0.289	5.34	
Dibromomethane	1	0		5.34	20.04	20	20		0.216	0.216	0.22	
1,2-Dichloropropane	1	0		5.27	20.39	20	20	0.1	0.211	0.215	1.96	
Trichloroethene	1	0		5.15	18.65	20	20	0.2	0.308	0.288	6.75	
Benzene	1	0		4.81	18.68	20	20	0.5	0.976	0.911	6.61	
tert-Amyl methyl ether	1	0		4.85	19.78	20	20		0.663	0.655	1.10	
Chlorobenzene-d5	1	0	I	6.54	30.00	30	**			0.000	0.00	
Iso-propylacetate	1	0		4.81	18.36	20	20	0.5	0.484	0.432	8.18	
Methyl methacrylate	1	0		5.30	18.26	20	20	0.5	0.201	0.183	8.68	
Dibromochloromethane	1	0		6.23	19.97	20	20	0.1	0.346	0.345	0.16	

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 11M91569.D **Instrument:** GCMS 11

Cont Calibration Date/Time 5/24/2021 10:08:00 **Method:** EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
2-Chloroethylvinylether	1	0		5.54	4.93	20	20		0.072	0.022	75.33	C1
cis-1,3-Dichloropropene	1	0		5.63	21.53	20	20	0.2	0.396	0.427	7.65	
trans-1,3-Dichloropropene	1	0		5.91	21.28	20	20	0.1	0.389	0.413	6.38	
Ethyl methacrylate	1	0		5.93	20.16	20	20	0.5	0.202	0.204	0.78	
1,1,2-Trichloroethane	1	0		6.01	20.51	20	20	0.1	0.280	0.287	2.54	
1,2-Dibromoethane	1	0		6.31	20.65	20	20	0.1	0.304	0.313	3.26	
1,3-Dichloropropane	1	0		6.11	20.27	20	20		0.458	0.464	1.33	
4-Methyl-2-Pentanone	1	0		5.69	18.57	20	20	0.1	0.250	0.232	7.14	
2-Hexanone	1	0		6.12	17.07	20	20	0.1	0.192	0.171	14.66	
Tetrachloroethene	1	0		6.11	16.95	20	20	0.2	0.289	0.245	15.25	
Toluene-d8	1	0	S	5.78	29.38	30	**		1.201	1.176	2.08	
Toluene	1	0		5.82	19.48	20	20	0.4	0.730	0.711	2.61	
1,1,1,2-Tetrachloroethane	1	0		6.59	19.22	20	20		0.315	0.302	3.89	
Chlorobenzene	1	0		6.56	20.17	20	20	0.5	0.844	0.851	0.86	
1,4-Dichlorobenzene-d4	1	0	I	7.81	30.00	30	**			0.000	0.00	
n-Butyl acrylate	1	0		6.79	19.27	20	20	0.5	0.817	0.787	3.67	
n-Amyl acetate	1	0		6.91	16.52	20	20	0.5	0.723	0.704	17.40	
Bromoform	1	0		7.00	18.77	20	20	0.1	0.472	0.443	6.13	
Ethylbenzene	1	0		6.59	17.40	20	20	0.1	0.720	0.627	12.99	
1,1,2,2-Tetrachloroethane	1	0		7.21	19.17	20	20	0.1	0.709	0.679	4.16	
Bromofluorobenzene	1	0	S	7.16	28.99	30	**		0.783	0.757	3.38	
Styrene	1	0		6.87	17.82	20	20	0.3	1.718	1.551	10.88	
m&p-Xylenes	1	0		6.65	37.71	40	20	0.1	0.927	0.874	5.74	
o-Xylene	1	0		6.87	17.42	20	20	0.3	1.017	0.886	12.91	
trans-1,4-Dichloro-2-butene	1	0		7.23	18.22	20	20		0.252	0.226	8.90	
1,3-Dichlorobenzene	1	0		7.78	19.34	20	20	0.6	1.184	1.144	3.31	
1,4-Dichlorobenzene	1	0		7.82	19.79	20	20	0.5	1.200	1.187	1.05	
1,2-Dichlorobenzene	1	0		8.05	20.33	20	20	0.4	1.077	1.095	1.64	
Isopropylbenzene	1	0		7.06	17.79	20	20	0.1	2.364	2.103	11.05	
Cyclohexanone	1	0		7.13	94.36	100	20		0.022	0.020	5.64	
Camphene	1	0		7.23	18.45	20	20		0.573	0.529	7.74	
1,2,3-Trichloropropane	1	0		7.25	18.48	20	20		0.882	0.815	7.59	
2-Chlorotoluene	1	0		7.36	17.91	20	20		1.382	1.237	10.46	
p-Ethyltoluene	1	0		7.34	18.61	20	20		2.359	2.195	6.95	
4-Chlorotoluene	1	0		7.41	19.63	20	20		1.314	1.290	1.84	
n-Propylbenzene	1	0		7.29	18.91	20	20		2.607	2.465	5.45	
Bromobenzene	1	0		7.26	19.07	20	20		1.283	1.223	4.64	
1,3,5-Trimethylbenzene	1	0		7.37	16.61	20	20		1.914	1.772	16.93	
Butyl methacrylate	1	0		7.37	20.59	20	20	0.5	0.535	0.531	2.95	
t-Butylbenzene	1	0		7.57	18.68	20	20		1.826	1.706	6.58	
1,2,4-Trimethylbenzene	1	0		7.59	19.22	20	20		1.865	1.792	3.91	
sec-Butylbenzene	1	0		7.69	19.34	20	20		2.140	2.069	3.29	
4-Isopropyltoluene	1	0		7.76	19.35	20	20		1.861	1.801	3.25	
n-Butylbenzene	1	0		7.99	19.87	20	20		1.853	1.841	0.64	
p-Diethylbenzene	1	0		7.97	19.55	20	20		1.056	1.032	2.27	
1,2,4,5-Tetramethylbenzene	1	0		8.43	21.84	20	20		1.361	1.486	9.19	
1,2-Dibromo-3-Chloropropane	1	0		8.49	18.77	20	20	0.05	0.172	0.162	6.17	
Camphor	1	0		8.93	145.58	200	20		0.072	0.058	27.21	C1
Hexachlorobutadiene	1	0		9.07	21.25	20	20		0.216	0.230	6.27	
1,2,4-Trichlorobenzene	1	0		8.98	23.42	20	20	0.2	0.521	0.610	17.11	
1,2,3-Trichlorobenzene	1	0		9.29	28.84	20	20		0.345	0.497	44.20	C1
Naphthalene	1	0		9.14	26.61	20	20		1.251	1.664	33.05	C1

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 1M148857.D **Instrument:** GCMS 1

Cont Calibration Date/Time 5/25/2021 12:57:00 P **Method:** EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	5.32	30.00	30	**			0.000	0.00	
Chlorodifluoromethane	1	0		2.13	59.85	50	20	0.1	0.147	0.176	19.71	
Dichlorodifluoromethane	1	0		2.11	55.62	50	20	0.1	0.106	0.118	11.24	
Chloromethane	1	0		2.28	41.97	50	20	0.1	0.134	0.112	16.06	
Bromomethane	1	0		2.64	75.48	50	20	0.1	0.050	0.075	50.96	C1
Vinyl Chloride	1	0		2.37	59.83	50	20	0.1	0.113	0.135	19.66	
Chloroethane	1	0		2.73	75.32	50	20	0.1	0.059	0.090	50.64	C1
Trichlorofluoromethane	1	0		2.93	78.61	50	20	0.1	0.140	0.220	57.22	C1
Ethyl ether	1	0		3.14	51.20	50	20	0.5	0.083	0.085	2.41	
Furan	1	0		3.19	65.80	50	20	0.5	0.117	0.154	31.61	C1
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		3.33	82.53	50	20	0.1	0.064	0.106	65.07	C1
Methylene Chloride	1	0		3.71	57.25	50	20	0.1	0.114	0.130	14.50	
Acrolein	1	0		3.25	216.26	250	20		0.014	0.012	13.50	
Acrylonitrile	1	0		3.90	40.49	50	20		0.049	0.039	19.01	
Iodomethane	1	0		3.48	66.98	50	20		0.075	0.114	33.95	C1
Acetone	1	0		3.37	231.45	250	20	0.1	0.032	0.029	7.42	
Carbon Disulfide	1	0		3.55	74.70	50	20	0.1	0.232	0.346	49.41	C1
t-Butyl Alcohol	1	0		3.76	231.47	250	20		0.016	0.015	7.41	
n-Hexane	1	0		4.14	74.26	50	20		0.097	0.143	48.51	C1
Di-isopropyl-ether	1	0		4.28	51.14	50	20		0.279	0.286	2.28	
1,1-Dichloroethene	1	0		3.35	74.61	50	20	0.1	0.130	0.193	49.22	C1
Methyl Acetate	1	0		3.62	42.15	50	20	0.1	0.087	0.073	15.70	
Methyl-t-butyl ether	1	0		3.93	51.77	50	20	0.1	0.284	0.294	3.55	
1,1-Dichloroethane	1	0		4.25	63.24	50	20	0.2	0.173	0.219	26.47	C1
trans-1,2-Dichloroethene	1	0		3.94	70.26	50	20	0.1	0.093	0.131	40.52	C1
Ethyl-t-butyl ether	1	0		4.53	47.61	50	20	0.5	0.327	0.312	4.77	
cis-1,2-Dichloroethene	1	0		4.64	54.43	50	20	0.1	0.203	0.221	8.87	
Bromochloromethane	1	0		4.79	43.22	50	20		0.121	0.105	13.56	
2,2-Dichloropropane	1	0		4.65	72.39	50	20		0.150	0.217	44.78	C1
Ethyl acetate	1	0		4.66	44.52	50	20		0.142	0.126	10.95	
1,4-Dioxane	1	0		5.71	1991.83	2500	20		0.002	0.002	20.33	
1,1-Dichloropropene	1	0		5.05	65.57	50	20		0.137	0.180	31.15	C1
Chloroform	1	0		4.83	54.13	50	20	0.2	0.225	0.243	8.26	
Dibromofluoromethane	1	0	S	4.92	31.57	75	**		0.300	0.316	5.24	
Cyclohexane	1	0		5.00	56.87	50	20	0.1	0.141	0.161	13.73	
1,2-Dichloroethane-d4	1	0	S	5.12	32.89	75	**		0.143	0.157	9.63	
1,2-Dichloroethane	1	0		5.17	49.70	50	20	0.1	0.186	0.185	0.60	
2-Butanone	1	0		4.66	44.04	50	20	0.1	0.137	0.120	11.92	
1,1,1-Trichloroethane	1	0		4.96	63.35	50	20	0.1	0.179	0.227	26.70	C1
Carbon Tetrachloride	1	0		5.06	65.63	50	20	0.1	0.153	0.201	31.27	C1
Vinyl Acetate	1	0		4.27	52.26	50	20		0.274	0.286	4.51	
Bromodichloromethane	1	0		5.78	51.85	50	20	0.2	0.180	0.186	3.71	
Methylcyclohexane	1	0		5.64	65.17	50	20	0.1	0.146	0.190	30.33	C1
Dibromomethane	1	0		5.71	41.43	50	20		0.104	0.086	17.15	
1,2-Dichloropropane	1	0		5.64	47.83	50	20	0.1	0.130	0.124	4.33	
Trichloroethene	1	0		5.52	53.29	50	20	0.2	0.128	0.136	6.59	
Benzene	1	0		5.17	54.56	50	20	0.5	0.448	0.489	9.13	
tert-Amyl methyl ether	1	0		5.21	46.54	50	20		0.296	0.276	6.92	
Chlorobenzene-d5	1	0	I	6.97	30.00	30	**			0.000	0.00	
Iso-propylacetate	1	0		5.16	44.72	50	20	0.5	0.161	0.144	10.57	
Methyl methacrylate	1	0		5.67	44.02	50	20	0.5	0.072	0.063	11.97	
Dibromochloromethane	1	0		6.64	46.60	50	20	0.1	0.118	0.110	6.81	

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 1M148857.D **Instrument:** GCMS 1

Cont Calibration Date/Time 5/25/2021 12:57:00 P **Method:** EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
2-Chloroethylvinylether	1	0		5.92	42.87	50	20		0.054	0.046	14.27	
cis-1,3-Dichloropropene	1	0		6.02	52.63	50	20	0.2	0.149	0.157	5.27	
trans-1,3-Dichloropropene	1	0		6.31	51.22	50	20	0.1	0.147	0.151	2.44	
Ethyl methacrylate	1	0		6.33	46.34	50	20	0.5	0.076	0.071	7.32	
1,1,2-Trichloroethane	1	0		6.42	44.12	50	20	0.1	0.099	0.088	11.77	
1,2-Dibromoethane	1	0		6.72	45.68	50	20	0.1	0.104	0.095	8.63	
1,3-Dichloropropane	1	0		6.51	47.19	50	20		0.161	0.152	5.63	
4-Methyl-2-Pentanone	1	0		6.09	43.18	50	20	0.1	0.089	0.077	13.65	
2-Hexanone	1	0		6.53	44.26	50	20	0.1	0.066	0.058	11.47	
Tetrachloroethene	1	0		6.52	58.26	50	20	0.2	0.078	0.091	16.52	
Toluene-d8	1	0	S	6.18	31.79	75	**		0.901	0.954	5.97	
Toluene	1	0		6.21	54.28	50	20	0.4	0.236	0.256	8.56	
1,1,1,2-Tetrachloroethane	1	0		7.01	49.67	50	20		0.103	0.102	0.66	
Chlorobenzene	1	0		6.98	51.18	50	20	0.5	0.290	0.297	2.36	
1,4-Dichlorobenzene-d4	1	0	I	8.26	30.00	30	**			0.000	0.00	
n-Butyl acrylate	1	0		7.23	43.98	50	20	0.5	0.239	0.210	12.03	
n-Amyl acetate	1	0		7.35	45.99	50	20	0.5	0.188	0.173	8.03	
Bromoform	1	0		7.43	41.04	50	20	0.1	0.123	0.101	17.92	
Ethylbenzene	1	0		7.02	59.15	50	20	0.1	0.164	0.194	18.30	
1,1,2,2-Tetrachloroethane	1	0		7.65	40.20	50	20	0.1	0.211	0.170	19.60	
Bromofluorobenzene	1	0	S	7.60	29.12	75	**		0.711	0.691	2.93	
Styrene	1	0		7.31	54.24	50	20	0.3	0.418	0.453	8.49	
m&p-Xylenes	1	0		7.09	119.56	100	20	0.1	0.228	0.272	19.56	
o-Xylene	1	0		7.31	56.43	50	20	0.3	0.236	0.266	12.85	
trans-1,4-Dichloro-2-butene	1	0		7.68	51.83	50	20		0.077	0.080	3.66	
1,3-Dichlorobenzene	1	0		8.23	50.74	50	20	0.6	0.336	0.341	1.47	
1,4-Dichlorobenzene	1	0		8.27	49.03	50	20	0.5	0.353	0.346	1.94	
1,2-Dichlorobenzene	1	0		8.50	45.92	50	20	0.4	0.346	0.318	8.15	
Isopropylbenzene	1	0		7.50	59.87	50	20	0.1	0.576	0.689	19.73	
Cyclohexanone	1	0		7.57	228.52	250	20		0.008	0.007	8.59	
Camphene	1	0		7.68	59.56	50	20		0.188	0.224	19.12	
1,2,3-Trichloropropane	1	0		7.69	43.88	50	20		0.246	0.216	12.24	
2-Chlorotoluene	1	0		7.80	57.96	50	20		0.394	0.457	15.92	
p-Ethyltoluene	1	0		7.79	57.21	50	20		0.583	0.667	14.42	
4-Chlorotoluene	1	0		7.86	55.16	50	20		0.411	0.454	10.31	
n-Propylbenzene	1	0		7.73	59.43	50	20		0.701	0.833	18.85	
Bromobenzene	1	0		7.70	53.09	50	20		0.395	0.419	6.19	
1,3,5-Trimethylbenzene	1	0		7.82	59.00	50	20		0.481	0.568	18.00	
Butyl methacrylate	1	0		7.82	48.02	50	20	0.5	0.158	0.152	3.97	
t-Butylbenzene	1	0		8.01	58.67	50	20		0.486	0.571	17.34	
1,2,4-Trimethylbenzene	1	0		8.04	57.13	50	20		0.525	0.600	14.25	
sec-Butylbenzene	1	0		8.14	59.84	50	20		0.634	0.758	19.68	
4-Isopropyltoluene	1	0		8.21	59.76	50	20		0.536	0.641	19.52	
n-Butylbenzene	1	0		8.45	62.13	50	20		0.618	0.768	24.25	C1
p-Diethylbenzene	1	0		8.43	55.96	50	20		0.322	0.360	11.92	
1,2,4,5-Tetramethylbenzene	1	0		8.89	52.01	50	20		0.509	0.530	4.02	
1,2-Dibromo-3-Chloropropane	1	0		8.94	36.14	50	20	0.05	0.058	0.042	27.71	C1
Camphor	1	0		9.38	400.24	500	20		0.020	0.016	19.95	
Hexachlorobutadiene	1	0		9.52	51.96	50	20		0.134	0.140	3.92	
1,2,4-Trichlorobenzene	1	0		9.44	47.89	50	20	0.2	0.268	0.257	4.22	
1,2,3-Trichlorobenzene	1	0		9.74	44.76	50	20		0.268	0.240	10.48	
Naphthalene	1	0		9.60	43.37	50	20		0.675	0.585	13.26	

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

1051310 0287

FORM8

Internal Standard Areas

Evaluation Std Data File: 11M90046.D Method: EPA 8260D

Analysis Date/Time: 04/08/21 15:58

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	288458	4.95	252542	6.54	141122	7.81								
Eval File Area Limit:	144229-576916		126271-505084		70561-282244									
Eval File Rt Limit:	4.45-5.45		6.04-7.04		7.31-8.309999									

Data File	Sample#						
11M90042.D	CAL @ 0.5 PPB	265730	4.95	241959	6.54	121218	7.81
11M90043.D	CAL @ 1 PPB	261524	4.95	234266	6.54	119079	7.81
11M90044.D	CAL @ 5 PPB	269662	4.95	237883	6.54	125180	7.81
11M90045.D	CAL @ 10 PPB	282544	4.95	247276	6.54	136508	7.81
11M90046.D	CAL @ 20 PPB	288458	4.95	252542	6.54	141122	7.81
11M90047.D	CAL @ 50 PPB	296285	4.95	264096	6.54	150799	7.81
11M90048.D	CAL @ 500 PPB	349942	4.95	350476	6.54	219033	7.81
11M90051.D	CAL @ 250 PPB	357791	4.95	337596	6.54	202513	7.81
11M90054.D	CAL @ 100 PPB	345330	4.95	311598	6.54	182115	7.81
11M90058.D	ICV	321398	4.95	288317	6.54	156037	7.81
11M90060.D	BLK	311044	4.95	280038	6.54	140663	7.81
11M90061.D	BLK	287109	4.95	257949	6.54	129741	7.81
11M90063.D	DAILY BLANK	309637	4.95	274454	6.54	140781	7.81
11M90064.D	DAILY BLANK	312056	4.95	277512	6.54	136222	7.81
11M90065.D	MDL @ 1 PPB	294868	4.95	265028	6.54	132037	7.81
11M90066.D	MDL @ 1 PPB	299287	4.95	267425	6.54	135746	7.81

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4
I4 =
I5 =
I6 =
I7 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

1051310 0288

FORM8

Internal Standard Areas

Evaluation Std Data File: 6M139694.D Method: EPA 8260D

Analysis Date/Time: 05/05/21 23:46

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	173924	5.12	174221	6.76	113661	8.05								
Eval File Area Limit:	86962-347848		87110-348442		56830-227322									
Eval File Rt Limit:	4.62-5.62		6.26-7.26		7.55-8.55									

Data File	Sample#						
6M139683.D	CAL @ 500 PPB	266465	5.12	242749	6.76	62458	8.05
6M139686.D	CAL @ 250 PPB	183317	5.12	190501	6.76	108192	8.05
6M139689.D	CAL @ 100 PPB	187158	5.12	190868	6.76	136020	8.05
6M139692.D	CAL @ 50 PPB	177116	5.12	177369	6.76	114794	8.05
6M139694.D	CAL @ 20 PPB	173924	5.12	174221	6.76	113661	8.05
6M139696.D	CAL @ 5 PPB	158730	5.12	165145	6.76	101602	8.05
6M139697.D	CAL @ 2 PPB	172991	5.12	183732	6.76	112056	8.05
6M139698.D	CAL @ 1 PPB	143996	5.12	151976	6.76	92348	8.05
6M139699.D	CAL @ 0.5 PPB	161515	5.12	173776	6.76	101336	8.05
6M139700.D	ICV	182592	5.12	182459	6.76	121021	8.05
6M139701.D	STD	186146	5.12	193073	6.76	131324	8.05
6M139702.D	BLK	168633	5.12	180095	6.76	104666	8.05
6M139703.D	BLK	165899	5.12	178343	6.76	103002	8.05

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4
I4 =
I5 =
I6 =
I7 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

1051310 0289

FORM8

Internal Standard Areas

Evaluation Std Data File: 11M91235.D Method: EPA 8260D

Analysis Date/Time: 05/17/21 08:56

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	205339	4.95	176185	6.54	100025	7.81								
Eval File Area Limit:	102670-410678		88092-352370		50012-200050									
Eval File Rt Limit:	4.45-5.45		6.04-7.04		7.31-8.309999									

Data File	Sample#						
11M91234.D	20 PPB	179559	4.95	154047	6.54	88881	7.81
11M91236.D	BLK-DI	197859	4.95	173874	6.54	94372	7.81
11M91237.D	BLK-2	180841	4.95	156260	6.54	85022	7.81
11M91238.D	DAILY BLANK	188703	4.95	161350	6.54	86954	7.81
11M91239.D	DAILY BLANK	160796	4.95	148139	6.54	78880	7.81
11M91240.D	AD23380-002	176602	4.95	157714	6.54	83769	7.81
11M91241.D	AD23374-003	193250	4.95	169872	6.54	84638	7.81
11M91242.D	AD23374-001	189006	4.95	167211	6.54	130059	7.81
11M91243.D	MBS92596	170296	4.95	150398	6.54	86336	7.81
11M91244.D	MBS92597	179219	4.95	156022	6.54	90857	7.81
11M91245.D	BLK	181324	4.95	158667	6.54	83721	7.81
11M91246.D	AD23380-001	176272	4.95	163881	6.54	95687	7.81
11M91247.D	AD23380-002(MS)	196355	4.95	180630	6.54	102630	7.81
11M91248.D	AD23406-005	192646	4.95	175695	6.54	94625	7.81
11M91249.D	AD23292-001	192478	4.95	175401	6.54	106322	7.81
11M91250.D	AD23380-002(MSD)	182279	4.95	164526	6.54	99493	7.81
11M91251.D	BLK	212741	4.95	188513	6.54	102544	7.81
11M91252.D	AD23371-003	210093	4.95	187744	6.54	103268	7.81
11M91253.D	AD23371-004	219545	4.95	198976	6.54	106099	7.81
11M91254.D	AD23371-001	245120	4.95	213889	6.54	121241	7.81
11M91255.D	AD23360-012	200879	4.95	181303	6.54	98241	7.81
11M91256.D	AD23406-005(MS)	195395	4.95	171196	6.54	100754	7.81
11M91257.D	AD23406-005(MSD)	192927	4.95	169015	6.54	99894	7.81
11M91258.D	BLK	218812	4.95	194980	6.54	104064	7.81
11M91259.D	AD23360-004	166536	4.95	149777	6.54	81953	7.81
11M91260.D	AD23360-005	174512	4.95	154801	6.54	87421	7.81
11M91261.D	AD23360-013	221907	4.95	195520	6.54	107293	7.81
11M91262.D	AD23360-015	220169	4.95	195343	6.54	103270	7.81
11M91263.D	AD23375-002(8uL)	226021	4.95	209268	6.54	108109	7.81
11M91264.D	AD23375-003(8uL)	215350	4.95	194288	6.54	104100	7.81
11M91265.D	AD23375-004(8uL)	208471	4.95	195092	6.54	103594	7.81
11M91266.D	AD23375-005(8uL)	232704	4.95	217343	6.54	112572	7.81

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4
I4 =
I5 =
I6 =
I7 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

1051310 0290

FORM8

Internal Standard Areas

Evaluation Std Data File: 11M91235.D Method: EPA 8260D

Analysis Date/Time: 05/17/21 08:56

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	205339	4.95	176185	6.54	100025	7.81								
Eval File Area Limit:	102670-410678		88092-352370		50012-200050									
Eval File Rt Limit:	4.45-5.45		6.04-7.04		7.31-8.309999									

Data File	Sample#					
11M91267.D	AD23375-006(8uL)	205145	4.95	185914	6.54	98956	7.81
11M91268.D	BLK	169453	4.95	153946	6.54	81206	7.81

I1 =	Fluorobenzene	I4 =		I7 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =			624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =			524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

1051310 0291

FORM8

Internal Standard Areas

Evaluation Std Data File: 11M91304.D Method: EPA 8260D

Analysis Date/Time: 05/18/21 10:02

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	207663	4.95	187457	6.54	107292	7.81								
Eval File Area Limit:	103832-415326		93728-374914		53646-214584									
Eval File Rt Limit:	4.45-5.45		6.04-7.04		7.31-8.309999									

Data File	Sample#						
11M91303.D	20 PPB	142541	4.95	126793	6.54	75343	7.81
11M91305.D	BLK-DI	197598	4.95	179467	6.54	94469	7.81
11M91306.D	BLK-HCL	165751	4.95	150821	6.54	81017	7.81
11M91307.D	DAILY BLANK	192926	4.95	177227	6.54	92963	7.81
11M91308.D	DAILY BLANK	207055	4.95	194824	6.54	102948	7.81
11M91309.D	BLK	314433	4.95	241938	6.54	67857	7.81
11M91310.D	AD23415-001	179352	4.95	164328	6.54	90121	7.81
11M91311.D	AD23415-005	170635	4.95	157372	6.54	83571	7.81
11M91312.D	AD23415-006	171755	4.95	153239	6.54	83747	7.81
11M91313.D	MBS92611	158840	4.95	144863	6.54	85420	7.81
11M91314.D	MBS92613	162046	4.95	147603	6.54	88873	7.81
11M91315.D	23412-001(50X)	190560	4.95	173671	6.54	92434	7.81
11M91316.D	AD23375-007(8uL)	158434	4.95	147921	6.54	78104	7.81
11M91317.D	AD23375-008(80uL)	187232	4.95	170449	6.54	91414	7.81
11M91318.D	AD23375-020	184836	4.95	477745	6.55	184038	7.81
11M91319.D	AD23375-009(80uL)	263346	4.95	203620	6.54	109324	7.81
11M91320.D	AD23397-002(MS)	175975	4.95	156775	6.54	95571	7.81
11M91321.D	AD23397-002(MSD)	211235	4.95	190487	6.54	110830	7.81
11M91322.D	AD23415-001(MS)	175072	4.95	154051	6.54	92191	7.81
11M91323.D	AD23415-001(MSD)	215409	4.95	191469	6.54	107313	7.81
11M91324.D	BLK	221130	4.95	200762	6.54	107653	7.81
11M91325.D	MBS92617	205294	4.95	179740	6.54	102952	7.81
11M91326.D	STD	173051	4.95	154772	6.54	92301	7.81
11M91327.D	AD23397-002	204440	4.95	180271	6.54	99248	7.81
11M91328.D	AD23414-007	208649	4.95	186161	6.54	103438	7.81
11M91329.D	MBS92618	218981	4.95	190252	6.54	113142	7.81
11M91330.D	23375-008(8uL)	205034	4.95	184439	6.54	96613	7.81
11M91331.D	AD23375-011(8uL)	171078	4.95	159694	6.54	86162	7.81
11M91332.D	AD23375-012(8uL)	194082	4.95	184927	6.54	96684	7.81
11M91333.D	AD23375-013(8uL)	191729	4.95	184460	6.54	98102	7.81
11M91334.D	AD23375-014(8uL)	195418	4.95	175263	6.54	92139	7.81
11M91335.D	23375-015(80uL)	194648	4.95	181544	6.54	94986	7.81

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4
I4 =
I5 =
I6 =
I7 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

1051310 0292

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M148539.D Method: EPA 8260D

Analysis Date/Time: 05/18/21 18:11

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	405372	5.32	583461	6.97	420373	8.26								
Eval File Area Limit:	202686-810744		291730-1166922		210186-840746									
Eval File Rt Limit:	4.82-5.82		6.47-7.47		7.76-8.76									

Data File	Sample#						
1M148535.D	CAL @ 0.5 PPB	491528	5.32	642064	6.97	452901	8.26
1M148536.D	CAL @1 PPB	464120	5.32	612624	6.97	432701	8.26
1M148537.D	CAL @ 5 PPB	499724	5.32	642343	6.97	459177	8.26
1M148538.D	CAL @ 2 PPB	478487	5.32	626534	6.97	449270	8.26
1M148539.D	CAL @ 20 PPB	405372	5.32	583461	6.97	420373	8.26
1M148541.D	CAL @ 50 PPB	484268	5.32	642363	6.97	472499	8.26
1M148543.D	CAL @100 PPB	530678	5.32	662695	6.97	492093	8.26
1M148546.D	CAL @ 250 PPB	447987	5.32	611847	6.97	532152	8.26
1M148549.D	CAL @ 500 PPB	525276	5.32	710666	6.97	617411	8.26
1M148554.D	ICV	510789	5.32	630088	6.97	468525	8.26
1M148555.D	50 PPB	503851	5.32	614717	6.97	467475	8.26
1M148557.D	BLK	428299	5.32	614427	6.97	463009	8.26
1M148560.D	DAILY BLANK	486584	5.32	623817	6.97	458101	8.26
1M148561.D	1 PPB	480440	5.32	618517	6.97	450883	8.26
1M148562.D	MDL @ 1 PPB	425731	5.32	609411	6.97	440510	8.26
1M148563.D	MDL @ 1 PPB	493880	5.32	624218	6.97	458192	8.26
1M148564.D	MDL @ 1 PPB	480982	5.32	618006	6.97	447838	8.26
1M148565.D	BLK	482885	5.32	628052	6.97	457277	8.26

I1 =	Fluorobenzene	I4 =	I7 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =		624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =		524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

1051310 0293

FORM8

Internal Standard Areas

Evaluation Std Data File: 11M91339.D Method: EPA 8260D

Analysis Date/Time: 05/18/21 22:35

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	216852	4.95	191230	6.54	110048	7.81								
Eval File Area Limit:	108426-433704		95615-382460		55024-220096									
Eval File Rt Limit:	4.45-5.45		6.04-7.04		7.31-8.309999									

Data File	Sample#						
11M91343.D	BLK	204679	4.95	184525	6.54	96564	7.81
11M91344.D	DAILY BLANK	203465	4.95	180452	6.54	97756	7.81
11M91345.D	AD23375-001(8uL)	202226	4.95	190851	6.54	101356	7.81
11M91346.D	MBS92619	186050	4.95	165328	6.54	97962	7.81
11M91347.D	MBS92620	207539	4.95	184677	6.54	111037	7.81
11M91348.D	AD23406-010(MSD)	160554	4.95	146762	6.54	90125	7.81
11M91349.D	AD23406-010(MS)	216232	4.95	192020	6.54	111521	7.81
11M91350.D	AD23406-010	218650	4.95	196295	6.54	104772	7.81
11M91351.D	AD23400-001	213586	4.95	186855	6.54	102758	7.81
11M91352.D	AD23375-008	211722	4.95	205915	6.54	109095	7.81
11M91353.D	AD23375-009	213148	4.95	191675	6.54	102755	7.81
11M91354.D	AD23375-015	222360	4.95	202049	6.54	109945	7.81
11M91355.D	AD23375-014(80uL)	214945	4.95	211437	6.54	106261	7.81
11M91356.D	BLK	191329	4.95	174586	6.54	91864	7.81
11M91359.D	23414-006	224102	4.95	200181	6.54	108561	7.81

I1 =	Fluorobenzene	I4 =	I7 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =		624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =		524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

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FORM8

Internal Standard Areas

Evaluation Std Data File: 6M140152.D Method: EPA 8260D

Analysis Date/Time: 05/19/21 08:33

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	92583	5.14	114365	6.76	84299	8.05								
Eval File Area Limit:	46292-185166		57182-228730		42150-168598									
Eval File Rt Limit:	4.64-5.64		6.26-7.26		7.55-8.55									

Data File	Sample#						
6M140154.D	JUG-1	88772	5.14	102228	6.76	66270	8.05
6M140155.D	JUG-2	84114	5.14	101932	6.76	65533	8.05
6M140156.D	DI	83042	5.13	101788	6.76	63072	8.05
6M140157.D	DAILY BLANK	77178	5.14	97927	6.76	61413	8.05
6M140158.D	AD23400-001	75136	5.13	92505	6.76	59048	8.05
6M140159.D	AD23414-005	70492	5.14	90255	6.76	59624	8.05
6M140160.D	AD23375-009	65831	5.13	82823	6.76	54611	8.05
6M140161.D	AD23414-006	66043	5.13	85314	6.76	55333	8.05
6M140162.D	MBS92622	81717	5.13	101113	6.76	76033	8.05
6M140163.D	AD23353-006(MS)	84502	5.13	105983	6.76	79809	8.05
6M140164.D	AD23353-006(MSD)	86061	5.13	104594	6.76	78476	8.05
6M140165.D	MBS92624	83617	5.13	102969	6.76	76071	8.05
6M140166.D	AD23353-006	79813	5.13	98303	6.76	62136	8.05
6M140167.D	BLK	72599	5.13	92031	6.76	58614	8.05
6M140168.D	AD23433-002(5X)	72087	5.13	83199	6.76	54250	8.05
6M140169.D	AD23438-001	65506	5.13	80000	6.76	48571	8.05
6M140170.D	AD23438-002	60600	5.13	71112	6.76	44251	8.05
6M140171.D	AD23438-003	68022	5.13	81102	6.76	47566	8.06
6M140172.D	AD23438-004	58269	5.14	68971	6.76	41969	8.05
6M140173.D	AD23438-005	68008	5.13	81786	6.76	52125	8.05
6M140174.D	AD23438-006	64361	5.13	77931	6.76	46713	8.05
6M140175.D	AD23438-007	66230	5.13	80331	6.76	52017	8.06
6M140176.D	AD23438-008	65387	5.13	77103	6.76	43469	8.05
6M140177.D	AD23438-009	64616	5.13	78633	6.76	48040	8.05
6M140178.D	BLK-JUG1	61347	5.13	77535	6.76	49455	8.05
6M140179.D	BLK	64626	5.13	77515	6.76	51653	8.05
6M140180.D	AD23466-002	56518	5.13	68485	6.76	224526	8.03
6M140181.D	BLK	113198	5.13	134537	6.76	81822	8.05
6M140182.D	AD23462-001(5X)	88288	5.13	104808	6.76	107526	8.05
6M140183.D	BLK	117163	5.13	135174	6.76	87099	8.05
6M140184.D	23440-001	92301	5.13	115798	6.76	73706	8.05

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4
I4 =
I5 =
I6 =
I7 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

1051310 0295

FORM8

Internal Standard Areas

Evaluation Std Data File: 11M91393.D Method: EPA 8260D

Analysis Date/Time: 05/19/21 17:38

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	215608	4.95	192228	6.54	112224	7.81								
Eval File Area Limit:	107804-431216		96114-384456		56112-224448									
Eval File Rt Limit:	4.45-5.45		6.04-7.04		7.31-8.309999									

Data File	Sample#						
11M91394.D	20 PPB	184434	4.95	166439	6.54	94535	7.81
11M91395.D	BLK	208656	4.95	187602	6.54	100283	7.81
11M91396.D	BLK	200795	4.95	183172	6.54	97047	7.81
11M91397.D	DAILY BLANK	165633	4.95	149499	6.54	80784	7.81
11M91398.D	AD23415-007	191136	4.95	170757	6.54	92376	7.81
11M91399.D	AD23415-008	199460	4.95	184260	6.54	97512	7.81
11M91400.D	AD23415-009	217691	4.95	201339	6.54	103090	7.81
11M91401.D	DAILY BLANK	190570	4.95	173091	6.54	93186	7.81
11M91402.D	MBS92625	206319	4.95	185013	6.54	106285	7.81
11M91403.D	AD23454-001(80uL)	189454	4.95	174687	6.54	99779	7.81
11M91404.D	MBS92626	205822	4.95	186516	6.54	112086	7.81
11M91405.D	AD23430-004(T)	210802	4.95	191260	6.54	101191	7.81
11M91406.D	AD23392-002(5X)(T)	179349	4.95	161536	6.54	87447	7.81
11M91407.D	AD23392-001(10X)(T)	216579	4.95	193927	6.54	107728	7.81
11M91408.D	AD23392-003(10X)(T)	174254	4.95	157595	6.54	84585	7.81
11M91409.D	23445-001(10X)	206817	4.95	182809	6.54	98393	7.81
11M91410.D	EF-1-V-350008(05192	197165	4.95	174464	6.54	94330	7.81
11M91411.D	AD23438-001	169525	4.95	151713	6.54	84646	7.81
11M91412.D	AD23454-001	205648	4.95	194381	6.54	129943	7.81
11M91413.D	AD23430-004(T:MS)	230222	4.95	206772	6.54	123372	7.81
11M91414.D	AD23430-004(T:MSD)	201990	4.95	179587	6.54	108007	7.81
11M91415.D	AD23438-001(MS)	205710	4.95	186064	6.54	109570	7.81
11M91416.D	AD23438-001(MSD)	238204	4.95	212835	6.54	126953	7.81
11M91417.D	BLK	238082	4.95	209632	6.54	115569	7.81
11M91418.D	BLK	225947	4.95	200898	6.54	108696	7.81
11M91419.D	AD23375-016	209130	4.95	194668	6.54	104225	7.81
11M91420.D	AD23375-017(80uL)	242195	4.95	215571	6.54	118029	7.81
11M91421.D	AD23375-018	218119	4.95	205221	6.54	112107	7.81
11M91422.D	AD23375-019	217492	4.95	196067	6.54	107770	7.81
11M91423.D	AD23414-004	204001	4.95	191467	6.54	107682	7.81
11M91424.D	AD23375-020(8uL)	227700	4.95	207720	6.54	113168	7.81
11M91425.D	AD23414-001(8uL)	173577	4.95	161209	6.54	88872	7.81

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4
I4 =
I5 =
I6 =
I7 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

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FORM8

Internal Standard Areas

Evaluation Std Data File: 11M91393.D Method: EPA 8260D

Analysis Date/Time: 05/19/21 17:38

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	215608	4.95	192228	6.54	112224	7.81								
Eval File Area Limit:	107804-431216		96114-384456		56112-224448									
Eval File Rt Limit:	4.45-5.45		6.04-7.04		7.31-8.309999									

Data File	Sample#						
11M91426.D	AD23414-002(40uL)	246490	4.95	229680	6.54	120628	7.81
11M91427.D	AD23414-003(400uL)	207822	4.95	190710	6.54	110577	7.81
11M91428.D	AD23394-004	223697	4.95	206698	6.54	124050	7.81
11M91429.D	AD23394-001(80uL)	199972	4.95	183297	6.54	101632	7.81
11M91430.D	AD23375-010	246998	4.95	685341	6.55	385730	7.81
11M91431.D	BLK	974885	4.95	917928	6.54	477149	7.81
11M91432.D	BLK	262805	4.95	243163	6.54	124005	7.81

I1 =	Fluorobenzene	I4 =	I7 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =		624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =		524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

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FORM8

Internal Standard Areas

Evaluation Std Data File: 6M140251.D Method: EPA 8260D

Analysis Date/Time: 05/20/21 19:01

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	172872	5.13	230335	6.76	154940	8.05								
Eval File Area Limit:	86436-345744		115168-460670		77470-309880									
Eval File Rt Limit:	4.63-5.63		6.26-7.26		7.55-8.55									

Data File	Sample#						
6M140243.D	BLK	215045	5.13	277246	6.76	179648	8.05
6M140244.D	50 PPB	199355	5.13	257501	6.76	172884	8.05
6M140247.D	CAL @ 0.5 PPB	176094	5.13	235063	6.76	147843	8.05
6M140248.D	CAL @ 1 PPB	177384	5.13	234176	6.76	145282	8.05
6M140249.D	CAL @ 2 PPB	178256	5.13	237200	6.76	148353	8.05
6M140250.D	CAL @ 5 PPB	175771	5.13	229274	6.76	146190	8.05
6M140251.D	CAL @ 20 PPB	172872	5.13	230335	6.76	154940	8.05
6M140252.D	CAL @ 50 PPB	181201	5.13	241393	6.76	168982	8.05
6M140254.D	CAL @ 100 PPB	185672	5.13	239091	6.76	171058	8.05
6M140255.D	CAL @ 250 PPB	205162	5.13	253592	6.76	190228	8.05
6M140257.D	CAL @ 500 PPB	203040	5.13	260472	6.76	193876	8.05
6M140263.D	ICV	178536	5.13	229335	6.76	161262	8.05

I1 =	Fluorobenzene	I4 =	I7 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =		624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =		524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

1051310 0298

FORM8

Internal Standard Areas

Evaluation Std Data File: 11M91466.D Method: EPA 8260D

Analysis Date/Time: 05/20/21 19:52

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	244281	4.95	230142	6.54	130835	7.81								
Eval File Area Limit:	122140-488562		115071-460284		65418-261670									
Eval File Rt Limit:	4.45-5.45		6.04-7.04		7.31-8.309999									

Data File	Sample#						
11M91465.D	20 PPB	212153	4.95	198062	6.54	114038	7.81
11M91467.D	BLK	247891	4.95	230316	6.54	123903	7.81
11M91468.D	BLK	186335	4.95	172193	6.54	94094	7.81
11M91469.D	DAILY BLANK	222259	4.95	206404	6.54	113152	7.81
11M91470.D	DAILY BLANK	197175	4.95	186326	6.54	101019	7.81
11M91471.D	AD23400-001(T)	219236	4.95	204161	6.54	106013	7.81
11M91472.D	MBS93440	190183	4.95	171259	6.54	106535	7.81
11M91473.D	MBS93441	240920	4.95	219481	6.54	125495	7.81
11M91474.D	AD23491-001(MS)	243022	4.95	223242	6.54	148314	7.81
11M91475.D	AD23491-001(MSD)	240428	4.95	242528	6.54	168457	7.81
11M91476.D	AD23491-001	256693	4.95	257186	6.54	162623	7.81
11M91477.D	EF-3V-13600(051421)	234668	4.95	214691	6.54	123019	7.81
11M91478.D	EF-3V-13600(051521)	234850	4.95	214728	6.54	120653	7.81
11M91479.D	AD23371-002(T)	251825	4.95	231039	6.54	127239	7.81
11M91480.D	AD23371-001(T)	290421	4.95	261577	6.54	152676	7.81
11M91481.D	AD23371-003(T)	249463	4.95	223211	6.54	118876	7.81
11M91482.D	AD23371-004(T)	216681	4.95	200366	6.54	109770	7.81
11M91483.D	AD23400-001(T:MS)	218471	4.95	201020	6.54	108397	7.81
11M91484.D	AD23400-001(T:MSD)	249064	4.95	226223	6.54	129923	7.81
11M91485.D	BLK	223772	4.95	204740	6.54	114142	7.81
11M91486.D	AD23449-014	230789	4.95	217489	6.54	119061	7.81
11M91487.D	AD23449-012	266987	4.95	238229	6.54	136716	7.81
11M91488.D	AD23449-008	237342	4.95	230802	6.54	131361	7.81
11M91489.D	AD23449-006	247293	4.95	235548	6.54	132298	7.81
11M91490.D	AD23449-018	234009	4.95	222975	6.54	119431	7.81
11M91491.D	AD23400-002(T)	235771	4.95	214644	6.54	115409	7.81
11M91492.D	AD23400-003(T)	203205	4.95	176963	6.54	99047	7.81
11M91493.D	AD23400-004(T)	233553	4.95	190103	6.54	106096	7.81
11M91494.D	AD23375-017	269645	4.95	248644	6.54	133906	7.81
11M91495.D	AD23400-005(T)	244031	4.95	223620	6.54	113173	7.81
11M91496.D	AD23414-002(80uL)	240409	4.95	233986	6.54	123069	7.81
11M91497.D	AD23414-003(400uL)	236417	4.95	230762	6.54	128678	7.81

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4
I4 =
I5 =
I6 =
I7 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

1051310 0299

FORM8

Internal Standard Areas

Evaluation Std Data File: 11M91466.D Method: EPA 8260D

Analysis Date/Time: 05/20/21 19:52

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	244281	4.95	230142	6.54	130835	7.81								
Eval File Area Limit:	122140-488562		115071-460284		65418-261670									
Eval File Rt Limit:	4.45-5.45		6.04-7.04		7.31-8.309999									

Data File	Sample#						
11M91498.D	AD23375-010(4uL)	246457	4.95	236970	6.54	127186	7.81
11M91499.D	STD	207982	4.95	192847	6.54	108273	7.81

I1 =	Fluorobenzene	I4 =	I7 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =		624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =		524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

1051310 0300

FORM8

Internal Standard Areas

Evaluation Std Data File: 11M91503.D Method: EPA 8260D

Analysis Date/Time: 05/21/21 09:40

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	238089	4.95	221576	6.54	100885	7.81								
Eval File Area Limit:	119044-476178		110788-443152		50442-201770									
Eval File Rt Limit:	4.45-5.45		6.04-7.04		7.31-8.309999									

Data File	Sample#						
11M91505.D	BLK	237874	4.95	224410	6.54	113388	7.81
11M91506.D	BLK	203073	4.95	184704	6.54	92722	7.81
11M91507.D	DAILY BLANK	227248	4.95	209943	6.54	111571	7.81
11M91508.D	DAILY BLANK	177954	4.95	167447	6.54	91283	7.81
11M91509.D	AD23405-001(5X)	218267	4.95	203466	6.54	108216	7.81
11M91511.D	AD23438-009	184594	4.95	171128	6.54	95093	7.81
11M91512.D	AD23360-001	230118	4.95	166607	6.54	104084	7.81
11M91513.D	AD23375-010(8uL)	254449	4.95	252198	6.54	131072	7.81
11M91514.D	MBS93445	186694	4.95	172940	6.54	101380	7.81
11M91515.D	MBS93446	264655	4.95	228843	6.54	110198	7.81
11M91516.D	MBS93447	228089	4.95	212107	6.54	126420	7.81
11M91517.D	EF-3V-13600(051421)	219083	4.95	206261	6.54	109744	7.81
11M91518.D	MBS93448	190095	4.95	163177	6.54	92945	7.81
11M91519.D	MBS93449	232437	4.95	210017	6.54	123758	7.81
11M91520.D	EF-3V-13600(051521)	238786	4.95	220529	6.54	115716	7.81
11M91521.D	AD23400-002(T)	221695	4.95	213445	6.54	103783	7.81
11M91522.D	AD23444-027(20X)	221432	4.95	209806	6.54	108217	7.81
11M91523.D	AD23444-037(5X)	207337	4.95	192067	6.54	94969	7.81
11M91524.D	AD23455-001	204941	4.95	201527	6.54	106677	7.81
11M91525.D	AD23457-001(100X)	242860	4.95	230477	6.54	129490	7.81
11M91526.D	AD23457-002(100X)	187054	4.95	174294	6.54	100490	7.81
11M91527.D	AD23438-009(MS)	191859	4.95	179823	6.54	94732	7.81
11M91528.D	AD23438-009(MSD)	180215	4.95	168423	6.54	97399	7.81
11M91529.D	AD23400-004(T:MS)	165217	4.95	148887	6.54	87124	7.81
11M91530.D	AD23400-004(T:MSD)	226911	4.95	192053	6.54	113893	7.81
11M91531.D	BLK	223905	4.95	212835	6.54	112061	7.81
11M91532.D	AD23444-037(5X)	219973	4.95	197523	6.54	97915	7.81
11M91533.D	AD23457-002(200X)	219344	4.95	212352	6.54	115837	7.81

I1 =	Fluorobenzene	I4 =	I7 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =		624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =		524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

1051310 0301

FORM8

Internal Standard Areas

Evaluation Std Data File: 11M91569.D Method: EPA 8260D

Analysis Date/Time: 05/24/21 10:08

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	363575	4.95	337594	6.54	204678	7.81								
Eval File Area Limit:	181788-727150		168797-675188		102339-409356									
Eval File Rt Limit:	4.45-5.45		6.04-7.04		7.31-8.309999									

Data File	Sample#						
11M91568.D	20 PPB	277901	4.95	260816	6.54	157625	7.81
11M91570.D	DI	328869	4.95	319868	6.54	169211	7.81
11M91571.D	JUG-2	319862	4.95	305867	6.54	167137	7.81
11M91572.D	DAILY BLANK	298744	4.95	287091	6.54	155078	7.81
11M91573.D	DAILY BLANK	315853	4.95	299668	6.54	164828	7.81
11M91574.D	AD23394-001(T)	356538	4.95	378164	6.54	35901	7.81
11M91575.D	MBS93464	341098	4.95	309904	6.54	191531	7.81
11M91576.D	MBS93465	331784	4.95	312141	6.54	195512	7.81
11M91577.D	AD23464-004(80uL)	285751	4.95	283880	6.54	195086	7.81
11M91578.D	AD23464-005(80uL)	284372	4.95	277543	6.54	164875	7.81
11M91579.D	AD23464-006(80uL)	373471	4.95	892247	6.54	236359	7.81
11M91580.D	AD23464-007(80uL)	409702	4.95	925403	6.54	209377	7.81
11M91581.D	AD23464-010(80uL)	381616	4.95	371512	6.54	714001	7.81
11M91582.D	AD23464-006(80uL)	357902	4.95	806789	6.54	216621	7.81
11M91583.D	AD23394-003(T:MS)	318434	4.95	299686	6.54	178024	7.81
11M91584.D	BLK	343312	4.95	327461	6.54	177768	7.81
11M91585.D	AD23464-007(80uL)	393089	4.95	642983	6.54	296902	7.81
11M91586.D	AD23464-010(80uL)	415042	4.95	402230	6.54	724573	7.81
11M91587.D	AD23394-003(T:MSD)	403840	4.95	380387	6.54	233394	7.81
11M91588.D	AD23394-001(10X)(T)	348863	4.95	343603	6.54	200437	7.81
11M91589.D	MBS93485	382037	4.95	363588	6.54	218023	7.81
11M91590.D	AD23533-001	374734	4.95	352690	6.54	200748	7.81
11M91591.D	AD23449-016(80uL)	355591	4.95	348172	6.54	192404	7.81
11M91592.D	23375-007	363002	4.95	346965	6.54	194238	7.81
11M91593.D	AD23375-006(8uL)	369360	4.95	362810	6.54	196049	7.81
11M91594.D	AD23533-001(MS)	336855	4.95	310698	6.54	204041	7.81
11M91595.D	AD23533-001(MSD)	393975	4.95	370876	6.54	232428	7.81
11M91596.D	BLK	391263	4.95	376247	6.54	201748	7.81
11M91597.D	BLK	393125	4.95	372526	6.54	205321	7.81
11M91598.D	AD23464-026	379364	4.95	359080	6.54	199264	7.81

I1 =	Fluorobenzene	I4 =	I7 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =		624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =		524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

1051310 0302

FORM8

Internal Standard Areas

Evaluation Std Data File: 6M140314.D Method: EPA 8260D

Analysis Date/Time: 05/24/21 09:34

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	173892	5.13	168022	6.76	116650	8.05								
Eval File Area Limit:	86946-347784		84011-336044		58325-233300									
Eval File Rt Limit:	4.63-5.63		6.26-7.26		7.55-8.55									

Data File	Sample#						
6M140315.D	50 PPB	188316	5.13	182636	6.76	129730	8.05
6M140316.D	DI	168197	5.13	157765	6.76	88654	8.05
6M140317.D	STD	178222	5.13	171271	6.76	120180	8.05
6M140318.D	STD	182441	5.13	174120	6.76	125714	8.05
6M140319.D	BLK-1	172244	5.13	165192	6.76	89825	8.05
6M140320.D	BLK-2	162133	5.13	154209	6.76	87439	8.05
6M140321.D	DAILY BLANK	162734	5.13	153917	6.76	87255	8.05
6M140322.D	BLK	161512	5.13	152557	6.76	85727	8.05
6M140323.D	AD23533-001	124806	5.13	112275	6.76	53656	8.05
6M140324.D	MBS93466	164117	5.13	162927	6.76	114123	8.05
6M140325.D	AD23545-001(5X)	163531	5.13	152036	6.76	84970	8.05
6M140326.D	23544-001(5X)	159417	5.13	148137	6.76	83500	8.05
6M140327.D	AD23543-001(5X)	150032	5.13	142849	6.76	126458	8.05
6M140328.D	AD23543-003(5X)	249434	5.13	225531	6.76	133972	8.05
6M140329.D	AD23543-005(5X)	189211	5.13	173033	6.76	204086	8.06
6M140330.D	AD23511-001	281741	5.13	251793	6.76	138942	8.05
6M140331.D	AD23543-003	229124	5.13	211623	6.76	122182	8.05
6M140332.D	23544-001	232722	5.13	181583	6.76	79409	8.05
6M140333.D	AD23545-001	215994	5.13	189230	6.76	104673	8.05
6M140334.D	AD23511-001(MS)	237595	5.13	214665	6.76	128782	8.05
6M140335.D	AD23511-001(MSD)	230607	5.13	207525	6.76	120994	8.05
6M140336.D	BLK	229739	5.13	208902	6.76	116452	8.05
6M140337.D	BLK	212869	5.13	193213	6.76	106311	8.05
6M140338.D	AD23533-001	159047	5.13	142652	6.76	74016	8.05
6M140339.D	AD23510-004	185359	5.13	155609	6.76	74842	8.05
6M140341.D	AD23375-007	193489	5.13	177877	6.76	97563	8.05
6M140342.D	BLK	180357	5.13	165060	6.76	89991	8.05
6M140343.D	AD23533-002	119500	5.13	99770	6.76	50787	8.06
6M140344.D	AD23533-003	169193	5.13	147514	6.76	69496	8.05
6M140345.D	AD23533-004	162266	5.13	129871	6.76	55938	8.06
6M140346.D	AD23533-005	154898	5.13	133455	6.76	62320	8.05
6M140349.D	BLK	147643	5.13	136620	6.76	72030	8.05

I1 =	Fluorobenzene	I4 =		I7 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =			624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =			524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

1051310 0303

FORM8

Internal Standard Areas

Evaluation Std Data File: 6M140314.D Method: EPA 8260D

Analysis Date/Time: 05/24/21 09:34

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	173892	5.13	168022	6.76	116650	8.05								
Eval File Area Limit:	86946-347784		84011-336044		58325-233300									
Eval File Rt Limit:	4.63-5.63		6.26-7.26		7.55-8.55									

Data File	Sample#						
6M140350.D	BLK-2	161470	5.13	147225	6.76	78862	8.05
6M140351.D	BLK-4	158751	5.13	143727	6.76	77880	8.05
6M140356.D	BLK	172625	5.13	155441	6.76	98153	8.05

I1 =	Fluorobenzene	I4 =	I7 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =		624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =		524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

1051310 0304

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M148857.D Method: EPA 8260D

Analysis Date/Time: 05/25/21 12:57

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	360133	5.32	446165	6.97	337611	8.26								
Eval File Area Limit:	180066-720266		223082-892330		168806-675222									
Eval File Rt Limit:	4.82-5.82		6.47-7.47		7.76-8.76									

Data File	Sample#						
1M148855.D	STD	331865	5.32	421158	6.97	301685	8.26
1M148856.D	50 PPB	338253	5.31	416742	6.96	319039	8.26
1M148858.D	BLK	301991	5.32	379333	6.97	277205	8.26
1M148859.D	BLK	346379	5.31	444930	6.97	318614	8.26
1M148860.D	BLK	341740	5.32	444900	6.97	319237	8.26
1M148861.D	DAILY BLANK	345733	5.31	451572	6.97	315199	8.26
1M148862.D	AD23375-019	323725	5.32	444586	6.97	325831	8.26
1M148863.D	AD23544-001	293574	5.32	321389	6.97	165222	8.26
1M148864.D	AD23575-003	333636	5.31	435150	6.97	300097	8.26
1M148865.D	MBS93494	311240	5.31	395822	6.97	297983	8.26
1M148866.D	BLK	330080	5.32	427804	6.97	319595	8.26
1M148867.D	AD23543-005(5X)	219209	5.32	300378	6.97	307196	8.26
1M148868.D	AD23575-003(MS)	494309	5.31	620513	6.97	469949	8.26
1M148869.D	AD23575-003(MSD)	492038	5.31	627419	6.96	467699	8.26
1M148870.D	BLK	496385	5.32	642255	6.97	487376	8.26
1M148871.D	BLK	498254	5.32	645873	6.97	489739	8.26
1M148872.D	AD23510-004	474977	5.32	610973	6.97	433785	8.26
1M148873.D	AD23533-002	444004	5.32	537016	6.97	342882	8.26
1M148874.D	AD23533-003	464954	5.31	579435	6.96	386250	8.26
1M148875.D	AD23533-004	421005	5.31	503610	6.97	314915	8.26
1M148876.D	AD23533-005	22186	5.32	42496	6.97	40948	8.26
1M148877.D	AD23564-002	447714	5.32	522945	6.97	318200	8.26
1M148878.D	AD23572-001	468356	5.31	609609	6.97	437503	8.26
1M148879.D	AD23572-002	466026	5.31	598816	6.96	429289	8.26
1M148880.D	AD23572-003	464271	5.31	611490	6.97	440871	8.26
1M148881.D	AD23585-001	496716	5.32	658238	6.97	486793	8.26
1M148882.D	AD23524-003	504091	5.32	659446	6.97	500151	8.26
1M148883.D	AD23524-007	495349	5.32	655495	6.97	496790	8.26
1M148884.D	AD23524-011	483272	5.32	645889	6.97	469323	8.26
1M148885.D	AD23524-015	511163	5.32	676000	6.97	501730	8.26
1M148886.D	AD23524-019	509241	5.32	684655	6.96	519541	8.26
1M148887.D	AD23544-001	452965	5.32	499138	6.97	272982	8.26

I1 =	Fluorobenzene	I4 =	I7 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =		624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =		524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

1051310 0305

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M148857.D Method: EPA 8260D

Analysis Date/Time: 05/25/21 12:57

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	360133	5.32	446165	6.97	337611	8.26								
Eval File Area Limit:	180066-720266		223082-892330		168806-675222									
Eval File Rt Limit:	4.82-5.82		6.47-7.47		7.76-8.76									

Data File	Sample#						
1M148888.D	MBS93499	449780	5.31	579830	6.97	427499	8.26
1M148889.D	BLK	480641	5.32	629766	6.97	490854	8.26
1M148890.D	BLK	493747	5.31	657301	6.97	503770	8.26
1M148891.D	BLK	430567	5.32	581385	6.96	439763	8.26
1M148892.D	BLK	408795	5.32	545643	6.97	413953	8.26
1M148893.D	BLK	494450	5.32	648331	6.97	494323	8.26
1M148894.D	AD23504-002	458639	5.32	606457	6.96	452673	8.26
1M148895.D	AD23599-002	462116	5.32	618877	6.97	470607	8.26

I1 =	Fluorobenzene	I4 =		I7 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =			624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =			524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

Wet Chemistry Data

VERITECH Wet Chem Form1 Analysis Summary
% Solids

TestGroupName: % Solids SM2540G **Project #: 1051310**

TestGroup: %SOLIDS

Lab#	Client SampleID	Matrix	Dilution:	Result	Units:	RL	Prep Date	Analysis Date	Received Date	Collect Date
AD23375-001	HSI-SB-14(3.5')	Soil/Terracore	1	86	Percent			05/14/21	05/13/21	05/12/21
AD23375-002	HSI-SB-14(5')	Soil/Terracore	1	85	Percent			05/14/21	05/13/21	05/12/21
AD23375-003	HSI-SB-14(6.5')	Soil/Terracore	1	82	Percent			05/14/21	05/13/21	05/12/21
AD23375-004	HSI-SB-14(8')	Soil/Terracore	1	83	Percent			05/14/21	05/13/21	05/12/21
AD23375-005	HSI-SB-14(10')	Soil/Terracore	1	83	Percent			05/14/21	05/13/21	05/12/21
AD23375-006	HSI-SB-14(12.5')	Soil/Terracore	1	81	Percent			05/14/21	05/13/21	05/12/21
AD23375-007	HSI-SB-14(14.5')	Soil/Terracore	1	80	Percent			05/14/21	05/13/21	05/12/21
AD23375-008	HSI-SB-14(16.5')	Soil/Terracore	1	81	Percent			05/14/21	05/13/21	05/12/21
AD23375-009	HIS-SB-14(18.5')	Soil/Terracore	1	81	Percent			05/14/21	05/13/21	05/12/21
AD23375-010	HSI-SB-D2	Soil/Terracore	1	82	Percent			05/14/21	05/13/21	05/12/21
AD23375-011	HSI-SB-15(3.5')	Soil/Terracore	1	86	Percent			05/14/21	05/13/21	05/12/21
AD23375-012	HSI-SB-15(5.5')	Soil/Terracore	1	82	Percent			05/14/21	05/13/21	05/12/21
AD23375-013	HSI-SB-15(6')	Soil/Terracore	1	80	Percent			05/14/21	05/13/21	05/12/21
AD23375-014	HSI-SB-15(8.5')	Soil/Terracore	1	80	Percent			05/14/21	05/13/21	05/12/21
AD23375-015	HSI-SB-15(10')	Soil/Terracore	1	85	Percent			05/14/21	05/13/21	05/12/21
AD23375-016	HSI-SB-15(12.5')	Soil/Terracore	1	86	Percent			05/14/21	05/13/21	05/12/21
AD23375-017	HSI-SB-15(14')	Soil/Terracore	1	78	Percent			05/14/21	05/13/21	05/12/21
AD23375-018	HSI-SB-15(16.5')	Soil/Terracore	1	84	Percent			05/14/21	05/13/21	05/12/21
AD23375-019	HSI-SB-15(18.5')	Soil/Terracore	1	81	Percent			05/14/21	05/13/21	05/12/21
AD23375-020	HSI-SB-D3	Soil/Terracore	1	82	Percent			05/14/21	05/13/21	05/12/21

% Solids Report

Analysis Type: SOLIDS-SS
BatchID: SOLIDS-SS-11737

QcType	SampleID:	Rounded Result	Raw Result	Units	Tare Weight	Wet Weight	Dry Weight	Analysis Date	Analyzed By	QC RPD	Rpd Limit
DUP	AD23370-025	84	84.39462	Percent	1.34	12.49	10.75	05/14/21	BEENA	0.057	5
Sample	AD23370-019	84	84.15493	Percent	1.32	9.84	8.49	05/14/21	BEENA		
Sample	AD23370-020	85	84.51688	Percent	1.33	9.92	8.58	05/14/21	BEENA		
Sample	AD23370-021	81	81.45833	Percent	1.32	10.92	9.14	05/14/21	BEENA		
Sample	AD23370-022	86	85.77586	Percent	1.34	10.62	9.30	05/14/21	BEENA		
Sample	AD23370-023	89	88.85768	Percent	1.33	12.01	10.82	05/14/21	BEENA		
Sample	AD23370-024	88	88.37656	Percent	1.35	11.76	10.55	05/14/21	BEENA		
Sample	AD23370-025	84	84.44266	Percent	1.34	13.81	11.87	05/14/21	BEENA		
Sample	AD23370-026	85	85.17469	Percent	1.35	11.94	10.37	05/14/21	BEENA		
Sample	AD23373-001	81	80.78902	Percent	1.33	12.99	10.75	05/14/21	BEENA		
Sample	AD23375-001	86	86.43777	Percent	1.35	13.00	11.42	05/14/21	BEENA		
Sample	AD23375-002	85	84.65396	Percent	1.35	11.32	9.79	05/14/21	BEENA		
Sample	AD23375-003	82	82.37059	Percent	1.34	14.67	12.32	05/14/21	BEENA		
Sample	AD23375-004	83	82.94372	Percent	1.33	12.88	10.91	05/14/21	BEENA		
Sample	AD23375-005	83	82.64794	Percent	1.34	11.31	9.58	05/14/21	BEENA		
Sample	AD23375-006	81	81.48559	Percent	1.34	10.36	8.69	05/14/21	BEENA		
Sample	AD23375-007	80	80.38095	Percent	1.35	11.85	9.79	05/14/21	BEENA		
Sample	AD23375-008	81	80.85328	Percent	1.34	10.95	9.11	05/14/21	BEENA		
Sample	AD23375-009	81	81.08108	Percent	1.33	11.69	9.73	05/14/21	BEENA		
Sample	AD23375-010	82	82.41895	Percent	1.33	9.35	7.94	05/14/21	BEENA		
Sample	AD23375-011	86	85.71429	Percent	1.33	10.71	9.37	05/14/21	BEENA		

* - Indicates Failed Rpd Criteria

% Solids Report

Analysis Type: SOLIDS-SS
BatchID: SOLIDS-SS-11738

QcType	SampleID:	Rounded Result	Raw Result	Units	Tare Weight	Wet Weight	Dry Weight	Analysis Date	Analyzed By	QC RPD	Rpd Limit
DUP	AD23377-002	86	85.63123	Percent	1.34	13.38	11.65	05/14/21	BEENA	0.0077	5
Sample	AD23371-001	87	86.73139	Percent	1.34	13.70	12.06	05/14/21	BEENA		
Sample	AD23371-002	89	89.13774	Percent	1.32	10.25	9.28	05/14/21	BEENA		
Sample	AD23371-003	83	82.53320	Percent	1.33	11.12	9.41	05/14/21	BEENA		
Sample	AD23371-004	77	77.45478	Percent	1.33	16.81	13.29	05/14/21	BEENA		
Sample	AD23375-012	82	81.56330	Percent	1.33	13.10	10.93	05/14/21	BEENA		
Sample	AD23375-013	80	80.32407	Percent	1.32	9.96	8.26	05/14/21	BEENA		
Sample	AD23375-014	80	80.30151	Percent	1.33	11.28	9.32	05/14/21	BEENA		
Sample	AD23375-015	85	85.48837	Percent	1.34	12.09	10.53	05/14/21	BEENA		
Sample	AD23375-016	86	85.94164	Percent	1.34	12.65	11.06	05/14/21	BEENA		
Sample	AD23375-017	78	78.30424	Percent	1.33	9.35	7.61	05/14/21	BEENA		
Sample	AD23375-018	84	83.58914	Percent	1.33	9.80	8.41	05/14/21	BEENA		
Sample	AD23375-019	81	80.86477	Percent	1.32	12.19	10.11	05/14/21	BEENA		
Sample	AD23375-020	82	81.92220	Percent	1.34	10.08	8.50	05/14/21	BEENA		
Sample	AD23377-001	88	87.66278	Percent	1.35	15.94	14.14	05/14/21	BEENA		
Sample	AD23377-002	86	85.63782	Percent	1.34	12.55	10.94	05/14/21	BEENA		
Sample	AD23377-003	84	83.51984	Percent	1.34	11.17	9.55	05/14/21	BEENA		
Sample	AD23377-004	76	76.46638	Percent	1.33	15.31	12.02	05/14/21	BEENA		
Sample	AD23377-005	76	76.12809	Percent	1.34	15.08	11.80	05/14/21	BEENA		
Sample	AD23378-001	84	84.29074	Percent	1.32	9.85	8.51	05/14/21	BEENA		
Sample	AD23378-002	84	84.38697	Percent	1.35	11.79	10.16	05/14/21	BEENA		

* - Indicates Failed Rpd Criteria

Hampton-Clarke
Analytical & Field Services

Last Page of Report

Hampton-Clarke
Analytical & Field Services

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Project: Hot Spot Refinement Study

Client PO: CG09042314MS

Report To: Chesapeake Geosciences Inc
5405 Twin Knolls Rd.
Suite 1
Columbia, MD 21045
Attn: Nancy Love

Received Date: 5/14/2021

Report Date: 6/14/2021

Deliverables: MDE-R

Lab ID: AD23414

Lab Project No: 1051428

Sean Berls - Quality Assurance Officer OR **Jean Revolus - Laboratory Director**

NJ (07071) NY (ELAP11408) CT (PH-0671)
PA (68-00463) KY (90124)

Hampton-Clarke
WBE/DBE/SBE 800-426-9992

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Sample Summary

Client: Chesapeake Geosciences Inc
Project: Hot Spot Refinement Study

HC Project #: 1051428

Lab#	SampleID	Matrix	Collection Date	Receipt Date
AD23414-001	HSI-SB-16 (3.5')	Soil/Terracore	5/13/2021	5/14/2021
AD23414-002	HSI-SB-16 (5')	Soil/Terracore	5/13/2021	5/14/2021
AD23414-003	HSI-SB-16 (6')	Soil/Terracore	5/13/2021	5/14/2021
AD23414-004	HSI-SB-16 (8.5')	Soil/Terracore	5/13/2021	5/14/2021
AD23414-005	HSI-SB-16 (10')	Soil/Terracore	5/13/2021	5/14/2021
AD23414-006	HSI-SB-16 (12.5')	Soil/Terracore	5/13/2021	5/14/2021
AD23414-007	HSI-SB-16 (14')	Soil/Terracore	5/13/2021	5/14/2021
AD23414-008	HSI-SB-16 (17.5')	Soil/Terracore	5/13/2021	5/14/2021
AD23414-009	HSI-SB-16 (19.5')	Soil/Terracore	5/13/2021	5/14/2021

HC Case Narrative

Client: Chesapeake Geosciences Inc **HC Project:** 1051428
Project: Hot Spot Refinement Study

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

The Method Blank Spike for batches 92595, 92608, 92618, 92624, 92626, 93436, 93440 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batches 92618, 92626, 93436, 93440 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD, Matrix Spike and/or Matrix Spike Duplicate for batches 92608, 92624 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Wet Chemistry Analysis:

Data conforms to method requirements.

Sean Berls
Quality Assurance Officer

Or

Jean Revolus
Laboratory Director

6/16/21
Date

HC Executive Summary

Client: Chesapeake Geosciences Inc **HC Project #:** 1051428

Project: Hot Spot Refinement Study

Lab#: AD23414-001 **Sample ID: HSI-SB-16 (3.5')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	3.4	350	EPA 8260D
1,2-Dichloroethane	mg/kg	4.9	33	EPA 8260D
4-Methyl-2-pentanone	mg/kg	3.7	91	EPA 8260D
Benzene	mg/kg	2.3	4.0	EPA 8260D
Chlorobenzene	mg/kg	2.5	710	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	4.9	31	EPA 8260D
Ethylbenzene	mg/kg	3.6	52	EPA 8260D
Isopropylbenzene	mg/kg	3.8	5.4J	EPA 8260D
m&p-Xylenes	mg/kg	6.5	250	EPA 8260D
Methylene chloride	mg/kg	2.3	36	EPA 8260D
o-Xylene	mg/kg	5.3	59	EPA 8260D
Tetrachloroethene	mg/kg	2.7	73	EPA 8260D
Toluene	mg/kg	2.5	1300	EPA 8260D
trans-1,2-Dichloroethene	mg/kg	2.4	5.8J	EPA 8260D
Trichloroethene	mg/kg	2.7	790	EPA 8260D
Xylenes (Total)	mg/kg	5.3	310	EPA 8260D

Lab#: AD23414-002 **Sample ID: HSI-SB-16 (5')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	0.35	37	EPA 8260D
1,2-Dichloroethane	mg/kg	0.50	4.9	EPA 8260D
4-Methyl-2-pentanone	mg/kg	0.38	22	EPA 8260D
Benzene	mg/kg	0.23	0.46	EPA 8260D
Chlorobenzene	mg/kg	0.26	61	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	0.49	4.3	EPA 8260D
Ethylbenzene	mg/kg	0.36	4.1	EPA 8260D
Isopropylbenzene	mg/kg	0.38	0.49J	EPA 8260D
m&p-Xylenes	mg/kg	0.66	24	EPA 8260D
Methylene chloride	mg/kg	0.23	6.9	EPA 8260D
o-Xylene	mg/kg	0.53	5.6	EPA 8260D
Tetrachloroethene	mg/kg	0.28	6.1	EPA 8260D
Toluene	mg/kg	0.25	120	EPA 8260D
Trichloroethene	mg/kg	0.27	64	EPA 8260D
Xylenes (Total)	mg/kg	0.53	30	EPA 8260D

HC Executive Summary

Client: Chesapeake Geosciences Inc **HC Project #:** 1051428

Project: Hot Spot Refinement Study

Lab#: AD23414-003 **Sample ID: HSI-SB-16 (6')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	0.077	8.1	EPA 8260D
1,2-Dichloroethane	mg/kg	0.11	1.4	EPA 8260D
4-Methyl-2-pentanone	mg/kg	0.083	2.6	EPA 8260D
Benzene	mg/kg	0.051	0.19	EPA 8260D
Chlorobenzene	mg/kg	0.056	27	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	0.11	5.2	EPA 8260D
Ethylbenzene	mg/kg	0.080	1.5	EPA 8260D
Isopropylbenzene	mg/kg	0.084	0.25	EPA 8260D
m&p-Xylenes	mg/kg	0.15	9.6	EPA 8260D
Methylcyclohexane	mg/kg	0.10	0.17J	EPA 8260D
Methylene chloride	mg/kg	0.050	0.51	EPA 8260D
o-Xylene	mg/kg	0.12	2.1	EPA 8260D
Tetrachloroethene	mg/kg	0.061	3.1	EPA 8260D
Toluene	mg/kg	0.056	39	EPA 8260D
trans-1,2-Dichloroethene	mg/kg	0.053	0.46	EPA 8260D
Trichloroethene	mg/kg	0.059	20	EPA 8260D
Xylenes (Total)	mg/kg	0.12	12	EPA 8260D

Lab#: AD23414-004 **Sample ID: HSI-SB-16 (8.5')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	0.037	2.4	EPA 8260D
1,2-Dichloroethane	mg/kg	0.053	0.54	EPA 8260D
4-Methyl-2-pentanone	mg/kg	0.040	1.4	EPA 8260D
Benzene	mg/kg	0.025	0.076	EPA 8260D
Chlorobenzene	mg/kg	0.027	5.8	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	0.053	2.4	EPA 8260D
Ethylbenzene	mg/kg	0.039	0.35	EPA 8260D
Isopropylbenzene	mg/kg	0.041	0.049J	EPA 8260D
m&p-Xylenes	mg/kg	0.070	1.9	EPA 8260D
Methylene chloride	mg/kg	0.024	0.33	EPA 8260D
o-Xylene	mg/kg	0.057	0.48	EPA 8260D
Tetrachloroethene	mg/kg	0.030	0.64	EPA 8260D
Toluene	mg/kg	0.027	9.2	EPA 8260D
trans-1,2-Dichloroethene	mg/kg	0.026	0.16	EPA 8260D
Trichloroethene	mg/kg	0.029	4.9	EPA 8260D
Vinyl chloride	mg/kg	0.059	0.14	EPA 8260D
Xylenes (Total)	mg/kg	0.057	2.4	EPA 8260D

HC Executive Summary

Client: Chesapeake Geosciences Inc **HC Project #:** 1051428

Project: Hot Spot Refinement Study

Lab#: AD23414-005 **Sample ID: HSI-SB-16 (10')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	0.00037	0.015	EPA 8260D
1,1,2-Trichloroethane	mg/kg	0.00038	0.0014J	EPA 8260D
4-Methyl-2-pentanone	mg/kg	0.00048	0.022	EPA 8260D
Benzene	mg/kg	0.00061	0.0096	EPA 8260D
Chlorobenzene	mg/kg	0.00052	0.14	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	0.00067	0.34	EPA 8260D
Ethylbenzene	mg/kg	0.00057	0.0040	EPA 8260D
m&p-Xylenes	mg/kg	0.0010	0.0068	EPA 8260D
Methylcyclohexane	mg/kg	0.00075	0.0017	EPA 8260D
Methylene chloride	mg/kg	0.00062	0.0065	EPA 8260D
o-Xylene	mg/kg	0.00059	0.0038	EPA 8260D
Tetrachloroethene	mg/kg	0.00082	0.0024	EPA 8260D
Toluene	mg/kg	0.00055	0.057	EPA 8260D
trans-1,2-Dichloroethene	mg/kg	0.0010	0.023	EPA 8260D
Trichloroethene	mg/kg	0.00068	0.040	EPA 8260D
Vinyl chloride	mg/kg	0.0010	0.048	EPA 8260D
Xylenes (Total)	mg/kg	0.00059	0.011	EPA 8260D

Lab#: AD23414-006 **Sample ID: HSI-SB-16 (12.5')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	0.040	0.099	EPA 8260D
1,2-Dichlorobenzene	mg/kg	0.029	0.035J	EPA 8260D
1,2-Dichloroethane	mg/kg	0.056	0.14	EPA 8260D
Benzene	mg/kg	0.026	0.034J	EPA 8260D
Chlorobenzene	mg/kg	0.029	0.64	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	0.056	1.2	EPA 8260D
m&p-Xylenes	mg/kg	0.075	0.11	EPA 8260D
Methylene chloride	mg/kg	0.026	0.14	EPA 8260D
Toluene	mg/kg	0.029	0.54	EPA 8260D
trans-1,2-Dichloroethene	mg/kg	0.027	0.096	EPA 8260D
Trichloroethene	mg/kg	0.031	0.51	EPA 8260D
Vinyl chloride	mg/kg	0.063	0.094	EPA 8260D
Xylenes (Total)	mg/kg	0.060	0.11	EPA 8260D

Lab#: AD23414-007 **Sample ID: HSI-SB-16 (14')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	0.044	0.057J	EPA 8260D
1,2-Dichloroethane	mg/kg	0.062	0.093	EPA 8260D
Chlorobenzene	mg/kg	0.032	0.44	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	0.062	0.27	EPA 8260D
Methylene chloride	mg/kg	0.029	0.19	EPA 8260D
Toluene	mg/kg	0.032	0.53	EPA 8260D
trans-1,2-Dichloroethene	mg/kg	0.030	0.045J	EPA 8260D
Trichloroethene	mg/kg	0.034	0.41	EPA 8260D

HC Executive Summary

Client: Chesapeake Geosciences Inc **HC Project #:** 1051428

Project: Hot Spot Refinement Study

Lab#: AD23414-008 **Sample ID: HSI-SB-16 (17.5')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	0.00039	0.034	EPA 8260D
1,1-Dichloroethane	mg/kg	0.00076	0.00081J	EPA 8260D
1,2-Dichloroethane	mg/kg	0.00036	0.018	EPA 8260D
4-Methyl-2-pentanone	mg/kg	0.00051	0.018	EPA 8260D
Benzene	mg/kg	0.00064	0.0050	EPA 8260D
Chlorobenzene	mg/kg	0.00054	0.14	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	0.00071	0.028	EPA 8260D
Ethylbenzene	mg/kg	0.00060	0.0027	EPA 8260D
m&p-Xylenes	mg/kg	0.0011	0.011	EPA 8260D
Methylene chloride	mg/kg	0.00066	0.017	EPA 8260D
Methyl-t-butyl ether	mg/kg	0.00047	0.00087J	EPA 8260D
o-Xylene	mg/kg	0.00062	0.0040	EPA 8260D
Tetrachloroethene	mg/kg	0.00086	0.0033	EPA 8260D
Toluene	mg/kg	0.00058	0.11	EPA 8260D
trans-1,2-Dichloroethene	mg/kg	0.0011	0.0018	EPA 8260D
Trichloroethene	mg/kg	0.00072	0.061	EPA 8260D
Vinyl chloride	mg/kg	0.0011	0.0097	EPA 8260D
Xylenes (Total)	mg/kg	0.00062	0.015	EPA 8260D

Lab#: AD23414-009 **Sample ID: HSI-SB-16 (19.5')**

Analyte	Units	RL/MDL	Result	Analytical Method
1,1,2,2-Tetrachloroethane	mg/kg	0.00041	0.0041	EPA 8260D
1,2-Dichloroethane	mg/kg	0.00038	0.0058	EPA 8260D
4-Methyl-2-pentanone	mg/kg	0.00053	0.0013J	EPA 8260D
Benzene	mg/kg	0.00067	0.0033	EPA 8260D
Chlorobenzene	mg/kg	0.00057	0.078	EPA 8260D
cis-1,2-Dichloroethene	mg/kg	0.00074	0.015	EPA 8260D
Ethylbenzene	mg/kg	0.00063	0.0014	EPA 8260D
m&p-Xylenes	mg/kg	0.0011	0.0059	EPA 8260D
Methylene chloride	mg/kg	0.00069	0.0089	EPA 8260D
o-Xylene	mg/kg	0.00065	0.0018	EPA 8260D
Tetrachloroethene	mg/kg	0.00090	0.0028	EPA 8260D
Toluene	mg/kg	0.00060	0.058	EPA 8260D
trans-1,2-Dichloroethene	mg/kg	0.0011	0.0014J	EPA 8260D
Trichloroethene	mg/kg	0.00075	0.045	EPA 8260D
Vinyl chloride	mg/kg	0.0011	0.0078	EPA 8260D
Xylenes (Total)	mg/kg	0.00065	0.0077	EPA 8260D

HC Report of Analysis

Client: Chesapeake Geosciences Inc
HC Project #: 1051428
Project: Hot Spot Refinement Study

Sample ID: HSI-SB-16 (3.5')
Lab#: AD23414-001
Matrix: Soil/Terracore
Collection Date: 5/13/2021
Receipt Date: 5/14/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		86

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	6620	mg/kg	2.8	7.7	ND
1,1,2,2-Tetrachloroethane	**6620**	**mg/kg**	**3.4**	7.7	**350**
1,1,2-Trichloro-1,2,2-trifluoroethane	6620	mg/kg	5.6	7.7	ND
1,1,2-Trichloroethane	6620	mg/kg	2.5	7.7	ND
1,1-Dichloroethane	6620	mg/kg	3.3	7.7	ND
1,1-Dichloroethene	6620	mg/kg	4.1	7.7	ND
1,2,3-Trichlorobenzene	6620	mg/kg	6.1	7.7	ND
1,2,4-Trichlorobenzene	6620	mg/kg	5.6	7.7	ND
1,2-Dibromo-3-chloropropane	6620	mg/kg	6.4	7.7	ND
1,2-Dibromoethane	6620	mg/kg	2.6	7.7	ND
1,2-Dichlorobenzene	6620	mg/kg	2.5	7.7	ND
1,2-Dichloroethane	**6620**	**mg/kg**	**4.9**	4.9	**33**
1,2-Dichloropropane	6620	mg/kg	2.3	7.7	ND
1,3-Dichlorobenzene	6620	mg/kg	2.9	7.7	ND
1,4-Dichlorobenzene	6620	mg/kg	2.8	7.7	ND
1,4-Dioxane	6620	mg/kg	300	390	ND
2-Butanone	6620	mg/kg	5.8	7.7	ND
2-Hexanone	6620	mg/kg	4.6	7.7	ND
4-Methyl-2-pentanone	**6620**	**mg/kg**	**3.7**	7.7	**91**
Acetone	6620	mg/kg	35	39	ND
Benzene	**6620**	**mg/kg**	**2.3**	3.9	**4.0**
Bromochloromethane	6620	mg/kg	6.1	7.7	ND
Bromodichloromethane	6620	mg/kg	2.7	7.7	ND
Bromoform	6620	mg/kg	4.2	7.7	ND
Bromomethane	6620	mg/kg	3.9	7.7	ND
Carbon disulfide	6620	mg/kg	3.3	7.7	ND
Carbon tetrachloride	6620	mg/kg	2.5	7.7	ND
Chlorobenzene	**6620**	**mg/kg**	**2.5**	7.7	**710**
Chloroethane	6620	mg/kg	4.5	7.7	ND
Chloroform	6620	mg/kg	15	15	ND
Chloromethane	6620	mg/kg	4.0	7.7	ND
cis-1,2-Dichloroethene	**6620**	**mg/kg**	**4.9**	7.7	**31**
cis-1,3-Dichloropropene	6620	mg/kg	2.5	7.7	ND
~~Cyclohexane~~	~~6620~~	~~mg/kg~~	~~3.7~~	7.7	~~ND~~
Dibromochloromethane	6620	mg/kg	1.8	7.7	ND
Dichlorodifluoromethane	6620	mg/kg	4.8	7.7	ND
Ethylbenzene	**6620**	**mg/kg**	**3.6**	7.7	**52**
Isopropylbenzene	**6620**	**mg/kg**	**3.8**	7.7	**5.4J**
m&p-Xylenes	**6620**	**mg/kg**	**6.5**	7.7	**250**
Methyl Acetate	6620	mg/kg	5.4	7.7	ND
Methylcyclohexane	6620	mg/kg	4.7	7.7	ND
Methylene chloride	**6620**	**mg/kg**	**2.3**	7.7	**36**
Methyl-t-butyl ether	6620	mg/kg	2.4	3.9	ND
o-Xylene	**6620**	**mg/kg**	**5.3**	7.7	**59**
Styrene	6620	mg/kg	4.2	7.7	ND
Tetrachloroethene	**6620**	**mg/kg**	**2.7**	7.7	**73**
Toluene	**6620**	**mg/kg**	**2.5**	7.7	**1300**
trans-1,2-Dichloroethene	**6620**	**mg/kg**	**2.4**	7.7	**5.8J**
trans-1,3-Dichloropropene	6620	mg/kg	2.4	7.7	ND
Trichloroethene	**6620**	**mg/kg**	**2.7**	7.7	**790**
Trichlorofluoromethane	6620	mg/kg	2.4	7.7	ND
Vinyl chloride	6620	mg/kg	5.4	7.7	ND
Xylenes (Total)	**6620**	**mg/kg**	**5.3**	7.7	**310**

Sample ID: HSI-SB-16 (5')
Lab#: AD23414-002
Matrix: Soil/Terracore

Collection Date: 5/13/2021
Receipt Date: 5/14/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		86

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	668	mg/kg	0.28	0.78	ND
1,1,2,2-Tetrachloroethane	**668**	**mg/kg**	**0.35**	0.78	**37**
1,1,2-Trichloro-1,2,2-trifluoroethane	668	mg/kg	0.56	0.78	ND
1,1,2-Trichloroethane	668	mg/kg	0.25	0.78	ND
1,1-Dichloroethane	668	mg/kg	0.33	0.78	ND
1,1-Dichloroethene	668	mg/kg	0.41	0.78	ND
1,2,3-Trichlorobenzene	668	mg/kg	0.61	0.78	ND
1,2,4-Trichlorobenzene	668	mg/kg	0.56	0.78	ND
1,2-Dibromo-3-chloropropane	668	mg/kg	0.65	0.78	ND
1,2-Dibromoethane	668	mg/kg	0.27	0.78	ND
1,2-Dichlorobenzene	668	mg/kg	0.25	0.78	ND
1,2-Dichloroethane	**668**	**mg/kg**	**0.50**	0.50	**4.9**
1,2-Dichloropropane	668	mg/kg	0.23	0.78	ND
1,3-Dichlorobenzene	668	mg/kg	0.29	0.78	ND
1,4-Dichlorobenzene	668	mg/kg	0.28	0.78	ND
1,4-Dioxane	668	mg/kg	31	39	ND
2-Butanone	668	mg/kg	0.58	0.78	ND
2-Hexanone	668	mg/kg	0.47	0.78	ND
4-Methyl-2-pentanone	**668**	**mg/kg**	**0.38**	0.78	**22**
Acetone	668	mg/kg	3.6	3.9	ND
Benzene	**668**	**mg/kg**	**0.23**	0.39	**0.46**
Bromochloromethane	668	mg/kg	0.61	0.78	ND
Bromodichloromethane	668	mg/kg	0.27	0.78	ND
Bromoform	668	mg/kg	0.42	0.78	ND
Bromomethane	668	mg/kg	0.39	0.78	ND
Carbon disulfide	668	mg/kg	0.33	0.78	ND
Carbon tetrachloride	668	mg/kg	0.25	0.78	ND
Chlorobenzene	**668**	**mg/kg**	**0.26**	0.78	**61**
Chloroethane	668	mg/kg	0.45	0.78	ND
Chloroform	668	mg/kg	1.5	1.5	ND
Chloromethane	668	mg/kg	0.40	0.78	ND
cis-1,2-Dichloroethene	**668**	**mg/kg**	**0.49**	0.78	**4.3**
cis-1,3-Dichloropropene	668	mg/kg	0.25	0.78	ND
Cyclohexane	668	mg/kg	0.38	0.78	ND
Dibromochloromethane	668	mg/kg	0.19	0.78	ND
Dichlorodifluoromethane	668	mg/kg	0.48	0.78	ND
Ethylbenzene	**668**	**mg/kg**	**0.36**	0.78	**4.1**
Isopropylbenzene	**668**	**mg/kg**	**0.38**	0.78	**0.49J**
m&p-Xylenes	**668**	**mg/kg**	**0.66**	0.78	**24**
Methyl Acetate	668	mg/kg	0.55	0.78	ND
Methylcyclohexane	668	mg/kg	0.48	0.78	ND
Methylene chloride	**668**	**mg/kg**	**0.23**	0.78	**6.9**
Methyl-t-butyl ether	668	mg/kg	0.24	0.39	ND
o-Xylene	**668**	**mg/kg**	**0.53**	0.78	**5.6**
Styrene	668	mg/kg	0.42	0.78	ND
Tetrachloroethene	**668**	**mg/kg**	**0.28**	0.78	**6.1**
Toluene	**668**	**mg/kg**	**0.25**	0.78	**120**
trans-1,2-Dichloroethene	668	mg/kg	0.24	0.78	ND
trans-1,3-Dichloropropene	668	mg/kg	0.24	0.78	ND
Trichloroethene	**668**	**mg/kg**	**0.27**	0.78	**64**
Trichlorofluoromethane	668	mg/kg	0.24	0.78	ND
Vinyl chloride	668	mg/kg	0.55	0.78	ND
Xylenes (Total)	**668**	**mg/kg**	**0.53**	0.78	**30**

Sample ID: HSI-SB-16 (6')
Lab#: AD23414-003
Matrix: Soil/Terracore

Collection Date: 5/13/2021
Receipt Date: 5/14/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		83

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	142	mg/kg	0.061	0.17	ND
1,1,2,2-Tetrachloroethane	**142**	**mg/kg**	**0.077**	0.17	**8.1**
1,1,2-Trichloro-1,2,2-trifluoroethane	142	mg/kg	0.12	0.17	ND
1,1,2-Trichloroethane	142	mg/kg	0.055	0.17	ND
1,1-Dichloroethane	142	mg/kg	0.073	0.17	ND
1,1-Dichloroethene	142	mg/kg	0.091	0.17	ND
1,2,3-Trichlorobenzene	142	mg/kg	0.13	0.17	ND
1,2,4-Trichlorobenzene	142	mg/kg	0.12	0.17	ND
1,2-Dibromo-3-chloropropane	142	mg/kg	0.14	0.17	ND
1,2-Dibromoethane	142	mg/kg	0.059	0.17	ND
1,2-Dichlorobenzene	142	mg/kg	0.055	0.17	ND
1,2-Dichloroethane	**142**	**mg/kg**	**0.11**	0.11	**1.4**
1,2-Dichloropropane	142	mg/kg	0.051	0.17	ND
1,3-Dichlorobenzene	142	mg/kg	0.064	0.17	ND
1,4-Dichlorobenzene	142	mg/kg	0.062	0.17	ND
1,4-Dioxane	142	mg/kg	6.7	8.5	ND
2-Butanone	142	mg/kg	0.13	0.17	ND
2-Hexanone	142	mg/kg	0.10	0.17	ND
4-Methyl-2-pentanone	**142**	**mg/kg**	**0.083**	0.17	**2.6**
Acetone	142	mg/kg	0.78	0.85	ND
Benzene	**142**	**mg/kg**	**0.051**	0.085	**0.19**
Bromochloromethane	142	mg/kg	0.13	0.17	ND
Bromodichloromethane	142	mg/kg	0.059	0.17	ND
Bromoform	142	mg/kg	0.092	0.17	ND
Bromomethane	142	mg/kg	0.086	0.17	ND
Carbon disulfide	142	mg/kg	0.072	0.17	ND
Carbon tetrachloride	142	mg/kg	0.055	0.17	ND
Chlorobenzene	**142**	**mg/kg**	**0.056**	0.17	**27**
Chloroethane	142	mg/kg	0.099	0.17	ND
Chloroform	142	mg/kg	0.34	0.34	ND
Chloromethane	142	mg/kg	0.088	0.17	ND
cis-1,2-Dichloroethene	**142**	**mg/kg**	**0.11**	0.17	**5.2**
cis-1,3-Dichloropropene	142	mg/kg	0.055	0.17	ND
Cyclohexane	142	mg/kg	0.083	0.17	ND
Dibromochloromethane	142	mg/kg	0.041	0.17	ND
Dichlorodifluoromethane	142	mg/kg	0.11	0.17	ND
Ethylbenzene	**142**	**mg/kg**	**0.080**	0.17	**1.5**
Isopropylbenzene	**142**	**mg/kg**	**0.084**	0.17	**0.25**
m&p-Xylenes	**142**	**mg/kg**	**0.15**	0.17	**9.6**
Methyl Acetate	142	mg/kg	0.12	0.17	ND
Methylcyclohexane	**142**	**mg/kg**	**0.10**	0.17	**0.17J**
Methylene chloride	**142**	**mg/kg**	**0.050**	0.17	**0.51**
Methyl-t-butyl ether	142	mg/kg	0.053	0.085	ND
o-Xylene	**142**	**mg/kg**	**0.12**	0.17	**2.1**
Styrene	142	mg/kg	0.093	0.17	ND
Tetrachloroethene	**142**	**mg/kg**	**0.061**	0.17	**3.1**
Toluene	**142**	**mg/kg**	**0.056**	0.17	**39**
trans-1,2-Dichloroethene	**142**	**mg/kg**	**0.053**	0.17	**0.46**
trans-1,3-Dichloropropene	142	mg/kg	0.052	0.17	ND
Trichloroethene	**142**	**mg/kg**	**0.059**	0.17	**20**
Trichlorofluoromethane	142	mg/kg	0.052	0.17	ND
Vinyl chloride	142	mg/kg	0.12	0.17	ND
Xylenes (Total)	**142**	**mg/kg**	**0.12**	0.17	**12**

Sample ID: HSI-SB-16 (8.5')
Lab#: AD23414-004
Matrix: Soil/Terracore

Collection Date: 5/13/2021
Receipt Date: 5/14/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		84

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	69.6	mg/kg	0.030	0.083	ND
1,1,2,2-Tetrachloroethane	**69.6**	**mg/kg**	**0.037**	0.083	**2.4**
1,1,2-Trichloro-1,2,2-trifluoroethane	69.6	mg/kg	0.060	0.083	ND
1,1,2-Trichloroethane	69.6	mg/kg	0.026	0.083	ND
1,1-Dichloroethane	69.6	mg/kg	0.035	0.083	ND
1,1-Dichloroethene	69.6	mg/kg	0.044	0.083	ND
1,2,3-Trichlorobenzene	69.6	mg/kg	0.065	0.083	ND
1,2,4-Trichlorobenzene	69.6	mg/kg	0.060	0.083	ND
1,2-Dibromo-3-chloropropane	69.6	mg/kg	0.069	0.083	ND
1,2-Dibromoethane	69.6	mg/kg	0.028	0.083	ND
1,2-Dichlorobenzene	69.6	mg/kg	0.027	0.083	ND
1,2-Dichloroethane	**69.6**	**mg/kg**	**0.053**	0.053	**0.54**
1,2-Dichloropropane	69.6	mg/kg	0.025	0.083	ND
1,3-Dichlorobenzene	69.6	mg/kg	0.031	0.083	ND
1,4-Dichlorobenzene	69.6	mg/kg	0.030	0.083	ND
1,4-Dioxane	69.6	mg/kg	3.3	4.1	ND
2-Butanone	69.6	mg/kg	0.062	0.083	ND
2-Hexanone	69.6	mg/kg	0.050	0.083	ND
4-Methyl-2-pentanone	**69.6**	**mg/kg**	**0.040**	0.083	**1.4**
Acetone	69.6	mg/kg	0.38	0.41	ND
Benzene	**69.6**	**mg/kg**	**0.025**	0.041	**0.076**
Bromochloromethane	69.6	mg/kg	0.065	0.083	ND
Bromodichloromethane	69.6	mg/kg	0.029	0.083	ND
Bromoform	69.6	mg/kg	0.045	0.083	ND
Bromomethane	69.6	mg/kg	0.042	0.083	ND
Carbon disulfide	69.6	mg/kg	0.035	0.083	ND
Carbon tetrachloride	69.6	mg/kg	0.027	0.083	ND
Chlorobenzene	**69.6**	**mg/kg**	**0.027**	0.083	**5.8**
Chloroethane	69.6	mg/kg	0.048	0.083	ND
Chloroform	69.6	mg/kg	0.16	0.16	ND
Chloromethane	69.6	mg/kg	0.043	0.083	ND
cis-1,2-Dichloroethene	**69.6**	**mg/kg**	**0.053**	0.083	**2.4**
cis-1,3-Dichloropropene	69.6	mg/kg	0.027	0.083	ND
Cyclohexane	69.6	mg/kg	0.040	0.083	ND
Dibromochloromethane	69.6	mg/kg	0.020	0.083	ND
Dichlorodifluoromethane	69.6	mg/kg	0.051	0.083	ND
Ethylbenzene	**69.6**	**mg/kg**	**0.039**	0.083	**0.35**
Isopropylbenzene	**69.6**	**mg/kg**	**0.041**	0.083	**0.049J**
m&p-Xylenes	**69.6**	**mg/kg**	**0.070**	0.083	**1.9**
Methyl Acetate	69.6	mg/kg	0.058	0.083	ND
Methylcyclohexane	69.6	mg/kg	0.051	0.083	ND
Methylene chloride	**69.6**	**mg/kg**	**0.024**	0.083	**0.33**
Methyl-t-butyl ether	69.6	mg/kg	0.026	0.041	ND
o-Xylene	**69.6**	**mg/kg**	**0.057**	0.083	**0.48**
Styrene	69.6	mg/kg	0.045	0.083	ND
Tetrachloroethene	**69.6**	**mg/kg**	**0.030**	0.083	**0.64**
Toluene	**69.6**	**mg/kg**	**0.027**	0.083	**9.2**
trans-1,2-Dichloroethene	**69.6**	**mg/kg**	**0.026**	0.083	**0.16**
trans-1,3-Dichloropropene	69.6	mg/kg	0.025	0.083	ND
Trichloroethene	**69.6**	**mg/kg**	**0.029**	0.083	**4.9**
Trichlorofluoromethane	69.6	mg/kg	0.025	0.083	ND
Vinyl chloride	**69.6**	**mg/kg**	**0.059**	0.083	**0.14**
Xylenes (Total)	**69.6**	**mg/kg**	**0.057**	0.083	**2.4**

Sample ID: HSI-SB-16 (10')
Lab#: AD23414-005
Matrix: Soil/Terracore

Collection Date: 5/13/2021
Receipt Date: 5/14/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		83

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	0.691	mg/kg	0.00077	0.0017	ND
1,1,2,2-Tetrachloroethane	**0.691**	**mg/kg**	**0.00037**	0.0017	**0.015**
1,1,2-Trichloro-1,2,2-trifluoroethane	0.691	mg/kg	0.0012	0.0017	ND
1,1,2-Trichloroethane	**0.691**	**mg/kg**	**0.00038**	0.0017	**0.0014J**
1,1-Dichloroethane	0.691	mg/kg	0.00072	0.0017	ND
1,1-Dichloroethene	0.691	mg/kg	0.00096	0.0017	ND
1,2,3-Trichlorobenzene	0.691	mg/kg	0.00046	0.0017	ND
1,2,4-Trichlorobenzene	0.691	mg/kg	0.00052	0.0017	ND
1,2-Dibromo-3-chloropropane	0.691	mg/kg	0.00046	0.0017	ND
1,2-Dibromoethane	0.691	mg/kg	0.00041	0.00042	ND
1,2-Dichlorobenzene	0.691	mg/kg	0.00042	0.0017	ND
1,2-Dichloroethane	0.691	mg/kg	0.00034	0.0017	ND
1,2-Dichloropropane	0.691	mg/kg	0.00068	0.0017	ND
1,3-Dichlorobenzene	0.691	mg/kg	0.00046	0.0017	ND
1,4-Dichlorobenzene	0.691	mg/kg	0.00044	0.0017	ND
1,4-Dioxane	0.691	mg/kg	0.040	0.083	ND
2-Butanone	0.691	mg/kg	0.0010	0.0017	ND
2-Hexanone	0.691	mg/kg	0.00071	0.0017	ND
4-Methyl-2-pentanone	**0.691**	**mg/kg**	**0.00048**	0.0017	**0.022**
Acetone	0.691	mg/kg	0.0056	0.0083	ND
Benzene	**0.691**	**mg/kg**	**0.00061**	0.00083	**0.0096**
Bromochloromethane	0.691	mg/kg	0.00058	0.0017	ND
Bromodichloromethane	0.691	mg/kg	0.00039	0.0017	ND
Bromoform	0.691	mg/kg	0.00027	0.0017	ND
Bromomethane	0.691	mg/kg	0.0013	0.0017	ND
Carbon disulfide	0.691	mg/kg	0.0028	0.0028	ND
Carbon tetrachloride	0.691	mg/kg	0.00081	0.0017	ND
Chlorobenzene	**0.691**	**mg/kg**	**0.00052**	0.0017	**0.14**
Chloroethane	0.691	mg/kg	0.0016	0.0017	ND
Chloroform	0.691	mg/kg	0.0011	0.0017	ND
Chloromethane	0.691	mg/kg	0.0010	0.0017	ND
cis-1,2-Dichloroethene	**0.691**	**mg/kg**	**0.00067**	0.0017	**0.34**
cis-1,3-Dichloropropene	0.691	mg/kg	0.00044	0.0017	ND
Cyclohexane	0.691	mg/kg	0.0010	0.0017	ND
Dibromochloromethane	0.691	mg/kg	0.00036	0.0017	ND
Dichlorodifluoromethane	0.691	mg/kg	0.0012	0.0017	ND
Ethylbenzene	**0.691**	**mg/kg**	**0.00057**	0.00083	**0.0040**
Isopropylbenzene	0.691	mg/kg	0.00069	0.00083	ND
m&p-Xylenes	**0.691**	**mg/kg**	**0.0010**	0.0010	**0.0068**
Methyl Acetate	0.691	mg/kg	0.00080	0.0017	ND
Methylcyclohexane	**0.691**	**mg/kg**	**0.00075**	0.0017	**0.0017**
Methylene chloride	**0.691**	**mg/kg**	**0.00062**	0.0017	**0.0065**
Methyl-t-butyl ether	0.691	mg/kg	0.00045	0.00083	ND
o-Xylene	**0.691**	**mg/kg**	**0.00059**	0.00083	**0.0038**
Styrene	0.691	mg/kg	0.00046	0.0017	ND
Tetrachloroethene	**0.691**	**mg/kg**	**0.00082**	0.0017	**0.0024**
Toluene	**0.691**	**mg/kg**	**0.00055**	0.00083	**0.057**
trans-1,2-Dichloroethene	**0.691**	**mg/kg**	**0.0010**	0.0017	**0.023**
trans-1,3-Dichloropropene	0.691	mg/kg	0.00039	0.0017	ND
Trichloroethene	**0.691**	**mg/kg**	**0.00068**	0.0017	**0.040**
Trichlorofluoromethane	0.691	mg/kg	0.00098	0.0017	ND
Vinyl chloride	**0.691**	**mg/kg**	**0.0010**	0.0017	**0.048**
Xylenes (Total)	**0.691**	**mg/kg**	**0.00059**	0.00083	**0.011**

Sample ID: HSI-SB-16 (12.5')
Lab#: AD23414-006
Matrix: Soil/Terracore

Collection Date: 5/13/2021
Receipt Date: 5/14/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		82

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	72.6	mg/kg	0.032	0.088	ND
1,1,2,2-Tetrachloroethane	**72.6**	**mg/kg**	**0.040**	0.088	**0.099**
1,1,2-Trichloro-1,2,2-trifluoroethane	72.6	mg/kg	0.064	0.088	ND
1,1,2-Trichloroethane	72.6	mg/kg	0.028	0.088	ND
1,1-Dichloroethane	72.6	mg/kg	0.038	0.088	ND
1,1-Dichloroethene	72.6	mg/kg	0.047	0.088	ND
1,2,3-Trichlorobenzene	72.6	mg/kg	0.070	0.088	ND
1,2,4-Trichlorobenzene	72.6	mg/kg	0.064	0.088	ND
1,2-Dibromo-3-chloropropane	72.6	mg/kg	0.074	0.088	ND
1,2-Dibromoethane	72.6	mg/kg	0.030	0.088	ND
1,2-Dichlorobenzene	**72.6**	**mg/kg**	**0.029**	0.088	**0.035J**
1,2-Dichloroethane	**72.6**	**mg/kg**	**0.056**	0.056	**0.14**
1,2-Dichloropropane	72.6	mg/kg	0.027	0.088	ND
1,3-Dichlorobenzene	72.6	mg/kg	0.033	0.088	ND
1,4-Dichlorobenzene	72.6	mg/kg	0.032	0.088	ND
1,4-Dioxane	72.6	mg/kg	3.5	4.4	ND
2-Butanone	72.6	mg/kg	0.066	0.088	ND
2-Hexanone	72.6	mg/kg	0.053	0.088	ND
4-Methyl-2-pentanone	72.6	mg/kg	0.043	0.088	ND
Acetone	72.6	mg/kg	0.41	0.44	ND
Benzene	**72.6**	**mg/kg**	**0.026**	0.044	**0.034J**
Bromochloromethane	72.6	mg/kg	0.070	0.088	ND
Bromodichloromethane	72.6	mg/kg	0.031	0.088	ND
Bromoform	72.6	mg/kg	0.048	0.088	ND
Bromomethane	72.6	mg/kg	0.044	0.088	ND
Carbon disulfide	72.6	mg/kg	0.037	0.088	ND
Carbon tetrachloride	72.6	mg/kg	0.029	0.088	ND
Chlorobenzene	**72.6**	**mg/kg**	**0.029**	0.088	**0.64**
Chloroethane	72.6	mg/kg	0.051	0.088	ND
Chloroform	72.6	mg/kg	0.17	0.17	ND
Chloromethane	72.6	mg/kg	0.046	0.088	ND
cis-1,2-Dichloroethene	**72.6**	**mg/kg**	**0.056**	0.088	**1.2**
cis-1,3-Dichloropropene	72.6	mg/kg	0.028	0.088	ND
Cyclohexane	72.6	mg/kg	0.043	0.088	ND
Dibromochloromethane	72.6	mg/kg	0.021	0.088	ND
Dichlorodifluoromethane	72.6	mg/kg	0.055	0.088	ND
Ethylbenzene	72.6	mg/kg	0.041	0.088	ND
Isopropylbenzene	72.6	mg/kg	0.044	0.088	ND
m&p-Xylenes	**72.6**	**mg/kg**	**0.075**	0.088	**0.11**
Methyl Acetate	72.6	mg/kg	0.062	0.088	ND
Methylcyclohexane	72.6	mg/kg	0.054	0.088	ND
Methylene chloride	**72.6**	**mg/kg**	**0.026**	0.088	**0.14**
Methyl-t-butyl ether	72.6	mg/kg	0.028	0.044	ND
o-Xylene	72.6	mg/kg	0.060	0.088	ND
Styrene	72.6	mg/kg	0.048	0.088	ND
Tetrachloroethene	72.6	mg/kg	0.032	0.088	ND
Toluene	**72.6**	**mg/kg**	**0.029**	0.088	**0.54**
trans-1,2-Dichloroethene	**72.6**	**mg/kg**	**0.027**	0.088	**0.096**
trans-1,3-Dichloropropene	72.6	mg/kg	0.027	0.088	ND
Trichloroethene	**72.6**	**mg/kg**	**0.031**	0.088	**0.51**
Trichlorofluoromethane	72.6	mg/kg	0.027	0.088	ND
Vinyl chloride	**72.6**	**mg/kg**	**0.063**	0.088	**0.094**
Xylenes (Total)	**72.6**	**mg/kg**	**0.060**	0.088	**0.11**

Sample ID: HSI-SB-16 (14')
Lab#: AD23414-007
Matrix: Soil/Terracore

Collection Date: 5/13/2021
Receipt Date: 5/14/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		78

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	75.9	mg/kg	0.035	0.097	ND
1,1,2,2-Tetrachloroethane	**75.9**	**mg/kg**	**0.044**	0.097	**0.057J**
1,1,2-Trichloro-1,2,2-trifluoroethane	75.9	mg/kg	0.071	0.097	ND
1,1,2-Trichloroethane	75.9	mg/kg	0.031	0.097	ND
1,1-Dichloroethane	75.9	mg/kg	0.042	0.097	ND
1,1-Dichloroethene	75.9	mg/kg	0.052	0.097	ND
1,2,3-Trichlorobenzene	75.9	mg/kg	0.077	0.097	ND
1,2,4-Trichlorobenzene	75.9	mg/kg	0.071	0.097	ND
1,2-Dibromo-3-chloropropane	75.9	mg/kg	0.081	0.097	ND
1,2-Dibromoethane	75.9	mg/kg	0.033	0.097	ND
1,2-Dichlorobenzene	75.9	mg/kg	0.032	0.097	ND
1,2-Dichloroethane	**75.9**	**mg/kg**	**0.062**	0.062	**0.093**
1,2-Dichloropropane	75.9	mg/kg	0.029	0.097	ND
1,3-Dichlorobenzene	75.9	mg/kg	0.037	0.097	ND
1,4-Dichlorobenzene	75.9	mg/kg	0.036	0.097	ND
1,4-Dioxane	75.9	mg/kg	3.8	4.9	ND
2-Butanone	75.9	mg/kg	0.073	0.097	ND
2-Hexanone	75.9	mg/kg	0.058	0.097	ND
4-Methyl-2-pentanone	75.9	mg/kg	0.047	0.097	ND
Acetone	75.9	mg/kg	0.45	0.49	ND
Benzene	75.9	mg/kg	0.029	0.049	ND
Bromochloromethane	75.9	mg/kg	0.076	0.097	ND
Bromodichloromethane	75.9	mg/kg	0.034	0.097	ND
Bromoform	75.9	mg/kg	0.053	0.097	ND
Bromomethane	75.9	mg/kg	0.049	0.097	ND
Carbon disulfide	75.9	mg/kg	0.041	0.097	ND
Carbon tetrachloride	75.9	mg/kg	0.031	0.097	ND
Chlorobenzene	**75.9**	**mg/kg**	**0.032**	0.097	**0.44**
Chloroethane	75.9	mg/kg	0.056	0.097	ND
Chloroform	75.9	mg/kg	0.19	0.19	ND
Chloromethane	75.9	mg/kg	0.050	0.097	ND
cis-1,2-Dichloroethene	**75.9**	**mg/kg**	**0.062**	0.097	**0.27**
cis-1,3-Dichloropropene	75.9	mg/kg	0.031	0.097	ND
Cyclohexane	75.9	mg/kg	0.047	0.097	ND
Dibromochloromethane	75.9	mg/kg	0.023	0.097	ND
Dichlorodifluoromethane	75.9	mg/kg	0.060	0.097	ND
Ethylbenzene	75.9	mg/kg	0.045	0.097	ND
Isopropylbenzene	75.9	mg/kg	0.048	0.097	ND
m&p-Xylenes	75.9	mg/kg	0.083	0.097	ND
Methyl Acetate	75.9	mg/kg	0.068	0.097	ND
Methylcyclohexane	75.9	mg/kg	0.060	0.097	ND
Methylene chloride	**75.9**	**mg/kg**	**0.029**	0.097	**0.19**
Methyl-t-butyl ether	75.9	mg/kg	0.030	0.049	ND
o-Xylene	75.9	mg/kg	0.066	0.097	ND
Styrene	75.9	mg/kg	0.053	0.097	ND
Tetrachloroethene	75.9	mg/kg	0.035	0.097	ND
Toluene	**75.9**	**mg/kg**	**0.032**	0.097	**0.53**
trans-1,2-Dichloroethene	**75.9**	**mg/kg**	**0.030**	0.097	**0.045J**
trans-1,3-Dichloropropene	75.9	mg/kg	0.030	0.097	ND
Trichloroethene	**75.9**	**mg/kg**	**0.034**	0.097	**0.41**
Trichlorofluoromethane	75.9	mg/kg	0.030	0.097	ND
Vinyl chloride	75.9	mg/kg	0.069	0.097	ND
Xylenes (Total)	75.9	mg/kg	0.066	0.097	ND

Sample ID: HSI-SB-16 (17.5')
Lab#: AD23414-008
Matrix: Soil/Terracore

Collection Date: 5/13/2021
Receipt Date: 5/14/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		81

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	0.709	mg/kg	0.00081	0.0018	ND
1,1,2,2-Tetrachloroethane	**0.709**	**mg/kg**	**0.00039**	0.0018	**0.034**
1,1,2-Trichloro-1,2,2-trifluoroethane	0.709	mg/kg	0.0012	0.0018	ND
1,1,2-Trichloroethane	0.709	mg/kg	0.00040	0.0018	ND
1,1-Dichloroethane	**0.709**	**mg/kg**	**0.00076**	0.0018	**0.00081J**
1,1-Dichloroethene	0.709	mg/kg	0.0010	0.0018	ND
1,2,3-Trichlorobenzene	0.709	mg/kg	0.00048	0.0018	ND
1,2,4-Trichlorobenzene	0.709	mg/kg	0.00055	0.0018	ND
1,2-Dibromo-3-chloropropane	0.709	mg/kg	0.00048	0.0018	ND
1,2-Dibromoethane	0.709	mg/kg	0.00043	0.00044	ND
1,2-Dichlorobenzene	0.709	mg/kg	0.00045	0.0018	ND
1,2-Dichloroethane	**0.709**	**mg/kg**	**0.00036**	0.0018	**0.018**
1,2-Dichloropropane	0.709	mg/kg	0.00072	0.0018	ND
1,3-Dichlorobenzene	0.709	mg/kg	0.00048	0.0018	ND
1,4-Dichlorobenzene	0.709	mg/kg	0.00046	0.0018	ND
1,4-Dioxane	0.709	mg/kg	0.043	0.088	ND
2-Butanone	0.709	mg/kg	0.0011	0.0018	ND
2-Hexanone	0.709	mg/kg	0.00074	0.0018	ND
4-Methyl-2-pentanone	**0.709**	**mg/kg**	**0.00051**	0.0018	**0.018**
Acetone	0.709	mg/kg	0.0059	0.0088	ND
Benzene	**0.709**	**mg/kg**	**0.00064**	0.00088	**0.0050**
Bromochloromethane	0.709	mg/kg	0.00061	0.0018	ND
Bromodichloromethane	0.709	mg/kg	0.00041	0.0018	ND
Bromoform	0.709	mg/kg	0.00029	0.0018	ND
Bromomethane	0.709	mg/kg	0.0014	0.0018	ND
Carbon disulfide	0.709	mg/kg	0.0030	0.0030	ND
Carbon tetrachloride	0.709	mg/kg	0.00085	0.0018	ND
Chlorobenzene	**0.709**	**mg/kg**	**0.00054**	0.00088	**0.14**
Chloroethane	0.709	mg/kg	0.0017	0.0018	ND
Chloroform	0.709	mg/kg	0.0012	0.0018	ND
Chloromethane	0.709	mg/kg	0.0011	0.0018	ND
cis-1,2-Dichloroethene	**0.709**	**mg/kg**	**0.00071**	0.0018	**0.028**
cis-1,3-Dichloropropene	0.709	mg/kg	0.00046	0.0018	ND
Cyclohexane	0.709	mg/kg	0.0011	0.0018	ND
Dibromochloromethane	0.709	mg/kg	0.00038	0.0018	ND
Dichlorodifluoromethane	0.709	mg/kg	0.0012	0.0018	ND
Ethylbenzene	**0.709**	**mg/kg**	**0.00060**	0.00088	**0.0027**
Isopropylbenzene	0.709	mg/kg	0.00073	0.00088	ND
m&p-Xylenes	**0.709**	**mg/kg**	**0.0011**	0.0011	**0.011**
Methyl Acetate	0.709	mg/kg	0.00084	0.0018	ND
Methylcyclohexane	0.709	mg/kg	0.00079	0.0018	ND
Methylene chloride	**0.709**	**mg/kg**	**0.00068**	0.0018	**0.017**
Methyl-t-butyl ether	**0.709**	**mg/kg**	**0.00047**	0.00088	**0.00087J**
o-Xylene	**0.709**	**mg/kg**	**0.00062**	0.00088	**0.0040**
Styrene	0.709	mg/kg	0.00048	0.0018	ND
Tetrachloroethene	**0.709**	**mg/kg**	**0.00086**	0.0018	**0.0033**
Toluene	**0.709**	**mg/kg**	**0.00058**	0.00088	**0.11**
trans-1,2-Dichloroethene	**0.709**	**mg/kg**	**0.0011**	0.0018	**0.0018**
trans-1,3-Dichloropropene	0.709	mg/kg	0.00041	0.0018	ND
Trichloroethene	**0.709**	**mg/kg**	**0.00072**	0.0018	**0.061**
Trichlorofluoromethane	0.709	mg/kg	0.0010	0.0018	ND
Vinyl chloride	**0.709**	**mg/kg**	**0.0011**	0.0018	**0.0097**
Xylenes (Total)	**0.709**	**mg/kg**	**0.00062**	0.00088	**0.015**

Sample ID: HSI-SB-16 (19.5')
Lab#: AD23414-009
Matrix: Soil/Terracore

Collection Date: 5/13/2021
Receipt Date: 5/14/2021

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		80

Volatile Organics (no search) 8260

Analyte	DF	Units	MDL	RL	Result
1,1,1-Trichloroethane	0.732	mg/kg	0.00084	0.0018	ND
1,1,2,2-Tetrachloroethane	**0.732**	**mg/kg**	**0.00041**	0.0018	**0.0041**
1,1,2-Trichloro-1,2,2-trifluoroethane	0.732	mg/kg	0.0013	0.0018	ND
1,1,2-Trichloroethane	0.732	mg/kg	0.00042	0.0018	ND
1,1-Dichloroethane	0.732	mg/kg	0.00080	0.0018	ND
1,1-Dichloroethene	0.732	mg/kg	0.0011	0.0018	ND
1,2,3-Trichlorobenzene	0.732	mg/kg	0.00050	0.0018	ND
1,2,4-Trichlorobenzene	0.732	mg/kg	0.00058	0.0018	ND
1,2-Dibromo-3-chloropropane	0.732	mg/kg	0.00050	0.0018	ND
1,2-Dibromoethane	0.732	mg/kg	0.00045	0.00046	ND
1,2-Dichlorobenzene	0.732	mg/kg	0.00047	0.0018	ND
1,2-Dichloroethane	**0.732**	**mg/kg**	**0.00038**	0.0018	**0.0058**
1,2-Dichloropropane	0.732	mg/kg	0.00075	0.0018	ND
1,3-Dichlorobenzene	0.732	mg/kg	0.00050	0.0018	ND
1,4-Dichlorobenzene	0.732	mg/kg	0.00048	0.0018	ND
1,4-Dioxane	0.732	mg/kg	0.044	0.092	ND
2-Butanone	0.732	mg/kg	0.0011	0.0018	ND
2-Hexanone	0.732	mg/kg	0.00078	0.0018	ND
4-Methyl-2-pentanone	**0.732**	**mg/kg**	**0.00053**	0.0018	**0.0013J**
Acetone	0.732	mg/kg	0.0062	0.0092	ND
Benzene	**0.732**	**mg/kg**	**0.00067**	0.00092	**0.0033**
Bromochloromethane	0.732	mg/kg	0.00064	0.0018	ND
Bromodichloromethane	0.732	mg/kg	0.00043	0.0018	ND
Bromoform	0.732	mg/kg	0.00030	0.0018	ND
Bromomethane	0.732	mg/kg	0.0014	0.0018	ND
Carbon disulfide	0.732	mg/kg	0.0031	0.0031	ND
Carbon tetrachloride	0.732	mg/kg	0.00089	0.0018	ND
Chlorobenzene	**0.732**	**mg/kg**	**0.00057**	0.00092	**0.078**
Chloroethane	0.732	mg/kg	0.0018	0.0018	ND
Chloroform	0.732	mg/kg	0.0012	0.0018	ND
Chloromethane	0.732	mg/kg	0.0011	0.0018	ND
cis-1,2-Dichloroethene	**0.732**	**mg/kg**	**0.00074**	0.0018	**0.015**
cis-1,3-Dichloropropene	0.732	mg/kg	0.00048	0.0018	ND
Cyclohexane	0.732	mg/kg	0.0011	0.0018	ND
Dibromochloromethane	0.732	mg/kg	0.00039	0.0018	ND
Dichlorodifluoromethane	0.732	mg/kg	0.0013	0.0018	ND
Ethylbenzene	**0.732**	**mg/kg**	**0.00063**	0.00092	**0.0014**
Isopropylbenzene	0.732	mg/kg	0.00076	0.00092	ND
m&p-Xylenes	**0.732**	**mg/kg**	**0.0011**	0.0011	**0.0059**
Methyl Acetate	0.732	mg/kg	0.00088	0.0018	ND
Methylcyclohexane	0.732	mg/kg	0.00082	0.0018	ND
Methylene chloride	**0.732**	**mg/kg**	**0.00069**	0.0018	**0.0089**
Methyl-t-butyl ether	0.732	mg/kg	0.00049	0.00092	ND
o-Xylene	**0.732**	**mg/kg**	**0.00065**	0.00092	**0.0018**
Styrene	0.732	mg/kg	0.00050	0.0018	ND
Tetrachloroethene	**0.732**	**mg/kg**	**0.00090**	0.0018	**0.0028**
Toluene	**0.732**	**mg/kg**	**0.00060**	0.00092	**0.058**
trans-1,2-Dichloroethene	**0.732**	**mg/kg**	**0.0011**	0.0018	**0.0014J**
trans-1,3-Dichloropropene	0.732	mg/kg	0.00043	0.0018	ND
Trichloroethene	**0.732**	**mg/kg**	**0.00075**	0.0018	**0.045**
Trichlorofluoromethane	0.732	mg/kg	0.0011	0.0018	ND
Vinyl chloride	**0.732**	**mg/kg**	**0.0011**	0.0018	**0.0078**
Xylenes (Total)	**0.732**	**mg/kg**	**0.00065**	0.00092	**0.0077**

HC Reporting Limit Definitions/Data Qualifiers

REPORTING DEFINITIONS

DF = Dilution Factor

LCS = Laboratory Control Spike

MBS = Method Blank Spike

MS = Matrix Spike

MSD = Matrix Spike Duplicate

MDL = Method Detection Limit

NA = Not Applicable

ND = Not Detected

PS = Post Digestion Spike

RL* = Reporting Limit

RT = Retention Time

**Samples with elevated Reporting Limits (RLs) as a result of a dilution may not achieve client reporting limits in some cases. The elevated RLs are unavoidable consequences of sample dilution required to quantitate target analytes that exceed the calibration range of the instrument.*

DATA QUALIFIERS

A- Indicates that the Tentatively Identified Compound (TIC) is suspected to be an aldol-condensation product. These compounds are by-products of acetone and methylene chloride used in the extraction process.

B- Indicates analyte was present in the Method Blank and sample.

d- For Pesticide and PCB analysis, the concentration between primary and secondary columns is greater than 40%. The lower concentration is generally reported.

E- Indicates the concentration exceeded the upper calibration range of the instrument.

J- Indicates the value is estimated because it is either a Tentatively Identified Compound (TIC) or the reported concentration is greater than the MDL but less than the RL. For samples results between the MDL and RL there is a possibility of false positives or misidentification at the quantitation levels. Additionally, the acceptance criteria for QC samples may not be met.

R- Retention Time is out.

Y- Indicates a contaminant found in the blank at less than 10% of the concentration of a contaminant found in the sample.

Laboratory Chronicle

Client: Chesapeake Geosciences Inc
Project: Hot Spot Refinement Study

HC Project #: 1051428

Lab#: AD23414-001 **Sample ID: HSI-SB-16 (3.5')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/17/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/20/21 05:06	WP

Lab#: AD23414-002 **Sample ID: HSI-SB-16 (5')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/17/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/21/21 06:38	WP

Lab#: AD23414-003 **Sample ID: HSI-SB-16 (6')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/17/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/21/21 06:59	WP

Lab#: AD23414-004 **Sample ID: HSI-SB-16 (8.5')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/17/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/20/21 04:23	WP

Lab#: AD23414-005 **Sample ID: HSI-SB-16 (10')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/17/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/19/21 11:00	SG

Laboratory Chronicle

Client: Chesapeake Geosciences Inc
Project: Hot Spot Refinement Study

HC Project #: 1051428

Lab#: AD23414-006 **Sample ID: HSI-SB-16 (12.5')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/17/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/20/21 15:28	SG

Lab#: AD23414-007 **Sample ID: HSI-SB-16 (14')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/17/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/18/21 18:38	SG

Lab#: AD23414-008 **Sample ID: HSI-SB-16 (17.5')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/17/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/18/21 05:11	SG

Lab#: AD23414-009 **Sample ID: HSI-SB-16 (19.5')**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	5/17/21 00:00	BEENA
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	5/18/21 05:30	SG

Chain of Custody

1051428 0020

Hampton-Clarke, Inc. (WBE/DBE/SBE)

175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

Hampton-Clarke
A Women-Owned, Disadvantaged, Small Business Enterprise

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

CHAIN OF CUSTODY RECORD

Project # (Lab Use Only): 1051428

Page 1 of 1

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Data Deliv.
When Available:	Summary	NJ Hazsite
1 Business Day (100%)*	Results + QC (Waste)	Excel Reg. NJ / NY / PA
2 Business Days (75%)*	Reduced:	EnviroData
3 Business Days (50%)*	[ ] NJ [ ] NY	EQuIS:
4 Business Days (35%)*	[ ] PA [X] Other MD	[ ] 4-File [ ] EZ
5 Business Days (25%)	NJ Full / NY ASP CatB	[ ] NYDEC
8 Business Days (Stand.)	NY ASP CatA	[ ] Region 2 or 5
Other:		Other:

* Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: Chesapeake GeoSciences (CGS)
Address: 5405 Twin Knolls Rd, Suite 1, Columbia, MD 21045
1b) Email/Cell/Fax/Ph: nlove@cgs.us.com
1c) Send Invoice to: Nancy Love
1d) Send Report to: Nancy Love

Project Information

2a) Project: Hot Spot Refinement Study Montgomery Brothers Dump
2b) Project Mgr: Nancy Love
2c) Project Location (City/State): North East, MD
2d) Quote/PO # (If Applicable): CG0904231414MS

FOR LAB USE ONLY ↓

Batch # AD23414

===> Check If Contingent ===>

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis (specify methods & parameter lists)

<=== Check If Contingent <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	VOCs 8260	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
001	HSI-SB-16 (3.5')	S	5/13/21	10:40		X	X			4						High CC
002	HSI-SB-16 (5')	S		10:50		X	X			4						High CC
003	HSI-SB-16 (6')	S		10:55		X	X			4						
004	HSI-SB-16 (8.5')	S		11:20		X	X			4						
005	HSI-SB-16 (10')	S		11:25		X	X			4						
006	HSI-SB-16 (12.5')	S		11:35		X	X			4						
007	HSI-SB-16 (14')	S		11:40		X	X			4						
008	HSI-SB-16 (17.5')	S		12:10		X	X			4						
009	HSI-SB-16 (19.5')	S	↓	12:20		X	X			4						
010																

10) Relinquished by:	Accepted by:	Date	Time
		5/14/21	1125
		5/14/21	14:30
		5/14/21	17:10

11) Sampler (print name): Meg Staines Date: 5/13/21

Additional Notes
MDE RMS Contract Rates

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- [ ] BN or BNA (8270D SIM)
- [ ] VOC (8260C SIM or 8011)
- [ ] SPLP (BN, BNA, Metals)
- [ ] 1,4 Dioxane

For NJ LSRP projects, indicate which standards need to be met:
- [ ] NJDEP GWQS
- [ ] NJDEP SRS
- [ ] NJDEP SPLP
- [ ] Other (specify):

Check if applicable:
- [ ] Project-Specific Reporting Limits
- [ ] High Contaminant Concentrations The 1st 2 samples
- [ ] NJ LSRP Project (also check boxes above/right)

Cooler Temperature: 2.5

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

Internal use: sampling plan (check box) HC [ ] or client [ ] FSP#

CONDITION UPON RECEIPT

Batch Number AD23414 Entered By: Ricardo
Date Entered 5/14/2021 6:26:00 PM

1	Yes	Is there a corresponding COC included with the samples?
2	Yes	Are the samples in a container such as a cooler or Ice chest?
3	No	Are the COC seals intact?
4	T0054	<--- Thermometer ID. Please specify the Temperature inside the container (in degC). 2.5
5	Yes	Are the samples refrigerated (where required)/have they arrived on ice?
6	Yes	Are the samples within the holding times for the parameters listed on the COC? IF no, list parameters and samples:
7	Yes	Are all of the sample bottles intact? If no, specify sample numbers broken/leaking
8	Yes	Are all of the sample labels or numbers legible? If no specify:
9	Yes	Do the contents match the COC? If no, specify
10	Yes	Is there enough sample sent for the analyses listed on the COC? If no, specify:
11	Yes	Are samples preserved correctly?
12	Yes	Was temperature blank present (Place comment below if not)? If not was temperature of samples verified?
13	NA	Other comments ...Specify (TB date, sample matrix, any missing info, etc.)
14	NA	Corrective actions (Specify item number and corrective action taken).
15	NA	Were any samples for ortho-phosphate or dissolved ferrous iron field filtered?

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AD23414-001	05/14/21 17:10	RICAR	0	M	Received
AD23414-001	05/14/21 18:26	RICAR	0	M	Login
AD23414-001	05/14/21 18:42	R12	1	A	NONE
AD23414-001	05/14/21 21:56	PA	1	A	mx
AD23414-001	05/14/21 21:57	R12	1	A	NONE
AD23414-001	05/17/21 08:39	BCT	1	A	SOLIDS
AD23414-001	05/17/21 11:14	R12	1	A	NONE
AD23414-001	05/14/21 19:07	R31	2	A	NONE
AD23414-001	05/18/21 15:32	RL	2	A	VOA
AD23414-001	05/18/21 16:09	R31	2	A	NONE
AD23414-001	05/19/21 17:36	RL	2	A	VOA
AD23414-001	05/19/21 17:37	R31	2	A	NONE
AD23414-001	05/14/21 19:07	F19	3	A	none
AD23414-001	05/14/21 19:07	F19	4	A	none
AD23414-002	05/14/21 17:10	RICAR	0	M	Received
AD23414-002	05/14/21 18:26	RICAR	0	M	Login
AD23414-002	05/14/21 18:42	R12	1	A	NONE
AD23414-002	05/14/21 21:56	PA	1	A	mx
AD23414-002	05/14/21 21:57	R12	1	A	NONE
AD23414-002	05/17/21 08:39	BCT	1	A	SOLIDS
AD23414-002	05/17/21 11:14	R12	1	A	NONE
AD23414-002	05/14/21 19:07	R31	2	A	NONE
AD23414-002	05/18/21 15:32	RL	2	A	VOA
AD23414-002	05/18/21 16:09	R31	2	A	NONE
AD23414-002	05/19/21 17:36	RL	2	A	VOA
AD23414-002	05/19/21 17:37	R31	2	A	NONE
AD23414-002	05/20/21 17:14	RL	2	A	VOA
AD23414-002	05/20/21 17:47	R31	2	A	NONE
AD23414-002	05/14/21 19:07	F19	3	A	none
AD23414-002	05/14/21 19:07	F19	4	A	none
AD23414-003	05/14/21 17:10	RICAR	0	M	Received
AD23414-003	05/14/21 18:26	RICAR	0	M	Login
AD23414-003	05/14/21 18:42	R12	1	A	NONE
AD23414-003	05/14/21 21:56	PA	1	A	mx
AD23414-003	05/14/21 21:57	R12	1	A	NONE
AD23414-003	05/17/21 08:39	BCT	1	A	SOLIDS
AD23414-003	05/17/21 11:14	R12	1	A	NONE
AD23414-003	05/14/21 19:07	R31	2	A	NONE
AD23414-003	05/18/21 15:32	RL	2	A	VOA
AD23414-003	05/18/21 16:09	R31	2	A	NONE
AD23414-003	05/19/21 17:36	RL	2	A	VOA
AD23414-003	05/19/21 17:37	R31	2	A	NONE
AD23414-003	05/20/21 17:14	RL	2	A	VOA
AD23414-003	05/20/21 17:47	R31	2	A	NONE
AD23414-003	05/14/21 19:07	F19	3	A	none
AD23414-003	05/14/21 19:07	F19	4	A	none
AD23414-004	05/14/21 17:10	RICAR	0	M	Received
AD23414-004	05/14/21 18:26	RICAR	0	M	Login
AD23414-004	05/14/21 18:42	R12	1	A	NONE
AD23414-004	05/14/21 21:56	PA	1	A	mx
AD23414-004	05/14/21 21:57	R12	1	A	NONE
AD23414-004	05/17/21 08:39	BCT	1	A	SOLIDS
AD23414-004	05/17/21 11:14	R12	1	A	NONE
AD23414-004	05/14/21 19:07	R31	2	A	NONE
AD23414-004	05/18/21 15:32	RL	2	A	VOA
AD23414-004	05/18/21 16:09	R31	2	A	NONE
AD23414-004	05/19/21 17:36	RL	2	A	VOA
AD23414-004	05/19/21 17:37	R31	2	A	NONE
AD23414-004	05/14/21 19:07	F19	3	A	none
AD23414-004	05/14/21 19:07	F19	4	A	none
AD23414-005	05/14/21 17:10	RICAR	0	M	Received
AD23414-005	05/14/21 18:26	RICAR	0	M	Login
AD23414-005	05/14/21 18:42	R12	1	A	NONE
AD23414-005	05/14/21 21:56	PA	1	A	mx
AD23414-005	05/14/21 21:57	R12	1	A	NONE
AD23414-005	05/17/21 08:39	BCT	1	A	SOLIDS
AD23414-005	05/17/21 11:14	R12	1	A	NONE
AD23414-005	05/14/21 19:07	R31	2	A	NONE
AD23414-005	05/18/21 15:32	RL	2	A	VOA
AD23414-005	05/18/21 16:09	R31	2	A	NONE
AD23414-005	05/14/21 19:07	F19	3	A	none
AD23414-005	05/14/21 19:07	F19	4	A	none
AD23414-005	05/19/21 10:39	RL	4	A	VOA
AD23414-006	05/14/21 17:10	RICAR	0	M	Received
AD23414-006	05/14/21 18:28	RICAR	0	M	Login

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AD23414-006	05/14/21 18:42	R12	1	A	NONE
AD23414-006	05/14/21 21:56	PA	1	A	mx
AD23414-008	05/14/21 21:57	R12	1	A	NONE
AD23414-006	05/17/21 08:39	BCT	1	A	SOLIDS
AD23414-006	05/17/21 11:14	R12	1	A	NONE
AD23414-006	05/14/21 19:07	R31	2	A	NONE
AD23414-006	05/18/21 15:32	RL	2	A	VOA
AD23414-006	05/18/21 16:09	R31	2	A	NONE
AD23414-006	05/14/21 19:07	F19	3	A	none
AD23414-006	05/19/21 10:39	RL	3	A	VOA
AD23414-006	05/14/21 19:07	F19	4	A	none
AD23414-007	05/14/21 17:10	RICAR	0	M	Received
AD23414-007	05/14/21 18:26	RICAR	0	M	Login
AD23414-007	05/14/21 18:42	R12	1	A	NONE
AD23414-007	05/14/21 21:56	PA	1	A	mx
AD23414-007	05/14/21 21:57	R12	1	A	NONE
AD23414-007	05/17/21 08:39	BCT	1	A	SOLIDS
AD23414-007	05/17/21 11:14	R12	1	A	NONE
AD23414-007	05/14/21 19:07	R31	2	A	NONE
AD23414-007	05/18/21 11:45	SG	2	M	VOA
AD23414-007	05/18/21 14:46	R31	2	A	NONE
AD23414-007	05/14/21 19:07	F19	3	A	none
AD23414-007	05/17/21 21:20	WP	3	A	VOA
AD23414-007	05/14/21 19:07	F19	4	A	none
AD23414-008	05/14/21 17:10	RICAR	0	M	Received
AD23414-008	05/14/21 18:26	RICAR	0	M	Login
AD23414-008	05/14/21 18:42	R12	1	A	NONE
AD23414-008	05/14/21 21:56	PA	1	A	mx
AD23414-008	05/14/21 21:57	R12	1	A	NONE
AD23414-008	05/17/21 08:39	BCT	1	A	SOLIDS
AD23414-008	05/17/21 11:14	R12	1	A	NONE
AD23414-008	05/14/21 19:07	R31	2	A	NONE
AD23414-008	05/14/21 19:07	F19	3	A	none
AD23414-008	05/17/21 21:20	WP	3	A	VOA
AD23414-008	05/14/21 19:07	F19	4	A	none
AD23414-009	05/14/21 17:10	RICAR	0	M	Received
AD23414-009	05/14/21 18:26	RICAR	0	M	Login
AD23414-009	05/14/21 18:42	R12	1	A	NONE
AD23414-009	05/14/21 21:56	PA	1	A	mx
AD23414-009	05/14/21 21:57	R12	1	A	NONE
AD23414-009	05/17/21 08:39	BCT	1	A	SOLIDS
AD23414-009	05/17/21 11:14	R12	1	A	NONE
AD23414-009	05/14/21 19:07	R31	2	A	NONE
AD23414-009	05/14/21 19:07	F19	3	A	none
AD23414-009	05/17/21 21:20	WP	3	A	VOA
AD23414-009	05/14/21 19:07	F19	4	A	none

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

Volatile Data

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23414-001(8uL)
Client Id: HSI-SB-16 (3.5')
Data File: 11M91425.D
Analysis Date: 05/20/21 05:06
Date Rec/Extracted: 05/14/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 7.55g:10ml
Final Vol: NA
Dilution: 6620
Solids: 86

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	2.8	7.7	U	56-23-5	Carbon Tetrachloride	2.5	7.7	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**3.4**	**7.7**	**350**	**108-90-7**	**Chlorobenzene**	**2.5**	**7.7**	**710**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	5.6	7.7	U	75-00-3	Chloroethane	4.5	7.7	U
79-00-5	1,1,2-Trichloroethane	2.5	7.7	U	67-66-3	Chloroform	15	15	U
75-34-3	1,1-Dichloroethane	3.3	7.7	U	74-87-3	Chloromethane	4.0	7.7	U
75-35-4	1,1-Dichloroethene	4.1	7.7	U	**156-59-2**	**cis-1,2-Dichloroethene**	**4.9**	**7.7**	**31**
87-61-6	1,2,3-Trichlorobenzene	6.1	7.7	U	10061-01-5	cis-1,3-Dichloropropene	2.5	7.7	U
120-82-1	1,2,4-Trichlorobenzene	5.6	7.7	U	110-82-7	Cyclohexane	3.7	7.7	U
96-12-8	1,2-Dibromo-3-Chloropropa	6.4	7.7	U	124-48-1	Dibromochloromethane	1.8	7.7	U
106-93-4	1,2-Dibromoethane	2.6	7.7	U	75-71-8	Dichlorodifluoromethane	4.8	7.7	U
95-50-1	1,2-Dichlorobenzene	2.5	7.7	U	**100-41-4**	**Ethylbenzene**	**3.6**	**7.7**	**52**
107-06-2	**1,2-Dichloroethane**	**4.9**	**4.9**	**33**	**98-82-8**	**Isopropylbenzene**	**3.8**	**7.7**	**5.4J**
78-87-5	1,2-Dichloropropane	2.3	7.7	U	**179601-23-1**	**m&p-Xylenes**	**6.5**	**7.7**	**250**
541-73-1	1,3-Dichlorobenzene	2.9	7.7	U	79-20-9	Methyl Acetate	5.4	7.7	U
106-46-7	1,4-Dichlorobenzene	2.8	7.7	U	108-87-2	Methylcyclohexane	4.7	7.7	U
123-91-1	1,4-Dioxane	300	390	U	**75-09-2**	**Methylene Chloride**	**2.3**	**7.7**	**36**
78-93-3	2-Butanone	5.8	7.7	U	1634-04-4	Methyl-t-butyl ether	2.4	3.9	U
591-78-6	2-Hexanone	4.6	7.7	U	**95-47-6**	**o-Xylene**	**5.3**	**7.7**	**59**
108-10-1	**4-Methyl-2-Pentanone**	**3.7**	**7.7**	**91**	100-42-5	Styrene	4.2	7.7	U
67-64-1	Acetone	35	39	U	**127-18-4**	**Tetrachloroethene**	**2.7**	**7.7**	**73**
71-43-2	**Benzene**	**2.3**	**3.9**	**4.0**	**108-88-3**	**Toluene**	**2.5**	**7.7**	**1300**
74-97-5	Bromochloromethane	6.1	7.7	U	**156-60-5**	**trans-1,2-Dichloroethene**	**2.4**	**7.7**	**5.8J**
75-27-4	Bromodichloromethane	2.7	7.7	U	10061-02-6	trans-1,3-Dichloropropene	2.4	7.7	U
75-25-2	Bromoform	4.2	7.7	U	**79-01-6**	**Trichloroethene**	**2.7**	**7.7**	**790**
74-83-9	Bromomethane	3.9	7.7	U	75-69-4	Trichlorofluoromethane	2.4	7.7	U
75-15-0	Carbon Disulfide	3.3	7.7	U	75-01-4	Vinyl Chloride	5.4	7.7	U
1330-20-7	**Xylenes (Total)**	**5.3**	**7.7**	**310**					

Worksheet #: 593339

Total Target Concentration 3800

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

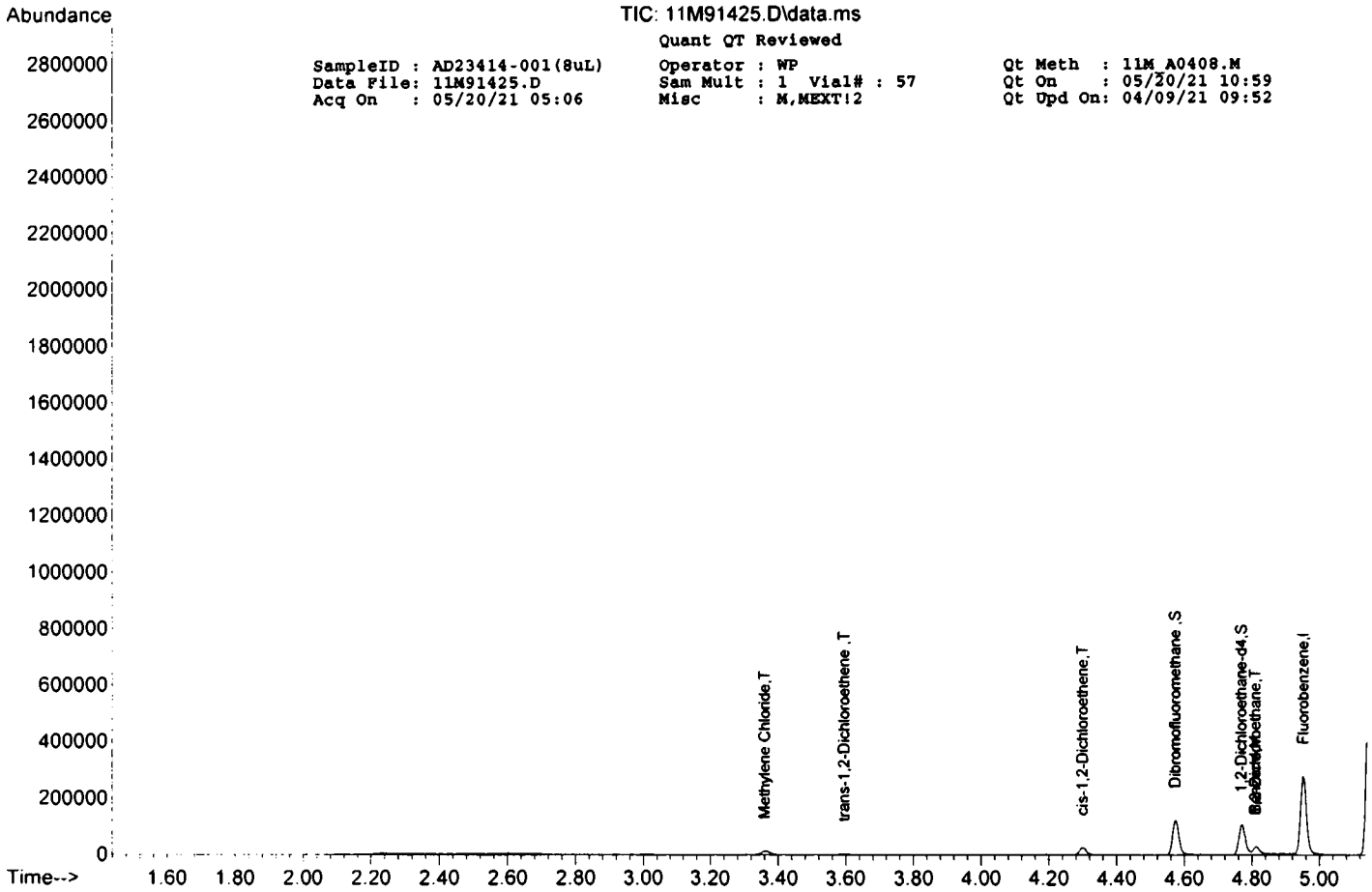
Quantitation Report (QT Reviewed)

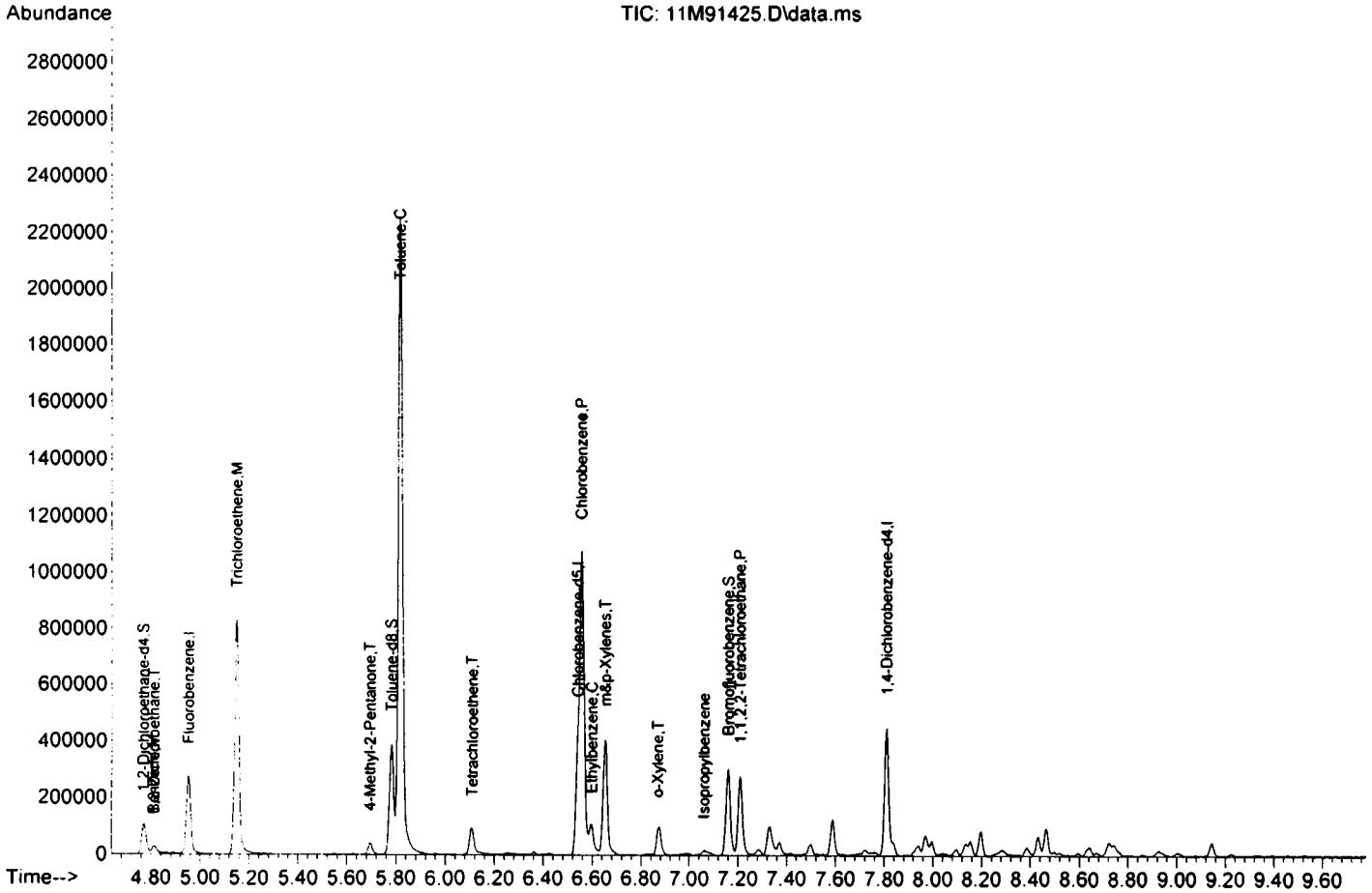
SampleID : AD23414-001(8uL) Operator : WP Qt Meth : 11M_A0408.M
Data File: 11M91425.D Sam Mult : 1 Vial# : 57 Qt On : 05/20/21 10:59
Acq On : 05/20/21 05:06 Misc : M,MEXT!2 Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-19-21\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.951	96	173577	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	161209	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.810	152	88872	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.572	111	46968	28.02	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.40%			
39) 1,2-Dichloroethane-d4	4.768	67	24712	33.31	ug/l	0.00
Spiked Amount 30.000			Recovery = 111.03%			
66) Toluene-d8	5.781	98	188643	29.22	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.40%			
76) Bromofluorobenzene	7.160	174	68167	29.38	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.93%			
Target Compounds						Qvalue
15) Methylene Chloride	3.360	84	6209	4.6378	ug/l	79
28) trans-1,2-Dichloroethene	3.595	96	1090	0.7492	ug/l	88
30) cis-1,2-Dichloroethene	4.299	61	8282	3.9684	ug/l	99
40) 1,2-Dichloroethane	4.810	62	8607	4.2211	ug/l	95
49) Trichloroethene	5.151	130	183848	103.0206	ug/l	97
50) Benzene	4.810	78	2946m	0.5217	ug/l	
63) 4-Methyl-2-Pentanone	5.694	43	15917	11.8634	ug/l	92
65) Tetrachloroethene	6.109	164	14703	9.4520	ug/l	89
67) Toluene	5.816	92	674664	171.9393	ug/l	100
69) Chlorobenzene	6.556	112	418069	92.1920	ug/l	100
74) Ethylbenzene	6.598	106	14280	6.6919	ug/l	74
75) 1,1,2,2-Tetrachloroethane	7.209	83	94296	44.9217	ug/l	95
78) m&p-Xylenes	6.652	106	89406	32.5434	ug/l	92
79) o-Xylene	6.868	106	23027	7.6408	ug/l	71
84) Isopropylbenzene	7.061	105	4893	0.6986	ug/l	88

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


TIC: 11M91425.D\data.ms
Quant QT Reviewed
SampleID : AD23414-001(8uL)
Data File: 11M91425.D
Acq On : 05/20/21 05:06
Operator : WP
Sam Mult : 1 Vial# : 57
Misc : M,MEXT!2
Qt Meth : 11M_A0408.M
Qt On : 05/20/21 10:59
Qt Upd On: 04/09/21 09:52
Abundance
Time-->
Methylene Chloride,T
trans-1,2-Dichloroethene,T
cis-1,2-Dichloroethene,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I


TIC: 11M91425.D\data.ms
Abundance
Time-->
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
Tetrachloroethene,T
Chlorobenzene,P
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Isopropylbenzene
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,P
1,4-Dichlorobenzene-d4,I

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23414-002(80uL)
Client Id: HSI-SB-16 (5')
Data File: 11M91496.D
Analysis Date: 05/21/21 06:38
Date Rec/Extracted: 05/14/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 7.49g:10ml
Final Vol: NA
Dilution: 668
Solids: 86

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.28	0.78	U	56-23-5	Carbon Tetrachloride	0.25	0.78	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**0.35**	**0.78**	**37**	**108-90-7**	**Chlorobenzene**	**0.26**	**0.78**	**61**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.56	0.78	U	75-00-3	Chloroethane	0.45	0.78	U
79-00-5	1,1,2-Trichloroethane	0.25	0.78	U	67-66-3	Chloroform	1.5	1.5	U
75-34-3	1,1-Dichloroethane	0.33	0.78	U	74-87-3	Chloromethane	0.40	0.78	U
75-35-4	1,1-Dichloroethene	0.41	0.78	U	**156-59-2**	**cis-1,2-Dichloroethene**	**0.49**	**0.78**	**4.3**
87-61-6	1,2,3-Trichlorobenzene	0.61	0.78	U	10061-01-5	cis-1,3-Dichloropropene	0.25	0.78	U
120-82-1	1,2,4-Trichlorobenzene	0.56	0.78	U	110-82-7	Cyclohexane	0.38	0.78	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.65	0.78	U	124-48-1	Dibromochloromethane	0.19	0.78	U
106-93-4	1,2-Dibromoethane	0.27	0.78	U	75-71-8	Dichlorodifluoromethane	0.48	0.78	U
95-50-1	1,2-Dichlorobenzene	0.25	0.78	U	**100-41-4**	**Ethylbenzene**	**0.36**	**0.78**	**4.1**
107-06-2	**1,2-Dichloroethane**	**0.50**	**0.50**	**4.9**	**98-82-8**	**Isopropylbenzene**	**0.38**	**0.78**	**0.49J**
78-87-5	1,2-Dichloropropane	0.23	0.78	U	**179601-23-1**	**m&p-Xylenes**	**0.66**	**0.78**	**24**
541-73-1	1,3-Dichlorobenzene	0.29	0.78	U	79-20-9	Methyl Acetate	0.55	0.78	U
106-46-7	1,4-Dichlorobenzene	0.28	0.78	U	108-87-2	Methylcyclohexane	0.48	0.78	U
123-91-1	1,4-Dioxane	31	39	U	**75-09-2**	**Methylene Chloride**	**0.23**	**0.78**	**6.9**
78-93-3	2-Butanone	0.58	0.78	U	1634-04-4	Methyl-t-butyl ether	0.24	0.39	U
591-78-6	2-Hexanone	0.47	0.78	U	**95-47-6**	**o-Xylene**	**0.53**	**0.78**	**5.6**
108-10-1	**4-Methyl-2-Pentanone**	**0.38**	**0.78**	**22**	100-42-5	Styrene	0.42	0.78	U
67-64-1	Acetone	3.6	3.9	U	**127-18-4**	**Tetrachloroethene**	**0.28**	**0.78**	**6.1**
71-43-2	**Benzene**	**0.23**	**0.39**	**0.46**	**108-88-3**	**Toluene**	**0.25**	**0.78**	**120**
74-97-5	Bromochloromethane	0.61	0.78	U	156-60-5	trans-1,2-Dichloroethene	0.24	0.78	U
75-27-4	Bromodichloromethane	0.27	0.78	U	10061-02-6	trans-1,3-Dichloropropene	0.24	0.78	U
75-25-2	Bromoform	0.42	0.78	U	**79-01-6**	**Trichloroethene**	**0.27**	**0.78**	**64**
74-83-9	Bromomethane	0.39	0.78	U	75-69-4	Trichlorofluoromethane	0.24	0.78	U
75-15-0	Carbon Disulfide	0.33	0.78	U	75-01-4	Vinyl Chloride	0.55	0.78	U
1330-20-7	**Xylenes (Total)**	**0.53**	**0.78**	**30**					

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

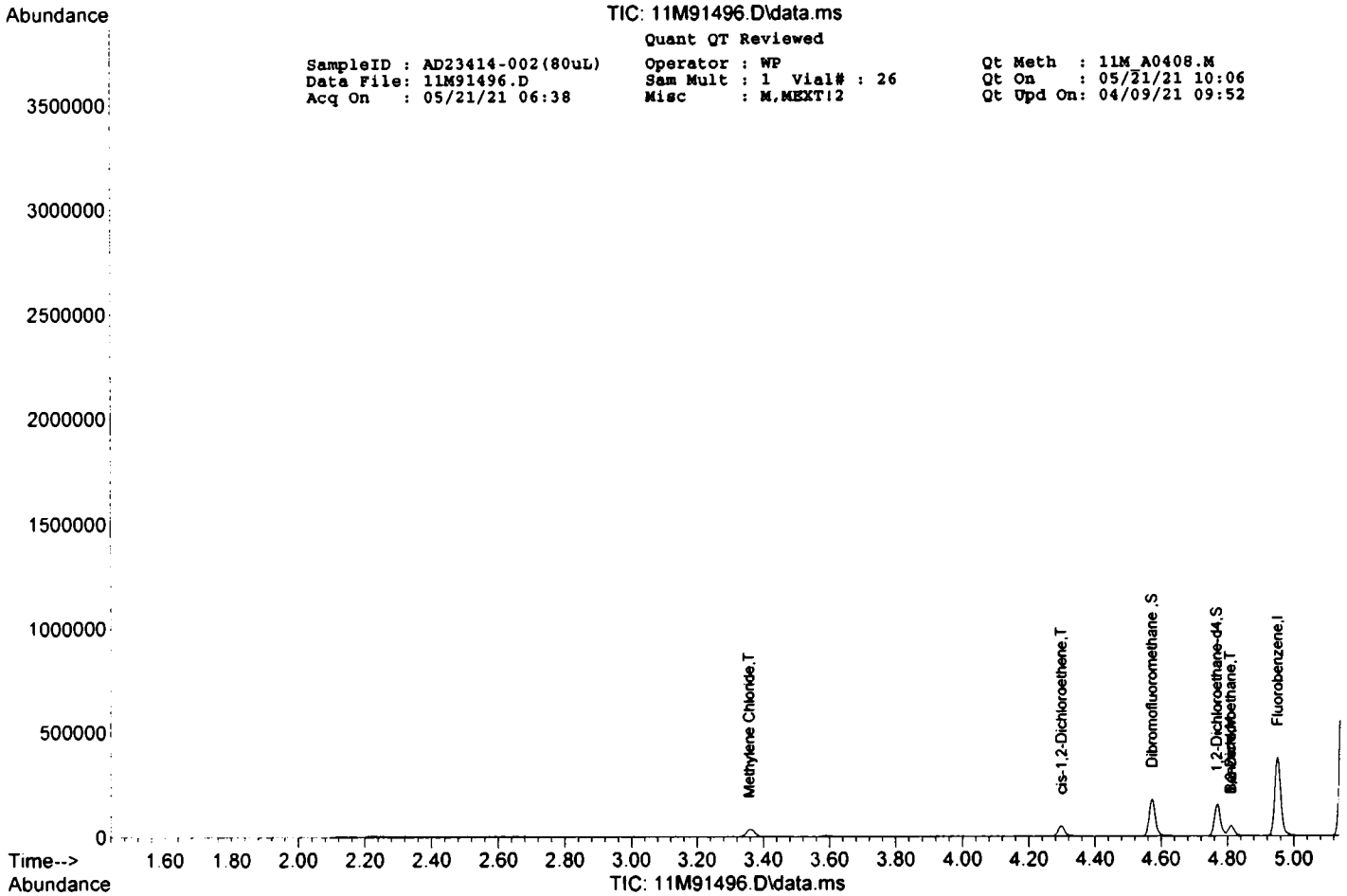
Quantitation Report (QT Reviewed)

SampleID : AD23414-002(80uL) Operator : WP Qt Meth : 11M_A0408.M
Data File: 11M91496.D Sam Mult : 1 Vial# : 26 Qt On : 05/21/21 10:06
Acq On : 05/21/21 06:38 Misc : M,MEXT!2 Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-2021\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.951	96	240409	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	233986	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.810	152	123069	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.572	111	67492	29.07	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.90%			
39) 1,2-Dichloroethane-d4	4.768	67	34236	33.32	ug/l	0.00
Spiked Amount 30.000			Recovery = 111.07%			
66) Toluene-d8	5.778	98	270608	28.88	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.27%			
76) Bromofluorobenzene	7.160	174	100454	31.27	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.23%			
Target Compounds						Qvalue
15) Methylene Chloride	3.357	84	16594	8.9491	ug/l	84
30) cis-1,2-Dichloroethene	4.299	61	16117	5.5758	ug/l	65
40) 1,2-Dichloroethane	4.810	62	17814	6.3078	ug/l	96
49) Trichloroethene	5.148	130	204542	82.7540	ug/l	98
50) Benzene	4.810	78	4605	0.5888	ug/l	100
63) 4-Methyl-2-Pentanone	5.694	43	56175	28.8464	ug/l	92
65) Tetrachloroethene	6.106	164	17668	7.8253	ug/l	95
67) Toluene	5.816	92	879639	154.4513	ug/l	96
69) Chlorobenzene	6.556	112	520438	79.0703	ug/l	100
74) Ethylbenzene	6.594	106	15725	5.3214	ug/l	92
75) 1,1,2,2-Tetrachloroethane	7.209	83	139460	47.9765	ug/l	98
78) m&p-Xylenes	6.652	106	115779	30.4329	ug/l	95
79) o-Xylene	6.874	106	30066	7.2043	ug/l	79
84) Isopropylbenzene	7.061	105	6078	0.6267	ug/l	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed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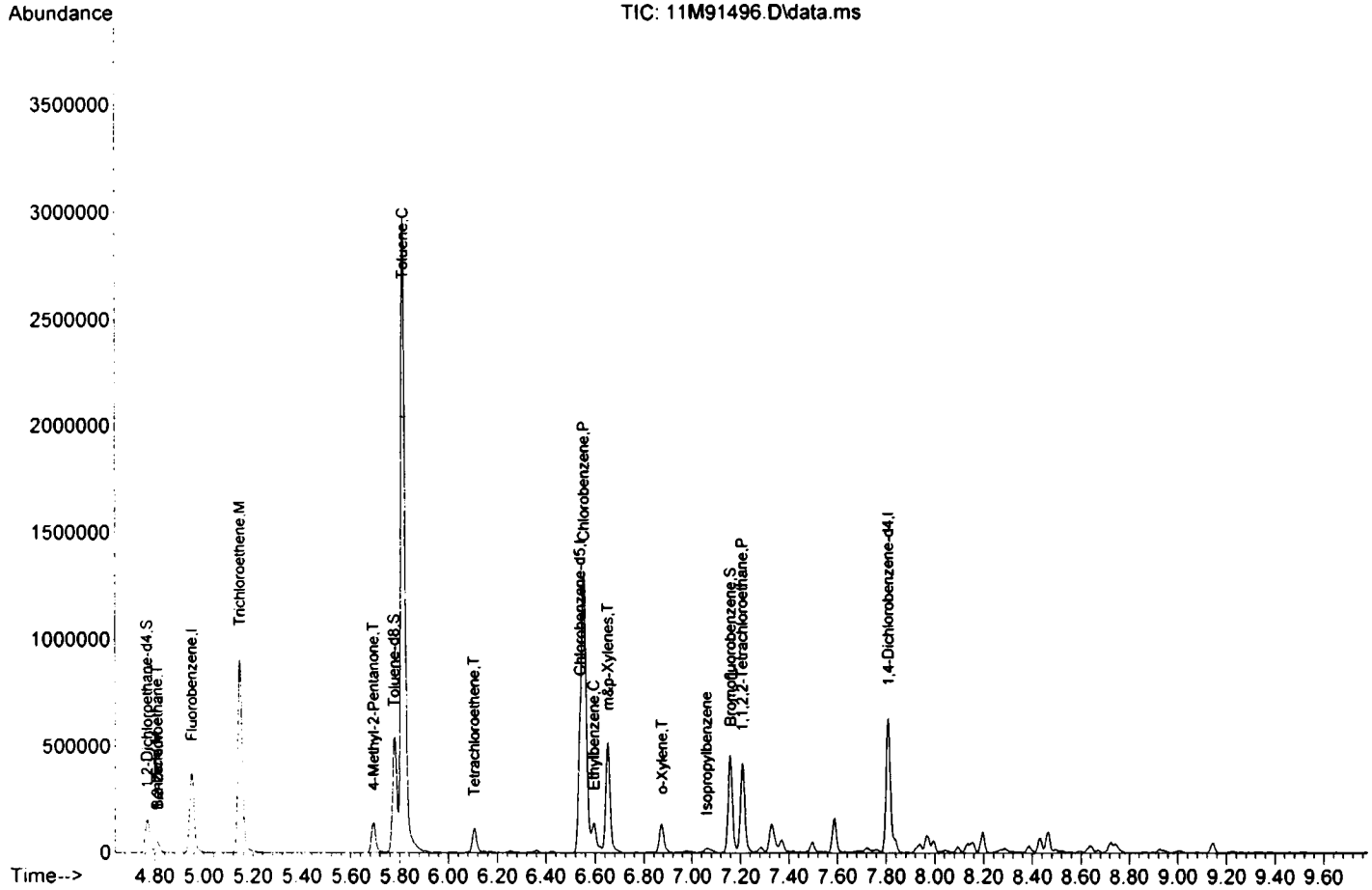
Quant QT Reviewed
SampleID : AD23414-002(80uL)
Data File: 11M91496.D
Acq On : 05/21/21 06:38
Operator : WP
Sam Mult : 1 Vial# : 26
Misc : M,MEXT!2
Qt Meth : 11M_A0408.M
Qt On : 05/21/21 10:06
Qt Upd On: 04/09/21 09:52
Methylene Chloride,T
cis-1,2-Dichloroethene,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Time-->


Abundance
TIC: 11M91496.D\data.ms
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
Tetrachloroethene,T
Chlorobenzene-d5,I
Chlorobenzene,P
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Isopropylbenzene
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,P
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23414-003(400uL)
Client Id: HSI-SB-16 (6')
Data File: 11M91497.D
Analysis Date: 05/21/21 06:59
Date Rec/Extracted: 05/14/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 7.05g:10ml
Final Vol: NA
Dilution: 142
Solids: 83

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.061	0.17	U	56-23-5	Carbon Tetrachloride	0.055	0.17	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**0.077**	**0.17**	**8.1**	**108-90-7**	**Chlorobenzene**	**0.056**	**0.17**	**27**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.12	0.17	U	75-00-3	Chloroethane	0.099	0.17	U
79-00-5	1,1,2-Trichloroethane	0.055	0.17	U	67-66-3	Chloroform	0.34	0.34	U
75-34-3	1,1-Dichloroethane	0.073	0.17	U	74-87-3	Chloromethane	0.088	0.17	U
75-35-4	1,1-Dichloroethene	0.091	0.17	U	**156-59-2**	**cis-1,2-Dichloroethene**	**0.11**	**0.17**	**5.2**
87-61-6	1,2,3-Trichlorobenzene	0.13	0.17	U	10061-01-5	cis-1,3-Dichloropropene	0.055	0.17	U
120-82-1	1,2,4-Trichlorobenzene	0.12	0.17	U	110-82-7	Cyclohexane	0.083	0.17	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.14	0.17	U	124-48-1	Dibromochloromethane	0.041	0.17	U
106-93-4	1,2-Dibromoethane	0.059	0.17	U	75-71-8	Dichlorodifluoromethane	0.11	0.17	U
95-50-1	1,2-Dichlorobenzene	0.055	0.17	U	**100-41-4**	**Ethylbenzene**	**0.080**	**0.17**	**1.5**
107-06-2	**1,2-Dichloroethane**	**0.11**	**0.11**	**1.4**	**98-82-8**	**Isopropylbenzene**	**0.084**	**0.17**	**0.25**
78-87-5	1,2-Dichloropropane	0.051	0.17	U	**179601-23-1**	**m&p-Xylenes**	**0.15**	**0.17**	**9.6**
541-73-1	1,3-Dichlorobenzene	0.064	0.17	U	79-20-9	Methyl Acetate	0.12	0.17	U
106-46-7	1,4-Dichlorobenzene	0.062	0.17	U	**108-87-2**	**Methylcyclohexane**	**0.10**	**0.17**	**0.17J**
123-91-1	1,4-Dioxane	6.7	8.5	U	**75-09-2**	**Methylene Chloride**	**0.050**	**0.17**	**0.51**
78-93-3	2-Butanone	0.13	0.17	U	1634-04-4	Methyl-t-butyl ether	0.053	0.085	U
591-78-6	2-Hexanone	0.10	0.17	U	**95-47-6**	**o-Xylene**	**0.12**	**0.17**	**2.1**
108-10-1	**4-Methyl-2-Pentanone**	**0.083**	**0.17**	**2.6**	100-42-5	Styrene	0.093	0.17	U
67-64-1	Acetone	0.78	0.85	U	**127-18-4**	**Tetrachloroethene**	**0.061**	**0.17**	**3.1**
71-43-2	**Benzene**	**0.051**	**0.085**	**0.19**	**108-88-3**	**Toluene**	**0.056**	**0.17**	**39**
74-97-5	Bromochloromethane	0.13	0.17	U	**156-60-5**	**trans-1,2-Dichloroethene**	**0.053**	**0.17**	**0.46**
75-27-4	Bromodichloromethane	0.059	0.17	U	10061-02-6	trans-1,3-Dichloropropene	0.052	0.17	U
75-25-2	Bromoform	0.092	0.17	U	**79-01-6**	**Trichloroethene**	**0.059**	**0.17**	**20**
74-83-9	Bromomethane	0.086	0.17	U	75-69-4	Trichlorofluoromethane	0.052	0.17	U
75-15-0	Carbon Disulfide	0.072	0.17	U	75-01-4	Vinyl Chloride	0.12	0.17	U
1330-20-7	**Xylenes (Total)**	**0.12**	**0.17**	**12**					

ColumnID: (^) Indicates results from 2nd column

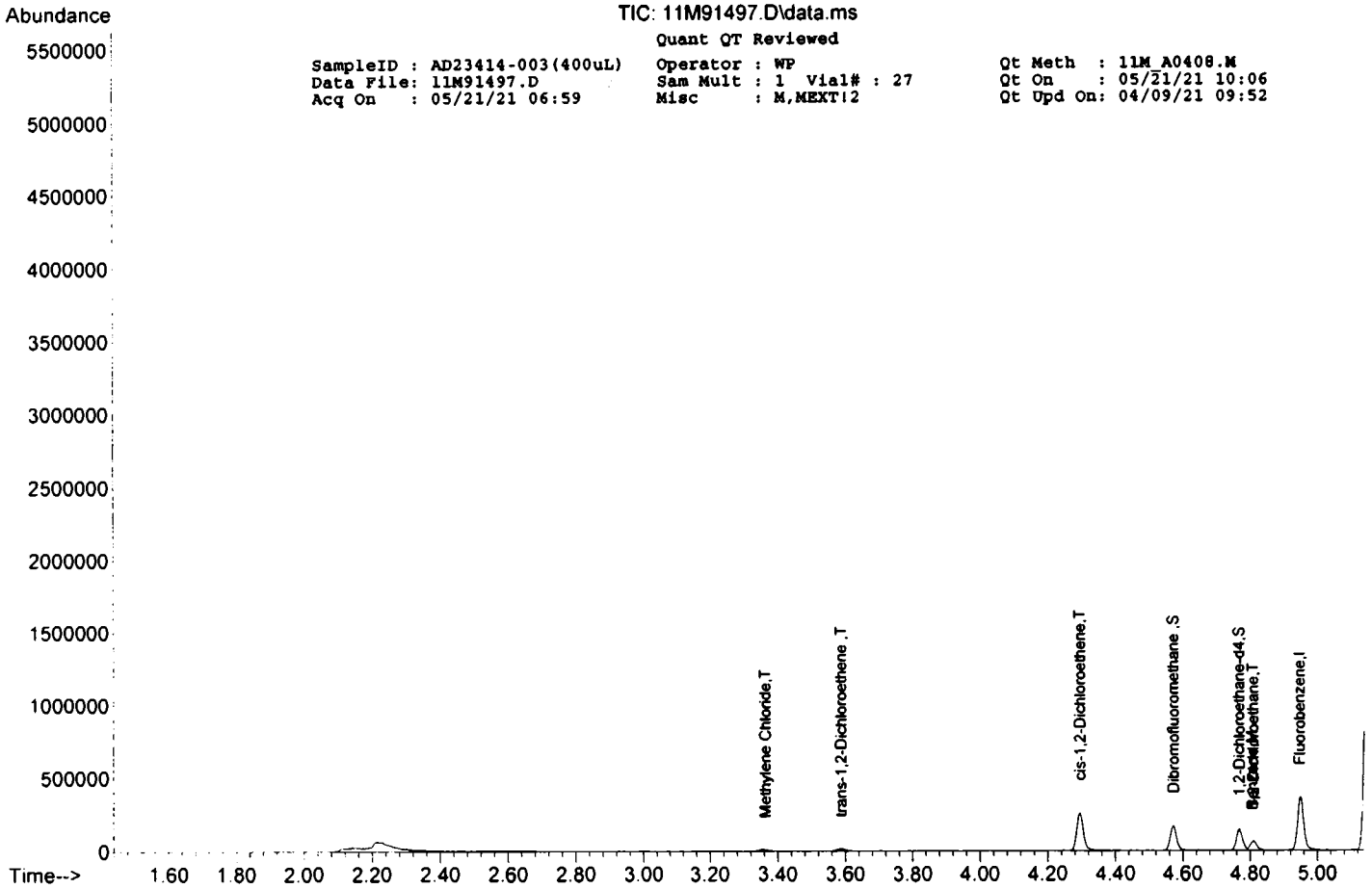
U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

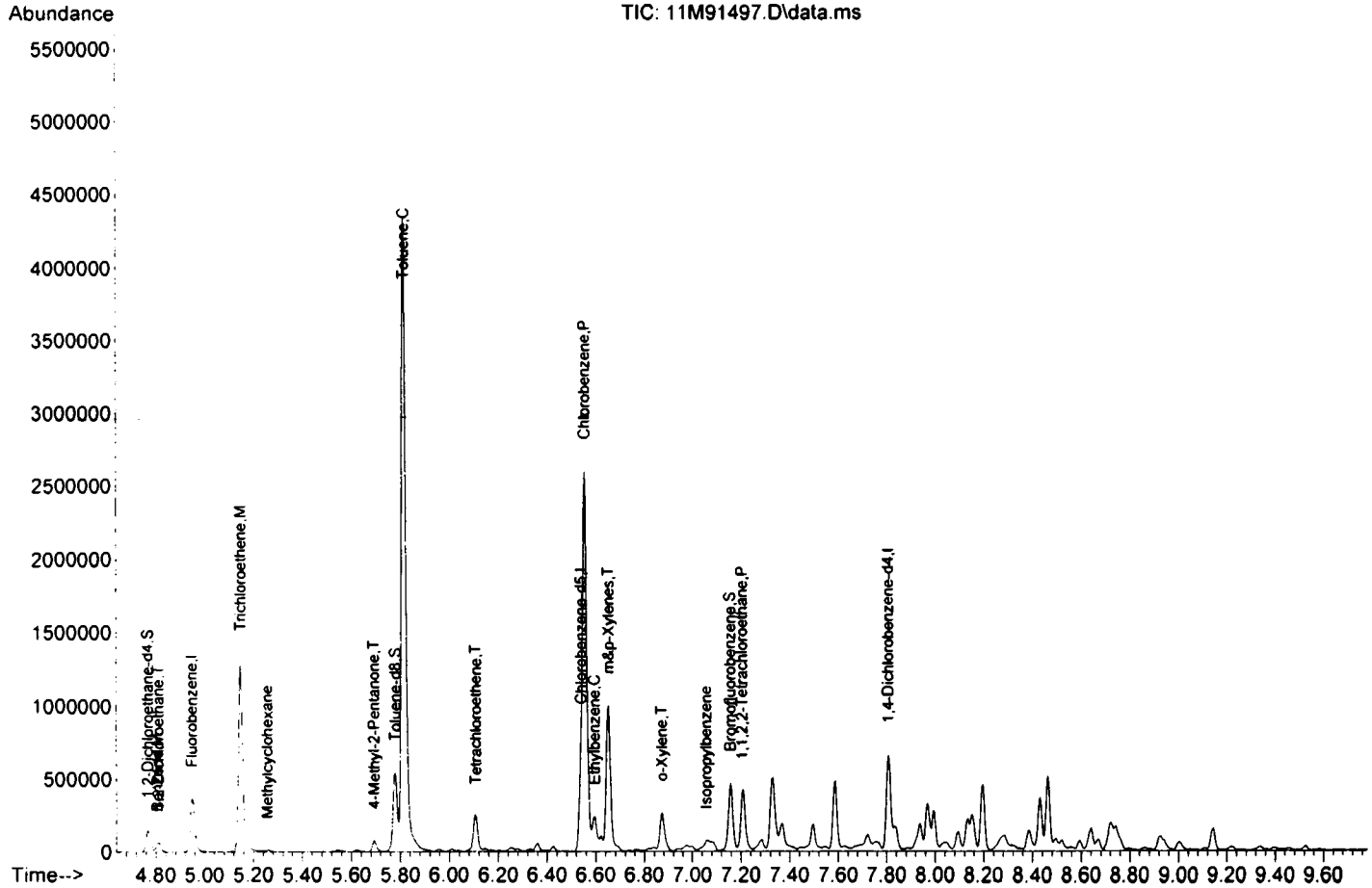
SampleID : AD23414-003(400uL) Operator : WP Qt Meth : 11M_A0408.M
Data File: 11M91497.D Sam Mult : 1 Vial# : 27 Qt On : 05/21/21 10:06
Acq On : 05/21/21 06:59 Misc : M,MEXT!2 Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-2021\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.948	96	236417	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	230762	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.806	152	128678	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.572	111	64105	28.08	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.60%			
39) 1,2-Dichloroethane-d4	4.768	67	31981	31.65	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.50%			
66) Toluene-d8	5.781	98	258584	27.98	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.27%			
76) Bromofluorobenzene	7.157	174	100874	30.03	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.10%			
Target Compounds						Qvalue
15) Methylene Chloride	3.363	84	5456	2.9921	ug/l	70
28) trans-1,2-Dichloroethene	3.588	96	5344	2.6968	ug/l	78
30) cis-1,2-Dichloroethene	4.295	61	86511	30.4343	ug/l	80
40) 1,2-Dichloroethane	4.810	62	23145	8.3338	ug/l	97
46) Methylcyclohexane	5.257	83	2354	0.9768	ug/l	64
49) Trichloroethene	5.147	130	282878	116.3799	ug/l	95
50) Benzene	4.807	78	8626	1.1215	ug/l	100
63) 4-Methyl-2-Pentanone	5.694	43	29635	15.4305	ug/l	100
65) Tetrachloroethene	6.109	164	40712	18.2837	ug/l	92
67) Toluene	5.816	92	1294186	230.4142	ug/l	95
69) Chlorobenzene	6.556	112	1031219	158.8624	ug/l	97
74) Ethylbenzene	6.594	106	27352	8.8526	ug/l	95
75) 1,1,2,2-Tetrachloroethane	7.205	83	143296	47.1474	ug/l	97
78) m&p-Xylenes	6.652	106	224393	56.4114	ug/l	93
79) o-Xylene	6.871	106	54220	12.4257	ug/l	96
84) Isopropylbenzene	7.057	105	14747	1.4542	ug/l	91

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


Abundance
TIC: 11M91497.D\data.ms
Quant QT Reviewed
SampleID : AD23414-003(400uL)
Data File: 11M91497.D
Acq On : 05/21/21 06:59
Operator : WP
Sam Mult : 1 Vial# : 27
Misc : M,MEXT!2
Qt Meth : 11M_A0408.M
Qt On : 05/21/21 10:06
Qt Upd On: 04/09/21 09:52
Methylene Chloride,T
trans-1,2-Dichloroethene ,T
cis-1,2-Dichloroethene,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Time-->


Abundance
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Fluorobenzene,I
Trichloroethene,M
Methylcyclohexane
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
Tetrachloroethene,T
Chlorobenzene,P
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Isopropylbenzene
1,1,2,2-Tetrachloroethane,P
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23414-004
Client Id: HSI-SB-16 (8.5')
Data File: 11M91423.D
Analysis Date: 05/20/21 04:23
Date Rec/Extracted: 05/14/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 7.18g:10ml
Final Vol: NA
Dilution: 69.6
Solids: 84

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.030	0.083	U	56-23-5	Carbon Tetrachloride	0.027	0.083	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**0.037**	**0.083**	**2.4**	**108-90-7**	**Chlorobenzene**	**0.027**	**0.083**	**5.8**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.060	0.083	U	75-00-3	Chloroethane	0.048	0.083	U
79-00-5	1,1,2-Trichloroethane	0.026	0.083	U	67-66-3	Chloroform	0.16	0.16	U
75-34-3	1,1-Dichloroethane	0.035	0.083	U	74-87-3	Chloromethane	0.043	0.083	U
75-35-4	1,1-Dichloroethene	0.044	0.083	U	**156-59-2**	**cis-1,2-Dichloroethene**	**0.053**	**0.083**	**2.4**
87-61-6	1,2,3-Trichlorobenzene	0.065	0.083	U	10061-01-5	cis-1,3-Dichloropropene	0.027	0.083	U
120-82-1	1,2,4-Trichlorobenzene	0.060	0.083	U	110-82-7	Cyclohexane	0.040	0.083	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.069	0.083	U	124-48-1	Dibromochloromethane	0.020	0.083	U
106-93-4	1,2-Dibromoethane	0.028	0.083	U	75-71-8	Dichlorodifluoromethane	0.051	0.083	U
95-50-1	1,2-Dichlorobenzene	0.027	0.083	U	**100-41-4**	**Ethylbenzene**	**0.039**	**0.083**	**0.35**
107-06-2	**1,2-Dichloroethane**	**0.053**	**0.053**	**0.54**	**98-82-8**	**Isopropylbenzene**	**0.041**	**0.083**	**0.049J**
78-87-5	1,2-Dichloropropane	0.025	0.083	U	**179601-23-1**	**m&p-Xylenes**	**0.070**	**0.083**	**1.9**
541-73-1	1,3-Dichlorobenzene	0.031	0.083	U	79-20-9	Methyl Acetate	0.058	0.083	U
106-46-7	1,4-Dichlorobenzene	0.030	0.083	U	108-87-2	Methylcyclohexane	0.051	0.083	U
123-91-1	1,4-Dioxane	3.3	4.1	U	**75-09-2**	**Methylene Chloride**	**0.024**	**0.083**	**0.33**
78-93-3	2-Butanone	0.062	0.083	U	1634-04-4	Methyl-t-butyl ether	0.026	0.041	U
591-78-6	2-Hexanone	0.050	0.083	U	**95-47-6**	**o-Xylene**	**0.057**	**0.083**	**0.48**
108-10-1	**4-Methyl-2-Pentanone**	**0.040**	**0.083**	**1.4**	100-42-5	Styrene	0.045	0.083	U
67-64-1	Acetone	0.38	0.41	U	**127-18-4**	**Tetrachloroethene**	**0.030**	**0.083**	**0.64**
71-43-2	**Benzene**	**0.025**	**0.041**	**0.076**	**108-88-3**	**Toluene**	**0.027**	**0.083**	**9.2**
74-97-5	Bromochloromethane	0.065	0.083	U	**156-60-5**	**trans-1,2-Dichloroethene**	**0.026**	**0.083**	**0.16**
75-27-4	Bromodichloromethane	0.029	0.083	U	10061-02-6	trans-1,3-Dichloropropene	0.025	0.083	U
75-25-2	Bromoform	0.045	0.083	U	**79-01-6**	**Trichloroethene**	**0.029**	**0.083**	**4.9**
74-83-9	Bromomethane	0.042	0.083	U	75-69-4	Trichlorofluoromethane	0.025	0.083	U
75-15-0	Carbon Disulfide	0.035	0.083	U	**75-01-4**	**Vinyl Chloride**	**0.059**	**0.083**	**0.14**
1330-20-7	**Xylenes (Total)**	**0.057**	**0.083**	**2.4**					

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

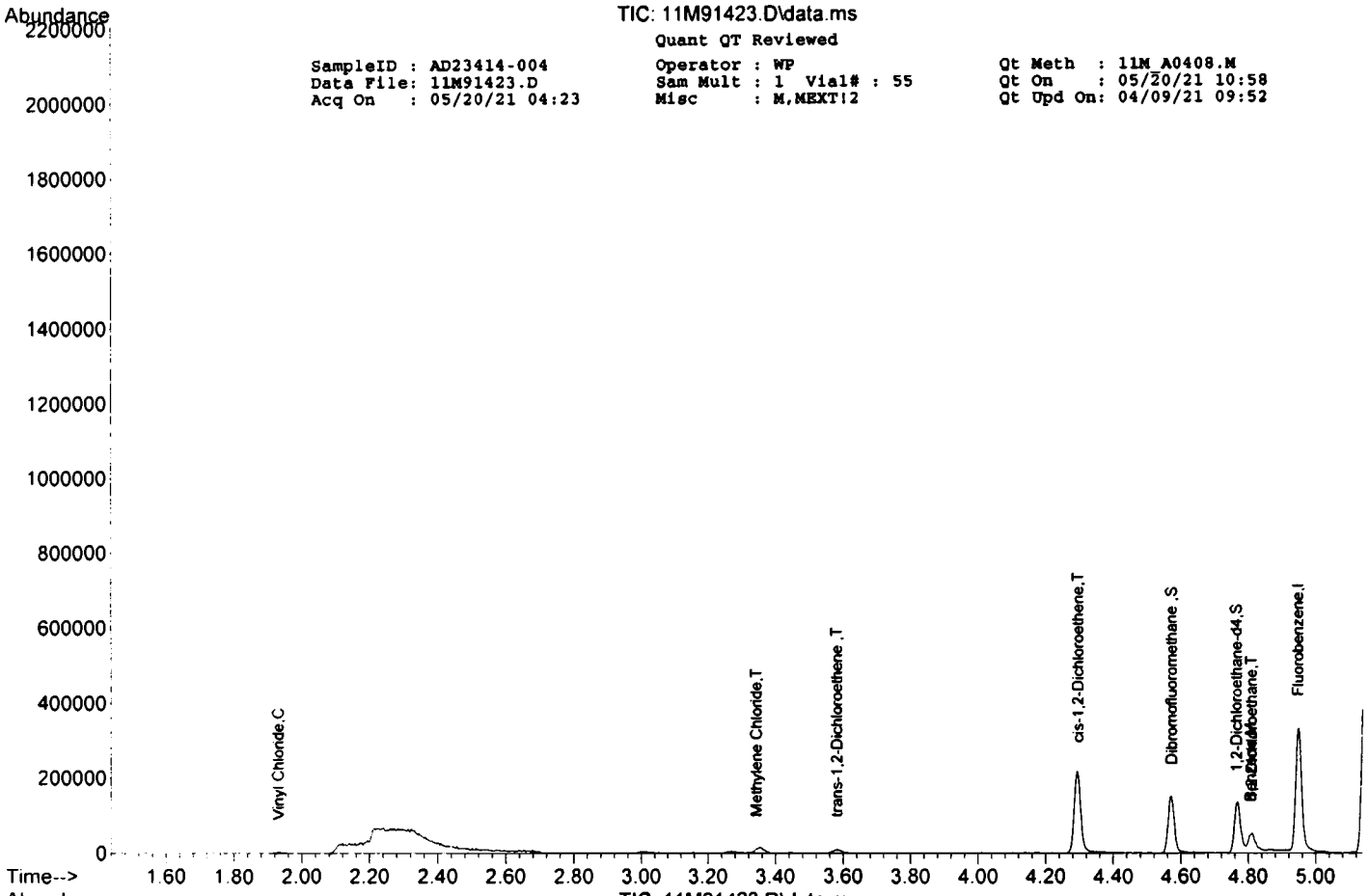
Quantitation Report (QT Reviewed)

SampleID : AD23414-004 Operator : WP Qt Meth : 11M_A0408.M
Data File: 11M91423.D Sam Mult : 1 Vial# : 55 Qt On : 05/20/21 10:58
Acq On : 05/20/21 04:23 Misc : M,MEXT!2 Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-19-21\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.948	96	204001	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.543	117	191467	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.810	152	107682	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.572	111	55973	28.41	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.70%			
39) 1,2-Dichloroethane-d4	4.765	67	29143	33.43	ug/l	0.00
Spiked Amount 30.000			Recovery = 111.43%			
66) Toluene-d8	5.781	98	225624	29.43	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.10%			
76) Bromofluorobenzene	7.160	174	83541	29.72	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.07%			
Target Compounds						Qvalue
9) Vinyl Chloride	1.931	62	2934	1.6900	ug/l	80
15) Methylene Chloride	3.344	84	6244m	3.9683	ug/l	
28) trans-1,2-Dichloroethene	3.582	96	3200	1.8714	ug/l	91
30) cis-1,2-Dichloroethene	4.295	61	72289	29.4721	ug/l	75
40) 1,2-Dichloroethane	4.810	62	15693	6.5485	ug/l	99
49) Trichloroethene	5.148	130	125186	59.6872	ug/l	98
50) Benzene	4.807	78	6049	0.9114	ug/l	100
63) 4-Methyl-2-Pentanone	5.697	43	26877	16.8665	ug/l	89
65) Tetrachloroethene	6.106	164	14321	7.7515	ug/l	94
67) Toluene	5.816	92	514981	110.5030	ug/l	93
69) Chlorobenzene	6.559	112	375516	69.7219	ug/l	100
74) Ethylbenzene	6.594	106	11068	4.2807	ug/l	79
75) 1,1,2,2-Tetrachloroethane	7.209	83	73004	28.7033	ug/l	97
78) m&p-Xylenes	6.652	106	77369	23.2426	ug/l	96
79) o-Xylene	6.871	106	20972	5.7433	ug/l	95
84) Isopropylbenzene	7.067	105	5034	0.5932	ug/l	85

(#) = qualifier out of range (m) = manual integration (+) = signals summed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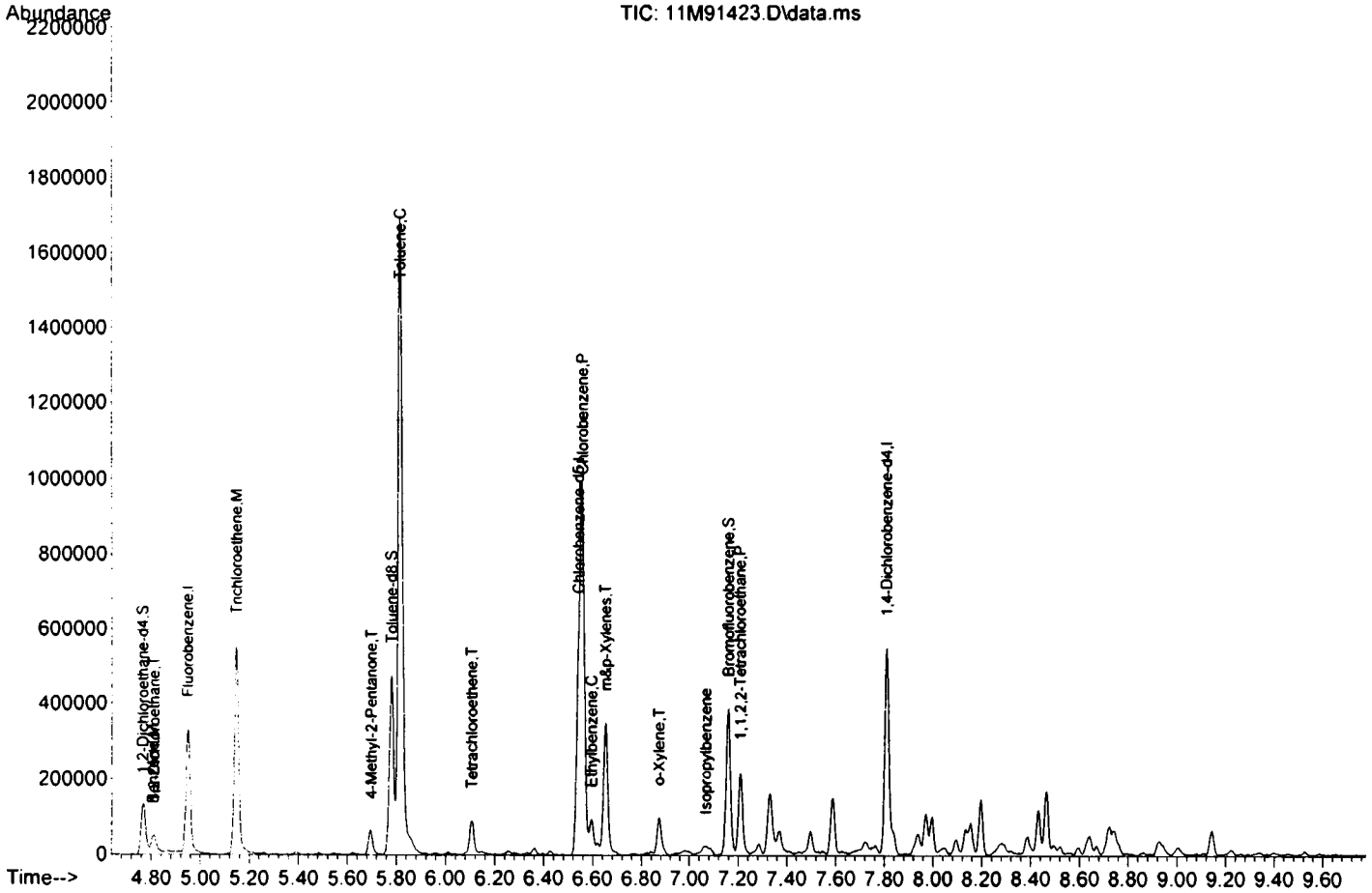
Quant QT Reviewed
SampleID : AD23414-004
Data File: 11M91423.D
Acq On : 05/20/21 04:23
Operator : WP
Sam Mult : 1 Vial# : 55
Misc : M,MEXT!2
Qt Meth : 11M_A0408.M
Qt On : 05/20/21 10:58
Qt Upd On: 04/09/21 09:52
Abundance
Time-->
Vinyl Chloride,C
Methylene Chloride,T
trans-1,2-Dichloroethene ,T
cis-1,2-Dichloroethene,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I


TIC: 11M91423.D\data.ms
Abundance
Time-->
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
Tetrachloroethene,T
Chlorobenzene-d5,I
Chlorobenzene,P
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Isopropylbenzene
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,T
1,4-Dichlorobenzene-d4,I

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23414-005
Client Id: HSI-SB-16 (10')
Data File: 6M140159.D
Analysis Date: 05/19/21 11:00
Date Rec/Extracted: 05/14/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 7.24g
Final Vol: NA
Dilution: 0.691
Solids: 83

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.00077	0.0017	U	56-23-5	Carbon Tetrachloride	0.00081	0.0017	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**0.00037**	**0.0017**	**0.015**	**108-90-7**	**Chlorobenzene**	**0.00052**	**0.0017**	**0.14**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0012	0.0017	U	75-00-3	Chloroethane	0.0016	0.0017	U
79-00-5	**1,1,2-Trichloroethane**	**0.00038**	**0.0017**	**0.0014J**	67-66-3	Chloroform	0.0011	0.0017	U
75-34-3	1,1-Dichloroethane	0.00072	0.0017	U	74-87-3	Chloromethane	0.0010	0.0017	U
75-35-4	1,1-Dichloroethene	0.00096	0.0017	U	**156-59-2**	**cis-1,2-Dichloroethene**	**0.00067**	**0.0017**	**0.34**
87-61-6	1,2,3-Trichlorobenzene	0.00046	0.0017	U	10061-01-5	cis-1,3-Dichloropropene	0.00044	0.0017	U
120-82-1	1,2,4-Trichlorobenzene	0.00052	0.0017	U	110-82-7	Cyclohexane	0.0010	0.0017	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.00046	0.0017	U	124-48-1	Dibromochloromethane	0.00036	0.0017	U
106-93-4	1,2-Dibromoethane	0.00041	0.00042	U	75-71-8	Dichlorodifluoromethane	0.0012	0.0017	U
95-50-1	1,2-Dichlorobenzene	0.00042	0.0017	U	**100-41-4**	**Ethylbenzene**	**0.00057**	**0.00083**	**0.0040**
107-06-2	1,2-Dichloroethane	0.00034	0.0017	U	98-82-8	Isopropylbenzene	0.00069	0.00083	U
78-87-5	1,2-Dichloropropane	0.00068	0.0017	U	**179601-23-1**	**m&p-Xylenes**	**0.0010**	**0.0010**	**0.0068**
541-73-1	1,3-Dichlorobenzene	0.00046	0.0017	U	79-20-9	Methyl Acetate	0.00080	0.0017	U
106-46-7	1,4-Dichlorobenzene	0.00044	0.0017	U	**108-87-2**	**Methylcyclohexane**	**0.00075**	**0.0017**	**0.0017**
123-91-1	1,4-Dioxane	0.040	0.083	U	**75-09-2**	**Methylene Chloride**	**0.00062**	**0.0017**	**0.0065**
78-93-3	2-Butanone	0.0010	0.0017	U	1634-04-4	Methyl-t-butyl ether	0.00045	0.00083	U
591-78-6	2-Hexanone	0.00071	0.0017	U	**95-47-6**	**o-Xylene**	**0.00059**	**0.00083**	**0.0038**
108-10-1	**4-Methyl-2-Pentanone**	**0.00048**	**0.0017**	**0.022**	100-42-5	Styrene	0.00046	0.0017	U
67-64-1	Acetone	0.0056	0.0083	U	**127-18-4**	**Tetrachloroethene**	**0.00082**	**0.0017**	**0.0024**
71-43-2	**Benzene**	**0.00061**	**0.00083**	**0.0096**	**108-88-3**	**Toluene**	**0.00055**	**0.00083**	**0.057**
74-97-5	Bromochloromethane	0.00058	0.0017	U	**156-60-5**	**trans-1,2-Dichloroethene**	**0.0010**	**0.0017**	**0.023**
75-27-4	Bromodichloromethane	0.00039	0.0017	U	10061-02-6	trans-1,3-Dichloropropene	0.00039	0.0017	U
75-25-2	Bromoform	0.00027	0.0017	U	**79-01-6**	**Trichloroethene**	**0.00068**	**0.0017**	**0.040**
74-83-9	Bromomethane	0.0013	0.0017	U	75-69-4	Trichlorofluoromethane	0.00098	0.0017	U
75-15-0	Carbon Disulfide	0.0028	0.0028	U	**75-01-4**	**Vinyl Chloride**	**0.0010**	**0.0017**	**0.048**
1330-20-7	**Xylenes (Total)**	**0.00059**	**0.00083**	**0.011**					

Worksheet #: 593339

Total Target Concentration 0.72

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

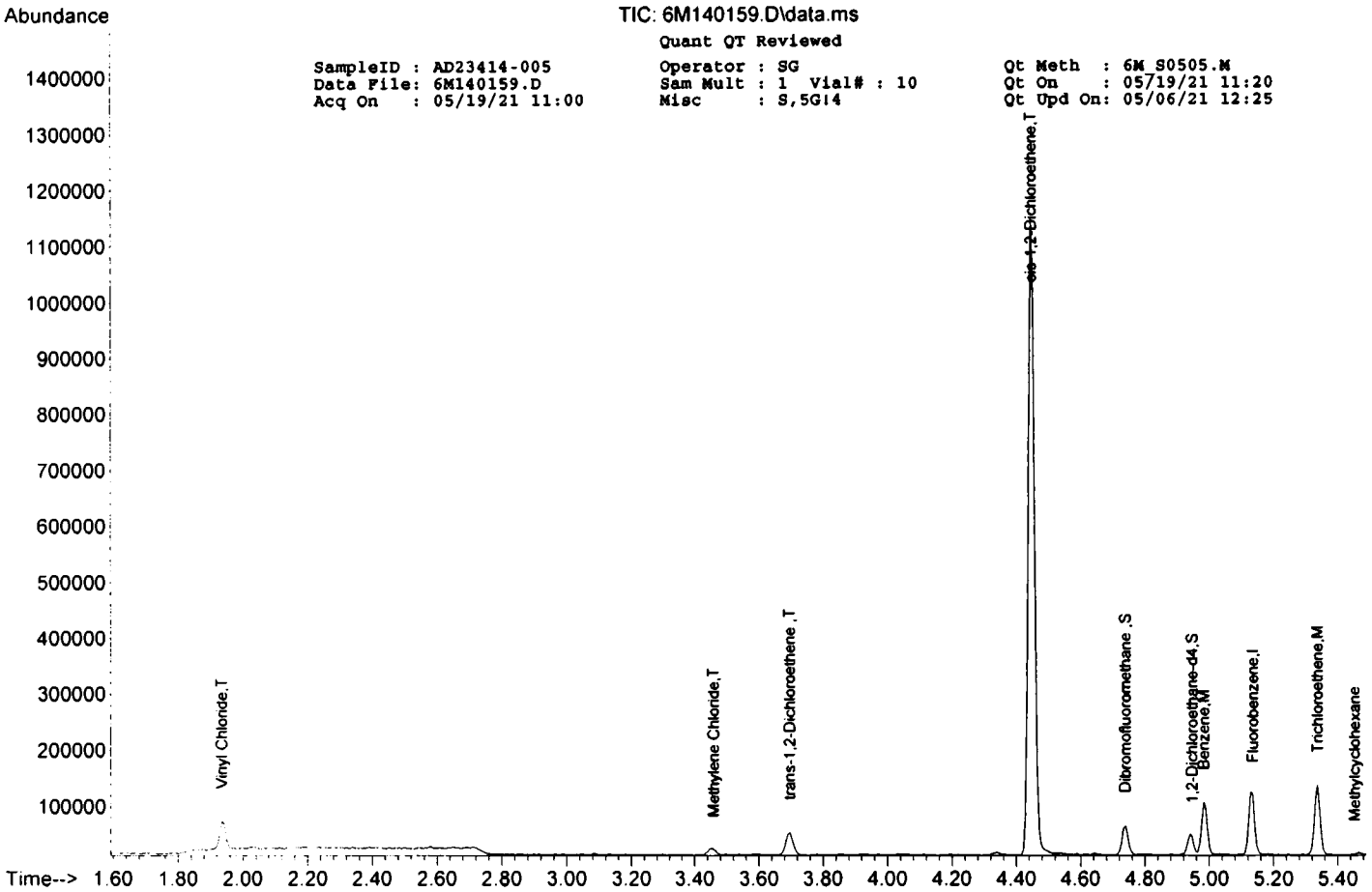
Quantitation Report (QT Reviewed)

SampleID : AD23414-005 Operator : SG Qt Meth : 6M_S0505.M
Data File: 6M140159.D Sam Mult : 1 Vial# : 10 Qt On : 05/19/21 11:20
Acq On : 05/19/21 11:00 Misc : S,5G!4 Qt Upd On: 05/06/21 12:25

Data Path : G:\GcMsData\2021\GCMS_6\Data\05-19-21\
Qt Path : G:\GcMsData\2021\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.135	96	70492	30.00	ug/l	0.01
52) Chlorobenzene-d5	6.763	117	90255	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.049	152	59624	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.739	111	20531	29.26	ug/l	0.01
Spiked Amount 30.000			Recovery = 97.53%			
39) 1,2-Dichloroethane-d4	4.946	67	8505	26.70	ug/l	0.02
Spiked Amount 30.000			Recovery = 89.00%			
66) Toluene-d8	5.989	98	87900	27.83	ug/l	0.00
Spiked Amount 30.000			Recovery = 92.77%			
76) Bromofluorobenzene	7.397	174	44423	28.17	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.90%			
Target Compounds						Qvalue
9) Vinyl Chloride	1.935	62	37595	57.9361	ug/l	97
15) Methylene Chloride	3.459	84	4730	7.7663	ug/l	77
28) trans-1,2-Dichloroethene	3.697	96	14749	27.4893	ug/l	87
30) cis-1,2-Dichloroethene	4.446	61	398809	403.2225	ug/l	94
46) Methylcyclohexane	5.452	83	770	2.0348	ug/l	79
49) Trichloroethene	5.337	130	31201	47.8484	ug/l	86
50) Benzene	4.983	78	25615m	11.5782	ug/l	
60) 1,1,2-Trichloroethane	6.227	97	1290	1.6872	ug/l	71
63) 4-Methyl-2-Pentanone	5.897	43	18468	25.8895	ug/l	87
65) Tetrachloroethene	6.324	164	1819	2.9351	ug/l	77
67) Toluene	6.025	92	115680	68.1933	ug/l	93
69) Chlorobenzene	6.781	112	361443	162.6710	ug/l	98
74) Ethylbenzene	6.818	106	3438	4.7971	ug/l	82
75) 1,1,2,2-Tetrachloroethane	7.446	83	18760	17.7053	ug/l	97
78) m&p-Xylenes	6.879	106	11143	8.1428	ug/l	84
79) o-Xylene	7.098	106	4728	4.5125	ug/l	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed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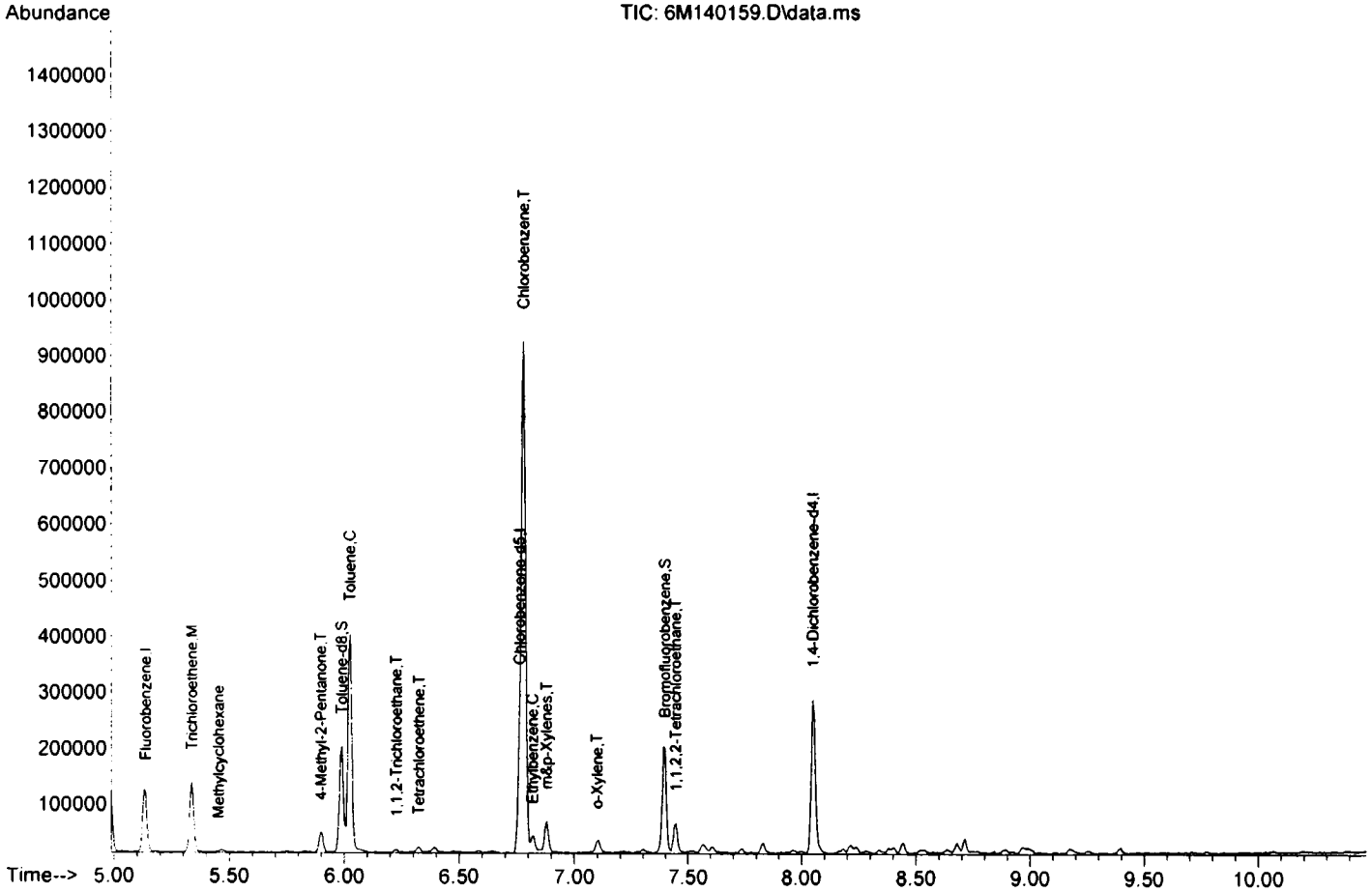
Quant QT Reviewed
SampleID : AD23414-005
Data File: 6M140159.D
Acq On : 05/19/21 11:00
Operator : SG
Sam Mult : 1 Vial# : 10
Misc : S,5G14
Qt Meth : 6M_S0505.M
Qt On : 05/19/21 11:20
Qt Upd On: 05/06/21 12:25
Vinyl Chloride,T
Methylene Chloride,T
trans-1,2-Dichloroethene,T
cis-1,2-Dichloroethene,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Benzene,M
Fluorobenzene,I
Trichloroethene,M
Methylcyclohexane
Time-->


Abundance
TIC: 6M140159.D\data.ms
Fluorobenzene,I
Trichloroethene,M
Methylcyclohexane
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
1,1,2-Trichloroethane,T
Tetrachloroethene,T
Chlorobenzene-d5,I
Chlorobenzene,T
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,T
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23414-006
Client Id: HSI-SB-16 (12.5')
Data File: 11M91453.D
Analysis Date: 05/20/21 15:28
Date Rec/Extracted: 05/14/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 6.89g:10ml
Final Vol: NA
Dilution: 72.6
Solids: 82

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.032	0.088	U	56-23-5	Carbon Tetrachloride	0.029	0.088	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**0.040**	**0.088**	**0.099**	**108-90-7**	**Chlorobenzene**	**0.029**	**0.088**	**0.64**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.064	0.088	U	75-00-3	Chloroethane	0.051	0.088	U
79-00-5	1,1,2-Trichloroethane	0.028	0.088	U	67-66-3	Chloroform	0.17	0.17	U
75-34-3	1,1-Dichloroethane	0.038	0.088	U	74-87-3	Chloromethane	0.046	0.088	U
75-35-4	1,1-Dichloroethene	0.047	0.088	U	**156-59-2**	**cis-1,2-Dichloroethene**	**0.056**	**0.088**	**1.2**
87-61-6	1,2,3-Trichlorobenzene	0.070	0.088	U	10061-01-5	cis-1,3-Dichloropropene	0.028	0.088	U
120-82-1	1,2,4-Trichlorobenzene	0.064	0.088	U	110-82-7	Cyclohexane	0.043	0.088	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.074	0.088	U	124-48-1	Dibromochloromethane	0.021	0.088	U
106-93-4	1,2-Dibromoethane	0.030	0.088	U	75-71-8	Dichlorodifluoromethane	0.055	0.088	U
95-50-1	**1,2-Dichlorobenzene**	**0.029**	**0.088**	**0.035J**	100-41-4	Ethylbenzene	0.041	0.088	U
107-06-2	**1,2-Dichloroethane**	**0.056**	**0.056**	**0.14**	98-82-8	Isopropylbenzene	0.044	0.088	U
78-87-5	1,2-Dichloropropane	0.027	0.088	U	**179601-23-1**	**m&p-Xylenes**	**0.075**	**0.088**	**0.11**
541-73-1	1,3-Dichlorobenzene	0.033	0.088	U	79-20-9	Methyl Acetate	0.062	0.088	U
106-46-7	1,4-Dichlorobenzene	0.032	0.088	U	108-87-2	Methylcyclohexane	0.054	0.088	U
123-91-1	1,4-Dioxane	3.5	4.4	U	**75-09-2**	**Methylene Chloride**	**0.026**	**0.088**	**0.14**
78-93-3	2-Butanone	0.066	0.088	U	1634-04-4	Methyl-t-butyl ether	0.028	0.044	U
591-78-6	2-Hexanone	0.053	0.088	U	95-47-6	o-Xylene	0.060	0.088	U
108-10-1	4-Methyl-2-Pentanone	0.043	0.088	U	100-42-5	Styrene	0.048	0.088	U
67-64-1	Acetone	0.41	0.44	U	127-18-4	Tetrachloroethene	0.032	0.088	U
71-43-2	**Benzene**	**0.026**	**0.044**	**0.034J**	**108-88-3**	**Toluene**	**0.029**	**0.088**	**0.54**
74-97-5	Bromochloromethane	0.070	0.088	U	**156-60-5**	**trans-1,2-Dichloroethene**	**0.027**	**0.088**	**0.096**
75-27-4	Bromodichloromethane	0.031	0.088	U	10061-02-6	trans-1,3-Dichloropropene	0.027	0.088	U
75-25-2	Bromoform	0.048	0.088	U	**79-01-6**	**Trichloroethene**	**0.031**	**0.088**	**0.51**
74-83-9	Bromomethane	0.044	0.088	U	75-69-4	Trichlorofluoromethane	0.027	0.088	U
75-15-0	Carbon Disulfide	0.037	0.088	U	**75-01-4**	**Vinyl Chloride**	**0.063**	**0.088**	**0.094**
1330-20-7	**Xylenes (Total)**	**0.060**	**0.088**	**0.11**					

Worksheet #: 593339

Total Target Concentration 3.6

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

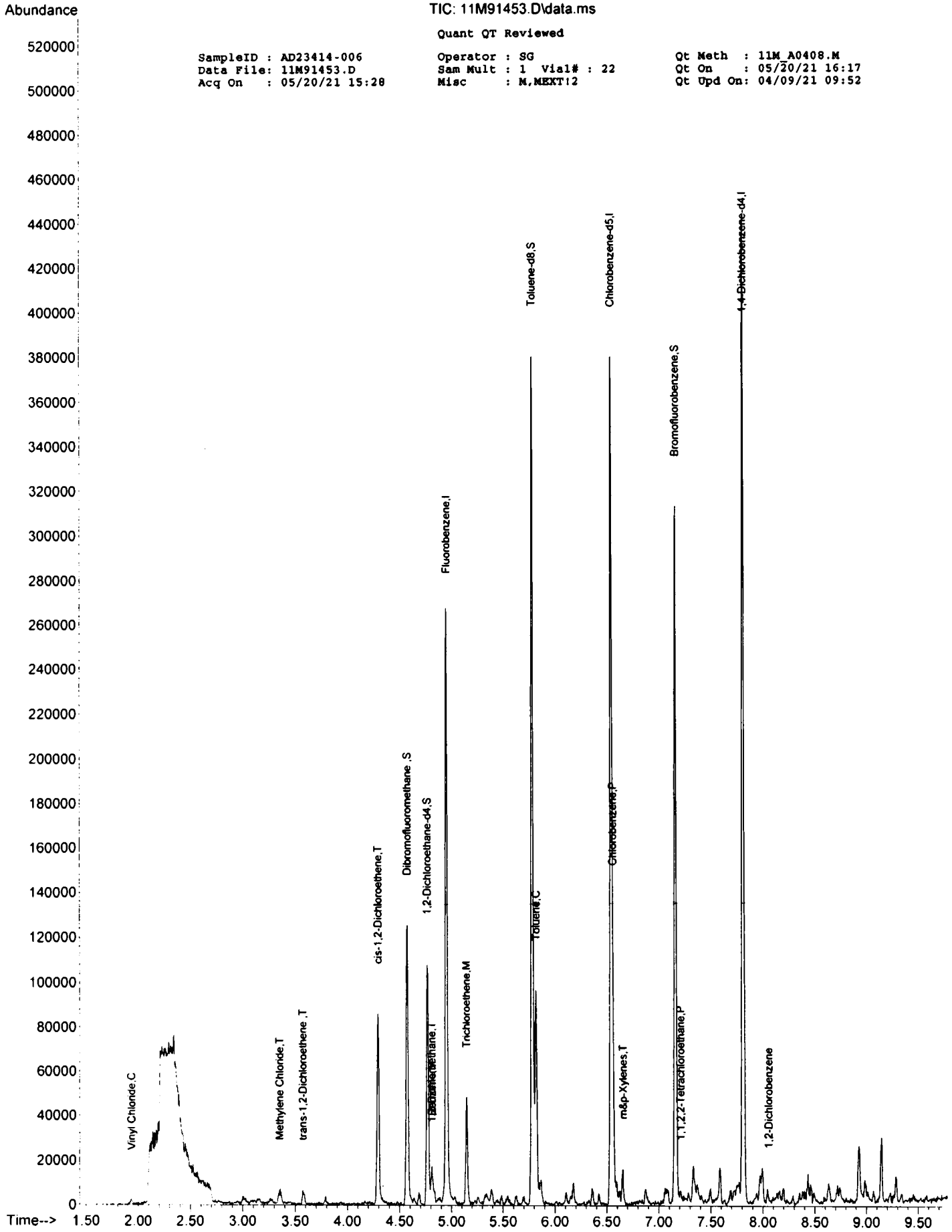
Quantitation Report (QT Reviewed)

SampleID : AD23414-006 Operator : SG Qt Meth : 11M_A0408.M
Data File: 11M91453.D Sam Mult : 1 Vial# : 22 Qt On : 05/20/21 16:17
Acq On : 05/20/21 15:28 Misc : M,MEXT!2 Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-20-21\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.951	96	171207	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	156381	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.810	152	88472	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.572	111	47734	28.87	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.23%			
39) 1,2-Dichloroethane-d4	4.765	67	23775	32.49	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.30%			
66) Toluene-d8	5.781	98	183461	29.30	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.67%			
76) Bromofluorobenzene	7.160	174	66922	28.98	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.60%			
Target Compounds						Qvalue
9) Vinyl Chloride	1.934	62	1546	1.0611	ug/l	96
15) Methylene Chloride	3.350	84	2123	1.6077	ug/l	87
28) trans-1,2-Dichloroethene	3.572	96	1564	1.0899	ug/l	90
30) cis-1,2-Dichloroethene	4.292	61	27724	13.4681	ug/l	82
40) 1,2-Dichloroethane	4.807	62	3163	1.5727	ug/l	77
49) Trichloroethene	5.144	130	10172	5.7789	ug/l	96
50) Benzene	4.810	78	2171	0.3898	ug/l	100
67) Toluene	5.816	92	23435	6.1568	ug/l	91
69) Chlorobenzene	6.556	112	31788	7.2263	ug/l	95
75) 1,1,2,2-Tetrachloroethane	7.208	83	2333	1.1164	ug/l	57
78) m&p-Xylenes	6.655	106	3322	1.2147	ug/l	67
83) 1,2-Dichlorobenzene	8.054	146	1256	0.3955	ug/l	69

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


Abundance
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Quant QT Reviewed
SampleID : AD23414-006
Data File: 11M91453.D
Acq On : 05/20/21 15:28
Operator : SG
Sam Mult : 1 Vial# : 22
Misc : M,MEXT!2
Qt Meth : 11M_A0408.M
Qt On : 05/20/21 16:17
Qt Upd On: 04/09/21 09:52
Vinyl Chloride,C
Methylene Chloride,T
trans-1,2-Dichloroethene,T
cis-1,2-Dichloroethene,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Toluene-d8,S
Toluene,C
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,P
1,4-Dichlorobenzene-d4,I
1,2-Dichlorobenzene
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23414-007
Client Id: HSI-SB-16 (14')
Data File: 11M91328.D
Analysis Date: 05/18/21 18:38
Date Rec/Extracted: 05/14/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 6.59g:10ml
Final Vol: NA
Dilution: 75.9
Solids: 78

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.035	0.097	U	56-23-5	Carbon Tetrachloride	0.031	0.097	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**0.044**	**0.097**	**0.057J**	**108-90-7**	**Chlorobenzene**	**0.032**	**0.097**	**0.44**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.071	0.097	U	75-00-3	Chloroethane	0.056	0.097	U
79-00-5	1,1,2-Trichloroethane	0.031	0.097	U	67-66-3	Chloroform	0.19	0.19	U
75-34-3	1,1-Dichloroethane	0.042	0.097	U	74-87-3	Chloromethane	0.050	0.097	U
75-35-4	1,1-Dichloroethene	0.052	0.097	U	**156-59-2**	**cis-1,2-Dichloroethene**	**0.062**	**0.097**	**0.27**
87-61-6	1,2,3-Trichlorobenzene	0.077	0.097	U	10061-01-5	cis-1,3-Dichloropropene	0.031	0.097	U
120-82-1	1,2,4-Trichlorobenzene	0.071	0.097	U	110-82-7	Cyclohexane	0.047	0.097	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.081	0.097	U	124-48-1	Dibromochloromethane	0.023	0.097	U
106-93-4	1,2-Dibromoethane	0.033	0.097	U	75-71-8	Dichlorodifluoromethane	0.060	0.097	U
95-50-1	1,2-Dichlorobenzene	0.032	0.097	U	100-41-4	Ethylbenzene	0.045	0.097	U
107-06-2	**1,2-Dichloroethane**	**0.062**	**0.062**	**0.093**	98-82-8	Isopropylbenzene	0.048	0.097	U
78-87-5	1,2-Dichloropropane	0.029	0.097	U	179601-23-1	m&p-Xylenes	0.083	0.097	U
541-73-1	1,3-Dichlorobenzene	0.037	0.097	U	79-20-9	Methyl Acetate	0.068	0.097	U
106-46-7	1,4-Dichlorobenzene	0.036	0.097	U	108-87-2	Methylcyclohexane	0.060	0.097	U
123-91-1	1,4-Dioxane	3.8	4.9	U	**75-09-2**	**Methylene Chloride**	**0.029**	**0.097**	**0.19**
78-93-3	2-Butanone	0.073	0.097	U	1634-04-4	Methyl-t-butyl ether	0.030	0.049	U
591-78-6	2-Hexanone	0.058	0.097	U	95-47-6	o-Xylene	0.066	0.097	U
108-10-1	4-Methyl-2-Pentanone	0.047	0.097	U	100-42-5	Styrene	0.053	0.097	U
67-64-1	Acetone	0.45	0.49	U	127-18-4	Tetrachloroethene	0.035	0.097	U
71-43-2	Benzene	0.029	0.049	U	**108-88-3**	**Toluene**	**0.032**	**0.097**	**0.53**
74-97-5	Bromochloromethane	0.076	0.097	U	**156-60-5**	**trans-1,2-Dichloroethene**	**0.030**	**0.097**	**0.045J**
75-27-4	Bromodichloromethane	0.034	0.097	U	10061-02-6	trans-1,3-Dichloropropene	0.030	0.097	U
75-25-2	Bromoform	0.053	0.097	U	**79-01-6**	**Trichloroethene**	**0.034**	**0.097**	**0.41**
74-83-9	Bromomethane	0.049	0.097	U	75-69-4	Trichlorofluoromethane	0.030	0.097	U
75-15-0	Carbon Disulfide	0.041	0.097	U	75-01-4	Vinyl Chloride	0.069	0.097	U
1330-20-7	Xylenes (Total)	0.066	0.097	U					

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

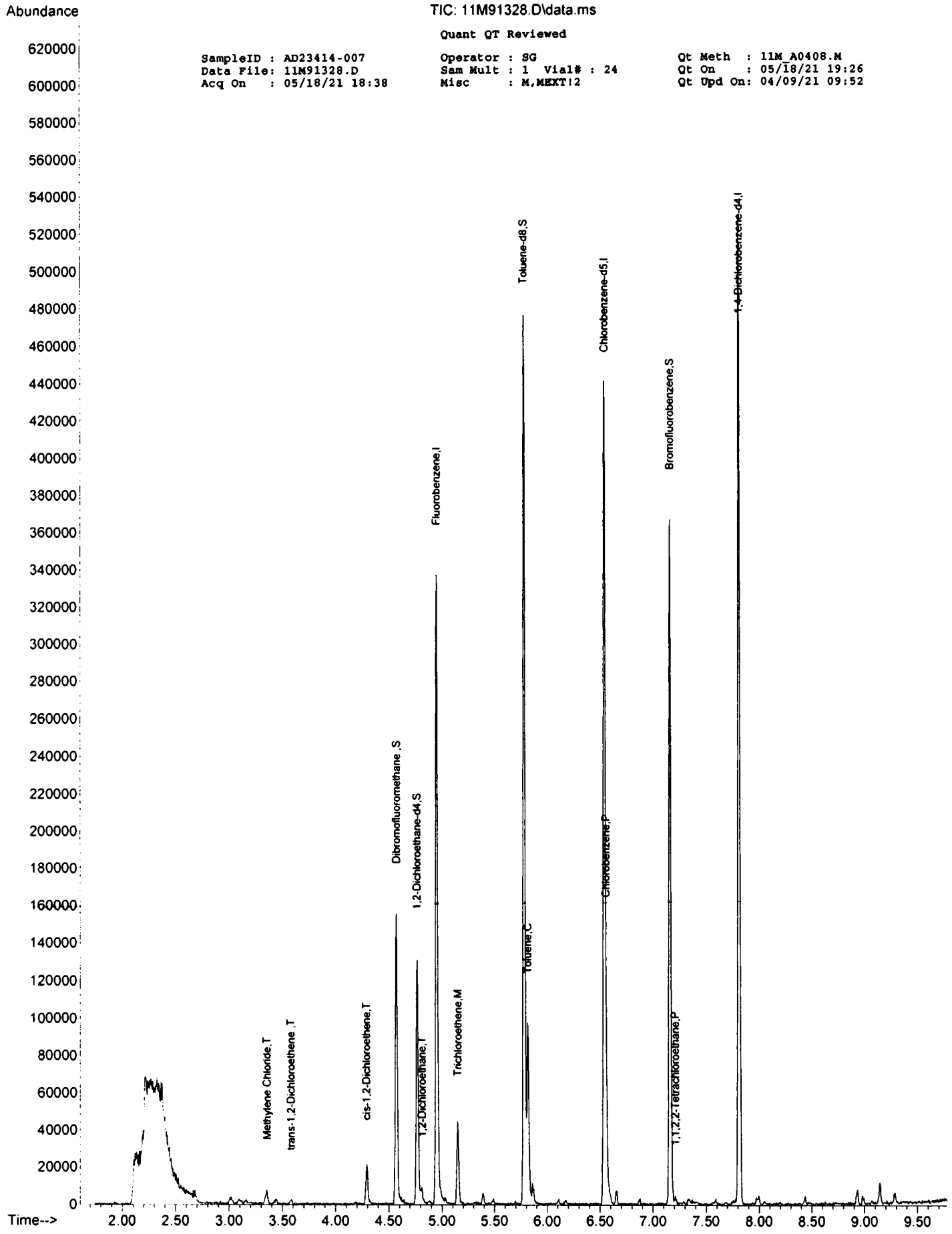
Quantitation Report (QT Reviewed)

SampleID : AD23414-007 Operator : SG Qt Meth : 11M_A0408.M
Data File: 11M91328.D Sam Mult : 1 Vial# : 24 Qt On : 05/18/21 19:26
Acq On : 05/18/21 18:38 Misc : M,MEXT!2 Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-18-21\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.948	96	208649	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.543	117	186161	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.810	152	103438	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.572	111	59743	29.65	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.83%			
39) 1,2-Dichloroethane-d4	4.765	67	28891	32.40	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.00%			
66) Toluene-d8	5.778	98	224487	30.11	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.37%			
76) Bromofluorobenzene	7.160	174	80210	29.71	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.03%			
Target Compounds						Qvalue
15) Methylene Chloride	3.353	84	3061	1.9021	ug/l	70
28) trans-1,2-Dichloroethene	3.578	96	806	0.4609	ug/l	62
30) cis-1,2-Dichloroethene	4.289	61	6853	2.7317	ug/l	92
40) 1,2-Dichloroethane	4.810	62	2348	0.9580	ug/l	84
49) Trichloroethene	5.147	130	9067	4.2267	ug/l	84
67) Toluene	5.813	92	24559	5.4200	ug/l	91
69) Chlorobenzene	6.556	112	23442	4.4765	ug/l	89
75) 1,1,2,2-Tetrachloroethane	7.208	83	1427	0.5841	ug/l	95

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


Abundance
TIC: 11M91328.D\data.ms
Quant QT Reviewed
SampleID : AD23414-007
Data File: 11M91328.D
Acq On : 05/18/21 18:38
Operator : SG
Sam Mult : 1 Vial# : 24
Misc : M,MEXT!2
Qt Meth : 11M_A0408.M
Qt On : 05/18/21 19:26
Qt Upd On: 04/09/21 09:52
620000
600000
580000
560000
540000
520000
500000
480000
460000
440000
420000
400000
380000
360000
340000
320000
300000
280000
260000
240000
220000
200000
180000
160000
140000
120000
100000
80000
60000
40000
20000
0
Time-->
2.00
2.50
3.00
3.50
4.00
4.50
5.00
5.50
6.00
6.50
7.00
7.50
8.00
8.50
9.00
9.50
Methylene Chloride,T
trans-1,2-Dichloroethene ,T
cis-1,2-Dichloroethene,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
1,2-Dichloroethane,T
Fluorobenzene,I
Trichloroethene,M
Toluene-d8,S
Toluene,C
Chlorobenzene-d5,I
Chlorobenzene,P
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,P
1,4-Dichlorobenzene-d4,I

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23414-008
Client Id: HSI-SB-16 (17.5')
Data File: 8M546942.D
Analysis Date: 05/18/21 05:11
Date Rec/Extracted: 05/14/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 7.05g
Final Vol: NA
Dilution: 0.709
Solids: 81

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.00081	0.0018	U	56-23-5	Carbon Tetrachloride	0.00085	0.0018	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**0.00039**	**0.0018**	**0.034**	**108-90-7**	**Chlorobenzene**	**0.00054**	**0.00088**	**0.14**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0012	0.0018	U	75-00-3	Chloroethane	0.0017	0.0018	U
79-00-5	1,1,2-Trichloroethane	0.00040	0.0018	U	67-66-3	Chloroform	0.0012	0.0018	U
75-34-3	**1,1-Dichloroethane**	**0.00076**	**0.0018**	**0.00081J**	74-87-3	Chloromethane	0.0011	0.0018	U
75-35-4	1,1-Dichloroethene	0.0010	0.0018	U	**156-59-2**	**cis-1,2-Dichloroethene**	**0.00071**	**0.0018**	**0.028**
87-61-6	1,2,3-Trichlorobenzene	0.00048	0.0018	U	10061-01-5	cis-1,3-Dichloropropene	0.00046	0.0018	U
120-82-1	1,2,4-Trichlorobenzene	0.00055	0.0018	U	110-82-7	Cyclohexane	0.0011	0.0018	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.00048	0.0018	U	124-48-1	Dibromochloromethane	0.00038	0.0018	U
106-93-4	1,2-Dibromoethane	0.00043	0.00044	U	75-71-8	Dichlorodifluoromethane	0.0012	0.0018	U
95-50-1	1,2-Dichlorobenzene	0.00045	0.0018	U	**100-41-4**	**Ethylbenzene**	**0.00060**	**0.00088**	**0.0027**
107-06-2	**1,2-Dichloroethane**	**0.00036**	**0.0018**	**0.018**	98-82-8	Isopropylbenzene	0.00073	0.00088	U
78-87-5	1,2-Dichloropropane	0.00072	0.0018	U	**179601-23-1**	**m&p-Xylenes**	**0.0011**	**0.0011**	**0.011**
541-73-1	1,3-Dichlorobenzene	0.00048	0.0018	U	79-20-9	Methyl Acetate	0.00084	0.0018	U
106-46-7	1,4-Dichlorobenzene	0.00046	0.0018	U	108-87-2	Methylcyclohexane	0.00079	0.0018	U
123-91-1	1,4-Dioxane	0.043	0.088	U	**75-09-2**	**Methylene Chloride**	**0.00066**	**0.0018**	**0.017**
78-93-3	2-Butanone	0.0011	0.0018	U	**1634-04-4**	**Methyl-t-butyl ether**	**0.00047**	**0.00088**	**0.00087J**
591-78-6	2-Hexanone	0.00074	0.0018	U	**95-47-6**	**o-Xylene**	**0.00062**	**0.00088**	**0.0040**
108-10-1	**4-Methyl-2-Pentanone**	**0.00051**	**0.0018**	**0.018**	100-42-5	Styrene	0.00048	0.0018	U
67-64-1	Acetone	0.0059	0.0088	U	**127-18-4**	**Tetrachloroethene**	**0.00086**	**0.0018**	**0.0033**
71-43-2	**Benzene**	**0.00064**	**0.00088**	**0.0050**	**108-88-3**	**Toluene**	**0.00058**	**0.00088**	**0.11**
74-97-5	Bromochloromethane	0.00061	0.0018	U	**156-60-5**	**trans-1,2-Dichloroethene**	**0.0011**	**0.0018**	**0.0018**
75-27-4	Bromodichloromethane	0.00041	0.0018	U	10061-02-6	trans-1,3-Dichloropropene	0.00041	0.0018	U
75-25-2	Bromoform	0.00029	0.0018	U	**79-01-6**	**Trichloroethene**	**0.00072**	**0.0018**	**0.061**
74-83-9	Bromomethane	0.0014	0.0018	U	75-69-4	Trichlorofluoromethane	0.0010	0.0018	U
75-15-0	Carbon Disulfide	0.0030	0.0030	U	**75-01-4**	**Vinyl Chloride**	**0.0011**	**0.0018**	**0.0097**
1330-20-7	**Xylenes (Total)**	**0.00062**	**0.00088**	**0.015**					

Worksheet #: 593339

Total Target Concentration 0.47

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

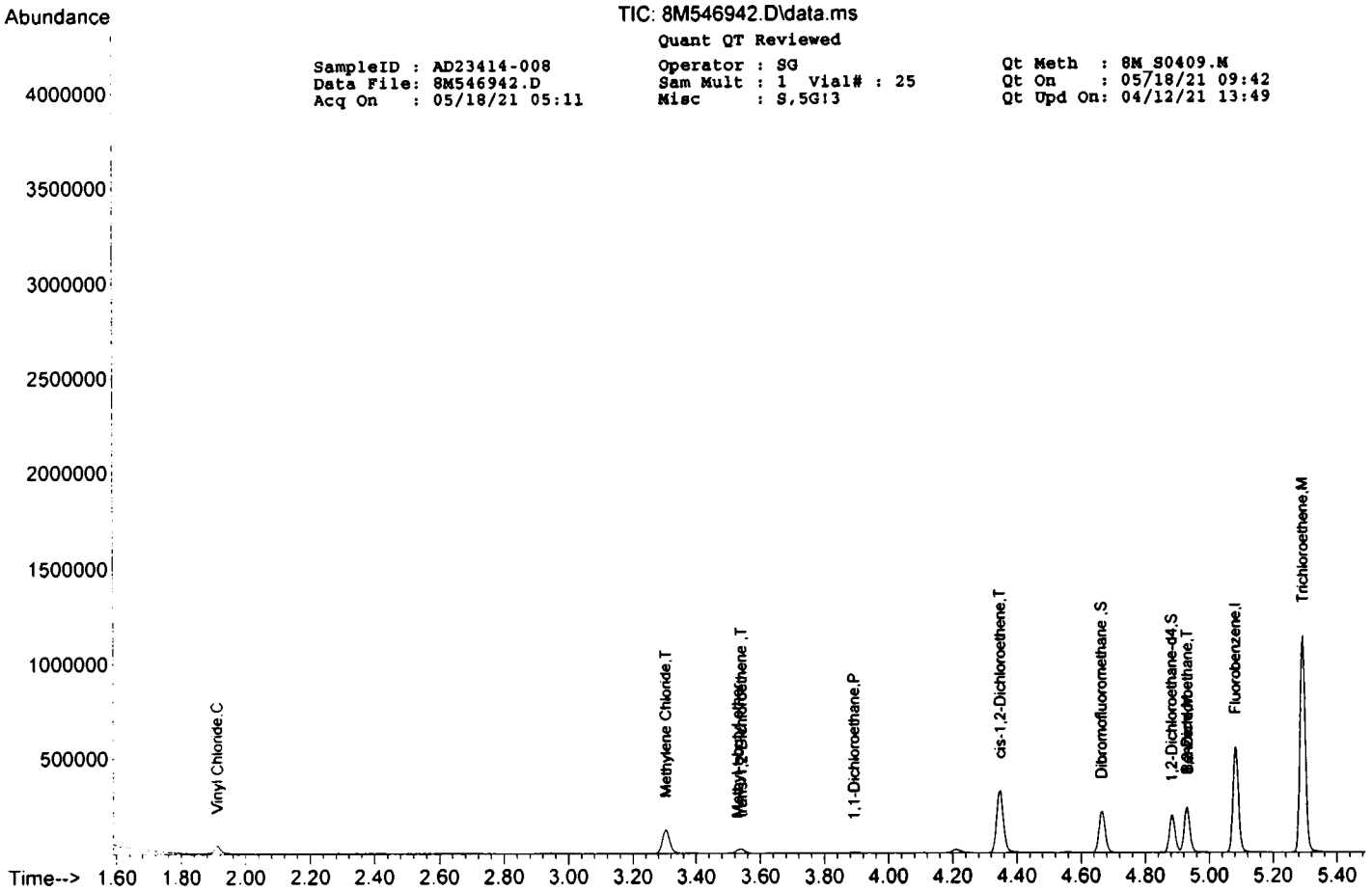
Quantitation Report (QT Reviewed)

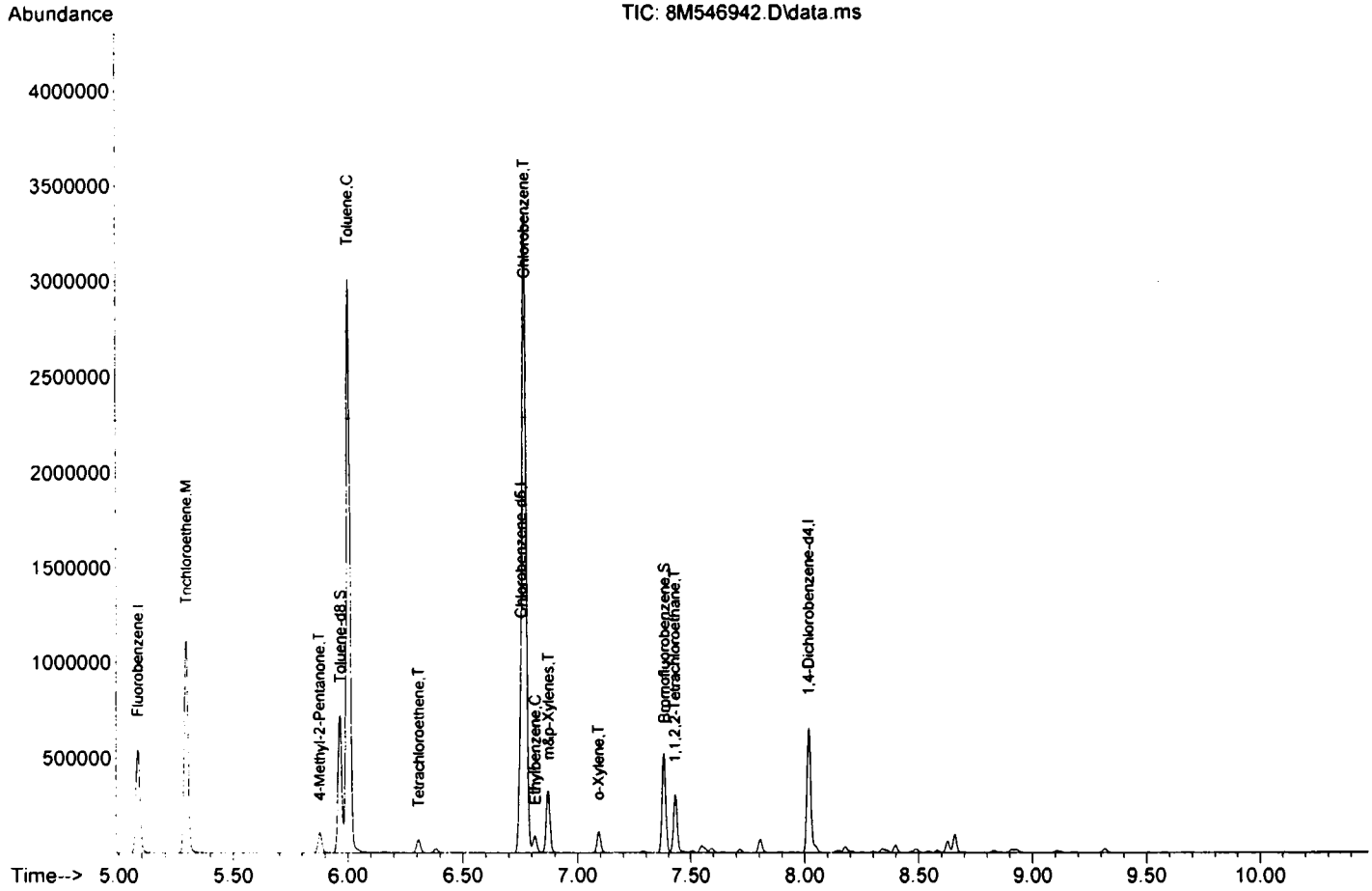
SampleID : AD23414-008 Operator : SG Qt Meth : 8M_S0409.M
Data File: 8M546942.D Sam Mult : 1 Vial# : 25 Qt On : 05/18/21 09:42
Acq On : 05/18/21 05:11 Misc : S,5G!3 Qt Upd On: 04/12/21 13:49

Data Path : G:\GcMsData\2021\GCMS_8\Data\05-1721\
Qt Path : G:\GcMsData\2021\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.082	96	321959	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.754	117	253791	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.018	152	132882	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.664	111	87775	30.11	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.37%			
39) 1,2-Dichloroethane-d4	4.883	67	44711	32.20	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.33%			
66) Toluene-d8	5.966	98	320378	30.12	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.40%			
76) Bromofluorobenzene	7.381	174	107895	31.65	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.50%			
Target Compounds						Qvalue
9) Vinyl Chloride	1.912	62	28843	11.0933	ug/l	97
15) Methylene Chloride	3.304	84	51548	18.9504	ug/l	88
26) Methyl-t-butyl ether	3.529	73	6482	0.9945	ug/l	57
27) 1,1-Dichloroethane	3.892	63	4118	0.9246	ug/l	86
28) trans-1,2-Dichloroethene	3.542	96	6255	2.0904	ug/l	68
30) cis-1,2-Dichloroethene	4.349	61	140379	31.5237	ug/l	55
40) 1,2-Dichloroethane	4.931	62	69072	20.3628	ug/l	98
49) Trichloroethene	5.294	130	251201	70.2340	ug/l	89
50) Benzene	4.931	78	60893	5.6787	ug/l	100
63) 4-Methyl-2-Pentanone	5.876	43	42885	19.9976	ug/l	81
65) Tetrachloroethene	6.307	164	11278	3.7150	ug/l	86
67) Toluene	6.002	92	869751	120.9342	ug/l	99
69) Chlorobenzene	6.770	112	1289757	155.7528	ug/l	98
74) Ethylbenzene	6.815	106	11131	3.0973	ug/l	73
75) 1,1,2,2-Tetrachloroethane	7.429	83	104822	38.8909	ug/l	91
78) m&p-Xylenes	6.873	106	66931	13.0801	ug/l	73
79) o-Xylene	7.092	106	22223	4.6232	ug/l	95

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


Abundance
TIC: 8M546942.D\data.ms
Quant QT Reviewed
SampleID : AD23414-008
Data File: 8M546942.D
Acq On : 05/18/21 05:11
Operator : SG
Sam Mult : 1 Vial# : 25
Misc : S,5G13
Qt Meth : 8M_S0409.M
Qt On : 05/18/21 09:42
Qt Upd On: 04/12/21 13:49
Vinyl Chloride,C
Methylene Chloride,T
1,1-Dichloroethane,P
cis-1,2-Dichloroethene,T
Dibromofluoromethane,S
Fluorobenzene,I
Trichloroethene,M
Time-->


Abundance
TIC: 8M546942.D\data.ms
Fluorobenzene,I
Trichloroethene,M
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
Tetrachloroethene,T
Chlorobenzene-d5,I
Chlorobenzene,T
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,T
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD23414-009
Client Id: HSI-SB-16 (19.5')
Data File: 8M546943.D
Analysis Date: 05/18/21 05:30
Date Rec/Extracted: 05/14/21-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 6.83g
Final Vol: NA
Dilution: 0.732
Solids: 80

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.00084	0.0018	U	56-23-5	Carbon Tetrachloride	0.00089	0.0018	U
79-34-5	**1,1,2,2-Tetrachloroethane**	**0.00041**	**0.0018**	**0.0041**	**108-90-7**	**Chlorobenzene**	**0.00057**	**0.00092**	**0.078**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0013	0.0018	U	75-00-3	Chloroethane	0.0018	0.0018	U
79-00-5	1,1,2-Trichloroethane	0.00042	0.0018	U	67-66-3	Chloroform	0.0012	0.0018	U
75-34-3	1,1-Dichloroethane	0.00080	0.0018	U	74-87-3	Chloromethane	0.0011	0.0018	U
75-35-4	1,1-Dichloroethene	0.0011	0.0018	U	**156-59-2**	**cis-1,2-Dichloroethene**	**0.00074**	**0.0018**	**0.015**
87-61-6	1,2,3-Trichlorobenzene	0.00050	0.0018	U	10061-01-5	cis-1,3-Dichloropropene	0.00048	0.0018	U
120-82-1	1,2,4-Trichlorobenzene	0.00058	0.0018	U	110-82-7	Cyclohexane	0.0011	0.0018	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.00050	0.0018	U	124-48-1	Dibromochloromethane	0.00039	0.0018	U
106-93-4	1,2-Dibromoethane	0.00045	0.00046	U	75-71-8	Dichlorodifluoromethane	0.0013	0.0018	U
95-50-1	1,2-Dichlorobenzene	0.00047	0.0018	U	**100-41-4**	**Ethylbenzene**	**0.00063**	**0.00092**	**0.0014**
107-06-2	**1,2-Dichloroethane**	**0.00038**	**0.0018**	**0.0058**	98-82-8	Isopropylbenzene	0.00076	0.00092	U
78-87-5	1,2-Dichloropropane	0.00075	0.0018	U	**179601-23-1**	**m&p-Xylenes**	**0.0011**	**0.0011**	**0.0059**
541-73-1	1,3-Dichlorobenzene	0.00050	0.0018	U	79-20-9	Methyl Acetate	0.00088	0.0018	U
106-46-7	1,4-Dichlorobenzene	0.00048	0.0018	U	108-87-2	Methylcyclohexane	0.00082	0.0018	U
123-91-1	1,4-Dioxane	0.044	0.092	U	**75-09-2**	**Methylene Chloride**	**0.00069**	**0.0018**	**0.0089**
78-93-3	2-Butanone	0.0011	0.0018	U	1634-04-4	Methyl-t-butyl ether	0.00049	0.00092	U
591-78-6	2-Hexanone	0.00078	0.0018	U	**95-47-6**	**o-Xylene**	**0.00065**	**0.00092**	**0.0018**
108-10-1	**4-Methyl-2-Pentanone**	**0.00053**	**0.0018**	**0.0013J**	100-42-5	Styrene	0.00050	0.0018	U
67-64-1	Acetone	0.0062	0.0092	U	**127-18-4**	**Tetrachloroethene**	**0.00090**	**0.0018**	**0.0028**
71-43-2	**Benzene**	**0.00067**	**0.00092**	**0.0033**	**108-88-3**	**Toluene**	**0.00060**	**0.00092**	**0.058**
74-97-5	Bromochloromethane	0.00064	0.0018	U	**156-60-5**	**trans-1,2-Dichloroethene**	**0.0011**	**0.0018**	**0.0014J**
75-27-4	Bromodichloromethane	0.00043	0.0018	U	10061-02-6	trans-1,3-Dichloropropene	0.00043	0.0018	U
75-25-2	Bromoform	0.00030	0.0018	U	**79-01-6**	**Trichloroethene**	**0.00075**	**0.0018**	**0.045**
74-83-9	Bromomethane	0.0014	0.0018	U	75-69-4	Trichlorofluoromethane	0.0011	0.0018	U
75-15-0	Carbon Disulfide	0.0031	0.0031	U	**75-01-4**	**Vinyl Chloride**	**0.0011**	**0.0018**	**0.0078**
1330-20-7	**Xylenes (Total)**	**0.00065**	**0.00092**	**0.0077**					

Worksheet #: 593339

Total Target Concentration 0.24

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

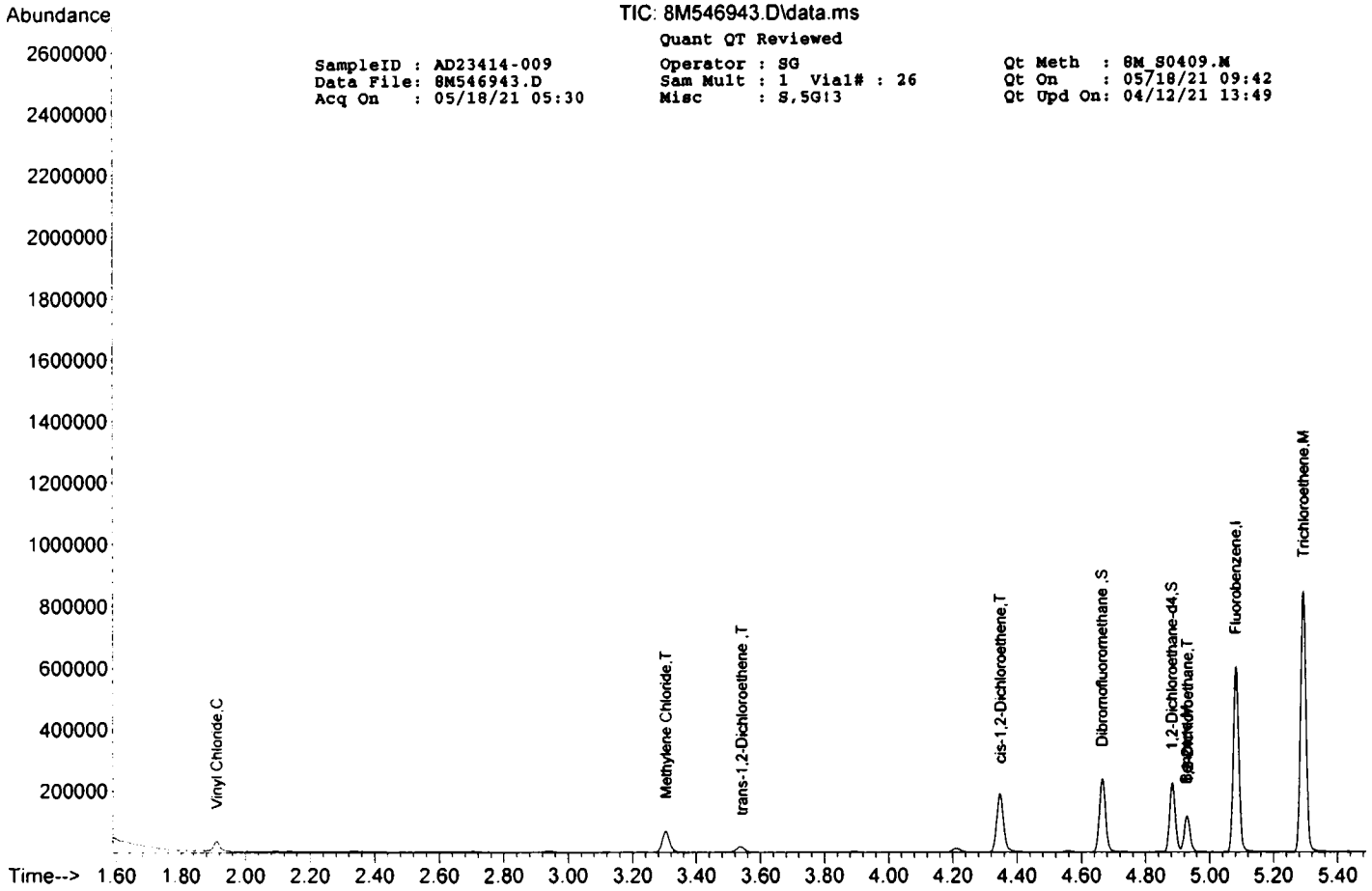
Quantitation Report (QT Reviewed)

SampleID : AD23414-009 Operator : SG Qt Meth : 8M_S0409.M
Data File: 8M546943.D Sam Mult : 1 Vial# : 26 Qt On : 05/18/21 09:42
Acq On : 05/18/21 05:30 Misc : S,5G!3 Qt Upd On: 04/12/21 13:49

Data Path : G:\GcMsData\2021\GCMS_8\Data\05-1721\
Qt Path : G:\GcMsData\2021\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.082	96	352460	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.754	117	280240	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.018	152	153616	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.664	111	97525	30.56	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.87%			
39) 1,2-Dichloroethane-d4	4.883	67	52254	34.38	ug/l	0.00
Spiked Amount 30.000			Recovery = 114.60%			
66) Toluene-d8	5.966	98	352440	30.01	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.03%			
76) Bromofluorobenzene	7.381	174	119496	30.32	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.07%			
Target Compounds						Qvalue
9) Vinyl Chloride	1.912	62	24107	8.4694	ug/l	91
15) Methylene Chloride	3.304	84	29026	9.7473	ug/l	84
28) trans-1,2-Dichloroethene	3.542	96	4891	1.4931	ug/l	69
30) cis-1,2-Dichloroethene	4.349	61	80278	16.4673	ug/l	55
40) 1,2-Dichloroethane	4.931	62	23481	6.3233	ug/l	95
49) Trichloroethene	5.294	130	190953	48.7689	ug/l	89
50) Benzene	4.928	78	42435	3.6149	ug/l	100
63) 4-Methyl-2-Pentanone	5.876	43	3372	1.4240	ug/l	96
65) Tetrachloroethene	6.307	164	10168	3.0332	ug/l	98
67) Toluene	6.002	92	507680	63.9279	ug/l	97
69) Chlorobenzene	6.770	112	776064	84.8734	ug/l	96
74) Ethylbenzene	6.815	106	6558	1.5785	ug/l	71
75) 1,1,2,2-Tetrachloroethane	7.429	83	14013	4.4973	ug/l	90
78) m&p-Xylenes	6.870	106	37974	6.4195	ug/l	74
79) o-Xylene	7.095	106	10927	1.9664	ug/l	85

(#) = qualifier out of range (m) = manual integration (+) = signals summed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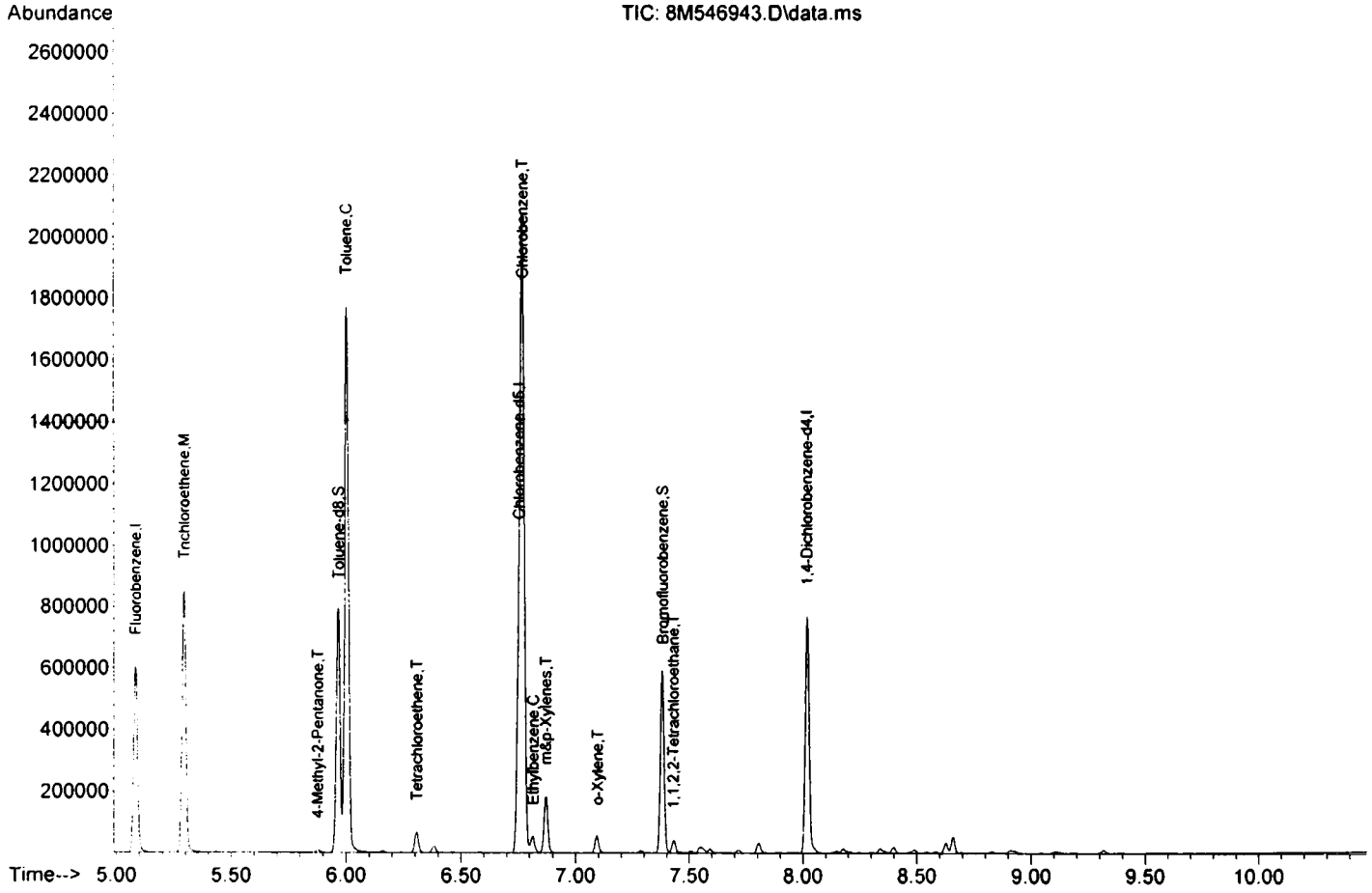
Quant QT Reviewed
SampleID : AD23414-009
Data File: 8M546943.D
Acq On : 05/18/21 05:30
Operator : SG
Sam Mult : 1 Vial# : 26
Misc : S,5G13
Qt Meth : 8M_S0409.M
Qt On : 05/18/21 09:42
Qt Upd On: 04/12/21 13:49
Vinyl Chloride,C
Methylene Chloride,T
trans-1,2-Dichloroethene ,T
cis-1,2-Dichloroethene,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Time-->


Abundance
TIC: 8M546943.D\data.ms
Fluorobenzene,I
Trichloroethene,M
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
Tetrachloroethene,T
Chlorobenzene,T
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,I
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 11M91307.D
Analysis Date: 05/18/21 11:06
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 5g:10ml
Final Vol: NA
Dilution: 100
Solids: 100

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.036	0.10	U	56-23-5	Carbon Tetrachloride	0.032	0.10	U
79-34-5	1,1,2,2-Tetrachloroethane	0.045	0.10	U	108-90-7	Chlorobenzene	0.033	0.10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.073	0.10	U	75-00-3	Chloroethane	0.058	0.10	U
79-00-5	1,1,2-Trichloroethane	0.032	0.10	U	67-66-3	Chloroform	0.20	0.20	U
75-34-3	1,1-Dichloroethane	0.043	0.10	U	74-87-3	Chloromethane	0.052	0.10	U
75-35-4	1,1-Dichloroethene	0.053	0.10	U	156-59-2	cis-1,2-Dichloroethene	0.064	0.10	U
87-61-6	1,2,3-Trichlorobenzene	0.079	0.10	U	10061-01-5	cis-1,3-Dichloropropene	0.032	0.10	U
120-82-1	1,2,4-Trichlorobenzene	0.073	0.10	U	110-82-7	Cyclohexane	0.049	0.10	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.083	0.10	U	124-48-1	Dibromochloromethane	0.024	0.10	U
106-93-4	1,2-Dibromoethane	0.034	0.10	U	75-71-8	Dichlorodifluoromethane	0.062	0.10	U
95-50-1	1,2-Dichlorobenzene	0.032	0.10	U	100-41-4	Ethylbenzene	0.047	0.10	U
107-06-2	1,2-Dichloroethane	0.064	0.064	U	98-82-8	Isopropylbenzene	0.049	0.10	U
78-87-5	1,2-Dichloropropane	0.030	0.10	U	179601-23-1	m&p-Xylenes	0.085	0.10	U
541-73-1	1,3-Dichlorobenzene	0.038	0.10	U	79-20-9	Methyl Acetate	0.070	0.10	U
106-46-7	1,4-Dichlorobenzene	0.037	0.10	U	108-87-2	Methylcyclohexane	0.061	0.10	U
123-91-1	1,4-Dioxane	3.9	5.0	U	75-09-2	Methylene Chloride	0.029	0.10	U
78-93-3	2-Butanone	0.075	0.10	U	1634-04-4	Methyl-t-butyl ether	0.031	0.050	U
591-78-6	2-Hexanone	0.060	0.10	U	95-47-6	o-Xylene	0.068	0.10	U
108-10-1	4-Methyl-2-Pentanone	0.049	0.10	U	100-42-5	Styrene	0.054	0.10	U
67-64-1	Acetone	0.46	0.50	U	127-18-4	Tetrachloroethene	0.036	0.10	U
71-43-2	Benzene	0.030	0.050	U	108-88-3	Toluene	0.033	0.10	U
74-97-5	Bromochloromethane	0.079	0.10	U	156-60-5	trans-1,2-Dichloroethene	0.031	0.10	U
75-27-4	Bromodichloromethane	0.035	0.10	U	10061-02-6	trans-1,3-Dichloropropene	0.031	0.10	U
75-25-2	Bromoform	0.054	0.10	U	79-01-6	Trichloroethene	0.035	0.10	U
74-83-9	Bromomethane	0.050	0.10	U	75-69-4	Trichlorofluoromethane	0.031	0.10	U
75-15-0	Carbon Disulfide	0.042	0.10	U	75-01-4	Vinyl Chloride	0.071	0.10	U

Worksheet #: 593339

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK Operator : SG Qt Meth : 11M_A0408.M
Data File: 11M91307.D Sam Mult : 1 Vial# : 7 Qt On : 05/18/21 11:58
Acq On : 05/18/21 11:06 Misc : M,MEOH Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-18-21\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.951	96	192926	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	177227	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.810	152	92963	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.572	111	55390	29.73	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.10%			
39) 1,2-Dichloroethane-d4	4.771	67	27863	33.79	ug/l	0.00
Spiked Amount 30.000			Recovery = 112.63%			
66) Toluene-d8	5.781	98	199505	28.11	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.70%			
76) Bromofluorobenzene	7.160	174	74252	30.60	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.00%			
Target Compounds						Qvalue

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

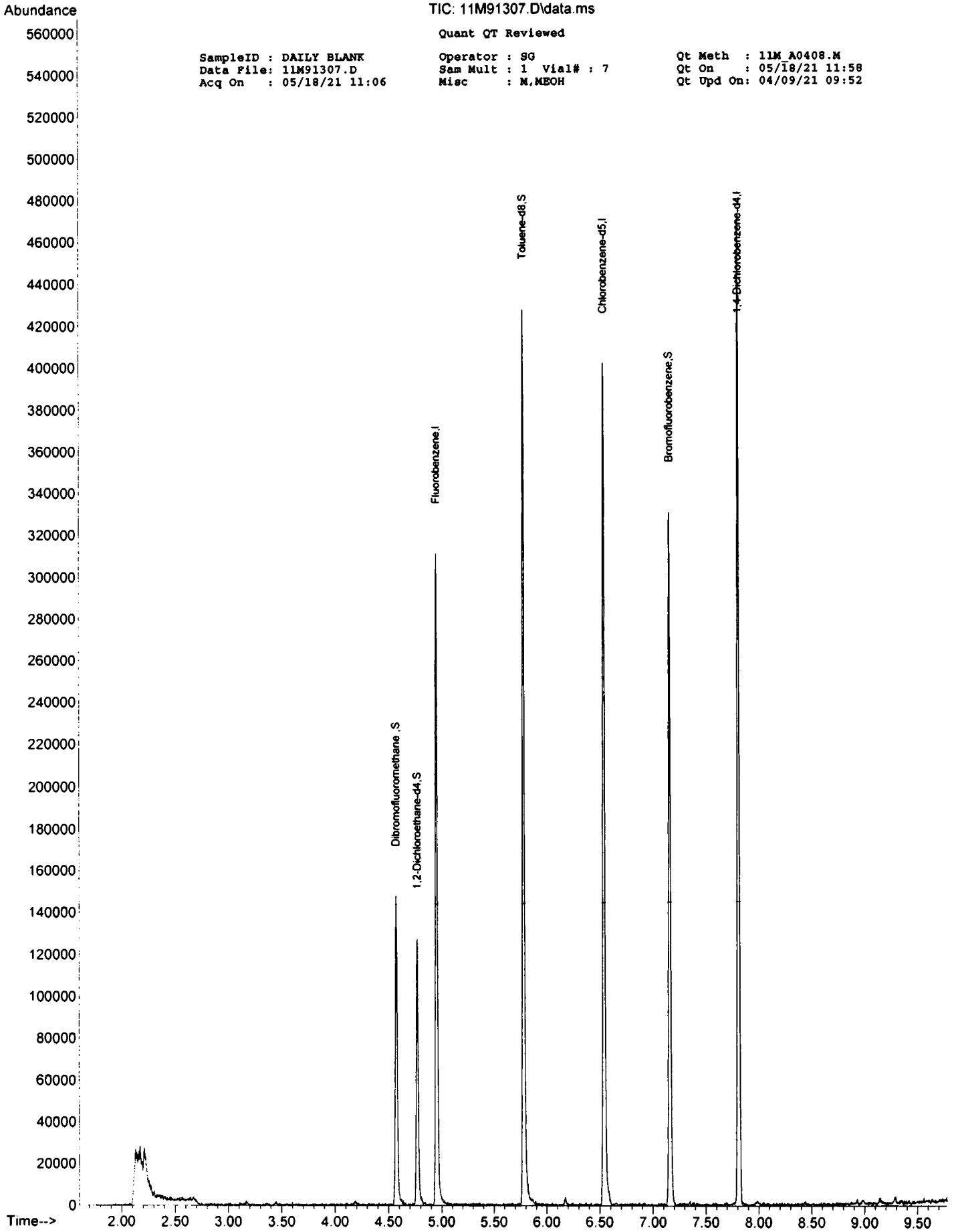
TIC: 11M91307.D\data.ms

Quant QT Reviewed

SampleID : DAILY BLANK
Data File: 11M91307.D
Acq On : 05/18/21 11:06

Operator : SG
Sam Mult : 1 Vial# : 7
Misc : M,MEOH

Qt Meth : 11M_A0408.M
Qt On : 05/18/21 11:58
Qt Upd On: 04/09/21 09:52



Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 11M91401.D
Analysis Date: 05/19/21 20:30
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 5g:10ml
Final Vol: NA
Dilution: 100
Solids: 100

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.036	0.10	U	56-23-5	Carbon Tetrachloride	0.032	0.10	U
79-34-5	1,1,2,2-Tetrachloroethane	0.045	0.10	U	108-90-7	Chlorobenzene	0.033	0.10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.073	0.10	U	75-00-3	Chloroethane	0.058	0.10	U
79-00-5	1,1,2-Trichloroethane	0.032	0.10	U	67-66-3	Chloroform	0.20	0.20	U
75-34-3	1,1-Dichloroethane	0.043	0.10	U	74-87-3	Chloromethane	0.052	0.10	U
75-35-4	1,1-Dichloroethene	0.053	0.10	U	156-59-2	cis-1,2-Dichloroethene	0.064	0.10	U
87-61-6	1,2,3-Trichlorobenzene	0.079	0.10	U	10061-01-5	cis-1,3-Dichloropropene	0.032	0.10	U
120-82-1	1,2,4-Trichlorobenzene	0.073	0.10	U	110-82-7	Cyclohexane	0.049	0.10	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.083	0.10	U	124-48-1	Dibromochloromethane	0.024	0.10	U
106-93-4	1,2-Dibromoethane	0.034	0.10	U	75-71-8	Dichlorodifluoromethane	0.062	0.10	U
95-50-1	1,2-Dichlorobenzene	0.032	0.10	U	100-41-4	Ethylbenzene	0.047	0.10	U
107-06-2	1,2-Dichloroethane	0.064	0.064	U	98-82-8	Isopropylbenzene	0.049	0.10	U
78-87-5	1,2-Dichloropropane	0.030	0.10	U	179601-23-1	m&p-Xylenes	0.085	0.10	U
541-73-1	1,3-Dichlorobenzene	0.038	0.10	U	79-20-9	Methyl Acetate	0.070	0.10	U
106-46-7	1,4-Dichlorobenzene	0.037	0.10	U	108-87-2	Methylcyclohexane	0.061	0.10	U
123-91-1	1,4-Dioxane	3.9	5.0	U	75-09-2	Methylene Chloride	0.029	0.10	U
78-93-3	2-Butanone	0.075	0.10	U	1634-04-4	Methyl-t-butyl ether	0.031	0.050	U
591-78-6	2-Hexanone	0.060	0.10	U	95-47-6	o-Xylene	0.068	0.10	U
108-10-1	4-Methyl-2-Pentanone	0.049	0.10	U	100-42-5	Styrene	0.054	0.10	U
67-64-1	Acetone	0.46	0.50	U	127-18-4	Tetrachloroethene	0.036	0.10	U
71-43-2	Benzene	0.030	0.050	U	108-88-3	Toluene	0.033	0.10	U
74-97-5	Bromochloromethane	0.079	0.10	U	156-60-5	trans-1,2-Dichloroethene	0.031	0.10	U
75-27-4	Bromodichloromethane	0.035	0.10	U	10061-02-6	trans-1,3-Dichloropropene	0.031	0.10	U
75-25-2	Bromoform	0.054	0.10	U	79-01-6	Trichloroethene	0.035	0.10	U
74-83-9	Bromomethane	0.050	0.10	U	75-69-4	Trichlorofluoromethane	0.031	0.10	U
75-15-0	Carbon Disulfide	0.042	0.10	U	75-01-4	Vinyl Chloride	0.071	0.10	U

Worksheet #: 593339

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK Operator : WP Qt Meth : 11M_A0408.M
Data File: 11M91401.D Sam Mult : 1 Vial# : 36 Qt On : 05/19/21 20:43
Acq On : 05/19/21 20:30 Misc : M,MEOH Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-19-21\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.951	96	190570	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	173091	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.810	152	93186	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.572	111	55949	30.40	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.33%			
39) 1,2-Dichloroethane-d4	4.768	67	27336	33.57	ug/l	0.00
Spiked Amount 30.000			Recovery = 111.90%			
66) Toluene-d8	5.781	98	202384	29.20	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.33%			
76) Bromofluorobenzene	7.160	174	72407	29.77	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.23%			
Target Compounds						Qvalue

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

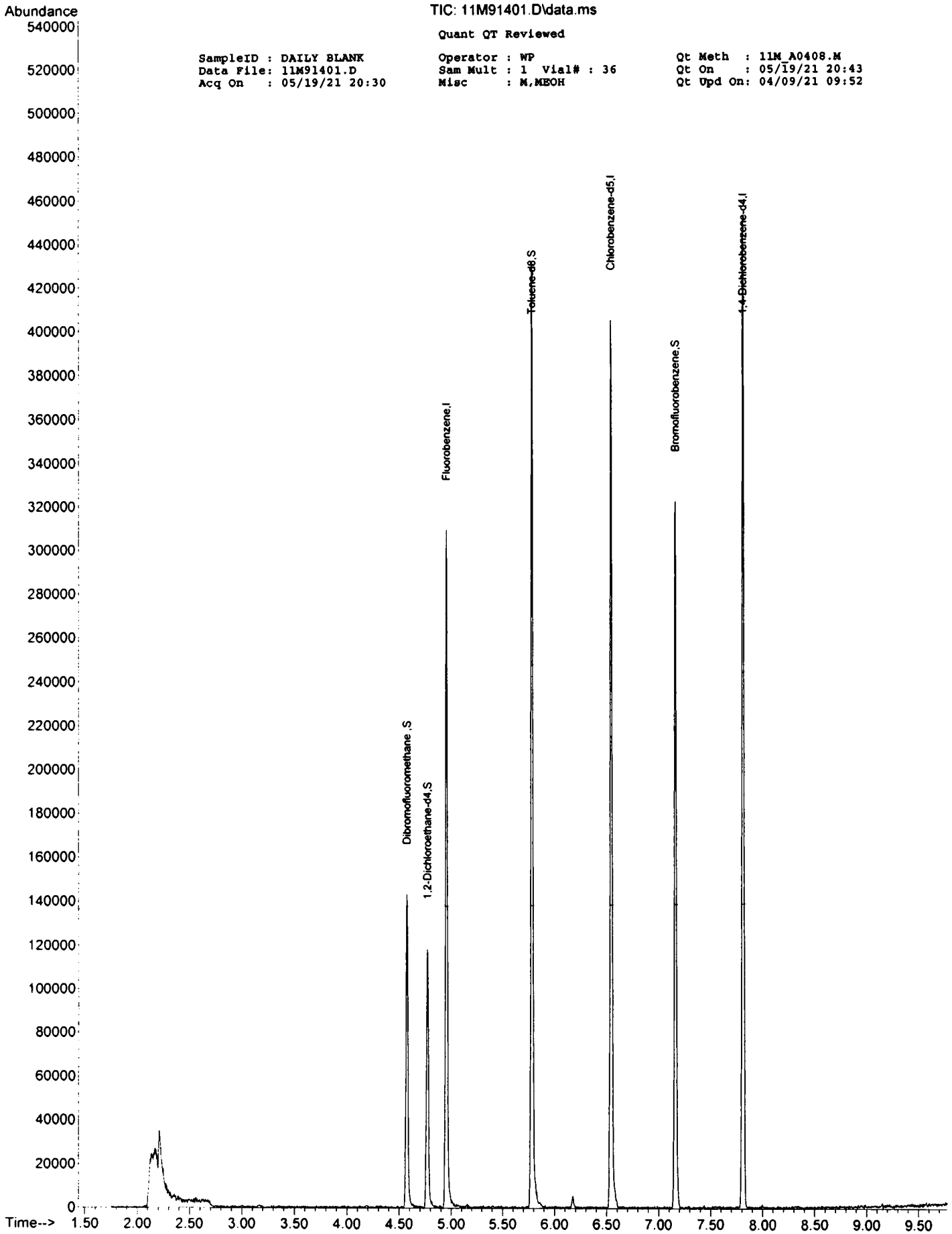
TIC: 11M91401.D\data.ms

Quant QT Reviewed

SampleID : DAILY BLANK
Data File: 11M91401.D
Acq On : 05/19/21 20:30

Operator : WP
Sam Mult : 1 Vial# : 36
Misc : M,MEOH

Qt Meth : 11M_A0408.M
Qt On : 05/19/21 20:43
Qt Upd On: 04/09/21 09:52



Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 11M91449.D
Analysis Date: 05/20/21 14:01
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 5g:10ml
Final Vol: NA
Dilution: 100
Solids: 100

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.036	0.10	U	56-23-5	Carbon Tetrachloride	0.032	0.10	U
79-34-5	1,1,2,2-Tetrachloroethane	0.045	0.10	U	108-90-7	Chlorobenzene	0.033	0.10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.073	0.10	U	75-00-3	Chloroethane	0.058	0.10	U
79-00-5	1,1,2-Trichloroethane	0.032	0.10	U	67-66-3	Chloroform	0.20	0.20	U
75-34-3	1,1-Dichloroethane	0.043	0.10	U	74-87-3	Chloromethane	0.052	0.10	U
75-35-4	1,1-Dichloroethene	0.053	0.10	U	156-59-2	cis-1,2-Dichloroethene	0.064	0.10	U
87-61-6	1,2,3-Trichlorobenzene	0.079	0.10	U	10061-01-5	cis-1,3-Dichloropropene	0.032	0.10	U
120-82-1	1,2,4-Trichlorobenzene	0.073	0.10	U	110-82-7	Cyclohexane	0.049	0.10	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.083	0.10	U	124-48-1	Dibromochloromethane	0.024	0.10	U
106-93-4	1,2-Dibromoethane	0.034	0.10	U	75-71-8	Dichlorodifluoromethane	0.062	0.10	U
95-50-1	1,2-Dichlorobenzene	0.032	0.10	U	100-41-4	Ethylbenzene	0.047	0.10	U
107-06-2	1,2-Dichloroethane	0.064	0.064	U	98-82-8	Isopropylbenzene	0.049	0.10	U
78-87-5	1,2-Dichloropropane	0.030	0.10	U	179601-23-1	m&p-Xylenes	0.085	0.10	U
541-73-1	1,3-Dichlorobenzene	0.038	0.10	U	79-20-9	Methyl Acetate	0.070	0.10	U
106-46-7	1,4-Dichlorobenzene	0.037	0.10	U	108-87-2	Methylcyclohexane	0.061	0.10	U
123-91-1	1,4-Dioxane	3.9	5.0	U	75-09-2	Methylene Chloride	0.029	0.10	U
78-93-3	2-Butanone	0.075	0.10	U	1634-04-4	Methyl-t-butyl ether	0.031	0.050	U
591-78-6	2-Hexanone	0.060	0.10	U	95-47-6	o-Xylene	0.068	0.10	U
108-10-1	4-Methyl-2-Pentanone	0.049	0.10	U	100-42-5	Styrene	0.054	0.10	U
67-64-1	Acetone	0.46	0.50	U	127-18-4	Tetrachloroethene	0.036	0.10	U
71-43-2	Benzene	0.030	0.050	U	108-88-3	Toluene	0.033	0.10	U
74-97-5	Bromochloromethane	0.079	0.10	U	156-60-5	trans-1,2-Dichloroethene	0.031	0.10	U
75-27-4	Bromodichloromethane	0.035	0.10	U	10061-02-6	trans-1,3-Dichloropropene	0.031	0.10	U
75-25-2	Bromoform	0.054	0.10	U	79-01-6	Trichloroethene	0.035	0.10	U
74-83-9	Bromomethane	0.050	0.10	U	75-69-4	Trichlorofluoromethane	0.031	0.10	U
75-15-0	Carbon Disulfide	0.042	0.10	U	75-01-4	Vinyl Chloride	0.071	0.10	U

Worksheet #: 593339

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

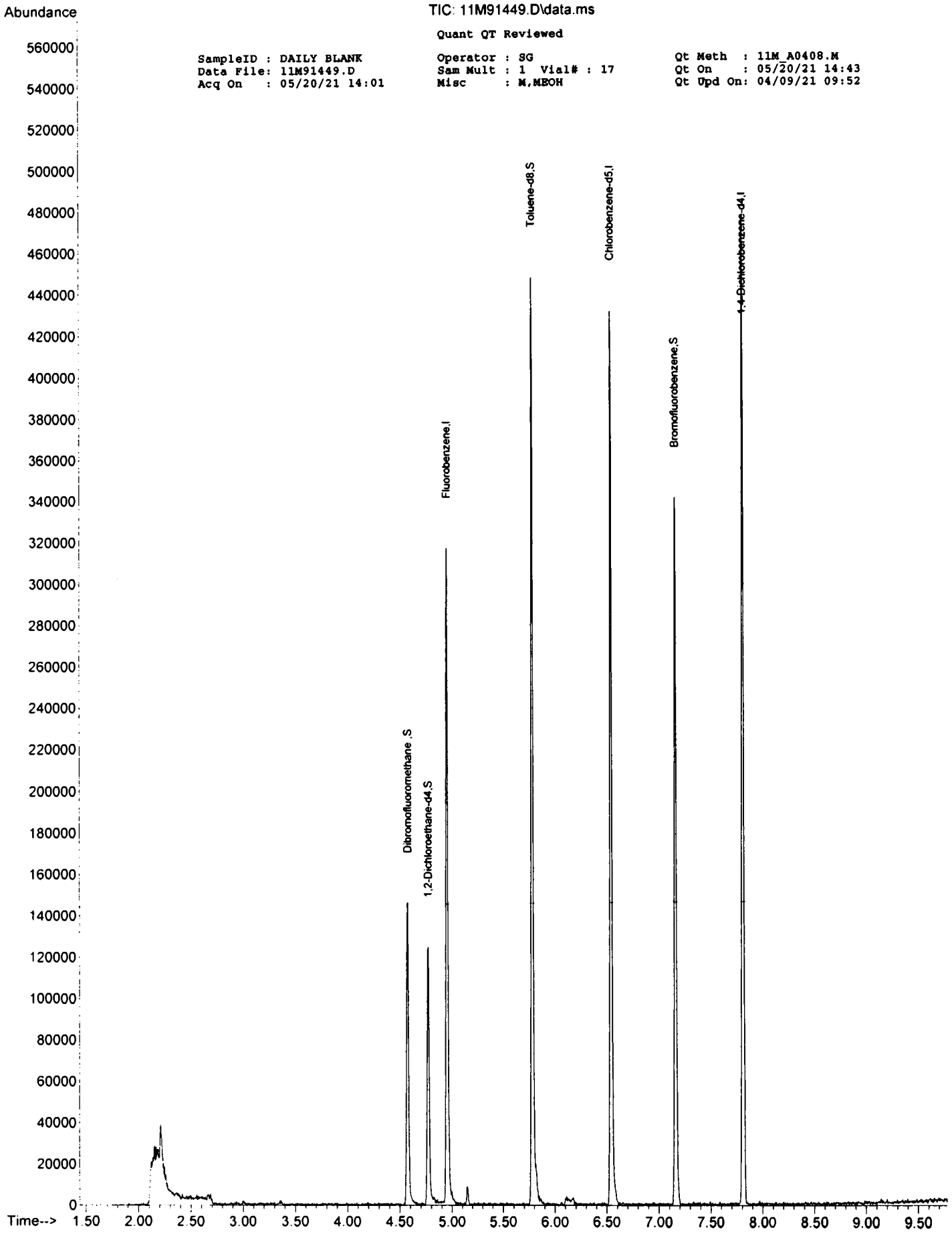
Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK Operator : SG Qt Meth : 11M_A0408.M
Data File: 11M91449.D Sam Mult : 1 Vial# : 17 Qt On : 05/20/21 14:43
Acq On : 05/20/21 14:01 Misc : M,MEOH Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-20-21\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.951	96	193366	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	182343	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.810	152	100958	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.575	111	56118	30.05	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.17%			
39) 1,2-Dichloroethane-d4	4.771	67	26708	32.32	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.73%			
66) Toluene-d8	5.781	98	211132	28.92	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.40%			
76) Bromofluorobenzene	7.157	174	75312	28.58	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.27%			
Target Compounds						Qvalue

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


Abundance
TIC: 11M91449.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 11M91449.D
Acq On : 05/20/21 14:01
Operator : SG
Sam Mult : 1 Vial# : 17
Misc : M,MEOH
Qt Meth : 11M_A0408.M
Qt On : 05/20/21 14:43
Qt Upd On: 04/09/21 09:52
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 11M91469.D
Analysis Date: 05/20/21 20:56
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Methanol
Extraction Ratio: 5g:10ml
Final Vol: NA
Dilution: 100
Solids: 100

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.036	0.10	U	56-23-5	Carbon Tetrachloride	0.032	0.10	U
79-34-5	1,1,2,2-Tetrachloroethane	0.045	0.10	U	108-90-7	Chlorobenzene	0.033	0.10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.073	0.10	U	75-00-3	Chloroethane	0.058	0.10	U
79-00-5	1,1,2-Trichloroethane	0.032	0.10	U	67-66-3	Chloroform	0.20	0.20	U
75-34-3	1,1-Dichloroethane	0.043	0.10	U	74-87-3	Chloromethane	0.052	0.10	U
75-35-4	1,1-Dichloroethene	0.053	0.10	U	156-59-2	cis-1,2-Dichloroethene	0.064	0.10	U
87-61-6	1,2,3-Trichlorobenzene	0.079	0.10	U	10061-01-5	cis-1,3-Dichloropropene	0.032	0.10	U
120-82-1	1,2,4-Trichlorobenzene	0.073	0.10	U	110-82-7	Cyclohexane	0.049	0.10	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.083	0.10	U	124-48-1	Dibromochloromethane	0.024	0.10	U
106-93-4	1,2-Dibromoethane	0.034	0.10	U	75-71-8	Dichlorodifluoromethane	0.062	0.10	U
95-50-1	1,2-Dichlorobenzene	0.032	0.10	U	100-41-4	Ethylbenzene	0.047	0.10	U
107-06-2	1,2-Dichloroethane	0.064	0.064	U	98-82-8	Isopropylbenzene	0.049	0.10	U
78-87-5	1,2-Dichloropropane	0.030	0.10	U	179601-23-1	m&p-Xylenes	0.085	0.10	U
541-73-1	1,3-Dichlorobenzene	0.038	0.10	U	79-20-9	Methyl Acetate	0.070	0.10	U
106-46-7	1,4-Dichlorobenzene	0.037	0.10	U	108-87-2	Methylcyclohexane	0.061	0.10	U
123-91-1	1,4-Dioxane	3.9	5.0	U	75-09-2	Methylene Chloride	0.029	0.10	U
78-93-3	2-Butanone	0.075	0.10	U	1634-04-4	Methyl-t-butyl ether	0.031	0.050	U
591-78-6	2-Hexanone	0.060	0.10	U	95-47-6	o-Xylene	0.068	0.10	U
108-10-1	4-Methyl-2-Pentanone	0.049	0.10	U	100-42-5	Styrene	0.054	0.10	U
67-64-1	Acetone	0.46	0.50	U	127-18-4	Tetrachloroethene	0.036	0.10	U
71-43-2	Benzene	0.030	0.050	U	108-88-3	Toluene	0.033	0.10	U
74-97-5	Bromochloromethane	0.079	0.10	U	156-60-5	trans-1,2-Dichloroethene	0.031	0.10	U
75-27-4	Bromodichloromethane	0.035	0.10	U	10061-02-6	trans-1,3-Dichloropropene	0.031	0.10	U
75-25-2	Bromoform	0.054	0.10	U	79-01-6	Trichloroethene	0.035	0.10	U
74-83-9	Bromomethane	0.050	0.10	U	75-69-4	Trichlorofluoromethane	0.031	0.10	U
75-15-0	Carbon Disulfide	0.042	0.10	U	75-01-4	Vinyl Chloride	0.071	0.10	U

Worksheet #: 593339

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK
Data File: 11M91469.D
Acq On : 05/20/21 20:56

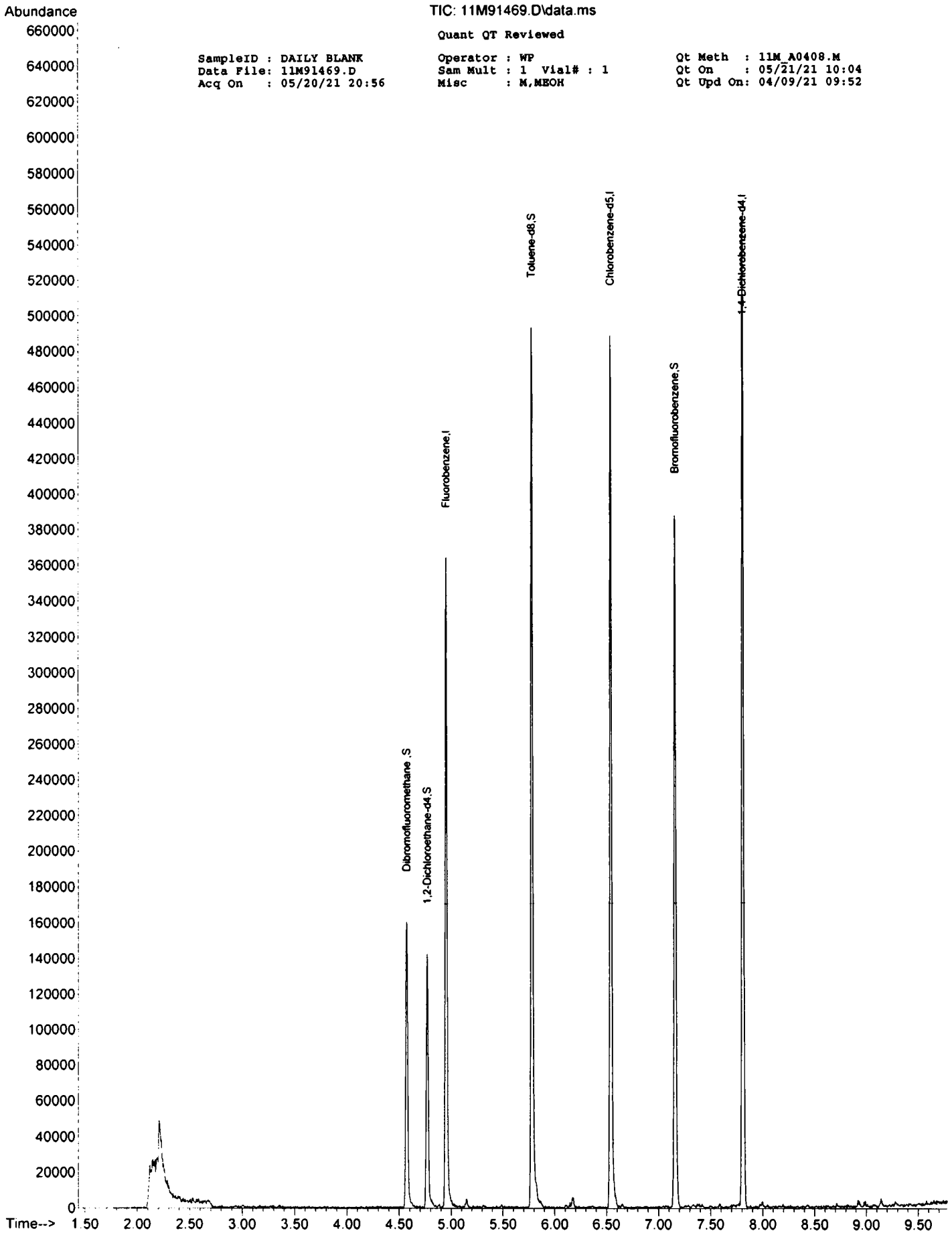
Operator : WP
Sam Mult : 1 Vial# : 1
Misc : M,MEOH

Qt Meth : 11M_A0408.M
Qt On : 05/21/21 10:04
Qt Upd On: 04/09/21 09:52

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-2021\
Qt Path : G:\GcMsData\2021\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.951	96	222259	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.540	117	206404	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.807	152	113152	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.572	111	62257	29.01	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.70%			
39) 1,2-Dichloroethane-d4	4.768	67	31501	33.16	ug/l	0.00
Spiked Amount 30.000			Recovery = 110.53%			
66) Toluene-d8	5.781	98	240215	29.06	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.87%			
76) Bromofluorobenzene	7.160	174	88594	29.99	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.97%			
Target Compounds						Qvalue

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


Abundance
TIC: 11M91469.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 11M91469.D
Acq On : 05/20/21 20:56
Operator : WP
Sam Mult : 1 Vial# : 1
Misc : M,MEOH
Qt Meth : 11M_A0408.M
Qt On : 05/21/21 10:04
Qt Upd On: 04/09/21 09:52
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 6M140157.D
Analysis Date: 05/19/21 10:18
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5g
Final Vol: NA
Dilution: 1.00
Solids: 100

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.00092	0.0020	U	56-23-5	Carbon Tetrachloride	0.00097	0.0020	U
79-34-5	1,1,2,2-Tetrachloroethane	0.00045	0.0020	U	108-90-7	Chlorobenzene	0.00062	0.0020	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0014	0.0020	U	75-00-3	Chloroethane	0.0020	0.0020	U
79-00-5	1,1,2-Trichloroethane	0.00046	0.0020	U	67-66-3	Chloroform	0.0014	0.0020	U
75-34-3	1,1-Dichloroethane	0.00087	0.0020	U	74-87-3	Chloromethane	0.0012	0.0020	U
75-35-4	1,1-Dichloroethene	0.0012	0.0020	U	156-59-2	cis-1,2-Dichloroethene	0.00081	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	0.00055	0.0020	U	10061-01-5	cis-1,3-Dichloropropene	0.00053	0.0020	U
120-82-1	1,2,4-Trichlorobenzene	0.00063	0.0020	U	110-82-7	Cyclohexane	0.0012	0.0020	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.00055	0.0020	U	124-48-1	Dibromochloromethane	0.00043	0.0020	U
106-93-4	1,2-Dibromoethane	0.00049	0.00050	U	75-71-8	Dichlorodifluoromethane	0.0014	0.0020	U
95-50-1	1,2-Dichlorobenzene	0.00051	0.0020	U	100-41-4	Ethylbenzene	0.00069	0.0010	U
107-06-2	1,2-Dichloroethane	0.00041	0.0020	U	98-82-8	Isopropylbenzene	0.00083	0.0010	U
78-87-5	1,2-Dichloropropane	0.00082	0.0020	U	179601-23-1	m&p-Xylenes	0.0012	0.0012	U
541-73-1	1,3-Dichlorobenzene	0.00055	0.0020	U	79-20-9	Methyl Acetate	0.00096	0.0020	U
106-46-7	1,4-Dichlorobenzene	0.00053	0.0020	U	108-87-2	Methylcyclohexane	0.00090	0.0020	U
123-91-1	1,4-Dioxane	0.049	0.10	U	75-09-2	Methylene Chloride	0.00075	0.0020	U
78-93-3	2-Butanone	0.0012	0.0020	U	1634-04-4	Methyl-t-butyl ether	0.00054	0.0010	U
591-78-6	2-Hexanone	0.00085	0.0020	U	95-47-6	o-Xylene	0.00071	0.0010	U
108-10-1	4-Methyl-2-Pentanone	0.00058	0.0020	U	100-42-5	Styrene	0.00055	0.0020	U
67-64-1	Acetone	0.0068	0.010	U	127-18-4	Tetrachloroethene	0.00098	0.0020	U
71-43-2	Benzene	0.00073	0.0010	U	108-88-3	Toluene	0.00066	0.0010	U
74-97-5	Bromochloromethane	0.00070	0.0020	U	156-60-5	trans-1,2-Dichloroethene	0.0012	0.0020	U
75-27-4	Bromodichloromethane	0.00047	0.0020	U	10061-02-6	trans-1,3-Dichloropropene	0.00047	0.0020	U
75-25-2	Bromoform	0.00033	0.0020	U	79-01-6	Trichloroethene	0.00082	0.0020	U
74-83-9	Bromomethane	0.0016	0.0020	U	75-69-4	Trichlorofluoromethane	0.0012	0.0020	U
75-15-0	Carbon Disulfide	0.0034	0.0034	U	75-01-4	Vinyl Chloride	0.0012	0.0020	U

Worksheet #: 593339

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

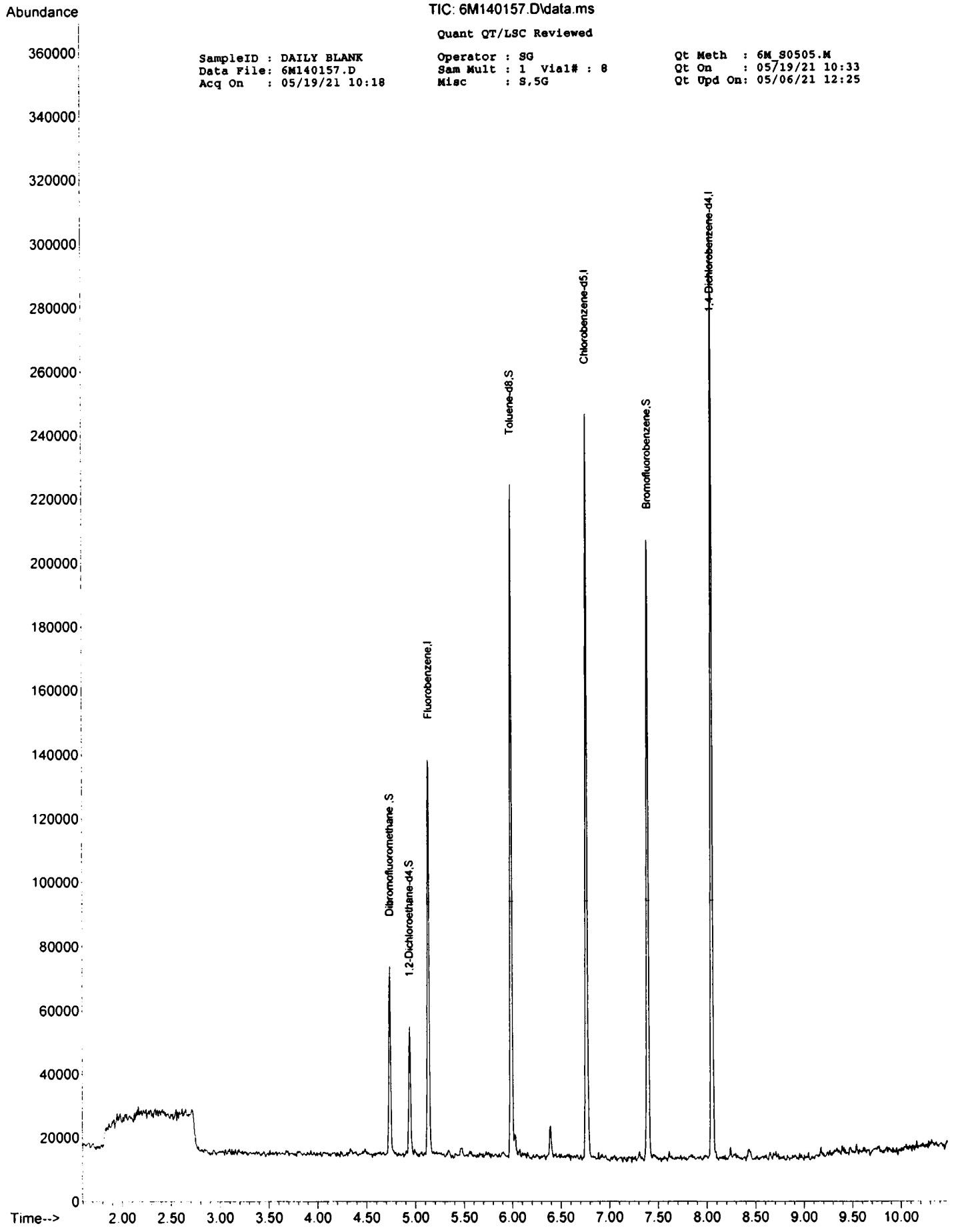
Quantitation Report (QT/LSC Reviewed)

SampleID : DAILY BLANK Operator : SG Qt Meth : 6M_S0505.M
Data File: 6M140157.D Sam Mult : 1 Vial# : 8 Qt On : 05/19/21 10:33
Acq On : 05/19/21 10:18 Misc : S,5G Qt Upd On: 05/06/21 12:25

Data Path : G:\GcMsData\2021\GCMS_6\Data\05-19-21\
Qt Path : G:\GcMsData\2021\GCMS_6\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.135	96	77178	30.00	ug/l	0.01
52) Chlorobenzene-d5	6.763	117	97927	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.050	152	61413	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.739	111	23076	30.03	ug/l	0.01
Spiked Amount 30.000			Recovery = 100.10%			
39) 1,2-Dichloroethane-d4	4.940	67	8371	24.00	ug/l	0.01
Spiked Amount 30.000			Recovery = 80.00%			
66) Toluene-d8	5.989	98	93808	27.37	ug/l	0.00
Spiked Amount 30.000			Recovery = 91.23%			
76) Bromofluorobenzene	7.397	174	46650	28.72	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.73%			
Target Compounds						Qvalue

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


Abundance
TIC: 6M140157.D\data.ms
Quant QT/LSC Reviewed
SampleID : DAILY BLANK
Data File: 6M140157.D
Acq On : 05/19/21 10:18
Operator : SG
Sam Mult : 1 Vial# : 8
Misc : S,5G
Qt Meth : 6M_S0505.M
Qt On : 05/19/21 10:33
Qt Upd On: 05/06/21 12:25
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 8M546917.D
Analysis Date: 05/17/21 21:15
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5g
Final Vol: NA
Dilution: 1.00
Solids: 100

Units: mg/Kg

Cas #	Compound	MDL	RL	Conc	Cas #	Compound	MDL	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.00092	0.0020	U	56-23-5	Carbon Tetrachloride	0.00097	0.0020	U
79-34-5	1,1,2,2-Tetrachloroethane	0.00045	0.0020	U	108-90-7	Chlorobenzene	0.00062	0.0010	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0014	0.0020	U	75-00-3	Chloroethane	0.0020	0.0020	U
79-00-5	1,1,2-Trichloroethane	0.00046	0.0020	U	67-66-3	Chloroform	0.0014	0.0020	U
75-34-3	1,1-Dichloroethane	0.00087	0.0020	U	74-87-3	Chloromethane	0.0012	0.0020	U
75-35-4	1,1-Dichloroethene	0.0012	0.0020	U	156-59-2	cis-1,2-Dichloroethene	0.00081	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	0.00055	0.0020	U	10061-01-5	cis-1,3-Dichloropropene	0.00053	0.0020	U
120-82-1	1,2,4-Trichlorobenzene	0.00063	0.0020	U	110-82-7	Cyclohexane	0.0012	0.0020	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.00055	0.0020	U	124-48-1	Dibromochloromethane	0.00043	0.0020	U
106-93-4	1,2-Dibromoethane	0.00049	0.00050	U	75-71-8	Dichlorodifluoromethane	0.0014	0.0020	U
95-50-1	1,2-Dichlorobenzene	0.00051	0.0020	U	100-41-4	Ethylbenzene	0.00069	0.0010	U
107-06-2	1,2-Dichloroethane	0.00041	0.0020	U	98-82-8	Isopropylbenzene	0.00083	0.0010	U
78-87-5	1,2-Dichloropropane	0.00082	0.0020	U	179601-23-1	m&p-Xylenes	0.0012	0.0012	U
541-73-1	1,3-Dichlorobenzene	0.00055	0.0020	U	79-20-9	Methyl Acetate	0.00096	0.0020	U
106-46-7	1,4-Dichlorobenzene	0.00053	0.0020	U	108-87-2	Methylcyclohexane	0.00090	0.0020	U
123-91-1	1,4-Dioxane	0.049	0.10	U	75-09-2	Methylene Chloride	0.00075	0.0020	U
78-93-3	2-Butanone	0.0012	0.0020	U	1634-04-4	Methyl-t-butyl ether	0.00054	0.0010	U
591-78-6	2-Hexanone	0.00085	0.0020	U	95-47-6	o-Xylene	0.00071	0.0010	U
108-10-1	4-Methyl-2-Pentanone	0.00058	0.0020	U	100-42-5	Styrene	0.00055	0.0020	U
67-64-1	Acetone	0.0068	0.010	U	127-18-4	Tetrachloroethene	0.00098	0.0020	U
71-43-2	Benzene	0.00073	0.0010	U	108-88-3	Toluene	0.00066	0.0010	U
74-97-5	Bromochloromethane	0.00070	0.0020	U	156-60-5	trans-1,2-Dichloroethene	0.0012	0.0020	U
75-27-4	Bromodichloromethane	0.00047	0.0020	U	10061-02-6	trans-1,3-Dichloropropene	0.00047	0.0020	U
75-25-2	Bromoform	0.00033	0.0020	U	79-01-6	Trichloroethene	0.00082	0.0020	U
74-83-9	Bromomethane	0.0016	0.0020	U	75-69-4	Trichlorofluoromethane	0.0012	0.0020	U
75-15-0	Carbon Disulfide	0.0034	0.0034	U	75-01-4	Vinyl Chloride	0.0012	0.0020	U

Worksheet #: 593339

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

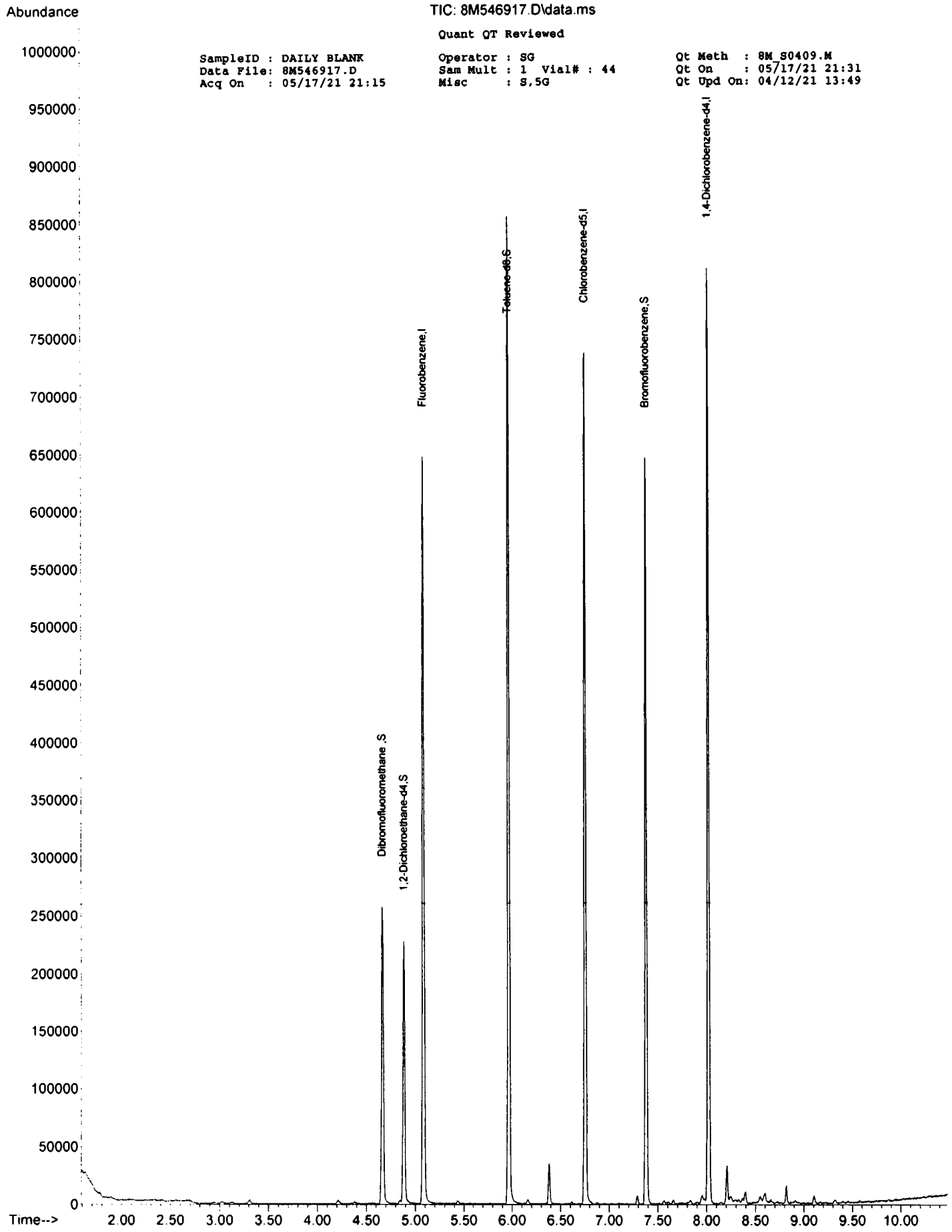
Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK Operator : SG Qt Meth : 8M_S0409.M
Data File: 8M546917.D Sam Mult : 1 Vial# : 44 Qt On : 05/17/21 21:31
Acq On : 05/17/21 21:15 Misc : S,5G Qt Upd On: 04/12/21 13:49

Data Path : G:\GcMsData\2021\GCMS_8\Data\05-1721\
Qt Path : G:\GcMsData\2021\GCMS_8\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.082	96	383999	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.754	117	300904	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.018	152	164297	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.664	111	106461	30.62	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.07%			
39) 1,2-Dichloroethane-d4	4.883	67	53339	32.21	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.37%			
66) Toluene-d8	5.963	98	382107	30.30	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.00%			
76) Bromofluorobenzene	7.378	174	130717	31.01	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.37%			
Target Compounds						Qvalue

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


Abundance
TIC: 8M546917.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 8M546917.D
Acq On : 05/17/21 21:15
Operator : SG
Sam Mult : 1 Vial# : 44
Misc : S,5G
Qt Meth : 8M_S0409.M
Qt On : 05/17/21 21:31
Qt Upd On: 04/12/21 13:49
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

FORM2

Surrogate Recovery

Method: EPA 8260D

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
11M91307.D	DAILY BLANK	M	05/18/21 11:06	1		99	113	94	102		
11M91401.D	DAILY BLANK	M	05/19/21 20:30	1		101	112	97	99		
11M91449.D	DAILY BLANK	M	05/20/21 14:01	1		100	108	96	95		
11M91469.D	DAILY BLANK	M	05/20/21 20:56	1		97	111	97	100		
6M140157.D	DAILY BLANK	S	05/19/21 10:18	1		100	80	91	96		
8M546880.D	DAILY BLANK	S	05/17/21 09:39	1		99	106	101	102		
8M546917.D	DAILY BLANK	S	05/17/21 21:15	1		102	107	101	103		
11M91425.D	AD23414-001(8uL)	M	05/20/21 05:06	1		93	111	97	98		
11M91496.D	AD23414-002(80uL)	M	05/21/21 06:38	1		97	111	96	104		
11M91497.D	AD23414-003(400uL)	M	05/21/21 06:59	1		94	106	93	100		
11M91423.D	AD23414-004	M	05/20/21 04:23	1		95	111	98	99		
6M140159.D	AD23414-005	S	05/19/21 11:00	1		98	89	93	94		
11M91453.D	AD23414-006	M	05/20/21 15:28	1		96	108	98	97		
11M91328.D	AD23414-007	M	05/18/21 18:38	1		99	108	100	99		
8M546942.D	AD23414-008	S	05/18/21 05:11	1		100	107	100	106		
8M546943.D	AD23414-009	S	05/18/21 05:30	1		102	115	100	101		
11M91320.D	AD23397-002(MS)	M	05/18/21 15:47	1		98	109	101	95		
11M91321.D	AD23397-002(MSD)	M	05/18/21 16:08	1		94	109	99	99		
11M91327.D	AD23397-002	M	05/18/21 18:17	1		93	106	99	97		
11M91329.D	MBS92618	M	05/18/21 19:00	1		96	109	103	98		
11M91404.D	MBS92626	M	05/19/21 21:35	1		100	107	100	97		
11M91411.D	AD23438-001	M	05/20/21 00:06	1		95	110	96	98		
11M91415.D	AD23438-001(MS)	M	05/20/21 01:31	1		91	112	97	96		
11M91416.D	AD23438-001(MSD)	M	05/20/21 01:52	1		93	109	98	96		
11M91456.D	MBS93436	M	05/20/21 16:33	1		101	115	99	94		
11M91457.D	AD23438-007(MS)	M	05/20/21 16:54	1		94	102	97	98		
11M91458.D	AD23438-007(MSD)	M	05/20/21 17:15	1		97	112	97	94		
11M91461.D	AD23438-007	M	05/20/21 18:20	1		98	109	97	97		
11M91472.D	MBS93440	M	05/20/21 22:00	1		97	112	101	100		
11M91474.D	AD23491-001(MS)	M	05/20/21 22:43	1		95	104	99	93		
11M91475.D	AD23491-001(MSD)	M	05/20/21 23:04	1		101	108	96	92		
11M91476.D	AD23491-001	M	05/20/21 23:25	1		92	108	97	103		
6M140163.D	AD23353-006(MS)	S	05/19/21 12:23	1		100	88	94	85		
6M140164.D	AD23353-006(MSD)	S	05/19/21 12:44	1		98	90	93	87		
6M140165.D	MBS92624	S	05/19/21 13:05	1		95	87	94	88		
6M140166.D	AD23353-006	S	05/19/21 13:26	1		98	86	91	93		
8M546883.D	MBS92595	S	05/17/21 10:36	1		100	106	103	102		
8M546887.D	AD23401-013	S	05/17/21 11:52	1		99	106	101	105		
8M546919.D	MBS92608	S	05/17/21 21:53	1		100	106	102	104		
8M546920.D	AD23401-013(MS)	S	05/17/21 22:12	1		102	110	101	103		
8M546921.D	AD23401-013(MSD)	S	05/17/21 22:31	1		102	109	100	103		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8260D

Soil Laboratory Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	63-140
S2=1,2-Dichloroethane-d4	30	63-143
S3=Toluene-d8	30	68-122
S4=Bromofluorobenzene	30	64-129

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92595

	Data File	Sample ID:	Analysis Date
Spike or Dup:	8M546883.D	MBS92595	5/17/2021 10:36:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	30.5177	0	50	61	20	130
Dichlorodifluoromethane	1	113.6925	0	50	227*	20	130
Chloromethane	1	64.2648	0	50	129	20	130
Bromomethane	1	59.598	0	50	119	20	130
Vinyl Chloride	1	67.3246	0	50	135*	20	130
Chloroethane	1	58.6285	0	50	117	20	130
Trichlorofluoromethane	1	51.6839	0	50	103	20	130
Ethyl ether	1	44.6714	0	50	89	50	130
Furan	1	33.4731	0	50	67	50	130
1,1,2-Trichloro-1,2,2-trifluoroethane	1	47.8013	0	50	96	50	130
Methylene Chloride	1	53.2174	0	50	106	50	130
Acrolein	1	191.2775	0	200	96	20	130
Acrylonitrile	1	49.9381	0	50	100	20	130
Iodomethane	1	25.5818	0	50	51	50	130
Acetone	1	234.8148	0	200	117	20	130
Carbon Disulfide	1	49.6379	0	50	99	50	130
t-Butyl Alcohol	1	280.8326	0	200	140*	20	130
n-Hexane	1	52.8356	0	50	106	50	130
Di-isopropyl-ether	1	49.2537	0	50	99	50	130
1,1-Dichloroethene	1	56.1885	0	50	112	50	130
Methyl Acetate	1	53.3706	0	50	107	50	130
Methyl-t-butyl ether	1	52.2562	0	50	105	50	130
1,1-Dichloroethane	1	56.1278	0	50	112	50	130
trans-1,2-Dichloroethene	1	52.8313	0	50	106	50	130
Ethyl-t-butyl ether	1	53.7003	0	50	107	50	130
cis-1,2-Dichloroethene	1	56.1525	0	50	112	50	130
Bromochloromethane	1	54.482	0	50	109	50	130
2,2-Dichloropropane	1	57.0043	0	50	114	50	130
Ethyl acetate	1	47.2146	0	50	94	50	130
1,4-Dioxane	1	2345.357	0	2500	94	50	130
1,1-Dichloropropene	1	52.4829	0	50	105	50	130
Chloroform	1	54.5213	0	50	109	50	130
Cyclohexane	1	50.9859	0	50	102	50	130
1,2-Dichloroethane	1	56.5613	0	50	113	50	130
2-Butanone	1	48.1061	0	50	96	20	130
1,1,1-Trichloroethane	1	53.7632	0	50	108	50	130
Carbon Tetrachloride	1	51.678	0	50	103	50	130
Vinyl Acetate	1	45.7202	0	50	91	50	130
Bromodichloromethane	1	56.6444	0	50	113	50	130
Methylcyclohexane	1	48.9163	0	50	98	50	130
Dibromomethane	1	50.937	0	50	102	50	130
1,2-Dichloropropane	1	55.7272	0	50	111	50	130
Trichloroethene	1	49.9023	0	50	100	50	130
Benzene	1	52.8366	0	50	106	50	130
tert-Amyl methyl ether	1	54.0217	0	50	108	50	130
Iso-propylacetate	1	54.1801	0	50	108	50	130
Methyl methacrylate	1	55.467	0	50	111	50	130
Dibromochloromethane	1	56.6917	0	50	113	50	130
2-Chloroethylvinylether	1	107.4024	0	50	215*	50	130
cis-1,3-Dichloropropene	1	59.2389	0	50	118	50	130
trans-1,3-Dichloropropene	1	61.2308	0	50	122	50	130
Ethyl methacrylate	1	55.8119	0	50	112	50	130
1,1,2-Trichloroethane	1	56.8554	0	50	114	50	130
1,2-Dibromoethane	1	55.2192	0	50	110	50	130
1,3-Dichloropropane	1	58.148	0	50	116	50	130
4-Methyl-2-Pentanone	1	54.6851	0	50	109	20	130
2-Hexanone	1	53.764	0	50	108	20	130
Tetrachloroethene	1	48.9703	0	50	98	50	130
Toluene	1	53.7491	0	50	107	50	130
1,1,1,2-Tetrachloroethane	1	53.0464	0	50	106	50	130
Chlorobenzene	1	52.1903	0	50	104	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch:MBS92595

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	64.094	0	50	128	50	130
n-Amyl acetate	1	57.1176	0	50	114	50	130
Bromoform	**1**	**59.2888**	**0**	**50**	**119**	**20**	**130**
Ethylbenzene	**1**	**55.8319**	**0**	**50**	**112**	**50**	**130**
1,1,2,2-Tetrachloroethane	**1**	**59.6078**	**0**	**50**	**119**	**50**	**130**
Styrene	**1**	**57.4233**	**0**	**50**	**115**	**50**	**130**
m&p-Xylenes	**1**	**109.5098**	**0**	**100**	**110**	**50**	**130**
o-Xylene	**1**	**56.4727**	**0**	**50**	**113**	**50**	**130**
trans-1,4-Dichloro-2-butene	1	54.5639	0	50	109	20	130
1,3-Dichlorobenzene	**1**	**51.3661**	**0**	**50**	**103**	**50**	**130**
1,4-Dichlorobenzene	**1**	**52.378**	**0**	**50**	**105**	**50**	**130**
1,2-Dichlorobenzene	**1**	**52.5753**	**0**	**50**	**105**	**50**	**130**
Isopropylbenzene	**1**	**56.3748**	**0**	**50**	**113**	**50**	**130**
Cyclohexanone	1	332.2275	0	250	133*	50	130
Camphene	1	52.6576	0	50	105	50	130
1,2,3-Trichloropropane	1	60.1163	0	50	120	50	130
2-Chlorotoluene	1	56.2953	0	50	113	50	130
p-Ethyltoluene	1	50.4472	0	50	101	50	130
4-Chlorotoluene	1	56.5536	0	50	113	50	130
n-Propylbenzene	1	56.1229	0	50	112	50	130
Bromobenzene	1	58.2455	0	50	116	50	130
1,3,5-Trimethylbenzene	1	57.3506	0	50	115	50	130
Butyl methacrylate	1	55.5066	0	50	111	50	130
t-Butylbenzene	1	53.4262	0	50	107	50	130
1,2,4-Trimethylbenzene	1	55.0434	0	50	110	50	130
sec-Butylbenzene	1	54.0389	0	50	108	50	130
4-Isopropyltoluene	1	52.1258	0	50	104	50	130
n-Butylbenzene	1	55.072	0	50	110	50	130
p-Diethylbenzene	1	51.0359	0	50	102	50	130
1,2,4,5-Tetramethylbenzene	1	51.8182	0	50	104	50	130
1,2-Dibromo-3-Chloropropane	**1**	**57.2246**	**0**	**50**	**114**	**50**	**130**
Camphor	1	550.101	0	500	110	50	130
Hexachlorobutadiene	1	51.3775	0	50	103	50	130
1,2,4-Trichlorobenzene	**1**	**53.2223**	**0**	**50**	**106**	**50**	**130**
1,2,3-Trichlorobenzene	**1**	**54.344**	**0**	**50**	**109**	**50**	**130**
Naphthalene	1	57.7434	0	50	115	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92608

	Data File	Sample ID:	Analysis Date
Spike or Dup:	8M546919.D	MBS92608	5/17/2021 9:53:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	33.8833	0	50	68	20	130
Dichlorodifluoromethane	1	59.0918	0	50	118	20	130
Chloromethane	1	53.1731	0	50	106	20	130
Bromomethane	1	54.933	0	50	110	20	130
Vinyl Chloride	1	56.0688	0	50	112	20	130
Chloroethane	1	53.141	0	50	106	20	130
Trichlorofluoromethane	1	46.471	0	50	93	20	130
Ethyl ether	1	58.6635	0	50	117	50	130
Furan	1	48.903	0	50	98	50	130
1,1,2-Trichloro-1,2,2-trifluoroethane	1	44.9238	0	50	90	50	130
Methylene Chloride	1	50.1007	0	50	100	50	130
Acrolein	1	228.8393	0	200	114	20	130
Acrylonitrile	1	53.1463	0	50	106	20	130
Iodomethane	1	23.1221	0	50	46*	50	130
Acetone	1	269.2263	0	200	135*	20	130
Carbon Disulfide	1	43.5341	0	50	87	50	130
t-Butyl Alcohol	1	293.5283	0	200	147*	20	130
n-Hexane	1	50.3048	0	50	101	50	130
Di-isopropyl-ether	1	50.7118	0	50	101	50	130
1,1-Dichloroethene	1	48.4052	0	50	97	50	130
Methyl Acetate	1	51.9297	0	50	104	50	130
Methyl-t-butyl ether	1	54.7278	0	50	109	50	130
1,1-Dichloroethane	1	51.8459	0	50	104	50	130
trans-1,2-Dichloroethene	1	47.3229	0	50	95	50	130
Ethyl-t-butyl ether	1	57.7816	0	50	116	50	130
cis-1,2-Dichloroethene	1	52.7437	0	50	105	50	130
Bromochloromethane	1	51.153	0	50	102	50	130
2,2-Dichloropropane	1	52.4481	0	50	105	50	130
Ethyl acetate	1	51.2069	0	50	102	50	130
1,4-Dioxane	1	2496.909	0	2500	100	50	130
1,1-Dichloropropene	1	48.4857	0	50	97	50	130
Chloroform	1	50.1826	0	50	100	50	130
Cyclohexane	1	49.4299	0	50	99	50	130
1,2-Dichloroethane	1	53.5941	0	50	107	50	130
2-Butanone	1	53.6007	0	50	107	20	130
1,1,1-Trichloroethane	1	49.636	0	50	99	50	130
Carbon Tetrachloride	1	47.7742	0	50	96	50	130
Vinyl Acetate	1	49.2769	0	50	99	50	130
Bromodichloromethane	1	51.9659	0	50	104	50	130
Methylcyclohexane	1	49.207	0	50	98	50	130
Dibromomethane	1	47.4962	0	50	95	50	130
1,2-Dichloropropane	1	51.6607	0	50	103	50	130
Trichloroethene	1	45.8252	0	50	92	50	130
Benzene	1	49.455	0	50	99	50	130
tert-Amyl methyl ether	1	51.4532	0	50	103	50	130
Iso-propylacetate	1	54.9104	0	50	110	50	130
Methyl methacrylate	1	56.2302	0	50	112	50	130
Dibromochloromethane	1	50.1238	0	50	100	50	130
2-Chloroethylvinylether	1	16.7693	0	50	34*	50	130
cis-1,3-Dichloropropene	1	54.7018	0	50	109	50	130
trans-1,3-Dichloropropene	1	54.2812	0	50	109	50	130
Ethyl methacrylate	1	54.341	0	50	109	50	130
1,1,2-Trichloroethane	1	52.8888	0	50	106	50	130
1,2-Dibromoethane	1	49.2867	0	50	99	50	130
1,3-Dichloropropane	1	53.4532	0	50	107	50	130
4-Methyl-2-Pentanone	1	54.7081	0	50	109	20	130
2-Hexanone	1	55.7518	0	50	112	20	130
Tetrachloroethene	1	45.6323	0	50	91	50	130
Toluene	1	49.9359	0	50	100	50	130
1,1,1,2-Tetrachloroethane	1	48.2395	0	50	96	50	130
Chlorobenzene	1	48.5606	0	50	97	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92608

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	64.7136	0	50	129	50	130
n-Amyl acetate	1	57.5993	0	50	115	50	130
Bromoform	**1**	**55.1102**	**0**	**50**	**110**	**20**	**130**
Ethylbenzene	**1**	**52.3788**	**0**	**50**	**105**	**50**	**130**
1,1,2,2-Tetrachloroethane	**1**	**58.5267**	**0**	**50**	**117**	**50**	**130**
Styrene	**1**	**54.7435**	**0**	**50**	**109**	**50**	**130**
m&p-Xylenes	**1**	**103.3751**	**0**	**100**	**103**	**50**	**130**
o-Xylene	**1**	**53.2392**	**0**	**50**	**106**	**50**	**130**
trans-1,4-Dichloro-2-butene	1	56.2043	0	50	112	20	130
1,3-Dichlorobenzene	**1**	**49.3319**	**0**	**50**	**99**	**50**	**130**
1,4-Dichlorobenzene	**1**	**50.0723**	**0**	**50**	**100**	**50**	**130**
1,2-Dichlorobenzene	**1**	**50.6286**	**0**	**50**	**101**	**50**	**130**
Isopropylbenzene	**1**	**53.8258**	**0**	**50**	**108**	**50**	**130**
Cyclohexanone	1	446.8128	0	250	179*	50	130
Camphene	1	54.7674	0	50	110	50	130
1,2,3-Trichloropropane	1	57.0876	0	50	114	50	130
2-Chlorotoluene	1	54.4284	0	50	109	50	130
p-Ethyltoluene	1	52.6906	0	50	105	50	130
4-Chlorotoluene	1	53.7455	0	50	107	50	130
n-Propylbenzene	1	54.0397	0	50	108	50	130
Bromobenzene	1	55.9711	0	50	112	50	130
1,3,5-Trimethylbenzene	1	54.3543	0	50	109	50	130
Butyl methacrylate	1	55.4089	0	50	111	50	130
t-Butylbenzene	1	51.7057	0	50	103	50	130
1,2,4-Trimethylbenzene	1	52.545	0	50	105	50	130
sec-Butylbenzene	1	53.0166	0	50	106	50	130
4-Isopropyltoluene	1	52.3728	0	50	105	50	130
n-Butylbenzene	1	54.0386	0	50	108	50	130
p-Diethylbenzene	1	53.8585	0	50	108	50	130
1,2,4,5-Tetramethylbenzene	1	56.3311	0	50	113	50	130
1,2-Dibromo-3-Chloropropane	**1**	**54.8033**	**0**	**50**	**110**	**50**	**130**
Camphor	1	565.5163	0	500	113	50	130
Hexachlorobutadiene	1	49.2555	0	50	99	50	130
1,2,4-Trichlorobenzene	**1**	**52.1783**	**0**	**50**	**104**	**50**	**130**
1,2,3-Trichlorobenzene	**1**	**52.6132**	**0**	**50**	**105**	**50**	**130**
Naphthalene	1	55.306	0	50	111	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92618

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91329.D	MBS92618	5/18/2021 7:00:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	14.588	0	20	73	50	150
Dichlorodifluoromethane	1	15.5364	0	20	78	50	150
Chloromethane	1	17.1457	0	20	86	50	150
Bromomethane	1	25.7994	0	20	129	50	150
Vinyl Chloride	1	15.9986	0	20	80	50	150
Chloroethane	1	28.9124	0	20	145	50	150
Trichlorofluoromethane	1	18.0281	0	20	90	50	150
Ethyl ether	1	22.926	0	20	115	50	150
Furan	1	19.8345	0	20	99	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	18.7445	0	20	94	50	150
Methylene Chloride	1	21.2322	0	20	106	70	130
Acrolein	1	130.4791	0	100	130	50	150
Acrylonitrile	1	30.1502	0	20	151*	50	150
Iodomethane	1	15.6377	0	20	78	50	150
Acetone	1	163.1327	0	100	163*	50	150
Carbon Disulfide	1	14.7636	0	20	74	50	150
t-Butyl Alcohol	1	85.9529	0	100	86	50	150
n-Hexane	1	21.2503	0	20	106	70	130
Di-isopropyl-ether	1	25.0257	0	20	125	70	130
1,1-Dichloroethene	1	17.6456	0	20	88	70	130
Methyl Acetate	1	33.5924	0	20	168*	50	150
Methyl-t-butyl ether	1	27.3391	0	20	137*	70	130
1,1-Dichloroethane	1	19.4746	0	20	97	70	130
trans-1,2-Dichloroethene	1	18.2923	0	20	91	70	130
Ethyl-t-butyl ether	1	22.2623	0	20	111	70	130
cis-1,2-Dichloroethene	1	19.4097	0	20	97	70	130
Bromochloromethane	1	21.1922	0	20	106	70	130
2,2-Dichloropropane	1	16.8883	0	20	84	70	130
Ethyl acetate	1	20.1567	0	20	101	50	150
1,4-Dioxane	1	1082.1	0	1000	108	50	150
1,1-Dichloropropene	1	17.6476	0	20	88	70	130
Chloroform	1	19.5274	0	20	98	70	130
Cyclohexane	1	20.665	0	20	103	70	130
1,2-Dichloroethane	1	19.6368	0	20	98	70	130
2-Butanone	1	22.2308	0	20	111	50	150
1,1,1-Trichloroethane	1	17.0518	0	20	85	70	130
Carbon Tetrachloride	1	16.0742	0	20	80	50	150
Vinyl Acetate	1	17.5961	0	20	88	50	150
Bromodichloromethane	1	18.6486	0	20	93	70	130
Methylcyclohexane	1	18.1788	0	20	91	70	130
Dibromomethane	1	19.2567	0	20	96	70	130
1,2-Dichloropropane	1	20.5148	0	20	103	70	130
Trichloroethene	1	20.0224	0	20	100	70	130
Benzene	1	18.9859	0	20	95	70	130
tert-Amyl methyl ether	1	20.8601	0	20	104	70	130
Iso-propylacetate	1	22.0802	0	20	110	70	130
Methyl methacrylate	1	21.4566	0	20	107	70	130
Dibromochloromethane	1	20.7129	0	20	104	70	130
2-Chloroethylvinylether	1	5.7774	0	20	29*	70	130
cis-1,3-Dichloropropene	1	20.9721	0	20	105	70	130
trans-1,3-Dichloropropene	1	20.2803	0	20	101	70	130
Ethyl methacrylate	1	20.8842	0	20	104	70	130
1,1,2-Trichloroethane	1	22.0775	0	20	110	70	130
1,2-Dibromoethane	1	22.0414	0	20	110	70	130
1,3-Dichloropropane	1	21.9338	0	20	110	70	130
4-Methyl-2-Pentanone	1	22.7258	0	20	114	50	150
2-Hexanone	1	20.6249	0	20	103	50	150
Tetrachloroethene	1	16.5323	0	20	83	50	150
Toluene	1	23.3376	0	20	117	70	130
1,1,1,2-Tetrachloroethane	1	19.1035	0	20	96	70	130
Chlorobenzene	1	23.6772	0	20	118	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92618

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	19.7779	0	20	99	70	130
n-Amyl acetate	1	16.815	0	20	84	70	130
Bromoform	1	17.8072	0	20	89	70	130
Ethylbenzene	1	17.0591	0	20	85	70	130
1,1,2,2-Tetrachloroethane	1	21.3575	0	20	107	70	130
Styrene	1	17.631	0	20	88	70	130
m&p-Xylenes	1	36.5966	0	40	91	70	130
o-Xylene	1	17.5382	0	20	88	70	130
trans-1,4-Dichloro-2-butene	1	16.6894	0	20	83	50	150
1,3-Dichlorobenzene	1	18.4923	0	20	92	70	130
1,4-Dichlorobenzene	1	19.1711	0	20	96	70	130
1,2-Dichlorobenzene	1	19.6767	0	20	98	70	130
Isopropylbenzene	1	18.3922	0	20	92	70	130
Cyclohexanone	1	158.1177	0	100	158*	50	150
Camphene	1	16.8562	0	20	84	70	130
1,2,3-Trichloropropane	1	19.4212	0	20	97	70	130
2-Chlorotoluene	1	17.814	0	20	89	70	130
p-Ethyltoluene	1	19.3238	0	20	97	70	130
4-Chlorotoluene	1	18.4454	0	20	92	70	130
n-Propylbenzene	1	18.5761	0	20	93	70	130
Bromobenzene	1	18.8214	0	20	94	70	130
1,3,5-Trimethylbenzene	1	14.6411	0	20	73	70	130
Butyl methacrylate	1	19.4852	0	20	97	70	130
t-Butylbenzene	1	17.6935	0	20	88	70	130
1,2,4-Trimethylbenzene	1	18.8246	0	20	94	70	130
sec-Butylbenzene	1	18.1908	0	20	91	70	130
4-Isopropyltoluene	1	18.0311	0	20	90	70	130
n-Butylbenzene	1	18.0745	0	20	90	70	130
p-Diethylbenzene	1	18.176	0	20	91	70	130
1,2,4,5-Tetramethylbenzene	1	20.9229	0	20	105	70	130
1,2-Dibromo-3-Chloropropane	1	19.7573	0	20	99	50	150
Camphor	1	169.7202	0	200	85	20	150
Hexachlorobutadiene	1	19.3615	0	20	97	50	150
1,2,4-Trichlorobenzene	1	22.1933	0	20	111	70	130
1,2,3-Trichlorobenzene	1	28.0116	0	20	140*	70	130
Naphthalene	1	28.2938	0	20	141	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92624

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M140165.D	MBS92624	5/19/2021 1:05:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	48.9945	0	50	98	20	130
Dichlorodifluoromethane	1	33.7324	0	50	67	20	130
Chloromethane	1	33.6468	0	50	67	20	130
Bromomethane	1	36.3175	0	50	73	20	130
Vinyl Chloride	1	44.0716	0	50	88	20	130
Chloroethane	1	42.0118	0	50	84	20	130
Trichlorofluoromethane	1	69.4846	0	50	139*	20	130
Ethyl ether	1	36.5872	0	50	73	50	130
Furan	1	50.0378	0	50	100	50	130
1,1,2-Trichloro-1,2,2-trifluoroethane	1	104.5701	0	50	209*	50	130
Methylene Chloride	1	47.5014	0	50	95	50	130
Acrolein	1	191.5376	0	200	96	20	130
Acrylonitrile	1	41.9644	0	50	84	20	130
Iodomethane	1	45.3277	0	50	91	50	130
Acetone	1	224.1101	0	200	112	20	130
Carbon Disulfide	1	45.7442	0	50	91	50	130
t-Butyl Alcohol	1	230.3806	0	200	115	20	130
n-Hexane	1	221.3963	0	50	443*	50	130
Di-isopropyl-ether	1	56.4276	0	50	113	50	130
1,1-Dichloroethene	1	45.3438	0	50	91	50	130
Methyl Acetate	1	48.131	0	50	96	50	130
Methyl-t-butyl ether	1	43.6359	0	50	87	50	130
1,1-Dichloroethane	1	49.2385	0	50	98	50	130
trans-1,2-Dichloroethene	1	53.4713	0	50	107	50	130
Ethyl-t-butyl ether	1	49.4531	0	50	99	50	130
cis-1,2-Dichloroethene	1	46.3149	0	50	93	50	130
Bromochloromethane	1	48.9323	0	50	98	50	130
2,2-Dichloropropane	1	56.4471	0	50	113	50	130
Ethyl acetate	1	48.9239	0	50	98	50	130
1,4-Dioxane	1	2596.841	0	2500	104	50	130
1,1-Dichloropropene	1	62.3783	0	50	125	50	130
Chloroform	1	48.7935	0	50	98	50	130
Cyclohexane	1	95.3608	0	50	191*	50	130
1,2-Dichloroethane	1	40.8062	0	50	82	50	130
2-Butanone	1	64.4552	0	50	129	20	130
1,1,1-Trichloroethane	1	54.6039	0	50	109	50	130
Carbon Tetrachloride	1	51.4461	0	50	103	50	130
Vinyl Acetate	1	56.841	0	50	114	50	130
Bromodichloromethane	1	48.585	0	50	97	50	130
Methylcyclohexane	1	119.0316	0	50	238*	50	130
Dibromomethane	1	52.3974	0	50	105	50	130
1,2-Dichloropropane	1	52.9913	0	50	106	50	130
Trichloroethene	1	57.8093	0	50	116	50	130
Benzene	1	53.6129	0	50	107	50	130
tert-Amyl methyl ether	1	55.0908	0	50	110	50	130
Iso-propylacetate	1	48.6408	0	50	97	50	130
Methyl methacrylate	1	50.4639	0	50	101	50	130
Dibromochloromethane	1	43.2171	0	50	86	50	130
2-Chloroethylvinylether	1	52.9587	0	50	106	50	130
cis-1,3-Dichloropropene	1	46.5874	0	50	93	50	130
trans-1,3-Dichloropropene	1	44.248	0	50	88	50	130
Ethyl methacrylate	1	54.7517	0	50	110	50	130
1,1,2-Trichloroethane	1	40.8741	0	50	82	50	130
1,2-Dibromoethane	1	50.395	0	50	101	50	130
1,3-Dichloropropane	1	39.7488	0	50	79	50	130
4-Methyl-2-Pentanone	1	50.5895	0	50	101	20	130
2-Hexanone	1	51.7589	0	50	104	20	130
Tetrachloroethene	1	48.2601	0	50	97	50	130
Toluene	1	49.9215	0	50	100	50	130
1,1,1,2-Tetrachloroethane	1	51.974	0	50	104	50	130
Chlorobenzene	1	43.6187	0	50	87	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92624

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	46.3619	0	50	93	50	130
n-Amyl acetate	1	51.6912	0	50	103	50	130
Bromoform	**1**	**38.3691**	**0**	**50**	**77**	**20**	**130**
Ethylbenzene	**1**	**48.3248**	**0**	**50**	**97**	**50**	**130**
1,1,2,2-Tetrachloroethane	**1**	**39.1154**	**0**	**50**	**78**	**50**	**130**
Styrene	**1**	**47.8962**	**0**	**50**	**96**	**50**	**130**
m&p-Xylenes	**1**	**77.563**	**0**	**100**	**78**	**50**	**130**
o-Xylene	**1**	**46.8706**	**0**	**50**	**94**	**50**	**130**
trans-1,4-Dichloro-2-butene	1	49.7699	0	50	100	20	130
1,3-Dichlorobenzene	**1**	**40.4445**	**0**	**50**	**81**	**50**	**130**
1,4-Dichlorobenzene	**1**	**38.7989**	**0**	**50**	**78**	**50**	**130**
1,2-Dichlorobenzene	**1**	**41.5426**	**0**	**50**	**83**	**50**	**130**
Isopropylbenzene	**1**	**50.0651**	**0**	**50**	**100**	**50**	**130**
Cyclohexanone	1	378.0846	0	250	151*	50	130
Camphene	1	61.344	0	50	123	50	130
1,2,3-Trichloropropane	1	34.8667	0	50	70	50	130
2-Chlorotoluene	1	45.9636	0	50	92	50	130
p-Ethyltoluene	1	44.8662	0	50	90	50	130
4-Chlorotoluene	1	42.3582	0	50	85	50	130
n-Propylbenzene	1	51.1163	0	50	102	50	130
Bromobenzene	1	46.3025	0	50	93	50	130
1,3,5-Trimethylbenzene	1	37.4188	0	50	75	50	130
Butyl methacrylate	1	44.5329	0	50	89	50	130
t-Butylbenzene	1	47.2548	0	50	95	50	130
1,2,4-Trimethylbenzene	1	42.3903	0	50	85	50	130
sec-Butylbenzene	1	46.9256	0	50	94	50	130
4-Isopropyltoluene	1	45.8952	0	50	92	50	130
n-Butylbenzene	1	48.023	0	50	96	50	130
p-Diethylbenzene	1	48.9235	0	50	98	50	130
1,2,4,5-Tetramethylbenzene	1	53.0775	0	50	106	50	130
1,2-Dibromo-3-Chloropropane	**1**	**48.7359**	**0**	**50**	**97**	**50**	**130**
Camphor	1	490.7978	0	500	98	50	130
Hexachlorobutadiene	1	55.5736	0	50	111	50	130
1,2,4-Trichlorobenzene	**1**	**45.9493**	**0**	**50**	**92**	**50**	**130**
1,2,3-Trichlorobenzene	**1**	**43.2499**	**0**	**50**	**86**	**50**	**130**
Naphthalene	1	47.5443	0	50	95	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92626

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91404.D	MBS92626	5/19/2021 9:35:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	29.1634	0	20	146	50	150
Dichlorodifluoromethane	1	17.8792	0	20	89	50	150
Chloromethane	1	17.8339	0	20	89	50	150
Bromomethane	1	10.7658	0	20	54	50	150
Vinyl Chloride	1	17.5518	0	20	88	50	150
Chloroethane	1	52.6849	0	20	263*	50	150
Trichlorofluoromethane	1	23.5466	0	20	118	50	150
Ethyl ether	1	24.559	0	20	123	50	150
Furan	1	21.4822	0	20	107	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	21.6488	0	20	108	50	150
Methylene Chloride	1	22.1966	0	20	111	70	130
Acrolein	1	118.9524	0	100	119	50	150
Acrylonitrile	1	32.0489	0	20	160*	50	150
Iodomethane	1	16.4223	0	20	82	50	150
Acetone	1	154.9491	0	100	155*	50	150
Carbon Disulfide	1	17.6865	0	20	88	50	150
t-Butyl Alcohol	1	78.6602	0	100	79	50	150
n-Hexane	1	25.0877	0	20	125	70	130
Di-isopropyl-ether	1	25.5749	0	20	128	70	130
1,1-Dichloroethene	1	20.7162	0	20	104	70	130
Methyl Acetate	1	33.0173	0	20	165*	50	150
Methyl-t-butyl ether	1	26.7298	0	20	134*	70	130
1,1-Dichloroethane	1	20.2007	0	20	101	70	130
trans-1,2-Dichloroethene	1	20.0264	0	20	100	70	130
Ethyl-t-butyl ether	1	22.0772	0	20	110	70	130
cis-1,2-Dichloroethene	1	20.4425	0	20	102	70	130
Bromochloromethane	1	21.3483	0	20	107	70	130
2,2-Dichloropropane	1	19.5301	0	20	98	70	130
Ethyl acetate	1	24.5245	0	20	123	50	150
1,4-Dioxane	1	851.9682	0	1000	85	50	150
1,1-Dichloropropene	1	19.8391	0	20	99	70	130
Chloroform	1	20.9493	0	20	105	70	130
Cyclohexane	1	22.9947	0	20	115	70	130
1,2-Dichloroethane	1	19.0964	0	20	95	70	130
2-Butanone	1	26.2296	0	20	131	50	150
1,1,1-Trichloroethane	1	19.034	0	20	95	70	130
Carbon Tetrachloride	1	18.1206	0	20	91	50	150
Vinyl Acetate	1	17.3357	0	20	87	50	150
Bromodichloromethane	1	19.6773	0	20	98	70	130
Methylcyclohexane	1	20.6127	0	20	103	70	130
Dibromomethane	1	19.5749	0	20	98	70	130
1,2-Dichloropropane	1	20.9656	0	20	105	70	130
Trichloroethene	1	19.5842	0	20	98	70	130
Benzene	1	20.217	0	20	101	70	130
tert-Amyl methyl ether	1	19.1418	0	20	96	70	130
Iso-propylacetate	1	19.4209	0	20	97	70	130
Methyl methacrylate	1	18.2126	0	20	91	70	130
Dibromochloromethane	1	18.3416	0	20	92	70	130
2-Chloroethylvinylether	1	5.3414	0	20	27*	70	130
cis-1,3-Dichloropropene	1	20.715	0	20	104	70	130
trans-1,3-Dichloropropene	1	20.0123	0	20	100	70	130
Ethyl methacrylate	1	19.6356	0	20	98	70	130
1,1,2-Trichloroethane	1	20.2785	0	20	101	70	130
1,2-Dibromoethane	1	20.2444	0	20	101	70	130
1,3-Dichloropropane	1	20.8837	0	20	104	70	130
4-Methyl-2-Pentanone	1	20.3465	0	20	102	50	150
2-Hexanone	1	19.5088	0	20	98	50	150
Tetrachloroethene	1	17.9853	0	20	90	50	150
Toluene	1	20.6567	0	20	103	70	130
1,1,1,2-Tetrachloroethane	1	18.3825	0	20	92	70	130
Chlorobenzene	1	20.3654	0	20	102	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92626

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	18.6248	0	20	93	70	130
n-Amyl acetate	1	16.092	0	20	80	70	130
Bromoform	1	17.7325	0	20	89	70	130
Ethylbenzene	1	16.4975	0	20	82	70	130
1,1,2,2-Tetrachloroethane	1	20.3262	0	20	102	70	130
Styrene	1	18.7246	0	20	94	70	130
m&p-Xylenes	1	40.702	0	40	102	70	130
o-Xylene	1	18.2165	0	20	91	70	130
trans-1,4-Dichloro-2-butene	1	15.3926	0	20	77	50	150
1,3-Dichlorobenzene	1	18.9834	0	20	95	70	130
1,4-Dichlorobenzene	1	19.8555	0	20	99	70	130
1,2-Dichlorobenzene	1	20.3397	0	20	102	70	130
Isopropylbenzene	1	19.0203	0	20	95	70	130
Cyclohexanone	1	144.2056	0	100	144	50	150
Camphene	1	18.4128	0	20	92	70	130
1,2,3-Trichloropropane	1	17.6645	0	20	88	70	130
2-Chlorotoluene	1	18.7177	0	20	94	70	130
p-Ethyltoluene	1	19.2061	0	20	96	70	130
4-Chlorotoluene	1	19.7927	0	20	99	70	130
n-Propylbenzene	1	19.6895	0	20	98	70	130
Bromobenzene	1	19.1882	0	20	96	70	130
1,3,5-Trimethylbenzene	1	16.3514	0	20	82	70	130
Butyl methacrylate	1	18.5671	0	20	93	70	130
t-Butylbenzene	1	19.4335	0	20	97	70	130
1,2,4-Trimethylbenzene	1	19.8248	0	20	99	70	130
sec-Butylbenzene	1	19.5736	0	20	98	70	130
4-Isopropyltoluene	1	19.8488	0	20	99	70	130
n-Butylbenzene	1	18.2996	0	20	91	70	130
p-Diethylbenzene	1	17.5978	0	20	88	70	130
1,2,4,5-Tetramethylbenzene	1	23.5478	0	20	118	70	130
1,2-Dibromo-3-Chloropropane	1	18.0133	0	20	90	50	150
Camphor	1	165.8775	0	200	83	20	150
Hexachlorobutadiene	1	21.1537	0	20	106	50	150
1,2,4-Trichlorobenzene	1	24.4544	0	20	122	70	130
1,2,3-Trichlorobenzene	1	31.0171	0	20	155*	70	130
Naphthalene	1	29.5349	0	20	148	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93436

Data File | Sample ID: | Analysis Date

Spike or Dup: 11M91456.D | MBS93436 | 5/20/2021 4:33:00 PM

Non Spike(If applicable):

Inst Blank(If applicable):

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	21.3743	0	20	107	50	150
Dichlorodifluoromethane	1	14.4599	0	20	72	50	150
Chloromethane	1	17.3736	0	20	87	50	150
Bromomethane	1	20.4903	0	20	102	50	150
Vinyl Chloride	1	16.786	0	20	84	50	150
Chloroethane	1	26.6676	0	20	133	50	150
Trichlorofluoromethane	1	18.0307	0	20	90	50	150
Ethyl ether	1	24.999	0	20	125	50	150
Furan	1	21.6605	0	20	108	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	21.2449	0	20	106	50	150
Methylene Chloride	1	23.5794	0	20	118	70	130
Acrolein	1	132.5328	0	100	133	50	150
Acrylonitrile	1	36.5121	0	20	183*	50	150
Iodomethane	1	18.7468	0	20	94	50	150
Acetone	1	167.6679	0	100	168*	50	150
Carbon Disulfide	1	16.4004	0	20	82	50	150
t-Butyl Alcohol	1	100.0526	0	100	100	50	150
n-Hexane	1	22.6283	0	20	113	70	130
Di-isopropyl-ether	1	28.0272	0	20	140*	70	130
1,1-Dichloroethene	1	19.4624	0	20	97	70	130
Methyl Acetate	1	37.973	0	20	190*	50	150
Methyl-t-butyl ether	1	31.4319	0	20	157*	70	130
1,1-Dichloroethane	1	21.9291	0	20	110	70	130
trans-1,2-Dichloroethene	1	20.5408	0	20	103	70	130
Ethyl-t-butyl ether	1	24.1621	0	20	121	70	130
cis-1,2-Dichloroethene	1	21.9995	0	20	110	70	130
Bromochloromethane	1	23.6795	0	20	118	70	130
2,2-Dichloropropane	1	20.2515	0	20	101	70	130
Ethyl acetate	1	26.3309	0	20	132	50	150
1,4-Dioxane	1	1030.86	0	1000	103	50	150
1,1-Dichloropropene	1	20.2294	0	20	101	70	130
Chloroform	1	21.3089	0	20	107	70	130
Cyclohexane	1	23.1542	0	20	116	70	130
1,2-Dichloroethane	1	21.8437	0	20	109	70	130
2-Butanone	1	19.1691	0	20	96	50	150
1,1,1-Trichloroethane	1	19.758	0	20	99	70	130
Carbon Tetrachloride	1	17.8406	0	20	89	50	150
Vinyl Acetate	1	23.5551	0	20	118	50	150
Bromodichloromethane	1	22.1442	0	20	111	70	130
Methylcyclohexane	1	21.3177	0	20	107	70	130
Dibromomethane	1	23.3132	0	20	117	70	130
1,2-Dichloropropane	1	22.2953	0	20	111	70	130
Trichloroethene	1	20.7052	0	20	104	70	130
Benzene	1	21.2841	0	20	106	70	130
tert-Amyl methyl ether	1	22.6158	0	20	113	70	130
Iso-propylacetate	1	24.6836	0	20	123	70	130
Methyl methacrylate	1	23.0077	0	20	115	70	130
Dibromochloromethane	1	21.7278	0	20	109	70	130
2-Chloroethylvinylether	1	7.5061	0	20	38*	70	130
cis-1,3-Dichloropropene	1	23.5457	0	20	118	70	130
trans-1,3-Dichloropropene	1	23.2011	0	20	116	70	130
Ethyl methacrylate	1	22.9971	0	20	115	70	130
1,1,2-Trichloroethane	1	23.7346	0	20	119	70	130
1,2-Dibromoethane	1	24.1222	0	20	121	70	130
1,3-Dichloropropane	1	22.4879	0	20	112	70	130
4-Methyl-2-Pentanone	1	25.0906	0	20	125	50	150
2-Hexanone	1	22.7427	0	20	114	50	150
Tetrachloroethene	1	18.205	0	20	91	50	150
Toluene	1	22.2783	0	20	111	70	130
1,1,1,2-Tetrachloroethane	1	20.119	0	20	101	70	130
Chlorobenzene	1	22.2485	0	20	111	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93436

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	21.2943	0	20	106	70	130
n-Amyl acetate	1	18.4252	0	20	92	70	130
Bromoform	1	18.6462	0	20	93	70	130
Ethylbenzene	1	16.5736	0	20	83	70	130
1,1,2,2-Tetrachloroethane	1	22.1872	0	20	111	70	130
Styrene	1	18.198	0	20	91	70	130
m&p-Xylenes	1	37.4237	0	40	94	70	130
o-Xylene	1	17.4208	0	20	87	70	130
trans-1,4-Dichloro-2-butene	1	19.4077	0	20	97	50	150
1,3-Dichlorobenzene	1	19.115	0	20	96	70	130
1,4-Dichlorobenzene	1	19.4029	0	20	97	70	130
1,2-Dichlorobenzene	1	20.5951	0	20	103	70	130
Isopropylbenzene	1	18.2886	0	20	91	70	130
Cyclohexanone	1	140.7863	0	100	141	50	150
Camphene	1	19.0927	0	20	95	70	130
1,2,3-Trichloropropane	1	20.0653	0	20	100	70	130
2-Chlorotoluene	1	17.869	0	20	89	70	130
p-Ethyltoluene	1	18.7583	0	20	94	70	130
4-Chlorotoluene	1	19.582	0	20	98	70	130
n-Propylbenzene	1	18.6412	0	20	93	70	130
Bromobenzene	1	19.5899	0	20	98	70	130
1,3,5-Trimethylbenzene	1	15.4506	0	20	77	70	130
Butyl methacrylate	1	20.9394	0	20	105	70	130
t-Butylbenzene	1	18.8086	0	20	94	70	130
1,2,4-Trimethylbenzene	1	19.1501	0	20	96	70	130
sec-Butylbenzene	1	18.8941	0	20	94	70	130
4-Isopropyltoluene	1	19.6462	0	20	98	70	130
n-Butylbenzene	1	19.5487	0	20	98	70	130
p-Diethylbenzene	1	19.8471	0	20	99	70	130
1,2,4,5-Tetramethylbenzene	1	23.9182	0	20	120	70	130
1,2-Dibromo-3-Chloropropane	1	21.8727	0	20	109	50	150
Camphor	1	197.1499	0	200	99	20	150
Hexachlorobutadiene	1	22.1642	0	20	111	50	150
1,2,4-Trichlorobenzene	1	24.4372	0	20	122	70	130
1,2,3-Trichlorobenzene	1	31.5053	0	20	158*	70	130
Naphthalene	1	33.6954	0	20	168*	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93440

Data File | Sample ID: | Analysis Date
Spike or Dup: 11M91472.D | MBS93440 | 5/20/2021 10:00:00 PM
Non Spike(If applicable):
Inst Blank(If applicable):

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	28.3415	0	20	142	50	150
Dichlorodifluoromethane	1	7.8511	0	20	39*	50	150
Chloromethane	1	11.9257	0	20	60	50	150
Bromomethane	1	18.2182	0	20	91	50	150
Vinyl Chloride	1	13.4858	0	20	67	50	150
Chloroethane	1	39.0285	0	20	195*	50	150
Trichlorofluoromethane	1	18.9876	0	20	95	50	150
Ethyl ether	1	27.2833	0	20	136	50	150
Furan	1	22.8123	0	20	114	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	21.5119	0	20	108	50	150
Methylene Chloride	1	24.707	0	20	124	70	130
Acrolein	1	120.0938	0	100	120	50	150
Acrylonitrile	1	30.6133	0	20	153*	50	150
Iodomethane	1	12.979	0	20	65	50	150
Acetone	1	143.4601	0	100	143	50	150
Carbon Disulfide	1	18.1615	0	20	91	50	150
t-Butyl Alcohol	1	86.0505	0	100	86	50	150
n-Hexane	1	21.2073	0	20	106	70	130
Di-isopropyl-ether	1	27.2519	0	20	136*	70	130
1,1-Dichloroethene	1	20.788	0	20	104	70	130
Methyl Acetate	1	30.9124	0	20	155*	50	150
Methyl-t-butyl ether	1	28.019	0	20	140*	70	130
1,1-Dichloroethane	1	22.9548	0	20	115	70	130
trans-1,2-Dichloroethene	1	22.0791	0	20	110	70	130
Ethyl-t-butyl ether	1	26.6883	0	20	133*	70	130
cis-1,2-Dichloroethene	1	22.9868	0	20	115	70	130
Bromochloromethane	1	25.553	0	20	128	70	130
2,2-Dichloropropane	1	24.408	0	20	122	70	130
Ethyl acetate	1	24.9987	0	20	125	50	150
1,4-Dioxane	1	742.8537	0	1000	74	50	150
1,1-Dichloropropene	1	23.2124	0	20	116	70	130
Chloroform	1	23.8219	0	20	119	70	130
Cyclohexane	1	22.8607	0	20	114	70	130
1,2-Dichloroethane	1	22.6698	0	20	113	70	130
2-Butanone	1	22.92	0	20	115	50	150
1,1,1-Trichloroethane	1	22.0791	0	20	110	70	130
Carbon Tetrachloride	1	19.9986	0	20	100	50	150
Vinyl Acetate	1	23.4398	0	20	117	50	150
Bromodichloromethane	1	24.3819	0	20	122	70	130
Methylcyclohexane	1	22.2216	0	20	111	70	130
Dibromomethane	1	22.7297	0	20	114	70	130
1,2-Dichloropropane	1	24.5983	0	20	123	70	130
Trichloroethene	1	23.134	0	20	116	70	130
Benzene	1	23.2508	0	20	116	70	130
tert-Amyl methyl ether	1	22.7757	0	20	114	70	130
Iso-propylacetate	1	23.8853	0	20	119	70	130
Methyl methacrylate	1	22.5318	0	20	113	70	130
Dibromochloromethane	1	23.0353	0	20	115	70	130
2-Chloroethylvinylether	1	9.1887	0	20	46*	70	130
cis-1,3-Dichloropropene	1	24.67	0	20	123	70	130
trans-1,3-Dichloropropene	1	24.7071	0	20	124	70	130
Ethyl methacrylate	1	24.6209	0	20	123	70	130
1,1,2-Trichloroethane	1	25.6318	0	20	128	70	130
1,2-Dibromoethane	1	25.3936	0	20	127	70	130
1,3-Dichloropropane	1	23.9061	0	20	120	70	130
4-Methyl-2-Pentanone	1	23.6507	0	20	118	50	150
2-Hexanone	1	20.3395	0	20	102	50	150
Tetrachloroethene	1	21.5307	0	20	108	50	150
Toluene	1	23.8728	0	20	119	70	130
1,1,1,2-Tetrachloroethane	1	22.3828	0	20	112	70	130
Chlorobenzene	1	25.0879	0	20	125	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93440

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	22.151	0	20	111	70	130
n-Amyl acetate	1	18.4851	0	20	92	70	130
Bromoform	1	20.5098	0	20	103	70	130
Ethylbenzene	1	20.8942	0	20	104	70	130
1,1,2,2-Tetrachloroethane	1	22.8886	0	20	114	70	130
Styrene	1	20.9527	0	20	105	70	130
m&p-Xylenes	1	46.8494	0	40	117	70	130
o-Xylene	1	20.9347	0	20	105	70	130
trans-1,4-Dichloro-2-butene	1	21.195	0	20	106	50	150
1,3-Dichlorobenzene	1	22.221	0	20	111	70	130
1,4-Dichlorobenzene	1	22.9903	0	20	115	70	130
1,2-Dichlorobenzene	1	23.157	0	20	116	70	130
Isopropylbenzene	1	21.4268	0	20	107	70	130
Cyclohexanone	1	138.6775	0	100	139	50	150
Camphene	1	21.7114	0	20	109	70	130
1,2,3-Trichloropropane	1	21.5543	0	20	108	70	130
2-Chlorotoluene	1	21.6739	0	20	108	70	130
p-Ethyltoluene	1	21.9695	0	20	110	70	130
4-Chlorotoluene	1	21.9699	0	20	110	70	130
n-Propylbenzene	1	22.2954	0	20	111	70	130
Bromobenzene	1	21.8924	0	20	109	70	130
1,3,5-Trimethylbenzene	1	18.5331	0	20	93	70	130
Butyl methacrylate	1	22.8053	0	20	114	70	130
t-Butylbenzene	1	21.9606	0	20	110	70	130
1,2,4-Trimethylbenzene	1	22.3154	0	20	112	70	130
sec-Butylbenzene	1	22.6847	0	20	113	70	130
4-Isopropyltoluene	1	22.3675	0	20	112	70	130
n-Butylbenzene	1	22.6131	0	20	113	70	130
p-Diethylbenzene	1	22.6306	0	20	113	70	130
1,2,4,5-Tetramethylbenzene	1	24.5223	0	20	123	70	130
1,2-Dibromo-3-Chloropropane	1	21.1461	0	20	106	50	150
Camphor	1	143.9041	0	200	72	20	150
Hexachlorobutadiene	1	23.7308	0	20	119	50	150
1,2,4-Trichlorobenzene	1	25.3361	0	20	127	70	130
1,2,3-Trichlorobenzene	1	29.9677	0	20	150*	70	130
Naphthalene	1	29.451	0	20	147	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92608

	Data File	Sample ID:	Analysis Date
Spike or Dup:	8M546920.D	AD23401-013(MS)	5/17/2021 10:12:00 PM
Non Spike(If applicable):	8M546887.D	AD23401-013	5/17/2021 11:52:00 AM
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	30.5032	0	50	61	20	130
Dichlorodifluoromethane	1	44.644	0	50	89	20	130
Chloromethane	1	41.9416	0	50	84	20	130
Bromomethane	1	45.6624	0	50	91	20	130
Vinyl Chloride	1	44.5953	0	50	89	20	130
Chloroethane	1	43.8564	0	50	88	20	130
Trichlorofluoromethane	1	39.0198	0	50	78	20	130
Ethyl ether	1	52.1641	0	50	104	50	130
Furan	1	41.3524	0	50	83	50	130
1,1,2-Trichloro-1,2,2-trifluoroethane	1	39.1926	0	50	78	50	130
Methylene Chloride	1	43.5351	0	50	87	50	130
Acrolein	1	165.4584	0	200	83	20	130
Acrylonitrile	1	41.2232	0	50	82	20	130
Iodomethane	1	20.7629	0	50	42*	50	130
Acetone	1	185.3655	0	200	93	20	130
Carbon Disulfide	1	36.8141	0	50	74	50	130
t-Butyl Alcohol	1	236.837	0	200	118	20	130
n-Hexane	1	44.474	0	50	89	50	130
Di-isopropyl-ether	1	45.2148	0	50	90	50	130
1,1-Dichloroethene	1	41.1012	0	50	82	50	130
Methyl Acetate	1	57.1194	0	50	114	50	130
Methyl-t-butyl ether	1	48.6926	0	50	97	50	130
1,1-Dichloroethane	1	45.1293	0	50	90	50	130
trans-1,2-Dichloroethene	1	40.8767	0	50	82	50	130
Ethyl-t-butyl ether	1	52.3972	0	50	105	50	130
cis-1,2-Dichloroethene	1	45.5885	0	50	91	50	130
Bromochloromethane	1	46.1111	0	50	92	50	130
2,2-Dichloropropane	1	45.0835	0	50	90	50	130
Ethyl acetate	1	35.1811	0	50	70	50	130
1,4-Dioxane	1	1982.526	0	2500	79	50	130
1,1-Dichloropropene	1	41.6538	0	50	83	50	130
Chloroform	1	44.9	0	50	90	50	130
Cyclohexane	1	42.1142	0	50	84	50	130
1,2-Dichloroethane	1	48.0632	0	50	96	50	130
2-Butanone	1	37.5017	0	50	75	20	130
1,1,1-Trichloroethane	1	42.8397	0	50	86	50	130
Carbon Tetrachloride	1	41.1033	0	50	82	50	130
Vinyl Acetate	1	31.0429	0	50	62	50	130
Bromodichloromethane	1	46.948	0	50	94	50	130
Methylcyclohexane	1	42.4546	0	50	85	50	130
Dibromomethane	1	43.3543	0	50	87	50	130
1,2-Dichloropropane	1	46.7871	0	50	94	50	130
Trichloroethene	1	39.8204	0	50	80	50	130
Benzene	1	43.3469	0	50	87	50	130
tert-Amyl methyl ether	1	47.9686	0	50	96	50	130
Iso-propylacetate	1	40.7177	0	50	81	50	130
Methyl methacrylate	1	55.3228	0	50	111	50	130
Dibromochloromethane	1	47.0214	0	50	94	50	130
2-Chloroethylvinylether	1	11.2301	0	50	22*	50	130
cis-1,3-Dichloropropene	1	48.2696	0	50	97	50	130
trans-1,3-Dichloropropene	1	49.831	0	50	100	50	130
Ethyl methacrylate	1	44.043	0	50	88	50	130
1,1,2-Trichloroethane	1	48.1475	0	50	96	50	130
1,2-Dibromoethane	1	45.4413	0	50	91	50	130
1,3-Dichloropropane	1	48.2307	0	50	96	50	130
4-Methyl-2-Pentanone	1	47.2125	0	50	94	20	130
2-Hexanone	1	45.1433	0	50	90	20	130
Tetrachloroethene	1	39.0512	0	50	78	50	130
Toluene	1	42.7748	0	50	86	50	130
1,1,1,2-Tetrachloroethane	1	44.0884	0	50	88	50	130
Chlorobenzene	1	42.689	0	50	85	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92608

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	44.9031	0	50	90	50	130
n-Amyl acetate	1	30.4976	0	50	61	50	130
Bromoform	**1**	**50.4865**	**0**	**50**	**101**	**20**	**130**
Ethylbenzene	**1**	**45.0453**	**0**	**50**	**90**	**50**	**130**
1,1,2,2-Tetrachloroethane	**1**	**53.0485**	**0**	**50**	**106**	**50**	**130**
Styrene	**1**	**47.1863**	**0**	**50**	**94**	**50**	**130**
m&p-Xylenes	**1**	**87.2568**	**0**	**100**	**87**	**50**	**130**
o-Xylene	**1**	**45.2216**	**0**	**50**	**90**	**50**	**130**
trans-1,4-Dichloro-2-butene	1	47.6934	0	50	95	20	130
1,3-Dichlorobenzene	**1**	**42.8858**	**0**	**50**	**86**	**50**	**130**
1,4-Dichlorobenzene	**1**	**43.729**	**0**	**50**	**87**	**50**	**130**
1,2-Dichlorobenzene	**1**	**45.1143**	**0**	**50**	**90**	**50**	**130**
Isopropylbenzene	**1**	**45.1867**	**0**	**50**	**90**	**50**	**130**
Cyclohexanone	1	218.3066	0	250	87	50	130
Camphene	1	44.4821	0	50	89	50	130
1,2,3-Trichloropropane	1	51.0469	0	50	102	50	130
2-Chlorotoluene	1	46.4542	0	50	93	50	130
p-Ethyltoluene	1	44.6321	0	50	89	50	130
4-Chlorotoluene	1	46.1539	0	50	92	50	130
n-Propylbenzene	1	45.2346	0	50	90	50	130
Bromobenzene	1	48.9501	0	50	98	50	130
1,3,5-Trimethylbenzene	1	45.6845	0	50	91	50	130
Butyl methacrylate	1	43.6143	0	50	87	50	130
t-Butylbenzene	1	43.4586	0	50	87	50	130
1,2,4-Trimethylbenzene	1	45.2715	0	50	91	50	130
sec-Butylbenzene	1	44.1239	0	50	88	50	130
4-Isopropyltoluene	1	43.7214	0	50	87	50	130
n-Butylbenzene	1	45.132	0	50	90	50	130
p-Diethylbenzene	1	45.3477	0	50	91	50	130
1,2,4,5-Tetramethylbenzene	1	48.2735	0	50	97	50	130
1,2-Dibromo-3-Chloropropane	**1**	**47.8306**	**0**	**50**	**96**	**50**	**130**
Camphor	1	506.6311	0	500	101	50	130
Hexachlorobutadiene	1	39.4877	0	50	79	50	130
1,2,4-Trichlorobenzene	**1**	**44.9303**	**0**	**50**	**90**	**50**	**130**
1,2,3-Trichlorobenzene	**1**	**44.9758**	**0**	**50**	**90**	**50**	**130**
Naphthalene	1	49.3408	0	50	99	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92608

	Data File	Sample ID:	Analysis Date
Spike or Dup:	8M546921.D	AD23401-013(MSD)	5/17/2021 10:31:00 PM
Non Spike(If applicable):	8M546887.D	AD23401-013	5/17/2021 11:52:00 AM
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	26.7175	0	50	53	20	130
Dichlorodifluoromethane	1	36.8037	0	50	74	20	130
Chloromethane	1	39.4093	0	50	79	20	130
Bromomethane	1	42.9442	0	50	86	20	130
Vinyl Chloride	1	41.3681	0	50	83	20	130
Chloroethane	1	41.4125	0	50	83	20	130
Trichlorofluoromethane	1	37.3053	0	50	75	20	130
Ethyl ether	1	52.5046	0	50	105	50	130
Furan	1	40.0716	0	50	80	50	130
1,1,2-Trichloro-1,2,2-trifluoroethane	1	38.4272	0	50	77	50	130
Methylene Chloride	1	42.2166	0	50	84	50	130
Acrolein	1	160.603	0	200	80	20	130
Acrylonitrile	1	41.1724	0	50	82	20	130
Iodomethane	1	20.7217	0	50	41*	50	130
Acetone	1	188.9375	0	200	94	20	130
Carbon Disulfide	1	35.2789	0	50	71	50	130
t-Butyl Alcohol	1	247.6216	0	200	124	20	130
n-Hexane	1	43.7964	0	50	88	50	130
Di-isopropyl-ether	1	44.5134	0	50	89	50	130
1,1-Dichloroethene	1	39.7544	0	50	80	50	130
Methyl Acetate	1	63.2452	0	50	126	50	130
Methyl-t-butyl ether	1	48.5045	0	50	97	50	130
1,1-Dichloroethane	1	44.4344	0	50	89	50	130
trans-1,2-Dichloroethene	1	40.1492	0	50	80	50	130
Ethyl-t-butyl ether	1	51.429	0	50	103	50	130
cis-1,2-Dichloroethene	1	44.3606	0	50	89	50	130
Bromochloromethane	1	45.8783	0	50	92	50	130
2,2-Dichloropropane	1	43.9039	0	50	88	50	130
Ethyl acetate	1	32.0428	0	50	64	50	130
1,4-Dioxane	1	2076.991	0	2500	83	50	130
1,1-Dichloropropene	1	41.3596	0	50	83	50	130
Chloroform	1	44.235	0	50	88	50	130
Cyclohexane	1	41.5417	0	50	83	50	130
1,2-Dichloroethane	1	47.8393	0	50	96	50	130
2-Butanone	1	37.8817	0	50	76	20	130
1,1,1-Trichloroethane	1	42.1695	0	50	84	50	130
Carbon Tetrachloride	1	40.6574	0	50	81	50	130
Vinyl Acetate	1	28.5338	0	50	57	50	130
Bromodichloromethane	1	47.4269	0	50	95	50	130
Methylcyclohexane	1	41.6257	0	50	83	50	130
Dibromomethane	1	43.0366	0	50	86	50	130
1,2-Dichloropropane	1	46.2794	0	50	93	50	130
Trichloroethene	1	39.7905	0	50	80	50	130
Benzene	1	42.6116	0	50	85	50	130
tert-Amyl methyl ether	1	47.2665	0	50	95	50	130
Iso-propylacetate	1	38.9172	0	50	78	50	130
Methyl methacrylate	1	59.1155	0	50	118	50	130
Dibromochloromethane	1	47.2262	0	50	94	50	130
2-Chloroethylvinylether	1	10.8976	0	50	22*	50	130
cis-1,3-Dichloropropene	1	48.1708	0	50	96	50	130
trans-1,3-Dichloropropene	1	49.5332	0	50	99	50	130
Ethyl methacrylate	1	41.2666	0	50	83	50	130
1,1,2-Trichloroethane	1	48.622	0	50	97	50	130
1,2-Dibromoethane	1	45.7251	0	50	91	50	130
1,3-Dichloropropane	1	48.6291	0	50	97	50	130
4-Methyl-2-Pentanone	1	47.6693	0	50	95	20	130
2-Hexanone	1	46.4582	0	50	93	20	130
Tetrachloroethene	1	38.8711	0	50	78	50	130
Toluene	1	43.1597	0	50	86	50	130
1,1,1,2-Tetrachloroethane	1	43.8677	0	50	88	50	130
Chlorobenzene	1	42.7949	0	50	86	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92608

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	39.8396	0	50	80	50	130
n-Amyl acetate	1	25.9111	0	50	52	50	130
Bromoform	**1**	**51.0295**	**0**	**50**	**102**	**20**	**130**
Ethylbenzene	**1**	**45.2239**	**0**	**50**	**90**	**50**	**130**
1,1,2,2-Tetrachloroethane	**1**	**54.4352**	**0**	**50**	**109**	**50**	**130**
Styrene	**1**	**47.9869**	**0**	**50**	**96**	**50**	**130**
m&p-Xylenes	**1**	**89.535**	**0**	**100**	**90**	**50**	**130**
o-Xylene	**1**	**45.9729**	**0**	**50**	**92**	**50**	**130**
trans-1,4-Dichloro-2-butene	1	48.4037	0	50	97	20	130
1,3-Dichlorobenzene	**1**	**43.8487**	**0**	**50**	**88**	**50**	**130**
1,4-Dichlorobenzene	**1**	**45.3902**	**0**	**50**	**91**	**50**	**130**
1,2-Dichlorobenzene	**1**	**45.743**	**0**	**50**	**91**	**50**	**130**
Isopropylbenzene	**1**	**45.8345**	**0**	**50**	**92**	**50**	**130**
Cyclohexanone	1	218.6041	0	250	87	50	130
Camphene	1	44.4753	0	50	89	50	130
1,2,3-Trichloropropane	1	51.6181	0	50	103	50	130
2-Chlorotoluene	1	46.7836	0	50	94	50	130
p-Ethyltoluene	1	45.2084	0	50	90	50	130
4-Chlorotoluene	1	47.3896	0	50	95	50	130
n-Propylbenzene	1	45.9485	0	50	92	50	130
Bromobenzene	1	49.1908	0	50	98	50	130
1,3,5-Trimethylbenzene	1	46.4592	0	50	93	50	130
Butyl methacrylate	1	42.8177	0	50	86	50	130
t-Butylbenzene	1	44.1665	0	50	88	50	130
1,2,4-Trimethylbenzene	1	45.835	0	50	92	50	130
sec-Butylbenzene	1	44.5454	0	50	89	50	130
4-Isopropyltoluene	1	44.3485	0	50	89	50	130
n-Butylbenzene	1	45.6695	0	50	91	50	130
p-Diethylbenzene	1	45.5501	0	50	91	50	130
1,2,4,5-Tetramethylbenzene	1	48.9903	0	50	98	50	130
1,2-Dibromo-3-Chloropropane	**1**	**47.5864**	**0**	**50**	**95**	**50**	**130**
Camphor	1	523.1693	0	500	105	50	130
Hexachlorobutadiene	1	38.1645	0	50	76	50	130
1,2,4-Trichlorobenzene	**1**	**46.0214**	**0**	**50**	**92**	**50**	**130**
1,2,3-Trichlorobenzene	**1**	**46.0438**	**0**	**50**	**92**	**50**	**130**
Naphthalene	1	51.2381	0	50	102	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS92608

	Data File	Sample ID:	Analysis Date
Spike or Dup:	8M546921.D	AD23401-013(MSD)	5/17/2021 10:31:00 PM
Duplicate(If applicable):	8M546920.D	AD23401-013(MS)	5/17/2021 10:12:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	26.7175	30.5032	13	30
Dichlorodifluoromethane	**1**	**36.8037**	**44.644**	**19**	**30**
Chloromethane	**1**	**39.4093**	**41.9416**	**6.2**	**30**
Bromomethane	**1**	**42.9442**	**45.6624**	**6.1**	**30**
Vinyl Chloride	**1**	**41.3681**	**44.5953**	**7.5**	**40**
Chloroethane	**1**	**41.4125**	**43.8564**	**5.7**	**30**
Trichlorofluoromethane	**1**	**37.3053**	**39.0198**	**4.5**	**30**
Ethyl ether	1	52.5046	52.1641	0.65	30
Furan	1	40.0716	41.3524	3.1	30
1,1,2-Trichloro-1,2,2-trifluoroethane	**1**	**38.4272**	**39.1926**	**2**	**30**
Methylene Chloride	**1**	**42.2166**	**43.5351**	**3.1**	**30**
Acrolein	1	160.603	165.4584	3	30
Acrylonitrile	1	41.1724	41.2232	0.12	30
Iodomethane	1	20.7217	20.7629	0.2	30
Acetone	**1**	**188.9375**	**185.3655**	**1.9**	**30**
Carbon Disulfide	**1**	**35.2789**	**36.8141**	**4.3**	**30**
t-Butyl Alcohol	1	247.6216	236.837	4.5	30
n-Hexane	1	43.7964	44.474	1.5	30
Di-isopropyl-ether	1	44.5134	45.2148	1.6	30
1,1-Dichloroethene	**1**	**39.7544**	**41.1012**	**3.3**	**40**
Methyl Acetate	**1**	**63.2452**	**57.1194**	**10**	**30**
Methyl-t-butyl ether	**1**	**48.5045**	**48.6926**	**0.39**	**30**
1,1-Dichloroethane	**1**	**44.4344**	**45.1293**	**1.6**	**40**
trans-1,2-Dichloroethene	**1**	**40.1492**	**40.8767**	**1.8**	**30**
Ethyl-t-butyl ether	1	51.429	52.3972	1.9	30
cis-1,2-Dichloroethene	**1**	**44.3606**	**45.5885**	**2.7**	**30**
Bromochloromethane	**1**	**45.8783**	**46.1111**	**0.51**	**30**
2,2-Dichloropropane	1	43.9039	45.0835	2.7	30
Ethyl acetate	1	32.0428	35.1811	9.3	30
1,4-Dioxane	**1**	**2076.991**	**1982.526**	**4.7**	**30**
1,1-Dichloropropene	1	41.3596	41.6538	0.71	30
Chloroform	**1**	**44.235**	**44.9**	**1.5**	**40**
Cyclohexane	**1**	**41.5417**	**42.1142**	**1.4**	**30**
1,2-Dichloroethane	**1**	**47.8393**	**48.0632**	**0.47**	**40**
2-Butanone	**1**	**37.8817**	**37.5017**	**1**	**40**
1,1,1-Trichloroethane	**1**	**42.1695**	**42.8397**	**1.6**	**30**
Carbon Tetrachloride	**1**	**40.6574**	**41.1033**	**1.1**	**40**
Vinyl Acetate	1	28.5338	31.0429	8.4	30
Bromodichloromethane	**1**	**47.4269**	**46.948**	**1**	**30**
Methylcyclohexane	**1**	**41.6257**	**42.4546**	**2**	**30**
Dibromomethane	1	43.0366	43.3543	0.74	30
1,2-Dichloropropane	**1**	**46.2794**	**46.7871**	**1.1**	**30**
Trichloroethene	**1**	**39.7905**	**39.8204**	**0.08**	**40**
Benzene	**1**	**42.6116**	**43.3469**	**1.7**	**40**
tert-Amyl methyl ether	1	47.2665	47.9686	1.5	30
Iso-propylacetate	1	38.9172	40.7177	4.5	30
Methyl methacrylate	1	59.1155	55.3228	6.6	30
Dibromochloromethane	**1**	**47.2262**	**47.0214**	**0.43**	**30**
2-Chloroethylvinylether	1	10.8976	11.2301	3	30
cis-1,3-Dichloropropene	**1**	**48.1708**	**48.2696**	**0.2**	**30**
trans-1,3-Dichloropropene	**1**	**49.5332**	**49.831**	**0.6**	**30**
Ethyl methacrylate	1	41.2666	44.043	6.5	30
1,1,2-Trichloroethane	**1**	**48.622**	**48.1475**	**0.98**	**30**
1,2-Dibromoethane	**1**	**45.7251**	**45.4413**	**0.62**	**30**
1,3-Dichloropropane	1	48.6291	48.2307	0.82	30
4-Methyl-2-Pentanone	**1**	**47.6693**	**47.2125**	**0.96**	**30**
2-Hexanone	**1**	**46.4582**	**45.1433**	**2.9**	**30**
Tetrachloroethene	**1**	**38.8711**	**39.0512**	**0.46**	**40**
Toluene	**1**	**43.1597**	**42.7748**	**0.9**	**40**
1,1,1,2-Tetrachloroethane	1	43.8677	44.0884	0.5	30
Chlorobenzene	**1**	**42.7949**	**42.689**	**0.25**	**40**

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS92608

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Butyl acrylate	1	39.8396	44.9031	12	30
n-Amyl acetate	1	25.9111	30.4976	16	30
Bromoform	1	51.0295	50.4865	1.1	30
Ethylbenzene	1	45.2239	45.0453	0.4	30
1,1,2,2-Tetrachloroethane	1	54.4352	53.0485	2.6	30
Styrene	1	47.9869	47.1863	1.7	30
m&p-Xylenes	1	89.535	87.2568	2.6	30
o-Xylene	1	45.9729	45.2216	1.6	30
trans-1,4-Dichloro-2-butene	1	48.4037	47.6934	1.5	30
1,3-Dichlorobenzene	1	43.8487	42.8858	2.2	30
1,4-Dichlorobenzene	1	45.3902	43.729	3.7	40
1,2-Dichlorobenzene	1	45.743	45.1143	1.4	40
Isopropylbenzene	1	45.8345	45.1867	1.4	30
Cyclohexanone	1	218.6041	218.3066	0.14	30
Camphene	1	44.4753	44.4821	0.02	30
1,2,3-Trichloropropane	1	51.6181	51.0469	1.1	30
2-Chlorotoluene	1	46.7836	46.4542	0.71	30
p-Ethyltoluene	1	45.2084	44.6321	1.3	30
4-Chlorotoluene	1	47.3896	46.1539	2.6	30
n-Propylbenzene	1	45.9485	45.2346	1.6	40
Bromobenzene	1	49.1908	48.9501	0.49	30
1,3,5-Trimethylbenzene	1	46.4592	45.6845	1.7	30
Butyl methacrylate	1	42.8177	43.6143	1.8	30
t-Butylbenzene	1	44.1665	43.4586	1.6	30
1,2,4-Trimethylbenzene	1	45.835	45.2715	1.2	30
sec-Butylbenzene	1	44.5454	44.1239	0.95	40
4-Isopropyltoluene	1	44.3485	43.7214	1.4	30
n-Butylbenzene	1	45.6695	45.132	1.2	30
p-Diethylbenzene	1	45.5501	45.3477	0.45	30
1,2,4,5-Tetramethylbenzene	1	48.9903	48.2735	1.5	30
1,2-Dibromo-3-Chloropropane	1	47.5864	47.8306	0.51	30
Camphor	1	523.1693	506.6311	3.2	30
Hexachlorobutadiene	1	38.1645	39.4877	3.4	30
1,2,4-Trichlorobenzene	1	46.0214	44.9303	2.4	30
1,2,3-Trichlorobenzene	1	46.0438	44.9758	2.3	30
Naphthalene	1	51.2381	49.3408	3.8	30

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92618

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91320.D	AD23397-002(MS)	5/18/2021 3:47:00 PM
Non Spike(If applicable):	11M91327.D	AD23397-002	5/18/2021 6:17:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	19.8377	0	20	99	50	150
Dichlorodifluoromethane	1	19.3347	0	20	97	50	150
Chloromethane	1	17.3557	0	20	87	50	150
Bromomethane	1	17.9204	2.4123	20	78	50	150
Vinyl Chloride	1	18.6932	0	20	93	50	150
Chloroethane	1	64.8582	0	20	324*	50	150
Trichlorofluoromethane	1	23.7501	0	20	119	50	150
Ethyl ether	1	22.9807	0	20	115	50	150
Furan	1	21.5458	0	20	108	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	23.7801	0	20	119	50	150
Methylene Chloride	1	22.6076	0	20	113	70	130
Acrolein	1	132.2991	0	100	132	50	150
Acrylonitrile	1	30.9463	0	20	155*	50	150
Iodomethane	1	13.0026	1.471	20	58	50	150
Acetone	1	157.5243	0	100	158*	50	150
Carbon Disulfide	1	17.9275	0	20	90	50	150
t-Butyl Alcohol	1	82.0132	5.356	100	77	50	150
n-Hexane	1	25.9094	0	20	130	70	130
Di-isopropyl-ether	1	25.0123	0	20	125	70	130
1,1-Dichloroethene	1	20.3308	0	20	102	70	130
Methyl Acetate	1	32.6053	0	20	163*	50	150
Methyl-t-butyl ether	1	27.1897	0	20	136*	70	130
1,1-Dichloroethane	1	19.7993	0	20	99	70	130
trans-1,2-Dichloroethene	1	20.28	0	20	101	70	130
Ethyl-t-butyl ether	1	21.3865	0	20	107	70	130
cis-1,2-Dichloroethene	1	20.4275	0	20	102	70	130
Bromochloromethane	1	21.4378	0	20	107	70	130
2,2-Dichloropropane	1	20.1107	0	20	101	70	130
Ethyl acetate	1	24.9171	0	20	125	50	150
1,4-Dioxane	1	831.3051	0	1000	83	50	150
1,1-Dichloropropene	1	19.9527	0	20	100	70	130
Chloroform	1	20.3784	0	20	102	70	130
Cyclohexane	1	22.9577	0	20	115	70	130
1,2-Dichloroethane	1	18.8747	0	20	94	70	130
2-Butanone	1	16.6017	0	20	83	50	150
1,1,1-Trichloroethane	1	18.5845	0	20	93	70	130
Carbon Tetrachloride	1	16.4664	0	20	82	50	150
Vinyl Acetate	1	20.2723	0	20	101	50	150
Bromodichloromethane	1	19.4313	0	20	97	70	130
Methylcyclohexane	1	22.9286	1.5801	20	107	70	130
Dibromomethane	1	18.6405	0	20	93	70	130
1,2-Dichloropropane	1	19.7367	0	20	99	70	130
Trichloroethene	1	24.4557	0	20	122	70	130
Benzene	1	20.3351	0	20	102	70	130
tert-Amyl methyl ether	1	19.408	0	20	97	70	130
Iso-propylacetate	1	19.7514	0	20	99	70	130
Methyl methacrylate	1	20.4887	0	20	102	70	130
Dibromochloromethane	1	19.3137	0	20	97	70	130
2-Chloroethylvinylether	1	5.526	0	20	28*	70	130
cis-1,3-Dichloropropene	1	20.7146	0	20	104	70	130
trans-1,3-Dichloropropene	1	20.2982	0	20	101	70	130
Ethyl methacrylate	1	21.0124	0	20	105	70	130
1,1,2-Trichloroethane	1	21.3166	0	20	107	70	130
1,2-Dibromoethane	1	20.8102	0	20	104	70	130
1,3-Dichloropropane	1	20.9486	0	20	105	70	130
4-Methyl-2-Pentanone	1	21.6312	0	20	108	50	150
2-Hexanone	1	19.2102	0	20	96	50	150
Tetrachloroethene	1	17.9565	0	20	90	50	150
Toluene	1	25.3543	1.3989	20	120	70	130
1,1,1,2-Tetrachloroethane	1	17.3443	0	20	87	70	130
Chlorobenzene	1	27.5948	0	20	138*	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92618

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	18.9743	0	20	95	70	130
n-Amyl acetate	1	15.8568	0	20	79	70	130
Bromoform	**1**	**16.7586**	**0**	**20**	**84**	**70**	**130**
Ethylbenzene	**1**	**19.0555**	**0**	**20**	**95**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**21.2922**	**0**	**20**	**106**	**70**	**130**
Styrene	**1**	**17.8441**	**0**	**20**	**89**	**70**	**130**
m&p-Xylenes	**1**	**39.3688**	**0**	**40**	**98**	**70**	**130**
o-Xylene	**1**	**17.9832**	**0**	**20**	**90**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	16.9952	0	20	85	50	150
1,3-Dichlorobenzene	**1**	**18.5688**	**0**	**20**	**93**	**70**	**130**
1,4-Dichlorobenzene	**1**	**18.4983**	**0**	**20**	**92**	**70**	**130**
1,2-Dichlorobenzene	**1**	**20.1852**	**0**	**20**	**101**	**70**	**130**
Isopropylbenzene	**1**	**18.9447**	**0**	**20**	**95**	**70**	**130**
Cyclohexanone	1	137.4558	0	100	137	50	150
Camphene	1	20.0194	0	20	100	70	130
1,2,3-Trichloropropane	1	17.9172	0	20	90	70	130
2-Chlorotoluene	1	17.2766	0	20	86	70	130
p-Ethyltoluene	1	18.7287	0	20	94	70	130
4-Chlorotoluene	1	18.2297	0	20	91	70	130
n-Propylbenzene	1	19.1778	0	20	96	70	130
Bromobenzene	1	18.9628	0	20	95	70	130
1,3,5-Trimethylbenzene	1	16.5484	0	20	83	70	130
Butyl methacrylate	1	17.6757	0	20	88	70	130
t-Butylbenzene	1	18.7349	0	20	94	70	130
1,2,4-Trimethylbenzene	1	19.8671	0	20	99	70	130
sec-Butylbenzene	1	19.3781	0	20	97	70	130
4-Isopropyltoluene	1	19.5782	0	20	98	70	130
n-Butylbenzene	1	20.7627	0	20	104	70	130
p-Diethylbenzene	1	20.1503	0	20	101	70	130
1,2,4,5-Tetramethylbenzene	1	22.8569	1.116	20	109	70	130
1,2-Dibromo-3-Chloropropane	**1**	**19.8174**	**0**	**20**	**99**	**50**	**150**
Camphor	1	164.6581	21.5101	200	72	20	150
Hexachlorobutadiene	1	21.2044	0	20	106	50	150
1,2,4-Trichlorobenzene	**1**	**23.2028**	**2.1341**	**20**	**105**	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**29.0045**	**4.1959**	**20**	**124**	**70**	**130**
Naphthalene	1	35.7717	5.0953	20	153*	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92618

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91321.D	AD23397-002(MSD)	5/18/2021 4:08:00 PM
Non Spike(If applicable):	11M91327.D	AD23397-002	5/18/2021 6:17:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	14.2799	0	20	71	50	150
Dichlorodifluoromethane	1	12.7897	0	20	64	50	150
Chloromethane	1	12.5129	0	20	63	50	150
Bromomethane	1	11.573	2.4123	20	46*	50	150
Vinyl Chloride	1	12.0477	0	20	60	50	150
Chloroethane	1	48.3946	0	20	242*	50	150
Trichlorofluoromethane	1	16.6383	0	20	83	50	150
Ethyl ether	1	16.7703	0	20	84	50	150
Furan	1	14.9518	0	20	75	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	16.1558	0	20	81	50	150
Methylene Chloride	1	16.0148	0	20	80	70	130
Acrolein	1	103.5558	0	100	104	50	150
Acrylonitrile	1	23.858	0	20	119	50	150
Iodomethane	1	12.6875	1.471	20	56	50	150
Acetone	1	122.9771	0	100	123	50	150
Carbon Disulfide	1	12.076	0	20	60	50	150
t-Butyl Alcohol	1	65.6262	5.356	100	60	50	150
n-Hexane	1	17.1822	0	20	86	70	130
Di-isopropyl-ether	1	18.9109	0	20	95	70	130
1,1-Dichloroethene	1	14.3996	0	20	72	70	130
Methyl Acetate	1	25.8638	0	20	129	50	150
Methyl-t-butyl ether	1	20.3827	0	20	102	70	130
1,1-Dichloroethane	1	14.4748	0	20	72	70	130
trans-1,2-Dichloroethene	1	14.2312	0	20	71	70	130
Ethyl-t-butyl ether	1	15.4934	0	20	77	70	130
cis-1,2-Dichloroethene	1	14.0032	0	20	70	70	130
Bromochloromethane	1	15.6407	0	20	78	70	130
2,2-Dichloropropane	1	14.4679	0	20	72	70	130
Ethyl acetate	1	17.9696	0	20	90	50	150
1,4-Dioxane	1	738.7866	0	1000	74	50	150
1,1-Dichloropropene	1	13.9269	0	20	70	70	130
Chloroform	1	14.329	0	20	72	70	130
Cyclohexane	1	16.4731	0	20	82	70	130
1,2-Dichloroethane	1	13.8957	0	20	69*	70	130
2-Butanone	1	15.5882	0	20	78	50	150
1,1,1-Trichloroethane	1	12.94	0	20	65*	70	130
Carbon Tetrachloride	1	11.5296	0	20	58	50	150
Vinyl Acetate	1	14.957	0	20	75	50	150
Bromodichloromethane	1	13.9082	0	20	70	70	130
Methylcyclohexane	1	15.6586	1.5801	20	70	70	130
Dibromomethane	1	13.7782	0	20	69*	70	130
1,2-Dichloropropane	1	14.4868	0	20	72	70	130
Trichloroethene	1	15.3255	0	20	77	70	130
Benzene	1	14.4314	0	20	72	70	130
tert-Amyl methyl ether	1	13.5296	0	20	68*	70	130
Iso-propylacetate	1	15.2743	0	20	76	70	130
Methyl methacrylate	1	14.235	0	20	71	70	130
Dibromochloromethane	1	13.2948	0	20	66*	70	130
2-Chloroethylvinylether	1	4.4045	0	20	22*	70	130
cis-1,3-Dichloropropene	1	14.7536	0	20	74	70	130
trans-1,3-Dichloropropene	1	14.6236	0	20	73	70	130
Ethyl methacrylate	1	13.904	0	20	70	70	130
1,1,2-Trichloroethane	1	15.2903	0	20	76	70	130
1,2-Dibromoethane	1	15.1813	0	20	76	70	130
1,3-Dichloropropane	1	14.4931	0	20	72	70	130
4-Methyl-2-Pentanone	1	15.3543	0	20	77	50	150
2-Hexanone	1	14.2655	0	20	71	50	150
Tetrachloroethene	1	12.2243	0	20	61	50	150
Toluene	1	16.5488	1.3989	20	76	70	130
1,1,1,2-Tetrachloroethane	1	12.7685	0	20	64*	70	130
Chlorobenzene	1	17.7751	0	20	89	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92618

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	14.176	0	20	71	70	130
n-Amyl acetate	1	11.9775	0	20	60*	70	130
Bromoform	**1**	**12.9259**	**0**	**20**	**65***	**70**	**130**
Ethylbenzene	**1**	**12.8606**	**0**	**20**	**64***	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**16.2715**	**0**	**20**	**81**	**70**	**130**
Styrene	**1**	**13.5765**	**0**	**20**	**68***	**70**	**130**
m&p-Xylenes	**1**	**28.6991**	**0**	**40**	**72**	**70**	**130**
o-Xylene	**1**	**13.2078**	**0**	**20**	**66***	**70**	**130**
trans-1,4-Dichloro-2-butene	1	12.2835	0	20	61	50	150
1,3-Dichlorobenzene	**1**	**14.111**	**0**	**20**	**71**	**70**	**130**
1,4-Dichlorobenzene	**1**	**13.858**	**0**	**20**	**69***	**70**	**130**
1,2-Dichlorobenzene	**1**	**14.6997**	**0**	**20**	**73**	**70**	**130**
Isopropylbenzene	**1**	**13.7432**	**0**	**20**	**69***	**70**	**130**
Cyclohexanone	1	112.112	0	100	112	50	150
Camphene	1	14.5667	0	20	73	70	130
1,2,3-Trichloropropane	1	13.3482	0	20	67*	70	130
2-Chlorotoluene	1	12.8561	0	20	64*	70	130
p-Ethyltoluene	1	14.1544	0	20	71	70	130
4-Chlorotoluene	1	14.074	0	20	70	70	130
n-Propylbenzene	1	14.4789	0	20	72	70	130
Bromobenzene	1	14.0398	0	20	70	70	130
1,3,5-Trimethylbenzene	1	12.1661	0	20	61*	70	130
Butyl methacrylate	1	14.6284	0	20	73	70	130
t-Butylbenzene	1	14.3874	0	20	72	70	130
1,2,4-Trimethylbenzene	1	14.673	0	20	73	70	130
sec-Butylbenzene	1	15.0721	0	20	75	70	130
4-Isopropyltoluene	1	14.3432	0	20	72	70	130
n-Butylbenzene	1	15.4266	0	20	77	70	130
p-Diethylbenzene	1	15.3529	0	20	77	70	130
1,2,4,5-Tetramethylbenzene	1	17.4578	1.116	20	82	70	130
1,2-Dibromo-3-Chloropropane	**1**	**15.1306**	**0**	**20**	**76**	**50**	**150**
Camphor	1	125.2622	21.5101	200	52	20	150
Hexachlorobutadiene	1	15.5708	0	20	78	50	150
1,2,4-Trichlorobenzene	**1**	**18.0171**	**2.1341**	**20**	**79**	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**23.7069**	**4.1959**	**20**	**98**	**70**	**130**
Naphthalene	1	26.169	5.0953	20	105	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS92618

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91321.D	AD23397-002(MSD)	5/18/2021 4:08:00 PM
Duplicate(If applicable):	11M91320.D	AD23397-002(MS)	5/18/2021 3:47:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	14.2799	19.8377	33*	30
Dichlorodifluoromethane	1	12.7897	19.3347	41*	30
Chloromethane	1	12.5129	17.3557	32*	30
Bromomethane	1	11.573	17.9204	43*	30
Vinyl Chloride	1	12.0477	18.6932	43*	40
Chloroethane	1	48.3946	64.8582	29	30
Trichlorofluoromethane	1	16.6383	23.7501	35*	30
Ethyl ether	1	16.7703	22.9807	31*	30
Furan	1	14.9518	21.5458	36*	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1	16.1558	23.7801	38*	30
Methylene Chloride	1	16.0148	22.6076	34*	30
Acrolein	1	103.5558	132.2991	24	30
Acrylonitrile	1	23.858	30.9463	26	30
Iodomethane	1	12.6875	13.0026	2.5	30
Acetone	1	122.9771	157.5243	25	30
Carbon Disulfide	1	12.076	17.9275	39*	30
t-Butyl Alcohol	1	65.6262	82.0132	22	30
n-Hexane	1	17.1822	25.9094	41*	30
Di-isopropyl-ether	1	18.9109	25.0123	28	30
1,1-Dichloroethene	1	14.3996	20.3308	34	40
Methyl Acetate	1	25.8638	32.6053	23	30
Methyl-t-butyl ether	1	20.3827	27.1897	29	30
1,1-Dichloroethane	1	14.4748	19.7993	31	40
trans-1,2-Dichloroethene	1	14.2312	20.28	35*	30
Ethyl-t-butyl ether	1	15.4934	21.3865	32*	30
cis-1,2-Dichloroethene	1	14.0032	20.4275	37*	30
Bromochloromethane	1	15.6407	21.4378	31*	30
2,2-Dichloropropane	1	14.4679	20.1107	33*	30
Ethyl acetate	1	17.9696	24.9171	32*	20
1,4-Dioxane	1	738.7866	831.3051	12	30
1,1-Dichloropropene	1	13.9269	19.9527	36*	30
Chloroform	1	14.329	20.3784	35	40
Cyclohexane	1	16.4731	22.9577	33*	30
1,2-Dichloroethane	1	13.8957	18.8747	30	40
2-Butanone	1	15.5882	16.6017	6.3	40
1,1,1-Trichloroethane	1	12.94	18.5845	36*	30
Carbon Tetrachloride	1	11.5296	16.4664	35	40
Vinyl Acetate	1	14.957	20.2723	30	30
Bromodichloromethane	1	13.9082	19.4313	33*	30
Methylcyclohexane	1	15.6586	22.9286	38*	30
Dibromomethane	1	13.7782	18.6405	30	30
1,2-Dichloropropane	1	14.4868	19.7367	31*	30
Trichloroethene	1	15.3255	24.4557	46*	40
Benzene	1	14.4314	20.3351	34	40
tert-Amyl methyl ether	1	13.5296	19.408	36*	30
Iso-propylacetate	1	15.2743	19.7514	26	30
Methyl methacrylate	1	14.235	20.4887	36*	30
Dibromochloromethane	1	13.2948	19.3137	37*	30
2-Chloroethylvinylether	1	4.4045	5.526	23	30
cis-1,3-Dichloropropene	1	14.7536	20.7146	34*	30
trans-1,3-Dichloropropene	1	14.6236	20.2982	32*	30
Ethyl methacrylate	1	13.904	21.0124	41*	30
1,1,2-Trichloroethane	1	15.2903	21.3166	33*	30
1,2-Dibromoethane	1	15.1813	20.8102	31*	30
1,3-Dichloropropane	1	14.4931	20.9486	36*	30
4-Methyl-2-Pentanone	1	15.3543	21.6312	34*	30
2-Hexanone	1	14.2655	19.2102	30	30
Tetrachloroethene	1	12.2243	17.9565	38	40
Toluene	1	16.5488	25.3543	42*	40
1,1,1,2-Tetrachloroethane	1	12.7685	17.3443	30	30
Chlorobenzene	1	17.7751	27.5948	43*	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS92618

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Butyl acrylate	1	14.176	18.9743	29	30
n-Amyl acetate	1	11.9775	15.8568	28	30
Bromoform	**1**	**12.9259**	**16.7586**	**26**	**30**
Ethylbenzene	**1**	**12.8606**	**19.0555**	**39***	**30**
1,1,2,2-Tetrachloroethane	**1**	**16.2715**	**21.2922**	**27**	**30**
Styrene	**1**	**13.5765**	**17.8441**	**27**	**30**
m&p-Xylenes	**1**	**28.6991**	**39.3688**	**31***	**30**
o-Xylene	**1**	**13.2078**	**17.9832**	**31***	**30**
trans-1,4-Dichloro-2-butene	1	12.2835	16.9952	32*	30
1,3-Dichlorobenzene	**1**	**14.111**	**18.5688**	**27**	**30**
1,4-Dichlorobenzene	**1**	**13.858**	**18.4983**	**29**	**40**
1,2-Dichlorobenzene	**1**	**14.6997**	**20.1852**	**31**	**40**
Isopropylbenzene	**1**	**13.7432**	**18.9447**	**32***	**30**
Cyclohexanone	1	112.112	137.4558	20	30
Camphene	1	14.5667	20.0194	32*	30
1,2,3-Trichloropropane	1	13.3482	17.9172	29	30
2-Chlorotoluene	1	12.8561	17.2766	29	30
p-Ethyltoluene	1	14.1544	18.7287	28	30
4-Chlorotoluene	1	14.074	18.2297	26	30
n-Propylbenzene	1	14.4789	19.1778	28	40
Bromobenzene	1	14.0398	18.9628	30	30
1,3,5-Trimethylbenzene	1	12.1661	16.5484	31*	30
Butyl methacrylate	1	14.6284	17.6757	19	30
t-Butylbenzene	1	14.3874	18.7349	26	30
1,2,4-Trimethylbenzene	1	14.673	19.8671	30	30
sec-Butylbenzene	1	15.0721	19.3781	25	40
4-Isopropyltoluene	1	14.3432	19.5782	31*	30
n-Butylbenzene	1	15.4266	20.7627	29	30
p-Diethylbenzene	1	15.3529	20.1503	27	30
1,2,4,5-Tetramethylbenzene	1	17.4578	22.8569	27	30
1,2-Dibromo-3-Chloropropane	**1**	**15.1306**	**19.8174**	**27**	**30**
Camphor	1	125.2622	164.6581	27	30
Hexachlorobutadiene	1	15.5708	21.2044	31*	30
1,2,4-Trichlorobenzene	**1**	**18.0171**	**23.2028**	**25**	**30**
1,2,3-Trichlorobenzene	**1**	**23.7069**	**29.0045**	**20**	**30**
Naphthalene	1	26.169	35.7717	31*	30

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92624

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M140163.D	AD23353-006(MS)	5/19/2021 12:23:00 PM
Non Spike(If applicable):	6M140166.D	AD23353-006	5/19/2021 1:26:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	60.1858	0	50	120	20	130
Dichlorodifluoromethane	1	19.4452	0	50	39	20	130
Chloromethane	1	28.2373	0	50	56	20	130
Bromomethane	1	36.7765	0	50	74	20	130
Vinyl Chloride	1	40.6352	0	50	81	20	130
Chloroethane	1	42.5303	0	50	85	20	130
Trichlorofluoromethane	1	76.9866	0	50	154*	20	130
Ethyl ether	1	31.8601	0	50	64	50	130
Furan	1	37.7698	0	50	76	50	130
1,1,2-Trichloro-1,2,2-trifluoroethane	1	111.094	0	50	222*	50	130
Methylene Chloride	1	51.8526	0	50	104	50	130
Acrolein	1	188.3613	0	200	94	20	130
Acrylonitrile	1	46.378	0	50	93	20	130
Iodomethane	1	44.6563	0	50	89	50	130
Acetone	1	255.6772	0	200	128	20	130
Carbon Disulfide	1	48.6694	0	50	97	50	130
t-Butyl Alcohol	1	212.4903	0	200	106	20	130
n-Hexane	1	230.4915	0	50	461*	50	130
Di-isopropyl-ether	1	60.4989	0	50	121	50	130
1,1-Dichloroethene	1	49.0159	0	50	98	50	130
Methyl Acetate	1	64.2376	0	50	128	50	130
Methyl-t-butyl ether	1	46.5202	0	50	93	50	130
1,1-Dichloroethane	1	53.8605	0	50	108	50	130
trans-1,2-Dichloroethene	1	58.1727	0	50	116	50	130
Ethyl-t-butyl ether	1	50.3198	0	50	101	50	130
cis-1,2-Dichloroethene	1	49.4195	0	50	99	50	130
Bromochloromethane	1	51.2063	0	50	102	50	130
2,2-Dichloropropane	1	64.2559	0	50	129	50	130
Ethyl acetate	1	45.8435	0	50	92	50	130
1,4-Dioxane	1	2618.932	0	2500	105	50	130
1,1-Dichloropropene	1	69.8902	0	50	140*	50	130
Chloroform	1	52.8548	0	50	106	50	130
Cyclohexane	1	108.9349	0	50	218*	50	130
1,2-Dichloroethane	1	42.9114	0	50	86	50	130
2-Butanone	1	63.2004	4.1551	50	118	20	130
1,1,1-Trichloroethane	1	61.2689	0	50	123	50	130
Carbon Tetrachloride	1	58.2971	0	50	117	50	130
Vinyl Acetate	1	54.5093	0	50	109	50	130
Bromodichloromethane	1	52.0485	0	50	104	50	130
Methylcyclohexane	1	142.7324	0	50	285*	50	130
Dibromomethane	1	51.5564	0	50	103	50	130
1,2-Dichloropropane	1	58.0473	0	50	116	50	130
Trichloroethene	1	64.6865	0	50	129	50	130
Benzene	1	59.3169	0	50	119	50	130
tert-Amyl methyl ether	1	60.7597	0	50	122	50	130
Iso-propylacetate	1	45.5181	0	50	91	50	130
Methyl methacrylate	1	55.3364	0	50	111	50	130
Dibromochloromethane	1	44.8037	0	50	90	50	130
2-Chloroethylvinylether	1	53.2876	4.3059	50	98	50	130
cis-1,3-Dichloropropene	1	47.0014	0	50	94	50	130
trans-1,3-Dichloropropene	1	47.1012	0	50	94	50	130
Ethyl methacrylate	1	53.2108	0	50	106	50	130
1,1,2-Trichloroethane	1	41.8414	0	50	84	50	130
1,2-Dibromoethane	1	52.373	0	50	105	50	130
1,3-Dichloropropane	1	42.662	0	50	85	50	130
4-Methyl-2-Pentanone	1	51.5886	0	50	103	20	130
2-Hexanone	1	51.9639	0	50	104	20	130
Tetrachloroethene	1	56.6919	0	50	113	50	130
Toluene	1	55.3593	0	50	111	50	130
1,1,1,2-Tetrachloroethane	1	53.9841	0	50	108	50	130
Chlorobenzene	1	47.9966	0	50	96	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92624

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	38.5814	0	50	77	50	130
n-Amyl acetate	1	38.6923	0	50	77	50	130
Bromoform	**1**	**38.3636**	**0**	**50**	**77**	**20**	**130**
Ethylbenzene	**1**	**49.8599**	**0**	**50**	**100**	**50**	**130**
1,1,2,2-Tetrachloroethane	**1**	**36.3025**	**0**	**50**	**73**	**50**	**130**
Styrene	**1**	**51.8997**	**0**	**50**	**104**	**50**	**130**
m&p-Xylenes	**1**	**87.3388**	**0**	**100**	**87**	**50**	**130**
o-Xylene	**1**	**51.3873**	**0**	**50**	**103**	**50**	**130**
trans-1,4-Dichloro-2-butene	1	51.2771	0	50	103	20	130
1,3-Dichlorobenzene	**1**	**46.0742**	**0**	**50**	**92**	**50**	**130**
1,4-Dichlorobenzene	**1**	**42.9588**	**0**	**50**	**86**	**50**	**130**
1,2-Dichlorobenzene	**1**	**45.5944**	**0**	**50**	**91**	**50**	**130**
Isopropylbenzene	**1**	**56.1321**	**0**	**50**	**112**	**50**	**130**
Cyclohexanone	1	442.0063	26.6458	250	166*	50	130
Camphene	1	70.9884	0	50	142*	50	130
1,2,3-Trichloropropane	1	34.2186	0	50	68	50	130
2-Chlorotoluene	1	51.8651	0	50	104	50	130
p-Ethyltoluene	1	52.9074	0	50	106	50	130
4-Chlorotoluene	1	48.6065	0	50	97	50	130
n-Propylbenzene	1	57.6709	0	50	115	50	130
Bromobenzene	1	48.4293	0	50	97	50	130
1,3,5-Trimethylbenzene	1	43.169	0	50	86	50	130
Butyl methacrylate	1	42.7249	1.2297	50	83	50	130
t-Butylbenzene	1	53.9481	0	50	108	50	130
1,2,4-Trimethylbenzene	1	47.4173	0	50	95	50	130
sec-Butylbenzene	1	53.9906	0	50	108	50	130
4-Isopropyltoluene	1	53.912	0	50	108	50	130
n-Butylbenzene	1	55.4464	0	50	111	50	130
p-Diethylbenzene	1	56.6223	0	50	113	50	130
1,2,4,5-Tetramethylbenzene	1	57.0818	0	50	114	50	130
1,2-Dibromo-3-Chloropropane	**1**	**48.2231**	**0**	**50**	**96**	**50**	**130**
Camphor	1	457.7524	26.9235	500	86	50	130
Hexachlorobutadiene	1	60.1315	0	50	120	50	130
1,2,4-Trichlorobenzene	**1**	**49.5791**	**0**	**50**	**99**	**50**	**130**
1,2,3-Trichlorobenzene	**1**	**45.978**	**0**	**50**	**92**	**50**	**130**
Naphthalene	1	46.3007	2.4504	50	88	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch:MBS92624

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M140164.D	AD23353-006(MSD)	5/19/2021 12:44:00 PM
Non Spike(If applicable):	6M140166.D	AD23353-006	5/19/2021 1:26:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	57.2044	0	50	114	20	130
Dichlorodifluoromethane	1	18.6734	0	50	37	20	130
Chloromethane	1	24.3435	0	50	49	20	130
Bromomethane	1	34.1494	0	50	68	20	130
Vinyl Chloride	1	35.8359	0	50	72	20	130
Chloroethane	1	43.6485	0	50	87	20	130
Trichlorofluoromethane	1	68.0334	0	50	136*	20	130
Ethyl ether	1	29.3796	0	50	59	50	130
Furan	1	36.0088	0	50	72	50	130
1,1,2-Trichloro-1,2,2-trifluoroethane	1	102.824	0	50	206*	50	130
Methylene Chloride	1	45.3684	0	50	91	50	130
Acrolein	1	178.6102	0	200	89	20	130
Acrylonitrile	1	43.9821	0	50	88	20	130
Iodomethane	1	46.088	0	50	92	50	130
Acetone	1	250.3309	0	200	125	20	130
Carbon Disulfide	1	45.6939	0	50	91	50	130
t-Butyl Alcohol	1	207.7051	0	200	104	20	130
n-Hexane	1	231.6442	0	50	463*	50	130
Di-isopropyl-ether	1	56.5799	0	50	113	50	130
1,1-Dichloroethene	1	46.5253	0	50	93	50	130
Methyl Acetate	1	74.5319	0	50	149*	50	130
Methyl-t-butyl ether	1	44.7281	0	50	89	50	130
1,1-Dichloroethane	1	50.2722	0	50	101	50	130
trans-1,2-Dichloroethene	1	56.1938	0	50	112	50	130
Ethyl-t-butyl ether	1	49.7945	0	50	100	50	130
cis-1,2-Dichloroethene	1	48.8315	0	50	98	50	130
Bromochloromethane	1	50.8852	0	50	102	50	130
2,2-Dichloropropane	1	60.3376	0	50	121	50	130
Ethyl acetate	1	36.3278	0	50	73	50	130
1,4-Dioxane	1	2492.823	0	2500	100	50	130
1,1-Dichloropropene	1	67.4271	0	50	135*	50	130
Chloroform	1	49.8145	0	50	100	50	130
Cyclohexane	1	101.7991	0	50	204*	50	130
1,2-Dichloroethane	1	40.4965	0	50	81	50	130
2-Butanone	1	62.9095	4.1551	50	118	20	130
1,1,1-Trichloroethane	1	56.0863	0	50	112	50	130
Carbon Tetrachloride	1	54.8773	0	50	110	50	130
Vinyl Acetate	1	43.8838	0	50	88	50	130
Bromodichloromethane	1	50.4444	0	50	101	50	130
Methylcyclohexane	1	128.6212	0	50	257*	50	130
Dibromomethane	1	51.0995	0	50	102	50	130
1,2-Dichloropropane	1	53.534	0	50	107	50	130
Trichloroethene	1	60.0327	0	50	120	50	130
Benzene	1	55.6706	0	50	111	50	130
tert-Amyl methyl ether	1	57.9545	0	50	116	50	130
Iso-propylacetate	1	42.2816	0	50	85	50	130
Methyl methacrylate	1	57.3028	0	50	115	50	130
Dibromochloromethane	1	44.2171	0	50	88	50	130
2-Chloroethylvinylether	1	44.4613	4.3059	50	80	50	130
cis-1,3-Dichloropropene	1	47.8785	0	50	96	50	130
trans-1,3-Dichloropropene	1	45.8565	0	50	92	50	130
Ethyl methacrylate	1	48.9821	0	50	98	50	130
1,1,2-Trichloroethane	1	40.9716	0	50	82	50	130
1,2-Dibromoethane	1	50.4455	0	50	101	50	130
1,3-Dichloropropane	1	42.7021	0	50	85	50	130
4-Methyl-2-Pentanone	1	48.6411	0	50	97	20	130
2-Hexanone	1	52.1449	0	50	104	20	130
Tetrachloroethene	1	55.8185	0	50	112	50	130
Toluene	1	54.6021	0	50	109	50	130
1,1,1,2-Tetrachloroethane	1	52.2411	0	50	104	50	130
Chlorobenzene	1	46.1562	0	50	92	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch:MBS92624

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	31.2479	0	50	62	50	130
n-Amyl acetate	1	28.7696	0	50	58	50	130
Bromoform	**1**	**37.3738**	**0**	**50**	**75**	**20**	**130**
Ethylbenzene	**1**	**51.7562**	**0**	**50**	**104**	**50**	**130**
1,1,2,2-Tetrachloroethane	**1**	**36.9887**	**0**	**50**	**74**	**50**	**130**
Styrene	**1**	**50.1293**	**0**	**50**	**100**	**50**	**130**
m&p-Xylenes	**1**	**84.7619**	**0**	**100**	**85**	**50**	**130**
o-Xylene	**1**	**49.4325**	**0**	**50**	**99**	**50**	**130**
trans-1,4-Dichloro-2-butene	1	49.6871	0	50	99	20	130
1,3-Dichlorobenzene	**1**	**43.3763**	**0**	**50**	**87**	**50**	**130**
1,4-Dichlorobenzene	**1**	**41.0154**	**0**	**50**	**82**	**50**	**130**
1,2-Dichlorobenzene	**1**	**42.0542**	**0**	**50**	**84**	**50**	**130**
Isopropylbenzene	**1**	**53.6445**	**0**	**50**	**107**	**50**	**130**
Cyclohexanone	1	465.0328	26.6458	250	175*	50	130
Camphene	1	67.3544	0	50	135*	50	130
1,2,3-Trichloropropane	1	35.0455	0	50	70	50	130
2-Chlorotoluene	1	51.4853	0	50	103	50	130
p-Ethyltoluene	1	50.6066	0	50	101	50	130
4-Chlorotoluene	1	45.8447	0	50	92	50	130
n-Propylbenzene	1	54.9677	0	50	110	50	130
Bromobenzene	1	47.0789	0	50	94	50	130
1,3,5-Trimethylbenzene	1	41.5839	0	50	83	50	130
Butyl methacrylate	1	36.9388	1.2297	50	71	50	130
t-Butylbenzene	1	50.1312	0	50	100	50	130
1,2,4-Trimethylbenzene	1	44.9411	0	50	90	50	130
sec-Butylbenzene	1	51.8899	0	50	104	50	130
4-Isopropyltoluene	1	50.6252	0	50	101	50	130
n-Butylbenzene	1	51.7644	0	50	104	50	130
p-Diethylbenzene	1	53.2885	0	50	107	50	130
1,2,4,5-Tetramethylbenzene	1	53.857	0	50	108	50	130
1,2-Dibromo-3-Chloropropane	**1**	**46.8788**	**0**	**50**	**94**	**50**	**130**
Camphor	1	469.307	26.9235	500	88	50	130
Hexachlorobutadiene	1	55.3219	0	50	111	50	130
1,2,4-Trichlorobenzene	**1**	**48.0164**	**0**	**50**	**96**	**50**	**130**
1,2,3-Trichlorobenzene	**1**	**43.7289**	**0**	**50**	**87**	**50**	**130**
Naphthalene	1	46.1398	2.4504	50	87	50	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS92624

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M140164.D	AD23353-006(MSD)	5/19/2021 12:44:00 PM
Duplicate(If applicable):	6M140163.D	AD23353-006(MS)	5/19/2021 12:23:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	57.2044	60.1858	5.1	30
Dichlorodifluoromethane	**1**	**18.6734**	**19.4452**	**4**	**30**
Chloromethane	**1**	**24.3435**	**28.2373**	**15**	**30**
Bromomethane	**1**	**34.1494**	**36.7765**	**7.4**	**30**
Vinyl Chloride	**1**	**35.8359**	**40.6352**	**13**	**40**
Chloroethane	**1**	**43.6485**	**42.5303**	**2.6**	**30**
Trichlorofluoromethane	**1**	**68.0334**	**76.9866**	**12**	**30**
Ethyl ether	1	29.3796	31.8601	8.1	30
Furan	1	36.0088	37.7698	4.8	30
1,1,2-Trichloro-1,2,2-trifluoroethane	**1**	**102.824**	**111.094**	**7.7**	**30**
Methylene Chloride	**1**	**45.3684**	**51.8526**	**13**	**30**
Acrolein	1	178.6102	188.3613	5.3	30
Acrylonitrile	1	43.9821	46.378	5.3	30
Iodomethane	1	46.088	44.6563	3.2	30
Acetone	**1**	**250.3309**	**255.6772**	**2.1**	**30**
Carbon Disulfide	**1**	**45.6939**	**48.6694**	**6.3**	**30**
t-Butyl Alcohol	1	207.7051	212.4903	2.3	30
n-Hexane	1	231.6442	230.4915	0.5	30
Di-isopropyl-ether	1	56.5799	60.4989	6.7	30
1,1-Dichloroethene	**1**	**46.5253**	**49.0159**	**5.2**	**40**
Methyl Acetate	**1**	**74.5319**	**64.2376**	**15**	**30**
Methyl-t-butyl ether	**1**	**44.7281**	**46.5202**	**3.9**	**30**
1,1-Dichloroethane	**1**	**50.2722**	**53.8605**	**6.9**	**40**
trans-1,2-Dichloroethene	**1**	**56.1938**	**58.1727**	**3.5**	**30**
Ethyl-t-butyl ether	1	49.7945	50.3198	1	30
cis-1,2-Dichloroethene	**1**	**48.8315**	**49.4195**	**1.2**	**30**
Bromochloromethane	**1**	**50.8852**	**51.2063**	**0.63**	**30**
2,2-Dichloropropane	1	60.3376	64.2559	6.3	30
Ethyl acetate	1	36.3278	45.8435	23	30
1,4-Dioxane	**1**	**2492.823**	**2618.932**	**4.9**	**30**
1,1-Dichloropropene	1	67.4271	69.8902	3.6	30
Chloroform	**1**	**49.8145**	**52.8548**	**5.9**	**40**
Cyclohexane	**1**	**101.7991**	**108.9349**	**6.8**	**30**
1,2-Dichloroethane	**1**	**40.4965**	**42.9114**	**5.8**	**40**
2-Butanone	**1**	**62.9095**	**63.2004**	**0.46**	**40**
1,1,1-Trichloroethane	**1**	**56.0863**	**61.2689**	**8.8**	**30**
Carbon Tetrachloride	**1**	**54.8773**	**58.2971**	**6**	**40**
Vinyl Acetate	1	43.8838	54.5093	22	30
Bromodichloromethane	**1**	**50.4444**	**52.0485**	**3.1**	**30**
Methylcyclohexane	**1**	**128.6212**	**142.7324**	**10**	**30**
Dibromomethane	1	51.0995	51.5564	0.89	30
1,2-Dichloropropane	**1**	**53.534**	**58.0473**	**8.1**	**30**
Trichloroethene	**1**	**60.0327**	**64.6865**	**7.5**	**40**
Benzene	**1**	**55.6706**	**59.3169**	**6.3**	**40**
tert-Amyl methyl ether	1	57.9545	60.7597	4.7	30
Iso-propylacetate	1	42.2816	45.5181	7.4	30
Methyl methacrylate	1	57.3028	55.3364	3.5	30
Dibromochloromethane	**1**	**44.2171**	**44.8037**	**1.3**	**30**
2-Chloroethylvinylether	1	44.4613	53.2876	18	30
cis-1,3-Dichloropropene	**1**	**47.8785**	**47.0014**	**1.8**	**30**
trans-1,3-Dichloropropene	**1**	**45.8565**	**47.1012**	**2.7**	**30**
Ethyl methacrylate	1	48.9821	53.2108	8.3	30
1,1,2-Trichloroethane	**1**	**40.9716**	**41.8414**	**2.1**	**30**
1,2-Dibromoethane	**1**	**50.4455**	**52.373**	**3.7**	**30**
1,3-Dichloropropane	1	42.7021	42.662	0.09	30
4-Methyl-2-Pentanone	**1**	**48.6411**	**51.5886**	**5.9**	**30**
2-Hexanone	**1**	**52.1449**	**51.9639**	**0.35**	**30**
Tetrachloroethene	**1**	**55.8185**	**56.6919**	**1.6**	**40**
Toluene	**1**	**54.6021**	**55.3593**	**1.4**	**40**
1,1,1,2-Tetrachloroethane	1	52.2411	53.9841	3.3	30
Chlorobenzene	**1**	**46.1562**	**47.9966**	**3.9**	**40**

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits

QC Batch: MBS92624

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Butyl acrylate	1	31.2479	38.5814	21	30
n-Amyl acetate	1	28.7696	38.6923	29	30
Bromoform	1	37.3738	38.3636	2.6	30
Ethylbenzene	1	51.7562	49.8599	3.7	30
1,1,2,2-Tetrachloroethane	1	36.9887	36.3025	1.9	30
Styrene	1	50.1293	51.8997	3.5	30
m&p-Xylenes	1	84.7619	87.3388	3	30
o-Xylene	1	49.4325	51.3873	3.9	30
trans-1,4-Dichloro-2-butene	1	49.6871	51.2771	3.1	30
1,3-Dichlorobenzene	1	43.3763	46.0742	6	30
1,4-Dichlorobenzene	1	41.0154	42.9588	4.6	40
1,2-Dichlorobenzene	1	42.0542	45.5944	8.1	40
Isopropylbenzene	1	53.6445	56.1321	4.5	30
Cyclohexanone	1	465.0328	442.0063	5.1	30
Camphene	1	67.3544	70.9884	5.3	30
1,2,3-Trichloropropane	1	35.0455	34.2186	2.4	30
2-Chlorotoluene	1	51.4853	51.8651	0.73	30
p-Ethyltoluene	1	50.6066	52.9074	4.4	30
4-Chlorotoluene	1	45.8447	48.6065	5.8	30
n-Propylbenzene	1	54.9677	57.6709	4.8	40
Bromobenzene	1	47.0789	48.4293	2.8	30
1,3,5-Trimethylbenzene	1	41.5839	43.169	3.7	30
Butyl methacrylate	1	36.9388	42.7249	15	30
t-Butylbenzene	1	50.1312	53.9481	7.3	30
1,2,4-Trimethylbenzene	1	44.9411	47.4173	5.4	30
sec-Butylbenzene	1	51.8899	53.9906	4	40
4-Isopropyltoluene	1	50.6252	53.912	6.3	30
n-Butylbenzene	1	51.7644	55.4464	6.9	30
p-Diethylbenzene	1	53.2885	56.6223	6.1	30
1,2,4,5-Tetramethylbenzene	1	53.857	57.0818	5.8	30
1,2-Dibromo-3-Chloropropane	1	46.8788	48.2231	2.8	30
Camphor	1	469.307	457.7524	2.5	30
Hexachlorobutadiene	1	55.3219	60.1315	8.3	30
1,2,4-Trichlorobenzene	1	48.0164	49.5791	3.2	30
1,2,3-Trichlorobenzene	1	43.7289	45.978	5	30
Naphthalene	1	46.1398	46.3007	0.35	30

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92626

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91415.D	AD23438-001(MS)	5/20/2021 1:31:00 AM
Non Spike(If applicable):	11M91411.D	AD23438-001	5/20/2021 12:06:00 AM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	0	0	20	0*	50	150
Dichlorodifluoromethane	1	11.0034	0	20	55	50	150
Chloromethane	1	14.5976	0	20	73	50	150
Bromomethane	1	10.8049	1.8499	20	45*	50	150
Vinyl Chloride	1	15.6232	0	20	78	50	150
Chloroethane	1	0	0	20	0*	50	150
Trichlorofluoromethane	1	31.1459	0	20	156*	50	150
Ethyl ether	1	23.6478	0	20	118	50	150
Furan	1	18.8858	0	20	94	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	27.0982	0	20	135	50	150
Methylene Chloride	1	27.0352	0	20	135*	70	130
Acrolein	1	130.3829	0	100	130	50	150
Acrylonitrile	1	36.282	0	20	181*	50	150
Iodomethane	1	14.7403	0	20	74	50	150
Acetone	1	169.7421	0	100	170*	50	150
Carbon Disulfide	1	20.7171	0	20	104	50	150
t-Butyl Alcohol	1	92.2184	0	100	92	50	150
n-Hexane	1	26.9827	0	20	135*	70	130
Di-isopropyl-ether	1	31.1837	0	20	156*	70	130
1,1-Dichloroethene	1	24.1592	0	20	121	70	130
Methyl Acetate	1	58.1147	13.0392	20	225*	50	150
Methyl-t-butyl ether	1	33.2845	0	20	166*	70	130
1,1-Dichloroethane	1	24.4009	0	20	122	70	130
trans-1,2-Dichloroethene	1	23.2666	0	20	116	70	130
Ethyl-t-butyl ether	1	26.6324	0	20	133*	70	130
cis-1,2-Dichloroethene	1	23.9716	0	20	120	70	130
Bromochloromethane	1	25.6073	0	20	128	70	130
2,2-Dichloropropane	1	20.8474	0	20	104	70	130
Ethyl acetate	1	36.4985	0	20	182*	50	150
1,4-Dioxane	1	1081.121	0	1000	108	50	150
1,1-Dichloropropene	1	23.5078	0	20	118	70	130
Chloroform	1	23.6996	0	20	118	70	130
Cyclohexane	1	26.8488	0	20	134*	70	130
1,2-Dichloroethane	1	24.6623	0	20	123	70	130
2-Butanone	1	0	0	20	0*	50	150
1,1,1-Trichloroethane	1	23.1896	0	20	116	70	130
Carbon Tetrachloride	1	20.8432	0	20	104	50	150
Vinyl Acetate	1	17.5974	0	20	88	50	150
Bromodichloromethane	1	24.8661	0	20	124	70	130
Methylcyclohexane	1	26.3923	0	20	132*	70	130
Dibromomethane	1	23.034	0	20	115	70	130
1,2-Dichloropropane	1	25.8596	0	20	129	70	130
Trichloroethene	1	23.7255	0	20	119	70	130
Benzene	1	24.4613	0	20	122	70	130
tert-Amyl methyl ether	1	27.7039	0	20	139*	70	130
Iso-propylacetate	1	31.9743	0	20	160*	70	130
Methyl methacrylate	1	23.2195	0	20	116	70	130
Dibromochloromethane	1	23.3864	0	20	117	70	130
2-Chloroethylvinylether	1	7.5684	0	20	38*	70	130
cis-1,3-Dichloropropene	1	25.7058	1.0749	20	123	70	130
trans-1,3-Dichloropropene	1	24.6021	1.5413	20	115	70	130
Ethyl methacrylate	1	24.4794	0	20	122	70	130
1,1,2-Trichloroethane	1	25.0714	0	20	125	70	130
1,2-Dibromoethane	1	24.7661	0	20	124	70	130
1,3-Dichloropropane	1	25.1244	0	20	126	70	130
4-Methyl-2-Pentanone	1	25.8875	0	20	129	50	150
2-Hexanone	1	24.6674	0	20	123	50	150
Tetrachloroethene	1	20.5572	0	20	103	50	150
Toluene	1	25.1438	0	20	126	70	130
1,1,1,2-Tetrachloroethane	1	21.6814	0	20	108	70	130
Chlorobenzene	1	24.2808	0	20	121	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92626

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	24.3003	0	20	122	70	130
n-Amyl acetate	1	20.0371	0	20	100	70	130
Bromoform	1	20.9989	0	20	105	70	130
Ethylbenzene	1	23.1434	0	20	116	70	130
1,1,2,2-Tetrachloroethane	1	23.3049	0	20	117	70	130
Styrene	1	22.0428	0	20	110	70	130
m&p-Xylenes	1	47.9198	0	40	120	70	130
o-Xylene	1	21.696	0	20	108	70	130
trans-1,4-Dichloro-2-butene	1	20.3526	0	20	102	50	150
1,3-Dichlorobenzene	1	22.8515	0	20	114	70	130
1,4-Dichlorobenzene	1	23.3257	0	20	117	70	130
1,2-Dichlorobenzene	1	24.2036	0	20	121	70	130
Isopropylbenzene	1	22.535	0	20	113	70	130
Cyclohexanone	1	169.943	0	100	170*	50	150
Camphene	1	22.7731	0	20	114	70	130
1,2,3-Trichloropropane	1	22.5488	0	20	113	70	130
2-Chlorotoluene	1	22.487	0	20	112	70	130
p-Ethyltoluene	1	22.9079	0	20	115	70	130
4-Chlorotoluene	1	22.8594	0	20	114	70	130
n-Propylbenzene	1	23.1725	0	20	116	70	130
Bromobenzene	1	23.1617	0	20	116	70	130
1,3,5-Trimethylbenzene	1	19.6681	0	20	98	70	130
Butyl methacrylate	1	24.7388	0	20	124	70	130
t-Butylbenzene	1	23.0668	0	20	115	70	130
1,2,4-Trimethylbenzene	1	23.4227	0	20	117	70	130
sec-Butylbenzene	1	24.1	0	20	121	70	130
4-Isopropyltoluene	1	24.1437	0	20	121	70	130
n-Butylbenzene	1	24.6876	0	20	123	70	130
p-Diethylbenzene	1	24.9725	0	20	125	70	130
1,2,4,5-Tetramethylbenzene	1	27.6414	0	20	138*	70	130
1,2-Dibromo-3-Chloropropane	1	25.2979	0	20	126	50	150
Camphor	1	205.5725	0	200	103	20	150
Hexachlorobutadiene	1	26.5379	0	20	133	50	150
1,2,4-Trichlorobenzene	1	29.3005	0	20	147*	70	130
1,2,3-Trichlorobenzene	1	37.8565	0	20	189*	70	130
Naphthalene	1	37.4076	1.4139	20	180*	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92626

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91416.D	AD23438-001(MSD)	5/20/2021 1:52:00 AM
Non Spike(If applicable):	11M91411.D	AD23438-001	5/20/2021 12:06:00 AM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	0	0	20	0*	50	150
Dichlorodifluoromethane	1	9.3875	0	20	47*	50	150
Chloromethane	1	13.2748	0	20	66	50	150
Bromomethane	1	0	1.8499	20	-9.2*	50	150
Vinyl Chloride	1	13.4619	0	20	67	50	150
Chloroethane	1	0	0	20	0*	50	150
Trichlorofluoromethane	1	28.4313	0	20	142	50	150
Ethyl ether	1	20.1118	0	20	101	50	150
Furan	1	16.1553	0	20	81	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	22.3137	0	20	112	50	150
Methylene Chloride	1	22.6283	0	20	113	70	130
Acrolein	1	117.6674	0	100	118	50	150
Acrylonitrile	1	33.5815	0	20	168*	50	150
Iodomethane	1	13.5474	0	20	68	50	150
Acetone	1	169.1887	0	100	169*	50	150
Carbon Disulfide	1	17.4351	0	20	87	50	150
t-Butyl Alcohol	1	32.4091	0	100	32*	50	150
n-Hexane	1	22.6056	0	20	113	70	130
Di-isopropyl-ether	1	26.9408	0	20	135*	70	130
1,1-Dichloroethene	1	22.2325	0	20	111	70	130
Methyl Acetate	1	55.4102	13.0392	20	212*	50	150
Methyl-t-butyl ether	1	29.5585	0	20	148*	70	130
1,1-Dichloroethane	1	21.6669	0	20	108	70	130
trans-1,2-Dichloroethene	1	20.6487	0	20	103	70	130
Ethyl-t-butyl ether	1	22.9994	0	20	115	70	130
cis-1,2-Dichloroethene	1	20.976	0	20	105	70	130
Bromochloromethane	1	22.0259	0	20	110	70	130
2,2-Dichloropropane	1	18.2624	0	20	91	70	130
Ethyl acetate	1	34.5269	0	20	173*	50	150
1,4-Dioxane	1	972.4306	0	1000	97	50	150
1,1-Dichloropropene	1	21.0419	0	20	105	70	130
Chloroform	1	20.6841	0	20	103	70	130
Cyclohexane	1	23.0155	0	20	115	70	130
1,2-Dichloroethane	1	21.0247	0	20	105	70	130
2-Butanone	1	0	0	20	0*	50	150
1,1,1-Trichloroethane	1	19.3851	0	20	97	70	130
Carbon Tetrachloride	1	17.8955	0	20	89	50	150
Vinyl Acetate	1	15.8404	0	20	79	50	150
Bromodichloromethane	1	20.9984	0	20	105	70	130
Methylcyclohexane	1	22.9346	0	20	115	70	130
Dibromomethane	1	19.7455	0	20	99	70	130
1,2-Dichloropropane	1	22.6358	0	20	113	70	130
Trichloroethene	1	21.1648	0	20	106	70	130
Benzene	1	21.5775	0	20	108	70	130
tert-Amyl methyl ether	1	22.5772	0	20	113	70	130
Iso-propylacetate	1	70.6569	0	20	353*	70	130
Methyl methacrylate	1	20.4842	0	20	102	70	130
Dibromochloromethane	1	20.2529	0	20	101	70	130
2-Chloroethylvinylether	1	7.3393	0	20	37*	70	130
cis-1,3-Dichloropropene	1	22.6161	1.0749	20	108	70	130
trans-1,3-Dichloropropene	1	22.0219	1.5413	20	102	70	130
Ethyl methacrylate	1	23.3243	0	20	117	70	130
1,1,2-Trichloroethane	1	22.5959	0	20	113	70	130
1,2-Dibromoethane	1	22.718	0	20	114	70	130
1,3-Dichloropropane	1	22.0112	0	20	110	70	130
4-Methyl-2-Pentanone	1	23.7175	0	20	119	50	150
2-Hexanone	1	25.1019	0	20	126	50	150
Tetrachloroethene	1	18.4462	0	20	92	50	150
Toluene	1	21.7173	0	20	109	70	130
1,1,1,2-Tetrachloroethane	1	19.6996	0	20	98	70	130
Chlorobenzene	1	21.6701	0	20	108	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS92626

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	21.4744	0	20	107	70	130
n-Amyl acetate	1	18.7153	0	20	94	70	130
Bromoform	**1**	**19.0005**	**0**	**20**	**95**	**70**	**130**
Ethylbenzene	**1**	**19.3473**	**0**	**20**	**97**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**20.1409**	**0**	**20**	**101**	**70**	**130**
Styrene	**1**	**19.4675**	**0**	**20**	**97**	**70**	**130**
m&p-Xylenes	**1**	**40.8019**	**0**	**40**	**102**	**70**	**130**
o-Xylene	**1**	**19.1197**	**0**	**20**	**96**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	19.8773	0	20	99	50	150
1,3-Dichlorobenzene	**1**	**20.1303**	**0**	**20**	**101**	**70**	**130**
1,4-Dichlorobenzene	**1**	**20.6072**	**0**	**20**	**103**	**70**	**130**
1,2-Dichlorobenzene	**1**	**22.0242**	**0**	**20**	**110**	**70**	**130**
Isopropylbenzene	**1**	**19.9009**	**0**	**20**	**100**	**70**	**130**
Cyclohexanone	1	162.9585	0	100	163*	50	150
Camphene	1	20.2703	0	20	101	70	130
1,2,3-Trichloropropane	1	20.5219	0	20	103	70	130
2-Chlorotoluene	1	19.1088	0	20	96	70	130
p-Ethyltoluene	1	20.5393	0	20	103	70	130
4-Chlorotoluene	1	21.2294	0	20	106	70	130
n-Propylbenzene	1	20.717	0	20	104	70	130
Bromobenzene	1	21.1622	0	20	106	70	130
1,3,5-Trimethylbenzene	1	17.0851	0	20	85	70	130
Butyl methacrylate	1	22.2107	0	20	111	70	130
t-Butylbenzene	1	20.2247	0	20	101	70	130
1,2,4-Trimethylbenzene	1	20.5634	0	20	103	70	130
sec-Butylbenzene	1	21.3256	0	20	107	70	130
4-Isopropyltoluene	1	21.0594	0	20	105	70	130
n-Butylbenzene	1	21.635	0	20	108	70	130
p-Diethylbenzene	1	21.9153	0	20	110	70	130
1,2,4,5-Tetramethylbenzene	1	24.7364	0	20	124	70	130
1,2-Dibromo-3-Chloropropane	**1**	**20.1779**	**0**	**20**	**101**	**50**	**150**
Camphor	1	192.0393	0	200	96	20	150
Hexachlorobutadiene	1	22.6059	0	20	113	50	150
1,2,4-Trichlorobenzene	**1**	**25.936**	**0**	**20**	**130**	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**33.1522**	**0**	**20**	**166***	**70**	**130**
Naphthalene	1	33.2941	1.4139	20	159*	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS92626

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91416.D	AD23438-001(MSD)	5/20/2021 1:52:00 AM
Duplicate(If applicable):	11M91415.D	AD23438-001(MS)	5/20/2021 1:31:00 AM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	0	0	NA	30
Dichlorodifluoromethane	1	9.3875	11.0034	16	30
Chloromethane	1	13.2748	14.5976	9.5	30
Bromomethane	1	0	10.8049	200*	30
Vinyl Chloride	1	13.4619	15.6232	15	40
Chloroethane	1	0	0	NA	30
Trichlorofluoromethane	1	28.4313	31.1459	9.1	30
Ethyl ether	1	20.1118	23.6478	16	30
Furan	1	16.1553	18.8858	16	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1	22.3137	27.0982	19	30
Methylene Chloride	1	22.6283	27.0352	18	30
Acrolein	1	117.6674	130.3829	10	30
Acrylonitrile	1	33.5815	36.282	7.7	30
Iodomethane	1	13.5474	14.7403	8.4	30
Acetone	1	169.1887	169.7421	0.33	30
Carbon Disulfide	1	17.4351	20.7171	17	30
t-Butyl Alcohol	1	32.4091	92.2184	96*	30
n-Hexane	1	22.6056	26.9827	18	30
Di-isopropyl-ether	1	26.9408	31.1837	15	30
1,1-Dichloroethene	1	22.2325	24.1592	8.3	40
Methyl Acetate	1	55.4102	58.1147	4.8	30
Methyl-t-butyl ether	1	29.5585	33.2845	12	30
1,1-Dichloroethane	1	21.6669	24.4009	12	40
trans-1,2-Dichloroethene	1	20.6487	23.2666	12	30
Ethyl-t-butyl ether	1	22.9994	26.6324	15	30
cis-1,2-Dichloroethene	1	20.976	23.9716	13	30
Bromochloromethane	1	22.0259	25.6073	15	30
2,2-Dichloropropane	1	18.2624	20.8474	13	30
Ethyl acetate	1	34.5269	36.4985	5.6	20
1,4-Dioxane	1	972.4306	1081.121	11	30
1,1-Dichloropropene	1	21.0419	23.5078	11	30
Chloroform	1	20.6841	23.6996	14	40
Cyclohexane	1	23.0155	26.8488	15	30
1,2-Dichloroethane	1	21.0247	24.6623	16	40
2-Butanone	1	0	0	NA	40
1,1,1-Trichloroethane	1	19.3851	23.1896	18	30
Carbon Tetrachloride	1	17.8955	20.8432	15	40
Vinyl Acetate	1	15.8404	17.5974	11	30
Bromodichloromethane	1	20.9984	24.8661	17	30
Methylcyclohexane	1	22.9346	26.3923	14	30
Dibromomethane	1	19.7455	23.034	15	30
1,2-Dichloropropane	1	22.6358	25.8596	13	30
Trichloroethene	1	21.1648	23.7255	11	40
Benzene	1	21.5775	24.4613	13	40
tert-Amyl methyl ether	1	22.5772	27.7039	20	30
Iso-propylacetate	1	70.6569	31.9743	75*	30
Methyl methacrylate	1	20.4842	23.2195	13	30
Dibromochloromethane	1	20.2529	23.3864	14	30
2-Chloroethylvinylether	1	7.3393	7.5684	3.1	30
cis-1,3-Dichloropropene	1	22.6161	25.7058	13	30
trans-1,3-Dichloropropene	1	22.0219	24.6021	11	30
Ethyl methacrylate	1	23.3243	24.4794	4.8	30
1,1,2-Trichloroethane	1	22.5959	25.0714	10	30
1,2-Dibromoethane	1	22.718	24.7661	8.6	30
1,3-Dichloropropane	1	22.0112	25.1244	13	30
4-Methyl-2-Pentanone	1	23.7175	25.8875	8.7	30
2-Hexanone	1	25.1019	24.6674	1.7	30
Tetrachloroethene	1	18.4462	20.5572	11	40
Toluene	1	21.7173	25.1438	15	40
1,1,1,2-Tetrachloroethane	1	19.6996	21.6814	9.6	30
Chlorobenzene	1	21.6701	24.2808	11	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits

QC Batch: MBS92626

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Butyl acrylate	1	21.4744	24.3003	12	30
n-Amyl acetate	1	18.7153	20.0371	6.8	30
Bromoform	**1**	**19.0005**	**20.9989**	**10**	**30**
Ethylbenzene	**1**	**19.3473**	**23.1434**	**18**	**30**
1,1,2,2-Tetrachloroethane	**1**	**20.1409**	**23.3049**	**15**	**30**
Styrene	**1**	**19.4675**	**22.0428**	**12**	**30**
m&p-Xylenes	**1**	**40.8019**	**47.9198**	**16**	**30**
o-Xylene	**1**	**19.1197**	**21.696**	**13**	**30**
trans-1,4-Dichloro-2-butene	1	19.8773	20.3526	2.4	30
1,3-Dichlorobenzene	**1**	**20.1303**	**22.8515**	**13**	**30**
1,4-Dichlorobenzene	**1**	**20.6072**	**23.3257**	**12**	**40**
1,2-Dichlorobenzene	**1**	**22.0242**	**24.2036**	**9.4**	**40**
Isopropylbenzene	**1**	**19.9009**	**22.535**	**12**	**30**
Cyclohexanone	1	162.9585	169.943	4.2	30
Camphene	1	20.2703	22.7731	12	30
1,2,3-Trichloropropane	1	20.5219	22.5488	9.4	30
2-Chlorotoluene	1	19.1088	22.487	16	30
p-Ethyltoluene	1	20.5393	22.9079	11	30
4-Chlorotoluene	1	21.2294	22.8594	7.4	30
n-Propylbenzene	1	20.717	23.1725	11	40
Bromobenzene	1	21.1622	23.1617	9	30
1,3,5-Trimethylbenzene	1	17.0851	19.6681	14	30
Butyl methacrylate	1	22.2107	24.7388	11	30
t-Butylbenzene	1	20.2247	23.0668	13	30
1,2,4-Trimethylbenzene	1	20.5634	23.4227	13	30
sec-Butylbenzene	1	21.3256	24.1	12	40
4-Isopropyltoluene	1	21.0594	24.1437	14	30
n-Butylbenzene	1	21.635	24.6876	13	30
p-Diethylbenzene	1	21.9153	24.9725	13	30
1,2,4,5-Tetramethylbenzene	1	24.7364	27.6414	11	30
1,2-Dibromo-3-Chloropropane	**1**	**20.1779**	**25.2979**	**23**	**30**
Camphor	1	192.0393	205.5725	6.8	30
Hexachlorobutadiene	1	22.6059	26.5379	16	30
1,2,4-Trichlorobenzene	**1**	**25.936**	**29.3005**	**12**	**30**
1,2,3-Trichlorobenzene	**1**	**33.1522**	**37.8565**	**13**	**30**
Naphthalene	1	33.2941	37.4076	12	30

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch:MBS93436

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91457.D	AD23438-007(MS)	5/20/2021 4:54:00 PM
Non Spike(If applicable):	11M91461.D	AD23438-007	5/20/2021 6:20:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	24.722	0	20	124	50	150
Dichlorodifluoromethane	1	9.3771	0	20	47*	50	150
Chloromethane	1	13.7857	0	20	69	50	150
Bromomethane	1	10.4189	0	20	52	50	150
Vinyl Chloride	1	14.8018	0	20	74	50	150
Chloroethane	1	0	0	20	0*	50	150
Trichlorofluoromethane	1	34.231	0	20	171*	50	150
Ethyl ether	1	23.6654	0	20	118	50	150
Furan	1	20.3993	0	20	102	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	28.0301	0	20	140	50	150
Methylene Chloride	1	27.5949	0	20	138*	70	130
Acrolein	1	150.7295	0	100	151*	50	150
Acrylonitrile	1	40.4416	0	20	202*	50	150
Iodomethane	1	20.9023	0	20	105	50	150
Acetone	1	217.87	0	100	218*	50	150
Carbon Disulfide	1	20.6125	0	20	103	50	150
t-Butyl Alcohol	1	99.4535	0	100	99	50	150
n-Hexane	1	28.2637	0	20	141*	70	130
Di-isopropyl-ether	1	32.945	0	20	165*	70	130
1,1-Dichloroethene	1	25.2554	0	20	126	70	130
Methyl Acetate	1	44.8025	1.2855	20	218*	50	150
Methyl-t-butyl ether	1	35.4236	0	20	177*	70	130
1,1-Dichloroethane	1	24.5837	0	20	123	70	130
trans-1,2-Dichloroethene	1	24.4375	0	20	122	70	130
Ethyl-t-butyl ether	1	26.3802	0	20	132*	70	130
cis-1,2-Dichloroethene	1	25.2998	0	20	126	70	130
Bromochloromethane	1	27.2688	0	20	136*	70	130
2,2-Dichloropropane	1	24.9445	0	20	125	70	130
Ethyl acetate	1	27.1751	0	20	136	50	150
1,4-Dioxane	1	1079.716	0	1000	108	50	150
1,1-Dichloropropene	1	24.2697	0	20	121	70	130
Chloroform	1	25.1965	0	20	126	70	130
Cyclohexane	1	28.7448	0	20	144*	70	130
1,2-Dichloroethane	1	23.2937	0	20	116	70	130
2-Butanone	1	26.5089	0	20	133	50	150
1,1,1-Trichloroethane	1	24.1879	0	20	121	70	130
Carbon Tetrachloride	1	22.0385	0	20	110	50	150
Vinyl Acetate	1	23.5266	0	20	118	50	150
Bromodichloromethane	1	24.5365	0	20	123	70	130
Methylcyclohexane	1	26.1962	0	20	131*	70	130
Dibromomethane	1	24.695	0	20	123	70	130
1,2-Dichloropropane	1	25.5588	0	20	128	70	130
Trichloroethene	1	25.3595	0	20	127	70	130
Benzene	1	24.6298	0	20	123	70	130
tert-Amyl methyl ether	1	26.4616	0	20	132*	70	130
Iso-propylacetate	1	25.6557	0	20	128	70	130
Methyl methacrylate	1	23.7808	0	20	119	70	130
Dibromochloromethane	1	23.7006	0	20	119	70	130
2-Chloroethylvinylether	1	8.3751	0	20	42*	70	130
cis-1,3-Dichloropropene	1	26.6439	0	20	133*	70	130
trans-1,3-Dichloropropene	1	25.6731	0	20	128	70	130
Ethyl methacrylate	1	25.0315	0	20	125	70	130
1,1,2-Trichloroethane	1	26.8555	0	20	134*	70	130
1,2-Dibromoethane	1	25.9065	0	20	130	70	130
1,3-Dichloropropane	1	25.4394	0	20	127	70	130
4-Methyl-2-Pentanone	1	26.2084	0	20	131	50	150
2-Hexanone	1	24.7565	0	20	124	50	150
Tetrachloroethene	1	22.6188	0	20	113	50	150
Toluene	1	25.3682	0	20	127	70	130
1,1,1,2-Tetrachloroethane	1	22.2434	0	20	111	70	130
Chlorobenzene	1	25.8163	0	20	129	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93436

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	23.7326	0	20	119	70	130
n-Amyl acetate	1	19.9371	0	20	100	70	130
Bromoform	**1**	**20.6865**	**0**	**20**	**103**	**70**	**130**
Ethylbenzene	**1**	**21.2409**	**0**	**20**	**106**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**24.1704**	**0**	**20**	**121**	**70**	**130**
Styrene	**1**	**21.5742**	**0**	**20**	**108**	**70**	**130**
m&p-Xylenes	**1**	**47.3007**	**0**	**40**	**118**	**70**	**130**
o-Xylene	**1**	**21.6353**	**0**	**20**	**108**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	21.4614	0	20	107	50	150
1,3-Dichlorobenzene	**1**	**23.4911**	**0**	**20**	**117**	**70**	**130**
1,4-Dichlorobenzene	**1**	**23.9637**	**1.2248**	**20**	**114**	**70**	**130**
1,2-Dichlorobenzene	**1**	**25.3315**	**1.5218**	**20**	**119**	**70**	**130**
Isopropylbenzene	**1**	**22.6144**	**0**	**20**	**113**	**70**	**130**
Cyclohexanone	1	219.5087	0	100	220*	50	150
Camphene	1	23.1637	0	20	116	70	130
1,2,3-Trichloropropane	1	22.1647	0	20	111	70	130
2-Chlorotoluene	1	21.8202	0	20	109	70	130
p-Ethyltoluene	1	21.9554	0	20	110	70	130
4-Chlorotoluene	1	23.1794	0	20	116	70	130
n-Propylbenzene	1	22.9113	0	20	115	70	130
Bromobenzene	1	23.0989	0	20	115	70	130
1,3,5-Trimethylbenzene	1	18.8266	0	20	94	70	130
Butyl methacrylate	1	22.7683	0	20	114	70	130
t-Butylbenzene	1	23.2284	0	20	116	70	130
1,2,4-Trimethylbenzene	1	23.721	0	20	119	70	130
sec-Butylbenzene	1	23.9328	0	20	120	70	130
4-Isopropyltoluene	1	23.8536	0	20	119	70	130
n-Butylbenzene	1	24.997	0	20	125	70	130
p-Diethylbenzene	1	25.308	0	20	127	70	130
1,2,4,5-Tetramethylbenzene	1	28.6319	0	20	143*	70	130
1,2-Dibromo-3-Chloropropane	**1**	**22.7417**	**0**	**20**	**114**	**50**	**150**
Camphor	1	209.1909	0	200	105	20	150
Hexachlorobutadiene	1	28.0473	0	20	140	50	150
1,2,4-Trichlorobenzene	**1**	**28.8185**	**5.6622**	**20**	**116**	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**39.2596**	**0**	**20**	**196***	**70**	**130**
Naphthalene	1	38.4467	4.0515	20	172*	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93436

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91458.D	AD23438-007(MSD)	5/20/2021 5:15:00 PM
Non Spike(If applicable):	11M91461.D	AD23438-007	5/20/2021 6:20:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	20.7254	0	20	104	50	150
Dichlorodifluoromethane	1	6.9365	0	20	35*	50	150
Chloromethane	1	11.1974	0	20	56	50	150
Bromomethane	1	8.5138	0	20	43*	50	150
Vinyl Chloride	1	12.587	0	20	63	50	150
Chloroethane	1	0	0	20	0*	50	150
Trichlorofluoromethane	1	25.9016	0	20	130	50	150
Ethyl ether	1	20.5167	0	20	103	50	150
Furan	1	15.813	0	20	79	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	21.9561	0	20	110	50	150
Methylene Chloride	1	22.9677	0	20	115	70	130
Acrolein	1	119.9691	0	100	120	50	150
Acrylonitrile	1	30.8322	0	20	154*	50	150
Iodomethane	1	15.9334	0	20	80	50	150
Acetone	1	167.7705	0	100	168*	50	150
Carbon Disulfide	1	16.5749	0	20	83	50	150
t-Butyl Alcohol	1	69.5242	0	100	70	50	150
n-Hexane	1	23.0607	0	20	115	70	130
Di-isopropyl-ether	1	29.0676	0	20	145*	70	130
1,1-Dichloroethene	1	20.1473	0	20	101	70	130
Methyl Acetate	1	38.6794	1.2855	20	187*	50	150
Methyl-t-butyl ether	1	29.8952	0	20	149*	70	130
1,1-Dichloroethane	1	21.1595	0	20	106	70	130
trans-1,2-Dichloroethene	1	20.548	0	20	103	70	130
Ethyl-t-butyl ether	1	23.4018	0	20	117	70	130
cis-1,2-Dichloroethene	1	21.2742	0	20	106	70	130
Bromochloromethane	1	22.6537	0	20	113	70	130
2,2-Dichloropropane	1	20.6655	0	20	103	70	130
Ethyl acetate	1	23.735	0	20	119	50	150
1,4-Dioxane	1	751.3792	0	1000	75	50	150
1,1-Dichloropropene	1	19.8124	0	20	99	70	130
Chloroform	1	21.4186	0	20	107	70	130
Cyclohexane	1	24.4574	0	20	122	70	130
1,2-Dichloroethane	1	20.8436	0	20	104	70	130
2-Butanone	1	24.3046	0	20	122	50	150
1,1,1-Trichloroethane	1	20.4787	0	20	102	70	130
Carbon Tetrachloride	1	18.4389	0	20	92	50	150
Vinyl Acetate	1	20.7748	0	20	104	50	150
Bromodichloromethane	1	20.7727	0	20	104	70	130
Methylcyclohexane	1	22.5473	0	20	113	70	130
Dibromomethane	1	20.2423	0	20	101	70	130
1,2-Dichloropropane	1	22.0412	0	20	110	70	130
Trichloroethene	1	21.1382	0	20	106	70	130
Benzene	1	20.9712	0	20	105	70	130
tert-Amyl methyl ether	1	22.189	0	20	111	70	130
Iso-propylacetate	1	21.2235	0	20	106	70	130
Methyl methacrylate	1	21.6866	0	20	108	70	130
Dibromochloromethane	1	20.0001	0	20	100	70	130
2-Chloroethylvinylether	1	6.9181	0	20	35*	70	130
cis-1,3-Dichloropropene	1	22.0284	0	20	110	70	130
trans-1,3-Dichloropropene	1	21.5805	0	20	108	70	130
Ethyl methacrylate	1	22.0029	0	20	110	70	130
1,1,2-Trichloroethane	1	21.7583	0	20	109	70	130
1,2-Dibromoethane	1	21.8707	0	20	109	70	130
1,3-Dichloropropane	1	21.1003	0	20	106	70	130
4-Methyl-2-Pentanone	1	21.4923	0	20	107	50	150
2-Hexanone	1	19.8491	0	20	99	50	150
Tetrachloroethene	1	18.6766	0	20	93	50	150
Toluene	1	21.6105	0	20	108	70	130
1,1,1,2-Tetrachloroethane	1	18.8549	0	20	94	70	130
Chlorobenzene	1	21.4666	0	20	107	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93436

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	19.0987	0	20	95	70	130
n-Amyl acetate	1	16.1165	0	20	81	70	130
Bromoform	**1**	**16.8952**	**0**	**20**	**84**	**70**	**130**
Ethylbenzene	**1**	**19.0066**	**0**	**20**	**95**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**18.8396**	**0**	**20**	**94**	**70**	**130**
Styrene	**1**	**18.372**	**0**	**20**	**92**	**70**	**130**
m&p-Xylenes	**1**	**41.0745**	**0**	**40**	**103**	**70**	**130**
o-Xylene	**1**	**18.1868**	**0**	**20**	**91**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	17.8879	0	20	89	50	150
1,3-Dichlorobenzene	**1**	**19.5515**	**0**	**20**	**98**	**70**	**130**
1,4-Dichlorobenzene	**1**	**19.3764**	**1.2248**	**20**	**91**	**70**	**130**
1,2-Dichlorobenzene	**1**	**20.5638**	**1.5218**	**20**	**95**	**70**	**130**
Isopropylbenzene	**1**	**19.0093**	**0**	**20**	**95**	**70**	**130**
Cyclohexanone	1	161.067	0	100	161*	50	150
Camphene	1	20.1851	0	20	101	70	130
1,2,3-Trichloropropane	1	17.9872	0	20	90	70	130
2-Chlorotoluene	1	19.1337	0	20	96	70	130
p-Ethyltoluene	1	19.8561	0	20	99	70	130
4-Chlorotoluene	1	19.5832	0	20	98	70	130
n-Propylbenzene	1	19.2044	0	20	96	70	130
Bromobenzene	1	19.7216	0	20	99	70	130
1,3,5-Trimethylbenzene	1	16.206	0	20	81	70	130
Butyl methacrylate	1	19.9329	0	20	100	70	130
t-Butylbenzene	1	19.4133	0	20	97	70	130
1,2,4-Trimethylbenzene	1	20.0176	0	20	100	70	130
sec-Butylbenzene	1	20.5703	0	20	103	70	130
4-Isopropyltoluene	1	20.6669	0	20	103	70	130
n-Butylbenzene	1	20.8651	0	20	104	70	130
p-Diethylbenzene	1	21.4716	0	20	107	70	130
1,2,4,5-Tetramethylbenzene	1	23.4872	0	20	117	70	130
1,2-Dibromo-3-Chloropropane	**1**	**18.8011**	**0**	**20**	**94**	**50**	**150**
Camphor	1	147.8669	0	200	74	20	150
Hexachlorobutadiene	1	22.9566	0	20	115	50	150
1,2,4-Trichlorobenzene	**1**	**25.4732**	**5.5622**	**20**	**99**	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**31.796**	**0**	**20**	**159***	**70**	**130**
Naphthalene	1	30.4318	4.0515	20	132	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS93436

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91458.D	AD23438-007(MSD)	5/20/2021 5:15:00 PM
Duplicate(If applicable):	11M91457.D	AD23438-007(MS)	5/20/2021 4:54:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	20.7254	24.722	18	30
Dichlorodifluoromethane	**1**	**6.9365**	**9.3771**	**30**	**30**
Chloromethane	**1**	**11.1974**	**13.7857**	**21**	**30**
Bromomethane	**1**	**8.5138**	**10.4189**	**20**	**30**
Vinyl Chloride	**1**	**12.587**	**14.8018**	**16**	**40**
Chloroethane	**1**	**0**	**0**	**NA**	**30**
Trichlorofluoromethane	**1**	**25.9016**	**34.231**	**28**	**30**
Ethyl ether	1	20.5167	23.6654	14	30
Furan	1	15.813	20.3993	25	30
1,1,2-Trichloro-1,2,2-trifluoroethane	**1**	**21.9561**	**28.0301**	**24**	**30**
Methylene Chloride	**1**	**22.9677**	**27.5949**	**18**	**30**
Acrolein	1	119.9691	150.7295	23	30
Acrylonitrile	1	30.8322	40.4416	27	30
Iodomethane	1	15.9334	20.9023	27	30
Acetone	**1**	**167.7705**	**217.87**	**26**	**30**
Carbon Disulfide	**1**	**16.5749**	**20.6125**	**22**	**30**
t-Butyl Alcohol	1	69.5242	99.4535	35*	30
n-Hexane	1	23.0607	28.2637	20	30
Di-isopropyl-ether	1	29.0676	32.945	13	30
1,1-Dichloroethene	**1**	**20.1473**	**25.2554**	**23**	**40**
Methyl Acetate	**1**	**38.6794**	**44.8025**	**15**	**30**
Methyl-t-butyl ether	**1**	**29.8952**	**35.4236**	**17**	**30**
1,1-Dichloroethane	**1**	**21.1595**	**24.5837**	**15**	**40**
trans-1,2-Dichloroethene	**1**	**20.548**	**24.4375**	**17**	**30**
Ethyl-t-butyl ether	1	23.4018	26.3802	12	30
cis-1,2-Dichloroethene	**1**	**21.2742**	**25.2998**	**17**	**30**
Bromochloromethane	**1**	**22.6537**	**27.2688**	**18**	**30**
2,2-Dichloropropane	1	20.6655	24.9445	19	30
Ethyl acetate	1	23.735	27.1751	14	20
1,4-Dioxane	**1**	**751.3792**	**1079.716**	**36***	**30**
1,1-Dichloropropene	1	19.8124	24.2697	20	30
Chloroform	**1**	**21.4186**	**25.1965**	**16**	**40**
Cyclohexane	**1**	**24.4574**	**28.7448**	**16**	**30**
1,2-Dichloroethane	**1**	**20.8436**	**23.2937**	**11**	**40**
2-Butanone	**1**	**24.3046**	**26.5089**	**8.7**	**40**
1,1,1-Trichloroethane	**1**	**20.4787**	**24.1879**	**17**	**30**
Carbon Tetrachloride	**1**	**18.4389**	**22.0385**	**18**	**40**
Vinyl Acetate	1	20.7748	23.5266	12	30
Bromodichloromethane	**1**	**20.7727**	**24.5365**	**17**	**30**
Methylcyclohexane	**1**	**22.5473**	**26.1962**	**15**	**30**
Dibromomethane	1	20.2423	24.695	20	30
1,2-Dichloropropane	**1**	**22.0412**	**25.5588**	**15**	**30**
Trichloroethene	**1**	**21.1382**	**25.3595**	**18**	**40**
Benzene	**1**	**20.9712**	**24.6298**	**16**	**40**
tert-Amyl methyl ether	1	22.189	26.4616	18	30
Iso-propylacetate	1	21.2235	25.6557	19	30
Methyl methacrylate	1	21.6866	23.7808	9.2	30
Dibromochloromethane	**1**	**20.0001**	**23.7006**	**17**	**30**
2-Chloroethylvinylether	1	6.9181	8.3751	19	30
cis-1,3-Dichloropropene	**1**	**22.0284**	**26.6439**	**19**	**30**
trans-1,3-Dichloropropene	**1**	**21.5805**	**25.6731**	**17**	**30**
Ethyl methacrylate	1	22.0029	25.0315	13	30
1,1,2-Trichloroethane	**1**	**21.7583**	**26.8555**	**21**	**30**
1,2-Dibromoethane	**1**	**21.8707**	**25.9065**	**17**	**30**
1,3-Dichloropropane	1	21.1003	25.4394	19	30
4-Methyl-2-Pentanone	**1**	**21.4923**	**26.2084**	**20**	**30**
2-Hexanone	**1**	**19.8491**	**24.7565**	**22**	**30**
Tetrachloroethene	**1**	**18.6766**	**22.6188**	**19**	**40**
Toluene	**1**	**21.6105**	**25.3682**	**16**	**40**
1,1,1,2-Tetrachloroethane	1	18.8549	22.2434	16	30
Chlorobenzene	**1**	**21.4666**	**25.8163**	**18**	**40**

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS93436

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Butyl acrylate	1	19.0987	23.7326	22	30
n-Amyl acetate	1	16.1165	19.9371	21	30
Bromoform	**1**	**16.8952**	**20.6865**	**20**	**30**
Ethylbenzene	**1**	**19.0066**	**21.2409**	**11**	**30**
1,1,2,2-Tetrachloroethane	**1**	**18.8396**	**24.1704**	**25**	**30**
Styrene	**1**	**18.372**	**21.5742**	**16**	**30**
m&p-Xylenes	**1**	**41.0745**	**47.3007**	**14**	**30**
o-Xylene	**1**	**18.1868**	**21.6353**	**17**	**30**
trans-1,4-Dichloro-2-butene	1	17.8879	21.4614	18	30
1,3-Dichlorobenzene	**1**	**19.5515**	**23.4911**	**18**	**30**
1,4-Dichlorobenzene	**1**	**19.3764**	**23.9637**	**21**	**40**
1,2-Dichlorobenzene	**1**	**20.5638**	**25.3315**	**21**	**40**
Isopropylbenzene	**1**	**19.0093**	**22.6144**	**17**	**30**
Cyclohexanone	1	161.067	219.5087	31*	30
Camphene	1	20.1851	23.1637	14	30
1,2,3-Trichloropropane	1	17.9872	22.1647	21	30
2-Chlorotoluene	1	19.1337	21.8202	13	30
p-Ethyltoluene	1	19.8561	21.9554	10	30
4-Chlorotoluene	1	19.5832	23.1794	17	30
n-Propylbenzene	1	19.2044	22.9113	18	40
Bromobenzene	1	19.7216	23.0989	16	30
1,3,5-Trimethylbenzene	1	16.206	18.8266	15	30
Butyl methacrylate	1	19.9329	22.7683	13	30
t-Butylbenzene	1	19.4133	23.2284	18	30
1,2,4-Trimethylbenzene	1	20.0176	23.721	17	30
sec-Butylbenzene	1	20.5703	23.9328	15	40
4-Isopropyltoluene	1	20.6669	23.8536	14	30
n-Butylbenzene	1	20.8651	24.997	18	30
p-Diethylbenzene	1	21.4716	25.308	16	30
1,2,4,5-Tetramethylbenzene	1	23.4872	28.6319	20	30
1,2-Dibromo-3-Chloropropane	**1**	**18.8011**	**22.7417**	**19**	**30**
Camphor	1	147.8669	209.1909	34*	30
Hexachlorobutadiene	1	22.9566	28.0473	20	30
1,2,4-Trichlorobenzene	**1**	**25.4732**	**28.8185**	**12**	**30**
1,2,3-Trichlorobenzene	**1**	**31.796**	**39.2596**	**21**	**30**
Naphthalene	1	30.4318	38.4467	23	30

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93440

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91474.D	AD23491-001(MS)	5/20/2021 10:43:00 PM
Non Spike(If applicable):	11M91476.D	AD23491-001	5/20/2021 11:25:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	21.32	0	20	107	50	150
Dichlorodifluoromethane	1	6.6324	0	20	33*	50	150
Chloromethane	1	10.4853	0	20	52	50	150
Bromomethane	1	8.3245	0	20	42*	50	150
Vinyl Chloride	1	11.0038	0	20	55	50	150
Chloroethane	1	29.9455	0	20	150	50	150
Trichlorofluoromethane	1	21.113	0	20	106	50	150
Ethyl ether	1	23.6205	0	20	118	50	150
Furan	1	21.7236	0	20	109	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	18.832	0	20	94	50	150
Methylene Chloride	1	21.4488	0	20	107	70	130
Acrolein	1	96.9726	0	100	97	50	150
Acrylonitrile	1	24.7391	0	20	124	50	150
Iodomethane	1	12.3449	0	20	62	50	150
Acetone	1	109.1511	0	100	109	50	150
Carbon Disulfide	1	15.8643	0	20	79	50	150
t-Butyl Alcohol	1	47.7261	0	100	48*	50	150
n-Hexane	1	23.5471	0	20	118	70	130
Di-isopropyl-ether	1	23.5607	0	20	118	70	130
1,1-Dichloroethene	1	17.4624	0	20	87	70	130
Methyl Acetate	1	27.2493	2.5433	20	124	50	150
Methyl-t-butyl ether	1	22.5565	0	20	113	70	130
1,1-Dichloroethane	1	19.9478	0	20	100	70	130
trans-1,2-Dichloroethene	1	18.7587	0	20	94	70	130
Ethyl-t-butyl ether	1	21.9427	0	20	110	70	130
cis-1,2-Dichloroethene	1	20.3336	0	20	102	70	130
Bromochloromethane	1	20.5472	0	20	103	70	130
2,2-Dichloropropane	1	20.4449	0	20	102	70	130
Ethyl acetate	1	20.132	0	20	101	50	150
1,4-Dioxane	1	643.1464	73.958	1000	57	50	150
1,1-Dichloropropene	1	19.2382	0	20	96	70	130
Chloroform	1	20.3327	0	20	102	70	130
Cyclohexane	1	20.6364	0	20	103	70	130
1,2-Dichloroethane	1	19.4109	0	20	97	70	130
2-Butanone	1	21.8965	0	20	109	50	150
1,1,1-Trichloroethane	1	18.8966	0	20	94	70	130
Carbon Tetrachloride	1	17.5742	0	20	88	50	150
Vinyl Acetate	1	19.3886	0	20	97	50	150
Bromodichloromethane	1	19.5883	0	20	98	70	130
Methylcyclohexane	1	31.6056	7.9285	20	118	70	130
Dibromomethane	1	19.4009	0	20	97	70	130
1,2-Dichloropropane	1	21.0883	0	20	105	70	130
Trichloroethene	1	19.4329	0	20	97	70	130
Benzene	1	19.3517	0	20	97	70	130
tert-Amyl methyl ether	1	19.2247	0	20	96	70	130
Iso-propylacetate	1	18.9432	0	20	95	70	130
Methyl methacrylate	1	18.9343	0	20	95	70	130
Dibromochloromethane	1	18.5476	0	20	93	70	130
2-Chloroethylvinylether	1	7.357	0	20	37*	70	130
cis-1,3-Dichloropropene	1	21.3604	0	20	107	70	130
trans-1,3-Dichloropropene	1	20.7017	0	20	104	70	130
Ethyl methacrylate	1	20.746	0	20	104	70	130
1,1,2-Trichloroethane	1	33.5272	0	20	168*	70	130
1,2-Dibromoethane	1	20.5562	0	20	103	70	130
1,3-Dichloropropane	1	21.0939	0	20	105	70	130
4-Methyl-2-Pentanone	1	17.3835	1.303	20	80	50	150
2-Hexanone	1	12.4697	0	20	62	50	150
Tetrachloroethene	1	17.5914	0	20	88	50	150
Toluene	1	20.741	0	20	104	70	130
1,1,1,2-Tetrachloroethane	1	18.5975	0	20	93	70	130
Chlorobenzene	1	21.1931	0	20	106	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93440

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	18.6126	0	20	93	70	130
n-Amyl acetate	1	19.9301	7.5376	20	62*	70	130
Bromoform	**1**	**15.4697**	**0**	**20**	**77**	**70**	**130**
Ethylbenzene	**1**	**16.5585**	**0**	**20**	**83**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**20.0127**	**1.0294**	**20**	**95**	**70**	**130**
Styrene	**1**	**17.6487**	**0**	**20**	**88**	**70**	**130**
m&p-Xylenes	**1**	**40.0768**	**0**	**40**	**100**	**70**	**130**
o-Xylene	**1**	**17.9111**	**0**	**20**	**90**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	24.4205	1.2717	20	116	50	150
1,3-Dichlorobenzene	**1**	**19.324**	**0**	**20**	**97**	**70**	**130**
1,4-Dichlorobenzene	**1**	**20.5753**	**0**	**20**	**103**	**70**	**130**
1,2-Dichlorobenzene	**1**	**23.3496**	**0**	**20**	**117**	**70**	**130**
Isopropylbenzene	**1**	**19.4138**	**0**	**20**	**97**	**70**	**130**
Cyclohexanone	1	272.8282	175.6524	100	97	50	150
Camphene	1	25.7802	0	20	129	70	130
1,2,3-Trichloropropane	1	16.7964	0	20	84	70	130
2-Chlorotoluene	1	18.6291	0	20	93	70	130
p-Ethyltoluene	1	26.0307	6.2168	20	99	70	130
4-Chlorotoluene	1	19.0245	0	20	95	70	130
n-Propylbenzene	1	20.6655	1.1368	20	98	70	130
Bromobenzene	1	20.3334	1.3003	20	95	70	130
1,3,5-Trimethylbenzene	1	21.4425	4.9051	20	83	70	130
Butyl methacrylate	1	46.3867	0	20	232*	70	130
t-Butylbenzene	1	21.7961	0	20	109	70	130
1,2,4-Trimethylbenzene	1	27.1673	7.0773	20	100	70	130
sec-Butylbenzene	1	26.3045	2.7769	20	118	70	130
4-Isopropyltoluene	1	26.4741	3.1481	20	117	70	130
n-Butylbenzene	1	37.1794	0	20	186*	70	130
p-Diethylbenzene	1	74.217	3.9501	20	351*	70	130
1,2,4,5-Tetramethylbenzene	1	69.2725	30.1681	20	196*	70	130
1,2-Dibromo-3-Chloropropane	**1**	**25.7772**	**0**	**20**	**129**	**50**	**150**
Camphor	1	717.7437	350.8277	200	183*	20	150
Hexachlorobutadiene	1	250.9455	8.6477	20	1210*	50	150
1,2,4-Trichlorobenzene	**1**	**152.4939**	**0**	**20**	**762***	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**221.7435**	**0**	**20**	**1110***	**70**	**130**
Naphthalene	1	171.7774	10.1567	20	808*	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93440

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91475.D	AD23491-001(MSD)	5/20/2021 11:04:00 PM
Non Spike(If applicable):	11M91476.D	AD23491-001	5/20/2021 11:25:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	30.5793	0	20	153*	50	150
Dichlorodifluoromethane	1	7.9199	0	20	40*	50	150
Chloromethane	1	11.4725	0	20	57	50	150
Bromomethane	1	8.3645	0	20	42*	50	150
Vinyl Chloride	1	12.4313	0	20	62	50	150
Chloroethane	1	31.4841	0	20	157*	50	150
Trichlorofluoromethane	1	22.0459	0	20	110	50	150
Ethyl ether	1	24.4897	0	20	122	50	150
Furan	1	23.3745	0	20	117	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	19.4189	0	20	97	50	150
Methylene Chloride	1	22.6433	0	20	113	70	130
Acrolein	1	107.8596	0	100	108	50	150
Acrylonitrile	1	27.6988	0	20	138	50	150
Iodomethane	1	14.161	0	20	71	50	150
Acetone	1	127.7332	0	100	128	50	150
Carbon Disulfide	1	16.3801	0	20	82	50	150
t-Butyl Alcohol	1	76.4057	0	100	76	50	150
n-Hexane	1	25.5097	0	20	128	70	130
Di-isopropyl-ether	1	26.1946	0	20	131*	70	130
1,1-Dichloroethene	1	18.8553	0	20	94	70	130
Methyl Acetate	1	29.4743	2.5433	20	135	50	150
Methyl-t-butyl ether	1	25.4504	0	20	127	70	130
1,1-Dichloroethane	1	21.9335	0	20	110	70	130
trans-1,2-Dichloroethene	1	20.2115	0	20	101	70	130
Ethyl-t-butyl ether	1	24.997	0	20	125	70	130
cis-1,2-Dichloroethene	1	21.8709	0	20	109	70	130
Bromochloromethane	1	22.1232	0	20	111	70	130
2,2-Dichloropropane	1	21.9734	0	20	110	70	130
Ethyl acetate	1	21.8662	0	20	109	50	150
1,4-Dioxane	1	699.3505	73.958	1000	63	50	150
1,1-Dichloropropene	1	19.6215	0	20	98	70	130
Chloroform	1	19.7456	0	20	99	70	130
Cyclohexane	1	21.529	0	20	108	70	130
1,2-Dichloroethane	1	20.8925	0	20	104	70	130
2-Butanone	1	20.0787	0	20	100	50	150
1,1,1-Trichloroethane	1	18.652	0	20	93	70	130
Carbon Tetrachloride	1	17.4247	0	20	87	50	150
Vinyl Acetate	1	21.6682	0	20	108	50	150
Bromodichloromethane	1	21.2883	0	20	106	70	130
Methylcyclohexane	1	33.5061	7.9285	20	128	70	130
Dibromomethane	1	19.069	0	20	95	70	130
1,2-Dichloropropane	1	22.7973	0	20	114	70	130
Trichloroethene	1	20.0823	0	20	100	70	130
Benzene	1	21.413	0	20	107	70	130
tert-Amyl methyl ether	1	21.3617	0	20	107	70	130
Iso-propylacetate	1	20.1879	0	20	101	70	130
Methyl methacrylate	1	19.2233	0	20	96	70	130
Dibromochloromethane	1	18.0429	0	20	90	70	130
2-Chloroethylvinylether	1	7.7376	0	20	39*	70	130
cis-1,3-Dichloropropene	1	20.9427	0	20	105	70	130
trans-1,3-Dichloropropene	1	20.4761	0	20	102	70	130
Ethyl methacrylate	1	23.2551	0	20	116	70	130
1,1,2-Trichloroethane	1	33.9271	0	20	170*	70	130
1,2-Dibromoethane	1	21.5066	0	20	108	70	130
1,3-Dichloropropane	1	20.0613	0	20	100	70	130
4-Methyl-2-Pentanone	1	19.0114	1.303	20	89	50	150
2-Hexanone	1	15.9098	0	20	80	50	150
Tetrachloroethene	1	18.5555	0	20	93	50	150
Toluene	1	20.4983	0	20	102	70	130
1,1,1,2-Tetrachloroethane	1	18.7162	0	20	94	70	130
Chlorobenzene	1	20.3645	0	20	102	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS93440

Method: 8260D | Matrix: Methanol | Units: mg/Kg | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	18.4109	0	20	92	70	130
n-Amyl acetate	1	19.7665	7.5376	20	61*	70	130
Bromoform	1	15.6775	0	20	78	70	130
Ethylbenzene	1	16.4946	0	20	82	70	130
1,1,2,2-Tetrachloroethane	1	20.1107	1.0294	20	95	70	130
Styrene	1	16.5783	0	20	83	70	130
m&p-Xylenes	1	35.05	0	40	88	70	130
o-Xylene	1	16.1972	0	20	81	70	130
trans-1,4-Dichloro-2-butene	1	21.4886	1.2717	20	101	50	150
1,3-Dichlorobenzene	1	19.5664	0	20	98	70	130
1,4-Dichlorobenzene	1	20.1713	0	20	101	70	130
1,2-Dichlorobenzene	1	29.035	0	20	145*	70	130
Isopropylbenzene	1	18.2573	0	20	91	70	130
Cyclohexanone	1	257.858	175.6524	100	82	50	150
Camphene	1	25.0898	0	20	125	70	130
1,2,3-Trichloropropane	1	16.6451	0	20	83	70	130
2-Chlorotoluene	1	17.9912	0	20	90	70	130
p-Ethyltoluene	1	25.3329	6.2168	20	96	70	130
4-Chlorotoluene	1	18.6729	0	20	93	70	130
n-Propylbenzene	1	19.8324	1.1368	20	93	70	130
Bromobenzene	1	14.6496	1.3003	20	67*	70	130
1,3,5-Trimethylbenzene	1	20.7872	4.9051	20	79	70	130
Butyl methacrylate	1	49.1881	0	20	246*	70	130
t-Butylbenzene	1	21.4998	0	20	107	70	130
1,2,4-Trimethylbenzene	1	26.2973	7.0773	20	96	70	130
sec-Butylbenzene	1	25.2469	2.7769	20	112	70	130
4-Isopropyltoluene	1	26.9739	3.1481	20	119	70	130
n-Butylbenzene	1	38.5149	0	20	193*	70	130
p-Diethylbenzene	1	73.7542	3.9501	20	349*	70	130
1,2,4,5-Tetramethylbenzene	1	102.6998	30.1681	20	363*	70	130
1,2-Dibromo-3-Chloropropane	1	39.1857	0	20	196*	50	150
Camphor	1	886.5009	350.8277	200	268*	20	150
Hexachlorobutadiene	1	194.4728	8.6477	20	929*	50	150
1,2,4-Trichlorobenzene	1	154.3962	0	20	772*	70	130
1,2,3-Trichlorobenzene	1	134.7965	0	20	674*	70	130
Naphthalene	1	135.9067	10.1567	20	629*	50	150

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS93440

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M91475.D	AD23491-001(MSD)	5/20/2021 11:04:00 PM
Duplicate(If applicable):	11M91474.D	AD23491-001(MS)	5/20/2021 10:43:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	30.5793	21.32	36*	30
Dichlorodifluoromethane	1	7.9199	6.6324	18	30
Chloromethane	1	11.4725	10.4853	9	30
Bromomethane	1	8.3645	8.3245	0.48	30
Vinyl Chloride	1	12.4313	11.0038	12	40
Chloroethane	1	31.4841	29.9455	5	30
Trichlorofluoromethane	1	22.0459	21.113	4.3	30
Ethyl ether	1	24.4897	23.6205	3.6	30
Furan	1	23.3745	21.7236	7.3	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1	19.4189	18.832	3.1	30
Methylene Chloride	1	22.6433	21.4488	5.4	30
Acrolein	1	107.8596	96.9726	11	30
Acrylonitrile	1	27.6988	24.7391	11	30
Iodomethane	1	14.161	12.3449	14	30
Acetone	1	127.7332	109.1511	16	30
Carbon Disulfide	1	16.3801	15.8643	3.2	30
t-Butyl Alcohol	1	76.4057	47.7261	46*	30
n-Hexane	1	25.5097	23.5471	8	30
Di-isopropyl-ether	1	26.1946	23.5607	11	30
1,1-Dichloroethene	1	18.8553	17.4624	7.7	40
Methyl Acetate	1	29.4743	27.2493	7.8	30
Methyl-t-butyl ether	1	25.4504	22.5565	12	30
1,1-Dichloroethane	1	21.9335	19.9478	9.5	40
trans-1,2-Dichloroethene	1	20.2115	18.7587	7.5	30
Ethyl-t-butyl ether	1	24.997	21.9427	13	30
cis-1,2-Dichloroethene	1	21.8709	20.3336	7.3	30
Bromochloromethane	1	22.1232	20.5472	7.4	30
2,2-Dichloropropane	1	21.9734	20.4449	7.2	30
Ethyl acetate	1	21.8662	20.132	8.3	20
1,4-Dioxane	1	699.3505	643.1464	8.4	30
1,1-Dichloropropene	1	19.6215	19.2382	2	30
Chloroform	1	19.7456	20.3327	2.9	40
Cyclohexane	1	21.529	20.6364	4.2	30
1,2-Dichloroethane	1	20.8925	19.4109	7.4	40
2-Butanone	1	20.0787	21.8965	8.7	40
1,1,1-Trichloroethane	1	18.652	18.8966	1.3	30
Carbon Tetrachloride	1	17.4247	17.5742	0.85	40
Vinyl Acetate	1	21.6682	19.3886	11	30
Bromodichloromethane	1	21.2883	19.5883	8.3	30
Methylcyclohexane	1	33.5061	31.6056	5.8	30
Dibromomethane	1	19.069	19.4009	1.7	30
1,2-Dichloropropane	1	22.7973	21.0883	7.8	30
Trichloroethene	1	20.0823	19.4329	3.3	40
Benzene	1	21.413	19.3517	10	40
tert-Amyl methyl ether	1	21.3617	19.2247	11	30
Iso-propylacetate	1	20.1879	18.9432	6.4	30
Methyl methacrylate	1	19.2233	18.9343	1.5	30
Dibromochloromethane	1	18.0429	18.5476	2.8	30
2-Chloroethylvinylether	1	7.7376	7.357	5	30
cis-1,3-Dichloropropene	1	20.9427	21.3604	2	30
trans-1,3-Dichloropropene	1	20.4761	20.7017	1.1	30
Ethyl methacrylate	1	23.2551	20.746	11	30
1,1,2-Trichloroethane	1	33.9271	33.5272	1.2	30
1,2-Dibromoethane	1	21.5066	20.5562	4.5	30
1,3-Dichloropropane	1	20.0613	21.0939	5	30
4-Methyl-2-Pentanone	1	19.0114	17.3835	8.9	30
2-Hexanone	1	15.9098	12.4697	24	30
Tetrachloroethene	1	18.5555	17.5914	5.3	40
Toluene	1	20.4983	20.741	1.2	40
1,1,1,2-Tetrachloroethane	1	18.7162	18.5975	0.64	30
Chlorobenzene	1	20.3645	21.1931	4	40

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS93440

Method: 8260D Matrix: Methanol Units: mg/Kg QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Butyl acrylate	1	18.4109	18.6126	1.1	30
n-Amyl acetate	1	19.7665	19.9301	0.82	30
Bromoform	1	15.6775	15.4697	1.3	30
Ethylbenzene	1	16.4946	16.5585	0.39	30
1,1,2,2-Tetrachloroethane	1	20.1107	20.0127	0.49	30
Styrene	1	16.5783	17.6487	6.3	30
m&p-Xylenes	1	35.05	40.0768	13	30
o-Xylene	1	16.1972	17.9111	10	30
trans-1,4-Dichloro-2-butene	1	21.4886	24.4205	13	30
1,3-Dichlorobenzene	1	19.5664	19.324	1.2	30
1,4-Dichlorobenzene	1	20.1713	20.5753	2	40
1,2-Dichlorobenzene	1	29.035	23.3496	22	40
Isopropylbenzene	1	18.2573	19.4138	6.1	30
Cyclohexanone	1	257.858	272.8282	5.6	30
Camphene	1	25.0898	25.7802	2.7	30
1,2,3-Trichloropropane	1	16.6451	16.7964	0.9	30
2-Chlorotoluene	1	17.9912	18.6291	3.5	30
p-Ethyltoluene	1	25.3329	26.0307	2.7	30
4-Chlorotoluene	1	18.6729	19.0245	1.9	30
n-Propylbenzene	1	19.8324	20.6655	4.1	40
Bromobenzene	1	14.6496	20.3334	32*	30
1,3,5-Trimethylbenzene	1	20.7872	21.4425	3.1	30
Butyl methacrylate	1	49.1881	46.3867	5.9	30
t-Butylbenzene	1	21.4998	21.7961	1.4	30
1,2,4-Trimethylbenzene	1	26.2973	27.1673	3.3	30
sec-Butylbenzene	1	25.2469	26.3045	4.1	40
4-Isopropyltoluene	1	26.9739	26.4741	1.9	30
n-Butylbenzene	1	38.5149	37.1794	3.5	30
p-Diethylbenzene	1	73.7542	74.217	0.63	30
1,2,4,5-Tetramethylbenzene	1	102.6998	69.2725	39*	30
1,2-Dibromo-3-Chloropropane	1	39.1857	25.7772	41*	30
Camphor	1	886.5009	717.7437	21	30
Hexachlorobutadiene	1	194.4728	250.9455	25	30
1,2,4-Trichlorobenzene	1	154.3962	152.4939	1.2	30
1,2,3-Trichlorobenzene	1	134.7965	221.7435	49*	30
Naphthalene	1	135.9067	171.7774	23	30

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 8M546880.D
Matrix: Soil

Blank Analysis Date: 05/17/21 09:39
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260D

Sample Number	Data File	Analysis Date
AD23401-013	8M546887.D	05/17/21 11:52
MBS92595	8M546883.D	05/17/21 10:36

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 8M546917.D
Matrix: Soil

Blank Analysis Date: 05/17/21 21:15
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260D

Sample Number	Data File	Analysis Date
AD23414-008	8M546942.D	05/18/21 05:11
AD23414-009	8M546943.D	05/18/21 05:30
MBS92608	8M546919.D	05/17/21 21:53
AD23401-013(MS)	8M546920.D	05/17/21 22:12
AD23401-013(MSD	8M546921.D	05/17/21 22:31

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 11M91307.D
Matrix: Methanol

Blank Analysis Date: 05/18/21 11:06
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260D

Sample Number	Data File	Analysis Date
AD23414-007	11M91328.D	05/18/21 18:38
MBS92618	11M91329.D	05/18/21 19:00
AD23397-002(MS)	11M91320.D	05/18/21 15:47
AD23397-002	11M91327.D	05/18/21 18:17
AD23397-002(MSD	11M91321.D	05/18/21 16:08

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 6M140157.D
Matrix: Soil

Blank Analysis Date: 05/19/21 10:18
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260D

Sample Number	Data File	Analysis Date
AD23414-005	6M140159.D	05/19/21 11:00
MBS92624	6M140165.D	05/19/21 13:05
AD23353-006(MSD	6M140164.D	05/19/21 12:44
AD23353-006(MS)	6M140163.D	05/19/21 12:23
AD23353-006	6M140166.D	05/19/21 13:26

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 11M91401.D
Matrix: Methanol

Blank Analysis Date: 05/19/21 20:30
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260D

Sample Number	Data File	Analysis Date
AD23414-001(8uL)	11M91425.D	05/20/21 05:06
AD23414-004	11M91423.D	05/20/21 04:23
MBS92626	11M91404.D	05/19/21 21:35
AD23438-001	11M91411.D	05/20/21 00:06
AD23438-001(MS)	11M91415.D	05/20/21 01:31
AD23438-001(MSD	11M91416.D	05/20/21 01:52

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 11M91449.D
Matrix: Methanol

Blank Analysis Date: 05/20/21 14:01
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260D

Sample Number	Data File	Analysis Date
AD23414-006	11M91453.D	05/20/21 15:28
AD23438-007	11M91461.D	05/20/21 18:20
AD23438-007(MSD	11M91458.D	05/20/21 17:15
AD23438-007(MS)	11M91457.D	05/20/21 16:54
MBS93436	11M91456.D	05/20/21 16:33

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 11M91469.D
Matrix: Methanol

Blank Analysis Date: 05/20/21 20:56
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260D

Sample Number	Data File	Analysis Date
AD23414-002(80uL	11M91496.D	05/21/21 06:38
AD23414-003(400u	11M91497.D	05/21/21 06:59
AD23491-001(MS)	11M91474.D	05/20/21 22:43
AD23491-001(MSD	11M91475.D	05/20/21 23:04
MBS93440	11M91472.D	05/20/21 22:00
AD23491-001	11M91476.D	05/20/21 23:25

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 11
Data File: 11M90040.D
Analysis Date: 04/08/21 14:04
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.144 to 7.151 min

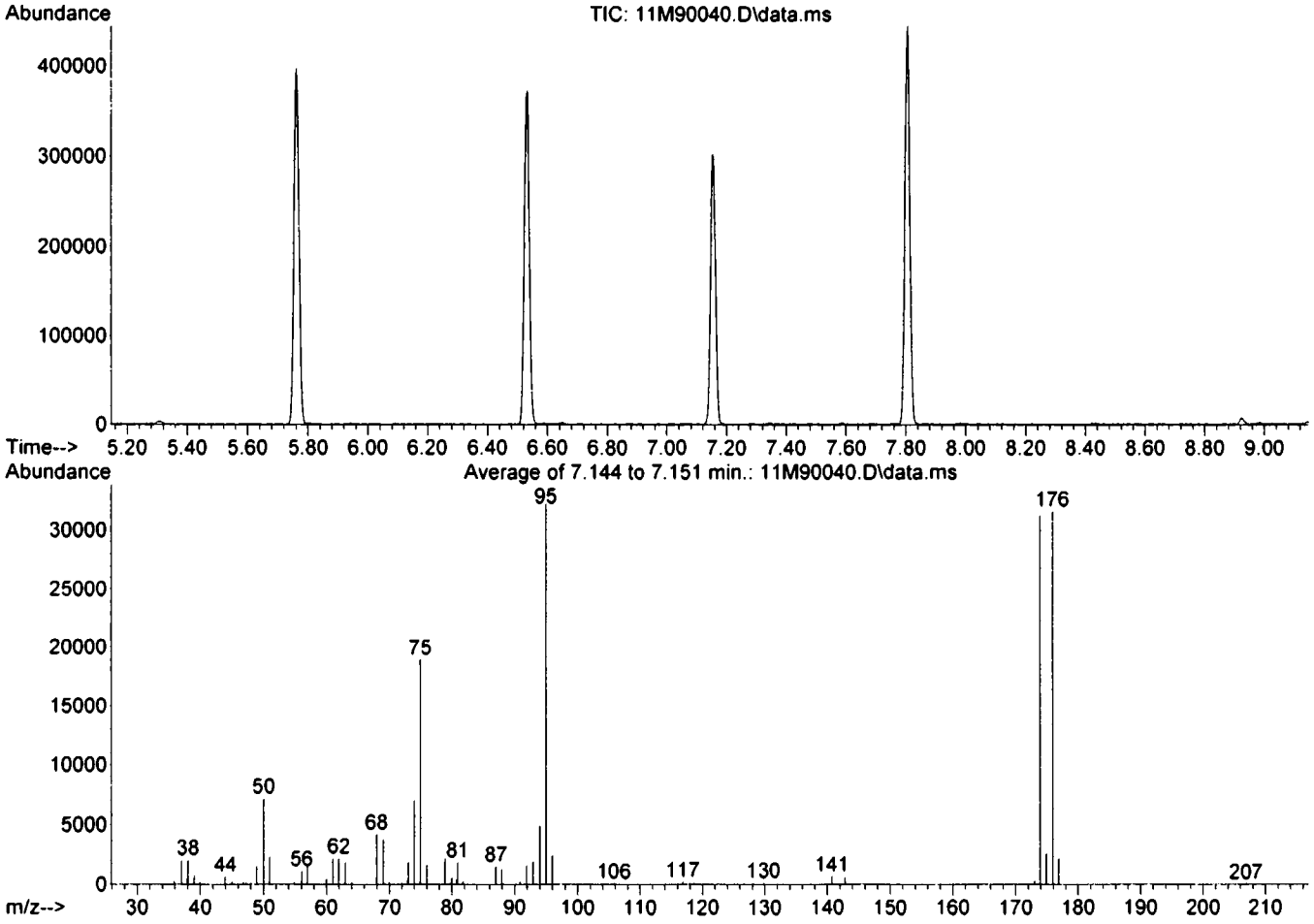
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	22.3	7201	PASS
75	95	30	60	59.0	19003	PASS
95	95	100	100	100.0	32229	PASS
96	95	5	9	7.8	2501	PASS
173	174	0.00	2	1.0	313	PASS
174	95	50	100	97.2	31320	PASS
175	174	5	9	8.4	2635	PASS
176	174	95	101	100.9	31613	PASS
177	176	5	9	7.0	2223	PASS

Data File	Sample Number	Analysis Date:
11M90042.D	CAL @ 0.5 PPB	04/08/21 14:37
11M90043.D	CAL @ 1 PPB	04/08/21 14:58
11M90044.D	CAL @ 5 PPB	04/08/21 15:18
11M90045.D	CAL @ 10 PPB	04/08/21 15:38
11M90046.D	CAL @ 20 PPB	04/08/21 15:58
11M90047.D	CAL @ 50 PPB	04/08/21 16:19
11M90048.D	CAL @ 500 PPB	04/08/21 16:39
11M90051.D	CAL @ 250 PPB	04/08/21 17:39
11M90054.D	CAL @ 100 PPB	04/08/21 18:39
11M90058.D	ICV	04/08/21 20:21
11M90060.D	BLK	04/08/21 21:01
11M90061.D	BLK	04/08/21 21:21
11M90063.D	DAILY BLANK	04/08/21 22:01
11M90064.D	DAILY BLANK	04/08/21 22:21
11M90065.D	MDL @ 1 PPB	04/08/21 22:42
11M90066.D	MDL @ 1 PPB	04/08/21 23:02

Data Path : G:\GcMsData\2021\GCMS_11\Data\04-08-21\
Data File : 11M90040.D
Acq On : 8 Apr 2021 14:04
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 4 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2021\GCMS_11\MethodQt\11M_A0211.M
Title : @GCMS_11,ug,624,8260
Last Update : Thu Feb 11 15:00:31 2021



Spectrum Information: Average of 7.144 to 7.151 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.3	7201	PASS
75	95	30	60	59.0	19003	PASS
95	95	100	100	100.0	32229	PASS
96	95	5	9	7.8	2501	PASS
173	174	0.00	2	1.0	313	PASS
174	95	50	100	97.2	31320	PASS
175	174	5	9	8.4	2635	PASS
176	174	95	101	100.9	31613	PASS
177	176	5	9	7.0	2223	PASS

RR

Form 5

Tune Name: BFB TUNE **Data File:** 8M545252.D
Instrument: GCMS 8 **Analysis Date:** 04/09/21 07:54
Method: EPA 8260D
Tune Scan/Time Range: Average of 7.365 to 7.378 min

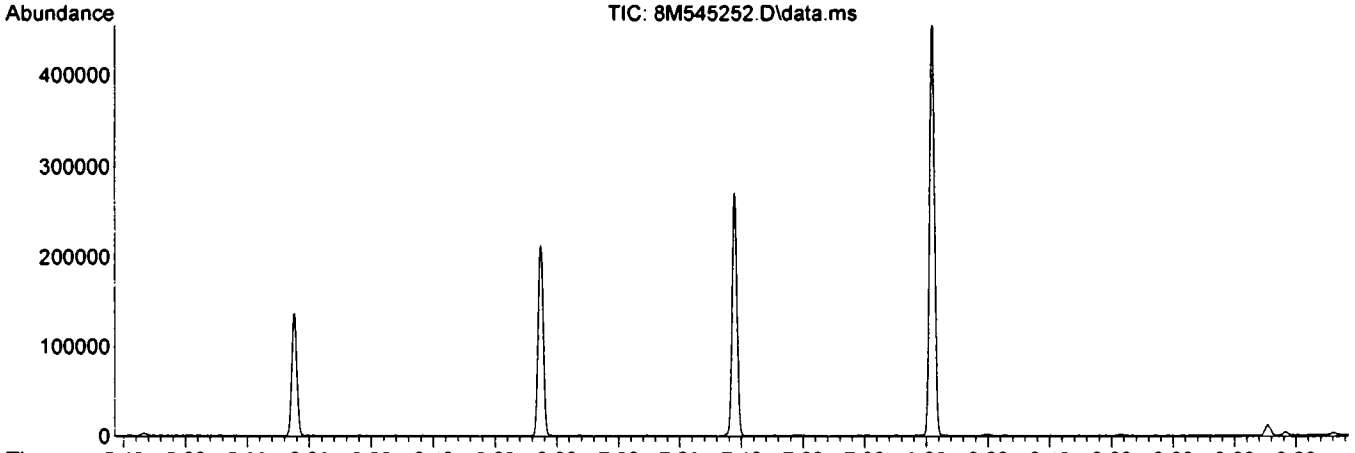
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	18.7	6124	PASS
75	95	30	60	49.6	16258	PASS
95	95	100	100	100.0	32804	PASS
96	95	5	9	7.9	2603	PASS
173	174	0.00	2	1.0	302	PASS
174	95	50	100	92.1	30200	PASS
175	174	5	9	7.9	2384	PASS
176	174	95	101	97.6	29488	PASS
177	176	5	9	6.8	2006	PASS

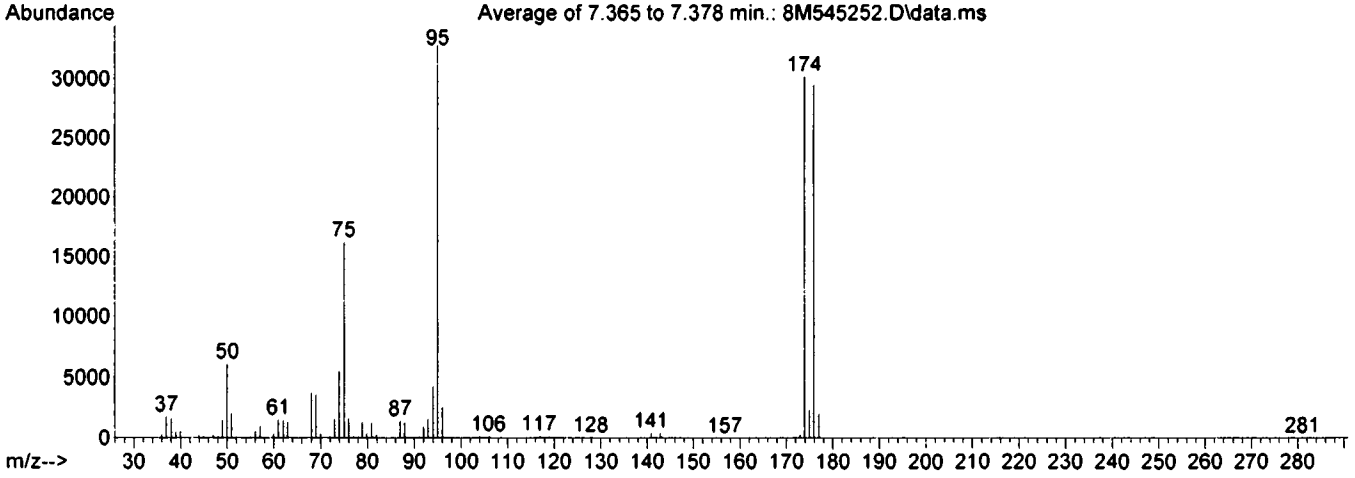
Data File	Sample Number	Analysis Date:
8M545253.D	BLK	04/09/21 08:09
8M545255.D	CAL @ 0.5 PPB	04/09/21 08:47
8M545256.D	CAL @ 1 PPB	04/09/21 09:06
8M545257.D	CAL @ 2 PPB	04/09/21 09:25
8M545258.D	CAL @ 5 PPB	04/09/21 09:44
8M545259.D	CAL @ 20 PPB	04/09/21 10:03
8M545260.D	CAL @ 50 PPB	04/09/21 10:22
8M545261.D	CAL @ 500 PPB	04/09/21 10:41
8M545263.D	CAL @ 250 PPB	04/09/21 11:19
8M545265.D	CAL @ 100 PPB	04/09/21 11:57
8M545269.D	100 PPB	04/09/21 13:13
8M545271.D	STD	04/09/21 13:51
8M545273.D	ICV	04/09/21 14:29
8M545274.D	STD	04/09/21 14:48
8M545275.D	BLK	04/09/21 15:06
8M545276.D	BLK	04/09/21 15:25
8M545277.D	DAILY BLANK	04/09/21 15:44
8M545278.D	MDL @ 1 PPB	04/09/21 16:03
8M545279.D	2 PPB	04/09/21 16:22
8M545280.D	MBS92112	04/09/21 16:41
8M545281.D	AD22712-001	04/09/21 17:00
8M545282.D	AD22628-002(MS)	04/09/21 17:19
8M545283.D	AD22628-002(MSD	04/09/21 17:38
8M545284.D	AD22628-002	04/09/21 17:57
8M545285.D	AD22307-004	04/09/21 18:16
8M545286.D	AD22307-009	04/09/21 18:35
8M545287.D	AD22307-014	04/09/21 18:54
8M545288.D	AD22730-002	04/09/21 19:13
8M545289.D	AD22691-001	04/09/21 19:32
8M545290.D	BLK	04/09/21 19:51
8M545291.D	BLK	04/09/21 20:10
8M545292.D	BLK	04/09/21 20:29
8M545293.D	BLK	04/09/21 20:48
8M545294.D	BLK-4	04/09/21 21:07
8M545295.D	BLK-DI	04/09/21 21:26

Data Path : G:\GcMsData\2021\GCMS_8\Data\04-09-21\
Data File : 8M545252.D
Acq On : 09 Apr 2021 07:54
Operator : SG
Sample : BFB TUNE
Misc : S,5G
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2021\GCMS_8\MethodQt\8M_S0409.M
Title : @GCMS_8,ug,624,8260
Last Update : Mon Apr 12 13:19:05 2021





Spectrum Information: Average of 7.365 to 7.378 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.7	6124	PASS
75	95	30	60	49.6	16258	PASS
95	95	100	100	100.0	32804	PASS
96	95	5	9	7.9	2603	PASS
173	174	0.00	2	1.0	302	PASS
174	95	50	100	92.1	30200	PASS
175	174	5	9	7.9	2384	PASS
176	174	95	101	97.6	29488	PASS
177	176	5	9	6.8	2006	PASS

PR

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 6
Data File: 6M139682.D
Analysis Date: 05/05/21 19:41
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.379 to 7.385 min

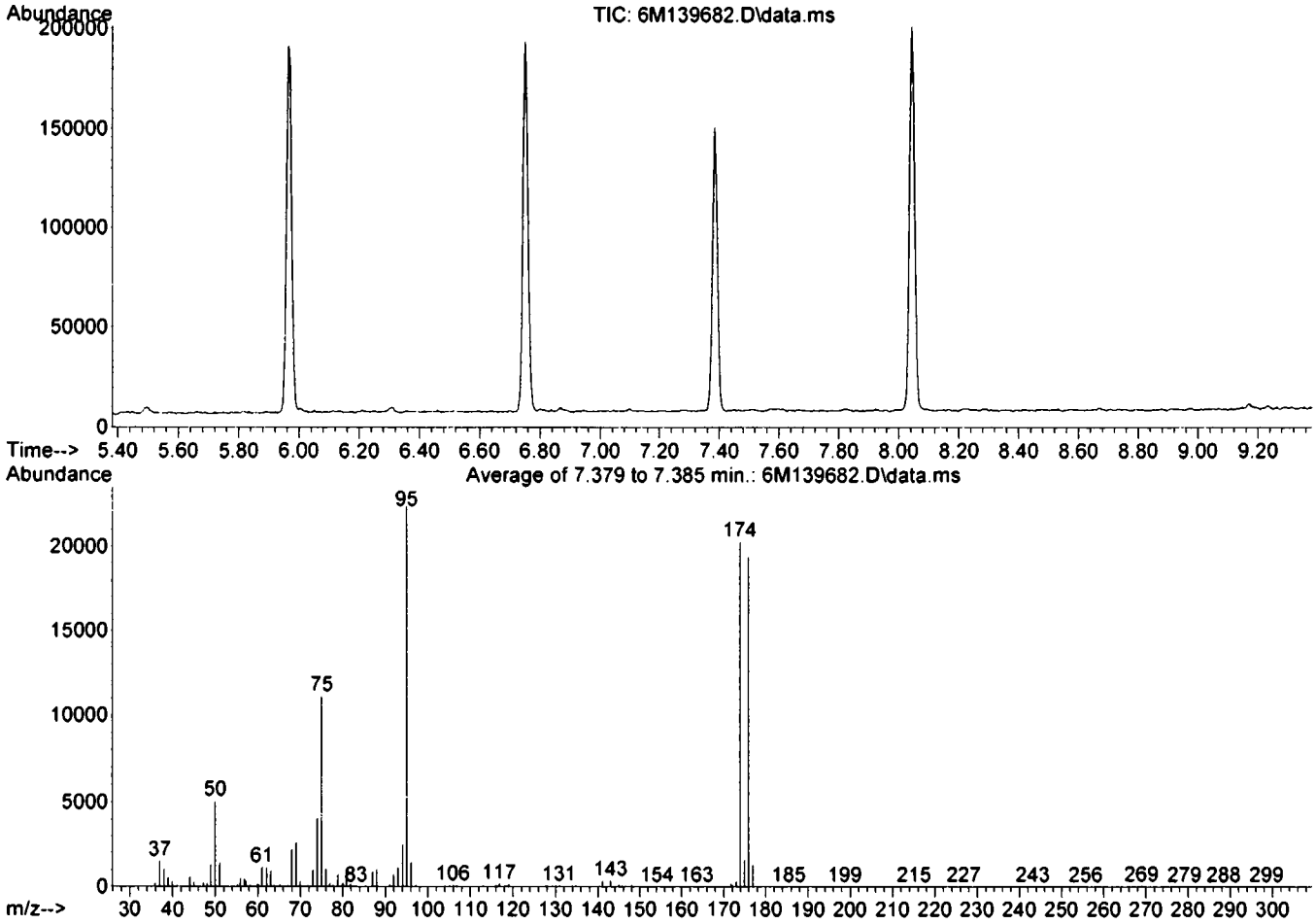
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	22.6	5072	PASS
75	95	30	60	49.7	11133	PASS
95	95	100	100	100.0	22392	PASS
96	95	5	9	6.4	1438	PASS
173	174	0.00	2	1.6	326	PASS
174	95	50	100	90.7	20307	PASS
175	174	5	9	8.0	1621	PASS
176	174	95	101	95.5	19385	PASS
177	176	5	9	6.8	1312	PASS

Data File	Sample Number	Analysis Date:
6M139683.D	CAL @ 500 PPB	05/05/21 19:56
6M139686.D	CAL @ 250 PPB	05/05/21 20:59
6M139689.D	CAL @ 100 PPB	05/05/21 22:02
6M139692.D	CAL @ 50 PPB	05/05/21 23:04
6M139694.D	CAL @ 20 PPB	05/05/21 23:46
6M139696.D	CAL @ 5 PPB	05/06/21 00:28
6M139697.D	CAL @ 2 PPB	05/06/21 00:49
6M139698.D	CAL @ 1 PPB	05/06/21 01:10
6M139699.D	CAL @ 0.5 PPB	05/06/21 01:31
6M139700.D	ICV	05/06/21 01:51
6M139701.D	STD	05/06/21 02:12
6M139702.D	BLK	05/06/21 02:33
6M139703.D	BLK	05/06/21 02:54

Data Path : G:\GcMsData\2021\GCMS_6\Data\05-05-21\
Data File : 6M139682.D
Acq On : 05 May 2021 19:41
Operator : WP
Sample : BFB TUNE
Misc : S,5G
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2021\GCMS_6\MethodQt\6M_S0409.M
Title : @GCMS_6,ug,624,8260
Last Update : Mon Apr 12 17:51:56 2021



Spectrum Information: Average of 7.379 to 7.385 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.6	5072	PASS
75	95	30	60	49.7	11133	PASS
95	95	100	100	100.0	22392	PASS
96	95	5	9	6.4	1438	PASS
173	174	0.00	2	1.6	326	PASS
174	95	50	100	90.7	20307	PASS
175	174	5	9	8.0	1621	PASS
176	174	95	101	95.5	19385	PASS
177	176	5	9	6.8	1312	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 8
Data File: 8M546874.D
Analysis Date: 05/17/21 07:49
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.368 to 7.384 min

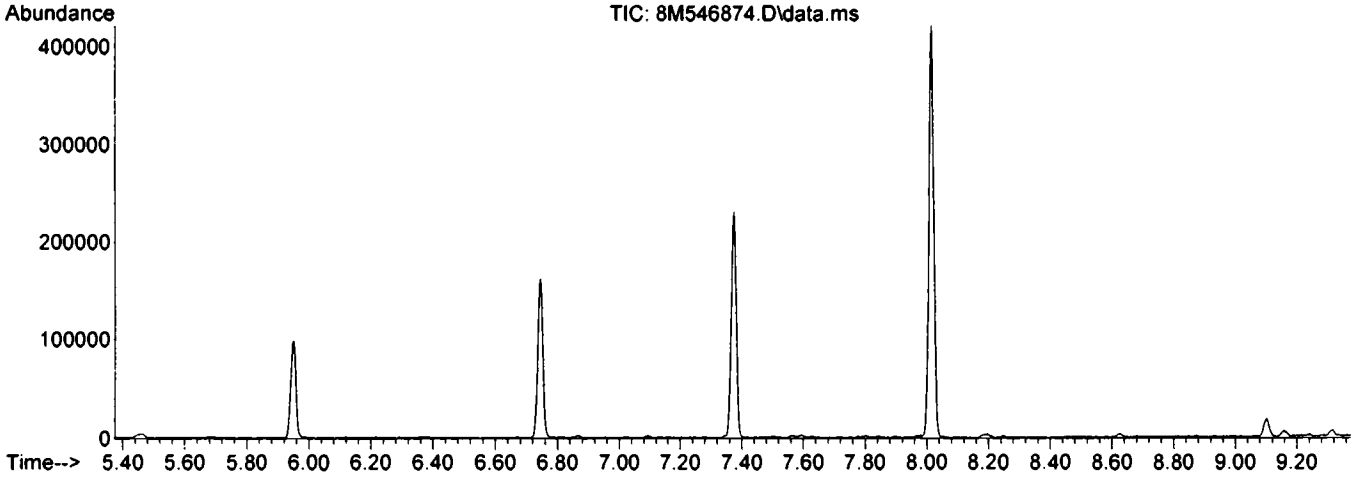
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	16.5	5933	PASS
75	95	30	60	47.2	16936	PASS
95	95	100	100	100.0	35868	PASS
96	95	5	9	7.0	2528	PASS
173	174	0.00	2	0.2	76	PASS
174	95	50	100	91.1	32683	PASS
175	174	5	9	7.5	2449	PASS
176	174	95	101	97.8	31972	PASS
177	176	5	9	6.4	2057	PASS

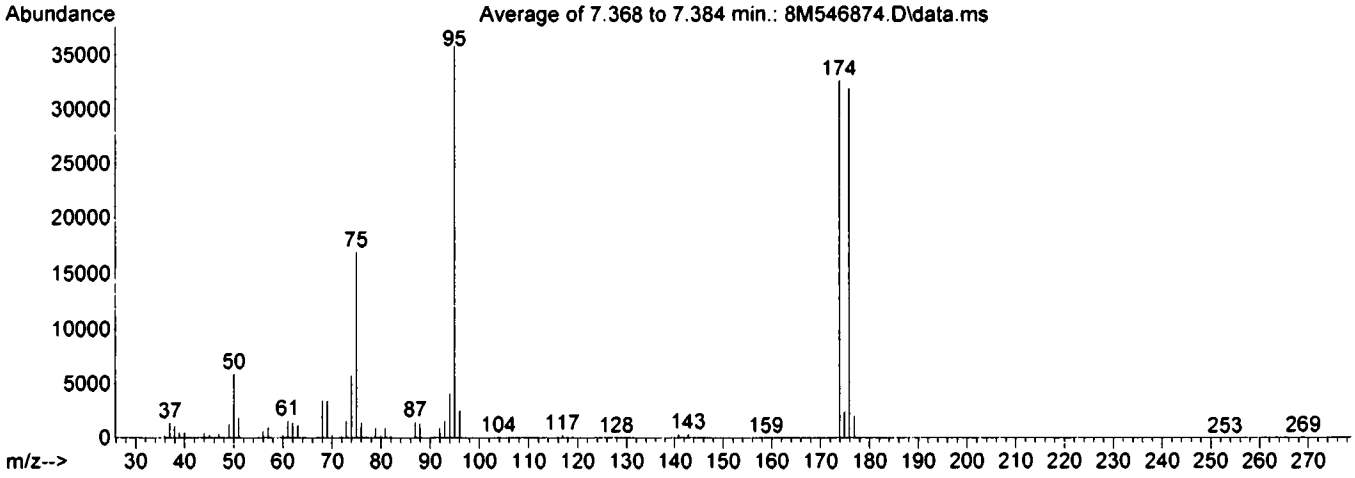
Data File	Sample Number	Analysis Date:
8M546876.D	CAL @ 50 PPB	05/17/21 08:24
8M546878.D	BLK-DI	05/17/21 09:01
8M546879.D	BLK	05/17/21 09:20
8M546880.D	DAILY BLANK	05/17/21 09:39
8M546881.D	AD23327-003	05/17/21 09:58
8M546882.D	AD23327-005	05/17/21 10:17
8M546883.D	MBS92595	05/17/21 10:36
8M546884.D	AD23401-005(5X)	05/17/21 10:55
8M546885.D	AD23401-013(5X)	05/17/21 11:14
8M546886.D	AD23327-003(MS)	05/17/21 11:33
8M546887.D	AD23401-013	05/17/21 11:52
8M546888.D	AD23401-005	05/17/21 12:11
8M546889.D	AD23327-003(MSD	05/17/21 12:30
8M546890.D	23327-003	05/17/21 12:49
8M546891.D	BLK	05/17/21 13:08
8M546892.D	AD23360-002	05/17/21 13:27
8M546893.D	AD23360-003	05/17/21 13:46
8M546894.D	AD23360-007	05/17/21 14:05
8M546895.D	AD23360-006	05/17/21 14:24
8M546896.D	BLK	05/17/21 14:43
8M546897.D	AD23356-004	05/17/21 15:02
8M546898.D	AD23356-009	05/17/21 15:21
8M546899.D	AD23383-010	05/17/21 15:40
8M546900.D	AD23383-005	05/17/21 15:59
8M546901.D	BLK	05/17/21 16:18
8M546902.D	AD23360-008	05/17/21 16:37
8M546903.D	AD23360-009	05/17/21 16:56
8M546904.D	AD23360-014	05/17/21 17:15
8M546905.D	AD23360-001	05/17/21 17:34
8M546906.D	AD23360-013	05/17/21 17:53
8M546907.D	AD23360-015	05/17/21 18:12
8M546908.D	AD23406-005	05/17/21 18:31
8M546909.D	AD23406-010	05/17/21 18:50
8M546910.D	MBS92602	05/17/21 19:09

Data Path : G:\GcMsData\2021\GCMS_8\Data\05-17-21\
Data File : 8M546874.D
Acq On : 17 May 2021 07:49
Operator : SG
Sample : BFB TUNE
Misc : S,5G
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2021\GCMS_8\MethodQt\8M_S0409.M
Title : @GCMS_8,ug,624,8260
Last Update : Mon Apr 12 13:19:05 2021





Spectrum Information: Average of 7.368 to 7.384 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.5	5933	PASS
75	95	30	60	47.2	16936	PASS
95	95	100	100	100.0	35868	PASS
96	95	5	9	7.0	2528	PASS
173	174	0.00	2	0.2	76	PASS
174	95	50	100	91.1	32683	PASS
175	174	5	9	7.5	2449	PASS
176	174	95	101	97.8	31972	PASS
177	176	5	9	6.4	2057	PASS

RK

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 8
Data File: 8M546911.D
Analysis Date: 05/17/21 19:25
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.355 to 7.384 min

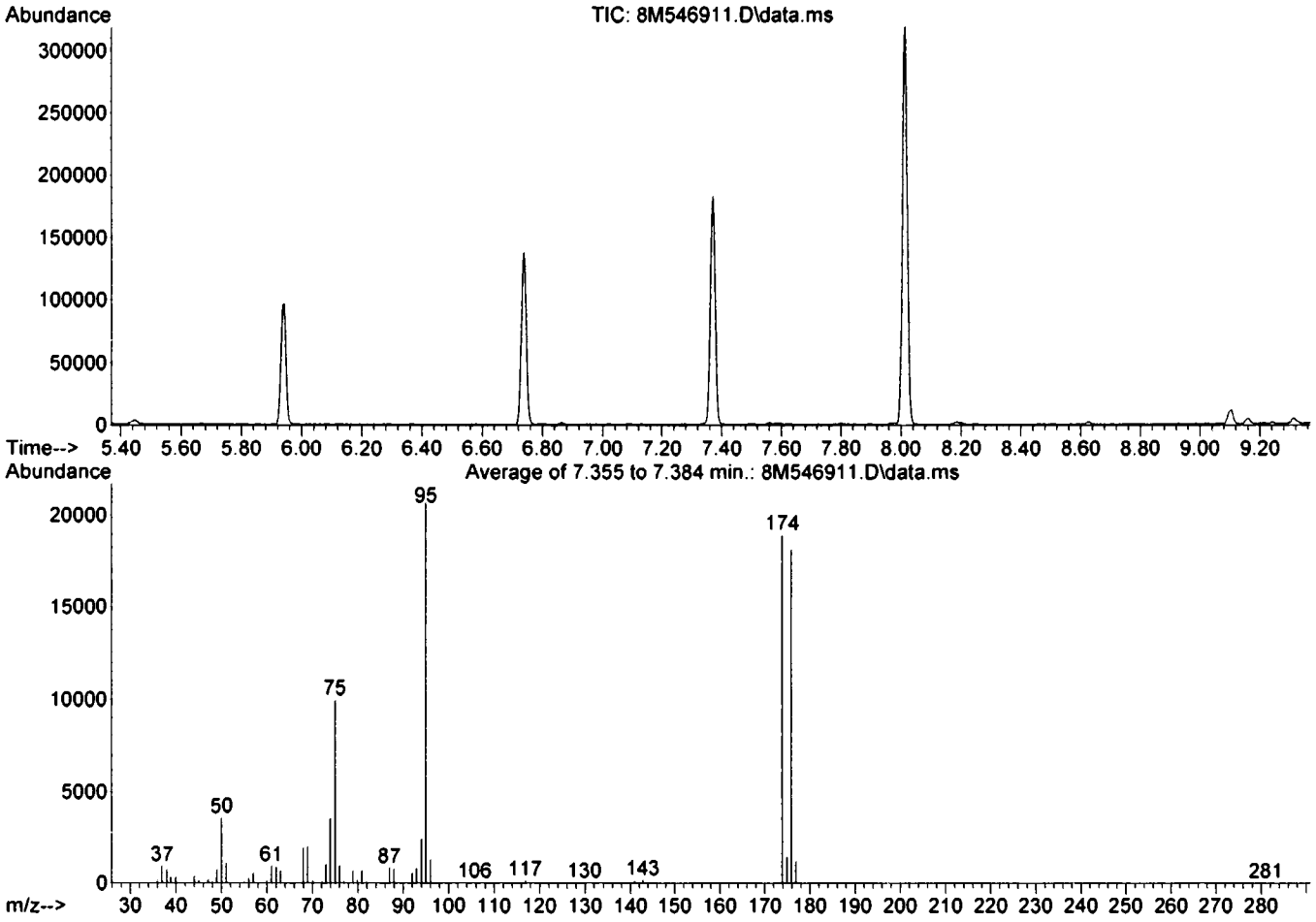
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	17.4	3598	PASS
75	95	30	60	48.2	9992	PASS
95	95	100	100	100.0	20710	PASS
96	95	5	9	6.4	1317	PASS
173	174	0.00	2	0.1	20	PASS
174	95	50	100	91.6	18969	PASS
175	174	5	9	7.6	1449	PASS
176	174	95	101	95.7	18147	PASS
177	176	5	9	6.6	1194	PASS

Data File	Sample Number	Analysis Date:
8M546913.D	CAL @ 50 PPB	05/17/21 19:59
8M546914.D	50 PPB	05/17/21 20:18
8M546915.D	BLK	05/17/21 20:37
8M546916.D	BLK	05/17/21 20:56
8M546917.D	DAILY BLANK	05/17/21 21:15
8M546918.D	AD23360-001	05/17/21 21:34
8M546919.D	MBS92608	05/17/21 21:53
8M546920.D	AD23401-013(MS)	05/17/21 22:12
8M546921.D	AD23401-013(MSD	05/17/21 22:31
8M546922.D	BLK	05/17/21 22:50
8M546923.D	BLK	05/17/21 23:09
8M546924.D	AD23406-005	05/17/21 23:28
8M546925.D	AD23399-011	05/17/21 23:47
8M546926.D	AD23399-014	05/18/21 00:06
8M546927.D	AD23400-014	05/18/21 00:25
8M546928.D	AD23400-015	05/18/21 00:44
8M546929.D	AD23400-016	05/18/21 01:03
8M546930.D	AD23406-015	05/18/21 01:22
8M546931.D	BLK	05/18/21 01:41
8M546932.D	AD23430-010	05/18/21 02:00
8M546933.D	AD23430-005	05/18/21 02:19
8M546934.D	AD23428-001	05/18/21 02:38
8M546935.D	BLK	05/18/21 02:58
8M546936.D	AD23411-005	05/18/21 03:17
8M546937.D	AD23411-003	05/18/21 03:36
8M546938.D	AD23411-001	05/18/21 03:55
8M546939.D	AD23396-001	05/18/21 04:14
8M546940.D	AD23396-003	05/18/21 04:33
8M546941.D	BLK	05/18/21 04:52
8M546942.D	AD23414-008	05/18/21 05:11
8M546943.D	AD23414-009	05/18/21 05:30
8M546944.D	AD23414-007	05/18/21 05:49
8M546945.D	BLK	05/18/21 06:08
8M546946.D	AD23394-003	05/18/21 06:27
8M546949.D	BLK-DI	05/18/21 07:24

Data Path : G:\GcMsData\2021\GCMS_8\Data\05-1721\
Data File : 8M546911.D
Acq On : 17 May 2021 19:25
Operator : WP
Sample : BFB TUNE
Misc : S,5G
ALS Vial : 38 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2021\GCMS_8\MethodQt\8M_S0409.M
Title : @GCMS_8,ug,624,8260
Last Update : Mon Apr 12 13:19:05 2021



Spectrum Information: Average of 7.355 to 7.384 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.4	3598	PASS
75	95	30	60	48.2	9992	PASS
95	95	100	100	100.0	20710	PASS
96	95	5	9	6.4	1317	PASS
173	174	0.00	2	0.1	20	PASS
174	95	50	100	91.6	18969	PASS
175	174	5	9	7.6	1449	PASS
176	174	95	101	95.7	18147	PASS
177	176	5	9	6.6	1194	PASS

RR

Form 5

Tune Name: BFB TUNE **Data File:** 11M91301.D
Instrument: GCMS 11 **Analysis Date:** 05/18/21 09:06
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.144 to 7.157 min

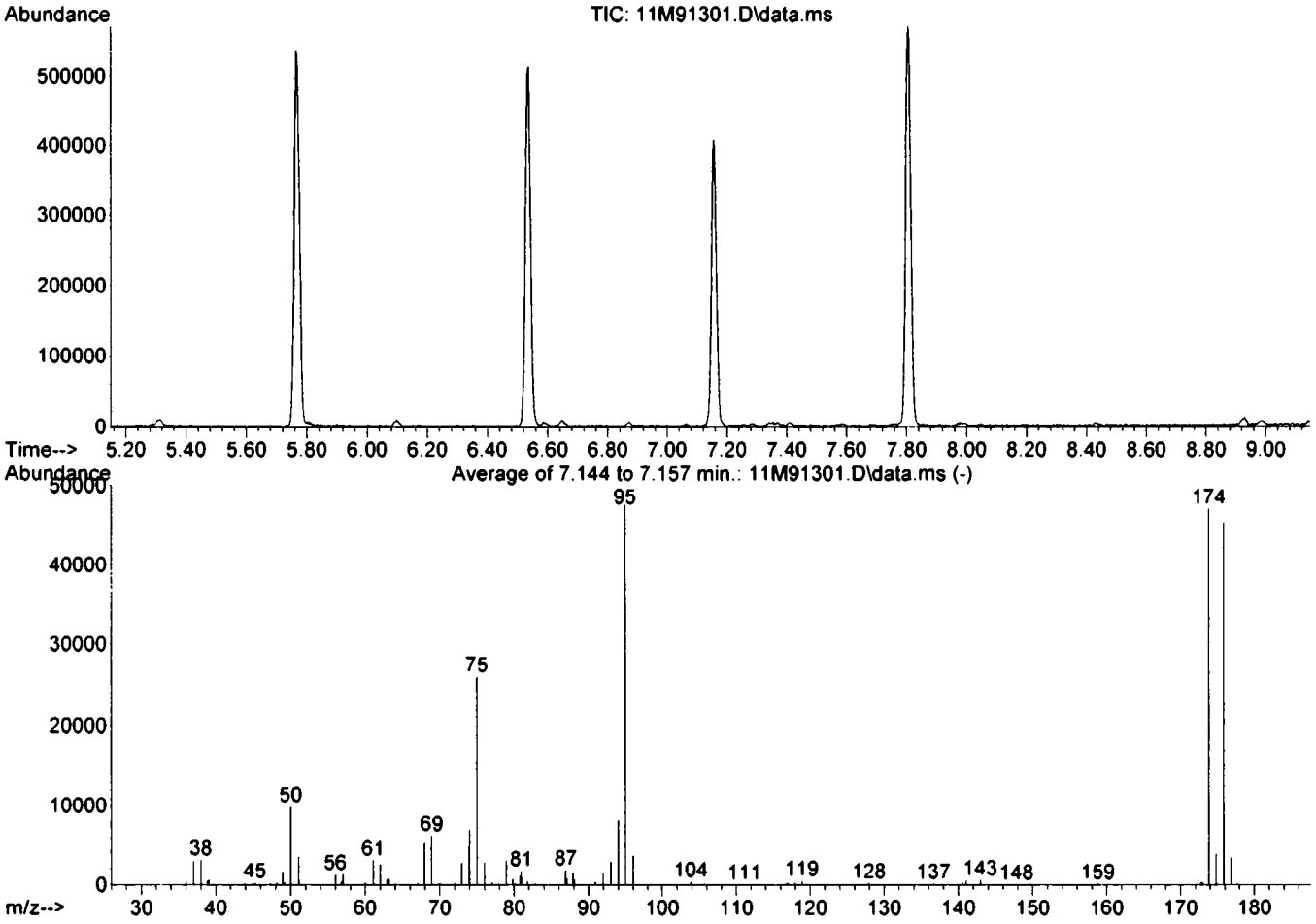
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.7	9858	PASS
75	95	30	60	54.5	25970	PASS
95	95	100	100	100.0	47643	PASS
96	95	5	9	7.8	3719	PASS
173	174	0.00	2	0.9	432	PASS
174	95	50	100	98.9	47136	PASS
175	174	5	9	8.4	3945	PASS
176	174	95	101	96.4	45430	PASS
177	176	5	9	7.6	3444	PASS

Data File	Sample Number	Analysis Date:
11M91303.D	20 PPB	05/18/21 09:40
11M91304.D	CAL @ 20 PPB	05/18/21 10:02
11M91305.D	BLK-DI	05/18/21 10:23
11M91306.D	BLK-HCL	05/18/21 10:45
11M91307.D	DAILY BLANK	05/18/21 11:06
11M91308.D	DAILY BLANK	05/18/21 11:28
11M91309.D	BLK	05/18/21 11:50
11M91310.D	AD23415-001	05/18/21 12:11
11M91311.D	AD23415-005	05/18/21 12:33
11M91312.D	AD23415-006	05/18/21 12:54
11M91313.D	MBS92611	05/18/21 13:15
11M91314.D	MBS92613	05/18/21 13:37
11M91315.D	23412-001(50X)	05/18/21 13:59
11M91316.D	AD23375-007(8uL)	05/18/21 14:20
11M91317.D	AD23375-008(80uL	05/18/21 14:42
11M91318.D	AD23375-020	05/18/21 15:03
11M91319.D	AD23375-009(80uL	05/18/21 15:25
11M91320.D	AD23397-002(MS)	05/18/21 15:47
11M91321.D	AD23397-002(MSD	05/18/21 16:08
11M91322.D	AD23415-001(MS)	05/18/21 16:29
11M91323.D	AD23415-001(MSD	05/18/21 16:51
11M91324.D	BLK	05/18/21 17:12
11M91325.D	MBS92617	05/18/21 17:34
11M91326.D	STD	05/18/21 17:55
11M91327.D	AD23397-002	05/18/21 18:17
11M91328.D	AD23414-007	05/18/21 18:38
11M91329.D	MBS92618	05/18/21 19:00
11M91330.D	23375-008(8uL)	05/18/21 19:21
11M91331.D	AD23375-011(8uL)	05/18/21 19:43
11M91332.D	AD23375-012(8uL)	05/18/21 20:04
11M91333.D	AD23375-013(8uL)	05/18/21 20:26
11M91334.D	AD23375-014(8uL)	05/18/21 20:48
11M91335.D	23375-015(80uL)	05/18/21 21:09

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-18-21\
Data File : 11M91301.D
Acq On : 18 May 2021 9:06
Operator : SG
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 6 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2021\GCMS_11\MethodQt\11M_A0408.M
Title : @GCMS_11,ug,624,8260
Last Update : Fri Apr 09 09:49:46 2021



Spectrum Information: Average of 7.144 to 7.157 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.7	9858	PASS
75	95	30	60	54.5	25970	PASS
95	95	100	100	100.0	47643	PASS
96	95	5	9	7.8	3719	PASS
173	174	0.00	2	0.9	432	PASS
174	95	50	100	98.9	47136	PASS
175	174	5	9	8.4	3945	PASS
176	174	95	101	96.4	45430	PASS
177	176	5	9	7.6	3444	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 6
Data File: 6M140150.D
Analysis Date: 05/19/21 07:57
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.373 to 7.391 min

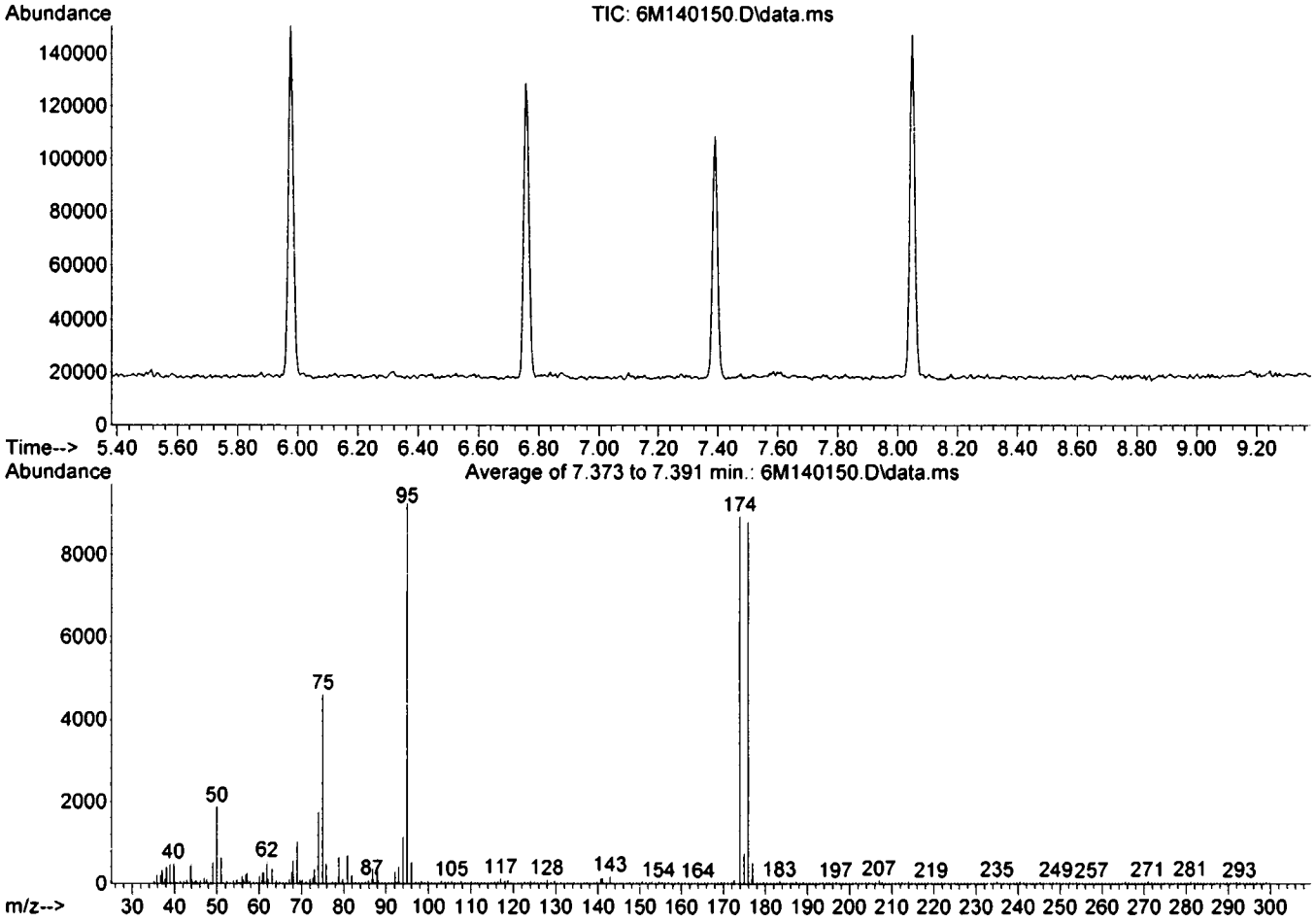
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.3	1886	PASS
75	95	30	60	49.9	4622	PASS
95	95	100	100	100.0	9268	PASS
96	95	5	9	5.7	529	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	96.5	8947	PASS
175	174	5	9	8.5	760	PASS
176	174	95	101	98.6	8821	PASS
177	176	5	9	6.0	528	PASS

Data File	Sample Number	Analysis Date:
6M140152.D	CAL @ 50 PPB	05/19/21 08:33
6M140154.D	JUG-1	05/19/21 09:15
6M140155.D	JUG-2	05/19/21 09:36
6M140156.D	DI	05/19/21 09:57
6M140157.D	DAILY BLANK	05/19/21 10:18
6M140158.D	AD23400-001	05/19/21 10:39
6M140159.D	AD23414-005	05/19/21 11:00
6M140160.D	AD23375-009	05/19/21 11:21
6M140161.D	AD23414-006	05/19/21 11:42
6M140162.D	MBS92622	05/19/21 12:02
6M140163.D	AD23353-006(MS)	05/19/21 12:23
6M140164.D	AD23353-006(MSD	05/19/21 12:44
6M140165.D	MBS92624	05/19/21 13:05
6M140166.D	AD23353-006	05/19/21 13:26
6M140167.D	BLK	05/19/21 13:47
6M140168.D	AD23433-002(5X)	05/19/21 14:08
6M140169.D	AD23438-001	05/19/21 14:29
6M140170.D	AD23438-002	05/19/21 14:50
6M140171.D	AD23438-003	05/19/21 15:11
6M140172.D	AD23438-004	05/19/21 15:32
6M140173.D	AD23438-005	05/19/21 15:53
6M140174.D	AD23438-006	05/19/21 16:13
6M140175.D	AD23438-007	05/19/21 16:34
6M140176.D	AD23438-008	05/19/21 16:55
6M140177.D	AD23438-009	05/19/21 17:16
6M140178.D	BLK-JUG1	05/19/21 17:37
6M140179.D	BLK	05/19/21 17:58
6M140180.D	AD23466-002	05/19/21 18:19
6M140181.D	BLK	05/19/21 18:40
6M140182.D	AD23462-001(5X)	05/19/21 19:01
6M140183.D	BLK	05/19/21 19:22
6M140184.D	23440-001	05/19/21 19:43

Data Path : G:\GcMsData\2021\GCMS_6\Data\05-19-21\
Data File : 6M140150.D
Acq On : 19 May 2021 07:57
Operator : SG
Sample : BFB TUNE
Misc : S,5G
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2021\GCMS_6\MethodQt\6M_S0505.M
Title : @GCMS_6,ug,624,8260
Last Update : Thu May 06 12:15:26 2021



Spectrum Information: Average of 7.373 to 7.391 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.3	1886	PASS
75	95	30	60	49.9	4622	PASS
95	95	100	100	100.0	9268	PASS
96	95	5	9	5.7	529	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	96.5	8947	PASS
175	174	5	9	8.5	760	PASS
176	174	95	101	98.6	8821	PASS
177	176	5	9	6.0	528	PASS

RR

Form 5

Tune Name: BFB TUNE **Data File:** 11M91392.D
Instrument: GCMS 11 **Analysis Date:** 05/19/21 17:25
Method: EPA 8260D
Tune Scan/Time Range: Average of 7.157 to 7.160 min

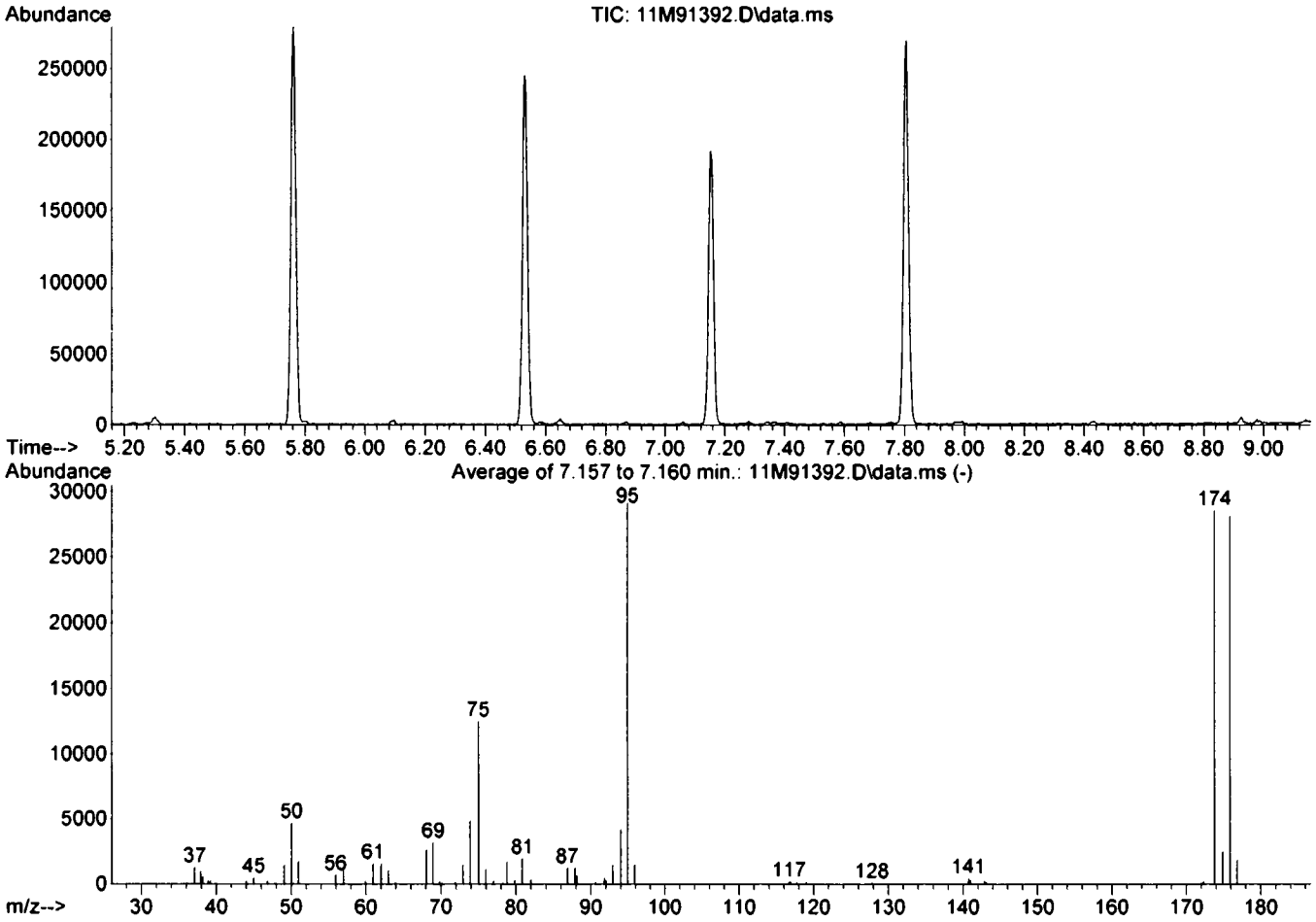
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	16.2	4722	PASS
75	95	30	60	43.0	12544	PASS
95	95	100	100	100.0	29145	PASS
96	95	5	9	5.3	1543	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	98.1	28593	PASS
175	174	5	9	8.8	2507	PASS
176	174	95	101	98.5	28175	PASS
177	176	5	9	6.7	1898	PASS

Data File	Sample Number	Analysis Date:
11M91393.D	CAL @ 20 PPB	05/19/21 17:38
11M91394.D	20 PPB	05/19/21 18:00
11M91395.D	BLK	05/19/21 18:21
11M91396.D	BLK	05/19/21 18:43
11M91397.D	DAILY BLANK	05/19/21 19:04
11M91398.D	AD23415-007	05/19/21 19:26
11M91399.D	AD23415-008	05/19/21 19:47
11M91400.D	AD23415-009	05/19/21 20:09
11M91401.D	DAILY BLANK	05/19/21 20:30
11M91402.D	MBS92625	05/19/21 20:52
11M91403.D	AD23454-001(80uL	05/19/21 21:13
11M91404.D	MBS92626	05/19/21 21:35
11M91405.D	AD23430-004(T)	05/19/21 21:56
11M91406.D	AD23392-002(5X)(	05/19/21 22:18
11M91407.D	AD23392-001(10X)	05/19/21 22:40
11M91408.D	AD23392-003(10X)	05/19/21 23:01
11M91409.D	23445-001(10X)	05/19/21 23:23
11M91410.D	EF-1-V-350008(051	05/19/21 23:44
11M91411.D	AD23438-001	05/20/21 00:06
11M91412.D	AD23454-001	05/20/21 00:27
11M91413.D	AD23430-004(T:M	05/20/21 00:49
11M91414.D	AD23430-004(T:M	05/20/21 01:10
11M91415.D	AD23438-001(MS)	05/20/21 01:31
11M91416.D	AD23438-001(MSD	05/20/21 01:52
11M91417.D	BLK	05/20/21 02:14
11M91418.D	BLK	05/20/21 02:35
11M91419.D	AD23375-016	05/20/21 02:57
11M91420.D	AD23375-017(80uL	05/20/21 03:19
11M91421.D	AD23375-018	05/20/21 03:40
11M91422.D	AD23375-019	05/20/21 04:02
11M91423.D	AD23414-004	05/20/21 04:23
11M91424.D	AD23375-020(8uL)	05/20/21 04:45
11M91425.D	AD23414-001(8uL)	05/20/21 05:06
11M91426.D	AD23414-002(40uL	05/20/21 05:28
11M91427.D	AD23414-003(400u	05/20/21 05:49
11M91428.D	AD23394-004	05/20/21 06:11
11M91429.D	AD23394-001(80uL	05/20/21 06:32
11M91430.D	AD23375-010	05/20/21 06:54
11M91431.D	BLK	05/20/21 07:16
11M91432.D	BLK	05/20/21 07:37

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-19-21\
Data File : 11M91392.D
Acq On : 19 May 2021 17:25
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 27 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2021\GCMS_11\MethodQt\11M_A0408.M
Title : @GCMS_11,ug,624,8260
Last Update : Fri Apr 09 09:49:46 2021



Spectrum Information: Average of 7.157 to 7.160 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.2	4722	PASS
75	95	30	60	43.0	12544	PASS
95	95	100	100	100.0	29145	PASS
96	95	5	9	5.3	1543	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	98.1	28593	PASS
175	174	5	9	8.8	2507	PASS
176	174	95	101	98.5	28175	PASS
177	176	5	9	6.7	1898	PASS

RK

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 11
Data File: 11M91433.D
Analysis Date: 05/20/21 07:58
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.141 to 7.151 min

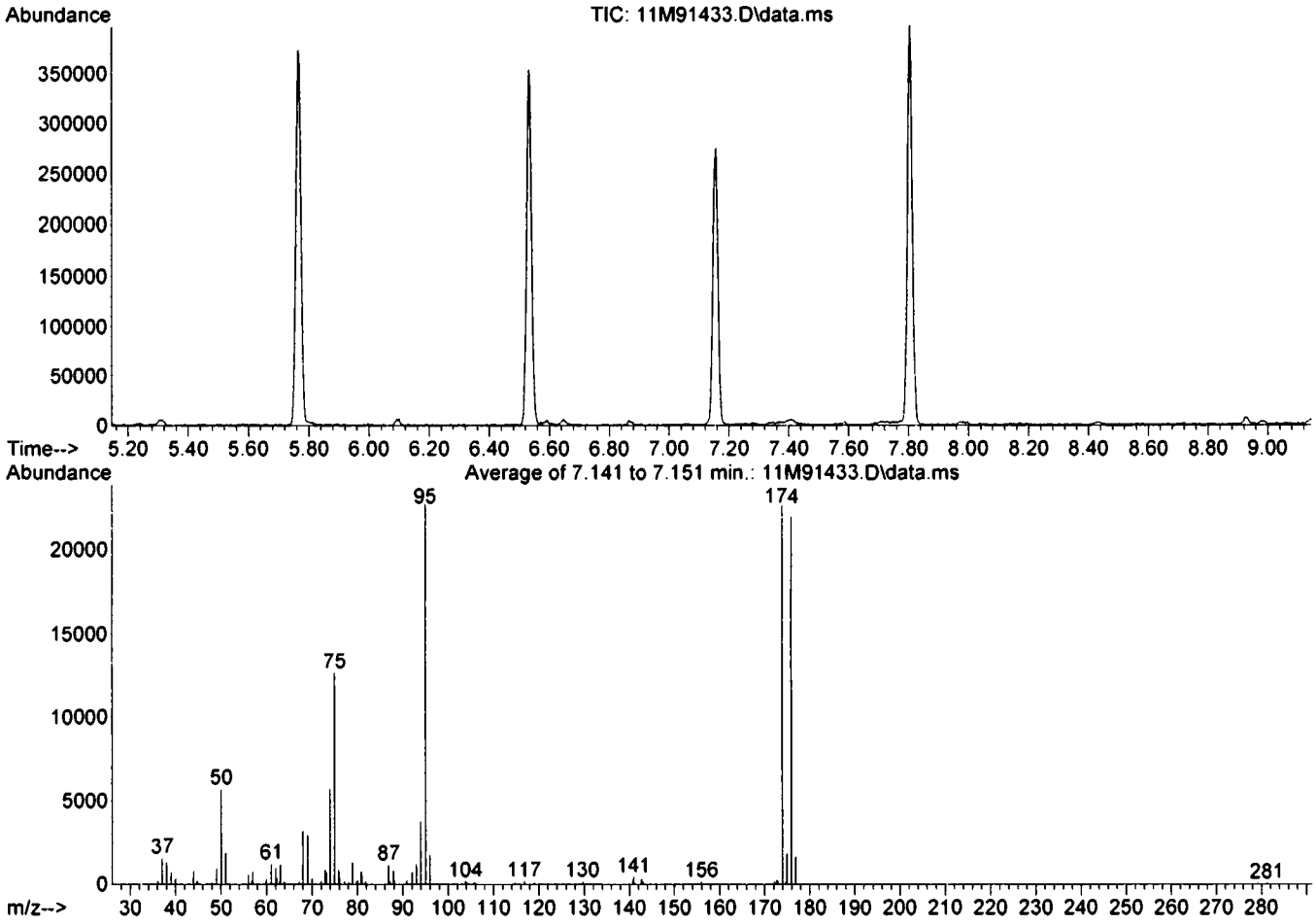
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	25.2	5729	PASS
75	95	30	60	55.8	12693	PASS
95	95	100	100	100.0	22752	PASS
96	95	5	9	7.9	1786	PASS
173	174	0.00	2	1.2	264	PASS
174	95	50	100	99.5	22649	PASS
175	174	5	9	8.2	1868	PASS
176	174	95	101	97.0	21978	PASS
177	176	5	9	7.6	1678	PASS

Data File	Sample Number	Analysis Date:
11M91436.D	20 PPB	05/20/21 09:22
11M91437.D	CAL @ 20 PPB	05/20/21 09:43
11M91438.D	BLK-DI	05/20/21 10:04
11M91439.D	BLK-HCL	05/20/21 10:26
11M91440.D	BLK	05/20/21 10:47
11M91441.D	BLK	05/20/21 11:09
11M91445.D	DAILY BLANK	05/20/21 12:35
11M91446.D	BLK	05/20/21 12:56
11M91447.D	BLK	05/20/21 13:18
11M91448.D	BLK	05/20/21 13:39
11M91449.D	DAILY BLANK	05/20/21 14:01
11M91450.D	AD23394-004	05/20/21 14:22
11M91451.D	AD23394-001	05/20/21 14:44
11M91452.D	MBS93432	05/20/21 15:06
11M91453.D	AD23414-006	05/20/21 15:28
11M91454.D	AD23466-002	05/20/21 15:50
11M91455.D	MBS93435	05/20/21 16:11
11M91456.D	MBS93436	05/20/21 16:33
11M91457.D	AD23438-007(MS)	05/20/21 16:54
11M91458.D	AD23438-007(MSD	05/20/21 17:15
11M91459.D	BLK	05/20/21 17:37
11M91460.D	AD22922-001	05/20/21 17:58
11M91461.D	AD23438-007	05/20/21 18:20
11M91462.D	AD23394-001	05/20/21 18:41
11M91463.D	BLK	05/20/21 19:03

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-20-21\
Data File : 11M91433.D
Acq On : 20 May 2021 7:58
Operator : SG
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2021\GCMS_11\MethodQt\11M_A0408.M
Title : @GCMS_11,ug,624,8260
Last Update : Fri Apr 09 09:49:46 2021



Spectrum Information: Average of 7.141 to 7.151 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.2	5729	PASS
75	95	30	60	55.8	12693	PASS
95	95	100	100	100.0	22752	PASS
96	95	5	9	7.9	1786	PASS
173	174	0.00	2	1.2	264	PASS
174	95	50	100	99.5	22649	PASS
175	174	5	9	8.2	1868	PASS
176	174	95	101	97.0	21978	PASS
177	176	5	9	7.6	1678	PASS

RR

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 11
Data File: 11M91464.D
Analysis Date: 05/20/21 19:17
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.141 to 7.151 min

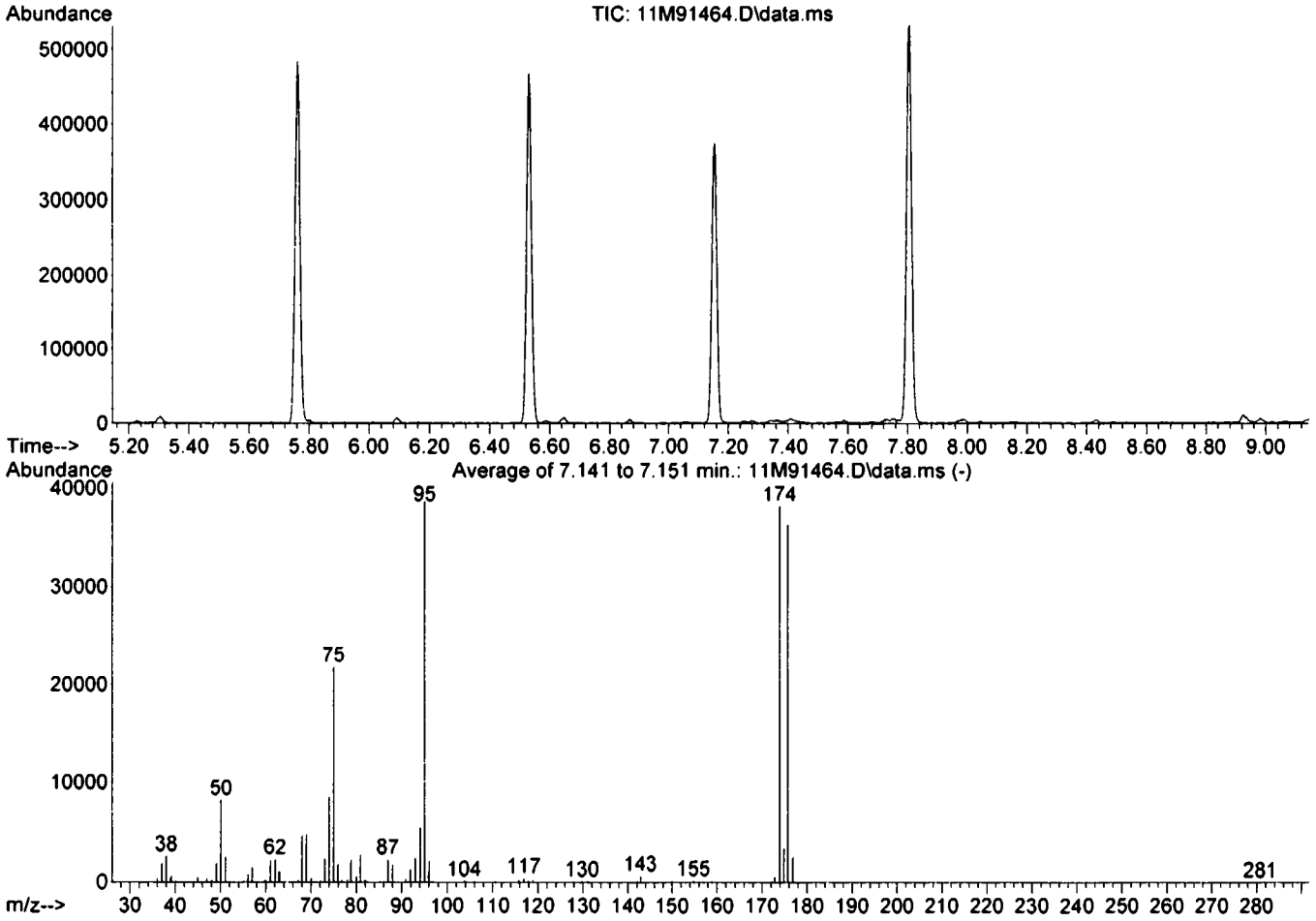
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	21.4	8287	PASS
75	95	30	60	56.5	21859	PASS
95	95	100	100	100.0	38658	PASS
96	95	5	9	5.5	2140	PASS
173	174	0.00	2	1.5	575	PASS
174	95	50	100	99.0	38270	PASS
175	174	5	9	8.9	3423	PASS
176	174	95	101	95.1	36376	PASS
177	176	5	9	7.0	2534	PASS

Data File	Sample Number	Analysis Date:
11M91465.D	20 PPB	05/20/21 19:31
11M91466.D	CAL @ 20 PPB	05/20/21 19:52
11M91467.D	BLK	05/20/21 20:13
11M91468.D	BLK	05/20/21 20:35
11M91469.D	DAILY BLANK	05/20/21 20:56
11M91470.D	DAILY BLANK	05/20/21 21:18
11M91471.D	AD23400-001(T)	05/20/21 21:39
11M91472.D	MBS93440	05/20/21 22:00
11M91473.D	MBS93441	05/20/21 22:22
11M91474.D	AD23491-001(MS)	05/20/21 22:43
11M91475.D	AD23491-001(MSD	05/20/21 23:04
11M91476.D	AD23491-001	05/20/21 23:25
11M91477.D	EF-3V-13600(0514	05/20/21 23:47
11M91478.D	EF-3V-13600(0515	05/21/21 00:08
11M91479.D	AD23371-002(T)	05/21/21 00:30
11M91480.D	AD23371-001(T)	05/21/21 00:51
11M91481.D	AD23371-003(T)	05/21/21 01:12
11M91482.D	AD23371-004(T)	05/21/21 01:34
11M91483.D	AD23400-001(T:M	05/21/21 01:55
11M91484.D	AD23400-001(T:M	05/21/21 02:16
11M91485.D	BLK	05/21/21 02:37
11M91486.D	AD23449-014	05/21/21 02:59
11M91487.D	AD23449-012	05/21/21 03:20
11M91488.D	AD23449-008	05/21/21 03:42
11M91489.D	AD23449-006	05/21/21 04:03
11M91490.D	AD23449-018	05/21/21 04:24
11M91491.D	AD23400-002(T)	05/21/21 04:46
11M91492.D	AD23400-003(T)	05/21/21 05:07
11M91493.D	AD23400-004(T)	05/21/21 05:29
11M91494.D	AD23375-017	05/21/21 05:50
11M91495.D	AD23400-005(T)	05/21/21 06:11
11M91496.D	AD23414-002(80uL	05/21/21 06:38
11M91497.D	AD23414-003(400u	05/21/21 06:59
11M91498.D	AD23375-010(4uL)	05/21/21 07:20
11M91499.D	STD	05/21/21 07:42

Data Path : G:\GcMsData\2021\GCMS_11\Data\05-2021\
Data File : 11M91464.D
Acq On : 20 May 2021 19:17
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 36 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2021\GCMS_11\MethodQt\11M_A0408.M
Title : @GCMS_11,ug,624,8260
Last Update : Fri Apr 09 09:49:46 2021



Spectrum Information: Average of 7.141 to 7.151 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.4	8287	PASS
75	95	30	60	56.5	21859	PASS
95	95	100	100	100.0	38658	PASS
96	95	5	9	5.5	2140	PASS
173	174	0.00	2	1.5	575	PASS
174	95	50	100	99.0	38270	PASS
175	174	5	9	8.9	3423	PASS
176	174	95	101	95.1	36376	PASS
177	176	5	9	7.0	2534	PASS

RK

1051428 0147

Form 6
Initial Calibration

Method: EPA 8260D

Instrument: GCMS_11

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	11M90046.D	CAL @ 20 PPB	04/08/21 15:58	2	11M90044.D	CAL @ 5 PPB	04/08/21 15:18
3	11M90045.D	CAL @ 10 PPB	04/08/21 15:38	4	11M90047.D	CAL @ 50 PPB	04/08/21 16:19
5	11M90054.D	CAL @ 100 PPB	04/08/21 18:39	6	11M90051.D	CAL @ 250 PPB	04/08/21 17:39
7	11M90048.D	CAL @ 500 PPB	04/08/21 16:39	8	11M90043.D	CAL @ 1 PPB	04/08/21 14:58
9	11M90042.D	CAL @ 0.5 PPB	04/08/21 14:37				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	Avg	0.2337	0.2260	0.2298	0.2371	0.2349	0.2408	0.2438	0.2107	-----	0.232	1.67	1.00	1.00	4.5	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dichlorodifluorometha	1	0	Avg	0.1156	0.1169	0.1184	0.1204	0.1218	0.1257	0.1241	0.0951	-----	0.117	1.66	1.00	1.00	8.2	0.10 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloromethane	1	0	Avg	0.1487	0.1624	0.1504	0.1553	0.1564	0.1609	0.1431	0.1856	-----	0.158	1.84	0.997	1.00	8.2	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromomethane	1	0	Avg	0.2673	0.3248	0.3491	0.2891	0.3383	0.4844	0.3771	0.4126	-----	0.355	2.23	0.981	0.990	20	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Chloride	1	0	Avg	0.2441	0.2541	0.2694	0.2542	0.2521	0.2628	0.2477	0.2576	-----	0.255	1.94	0.999	1.00	3.2	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroethane	1	0	Avg	0.2037	0.2497	0.2474	0.2200	0.2170	0.2692	0.3581	0.2102	-----	0.247	2.32	0.983	1.00	20	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichlorofluoromethan	1	0	Avg	0.6446	0.7377	0.7180	0.6878	0.7076	0.7475	0.7785	0.6263	-----	0.706	2.54	0.999	1.00	7.3	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl ether	1	0	Avg	0.1282	0.1526	0.1446	0.1415	0.1484	0.1622	0.1645	0.1501	-----	0.149	2.77	1.00	1.00	7.8	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Furan	1	0	Avg	0.2224	0.2510	0.2580	0.2417	0.2495	0.2709	0.2771	0.2474	-----	0.252	2.81	1.00	1.00	6.8	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1,2-Trichloro-1,2,2-tr	1	0	Avg	0.1711	0.1813	0.1957	0.1808	0.1910	0.2135	0.2213	0.1748	-----	0.191	2.96	0.999	1.00	9.5	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylene Chloride	1	0	Avg	0.2095	0.2368	0.2294	0.2231	0.2269	0.2467	0.2501	0.2282	-----	0.231	3.36	1.00	1.00	5.6	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acrolein	1	0	Qua	0.0251	0.0267	0.0288	0.0292	0.0311	0.0361	0.0381	0.0174	-----	0.0291	2.88	0.998	1.00	22		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Acrylonitrile	1	0	Avg	0.0607	0.0646	0.0655	0.0649	0.0663	0.0710	0.0735	0.0573	-----	0.0655	3.56	1.00	1.00	7.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iodomethane	1	0	Qua	0.1546	0.0723	0.1277	0.2114	0.2484	0.3192	0.3305	0.0055	-----	0.184	3.11	0.998	0.999	63		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acetone	1	0	Avg	0.0477	0.0529	0.0568	0.0487	0.0510	0.0542	0.0563	0.0591	-----	0.0534	3.00	0.999	1.00	7.5	0.10 a	100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Carbon Disulfide	1	0	Avg	0.5175	0.5823	0.5719	0.5630	0.6016	0.6719	0.6845	0.6179	-----	0.601	3.17	0.999	1.00	9.3	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butyl Alcohol	1	0	Avg	0.0308	0.0328	0.0344	0.0341	0.0391	0.0439	0.0448	0.0312	-----	0.0364	3.42	0.999	1.00	15		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
n-Hexane	1	0	Avg	0.1368	0.1451	0.1427	0.1484	0.1596	0.1829	0.1828	0.1038	-----	0.150	3.80	0.999	0.999	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Di-isopropyl-ether	1	0	Avg	0.3265	0.3427	0.3652	0.3746	0.4081	0.4733	0.5055	0.3374	-----	0.392	3.94	0.998	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1-Dichloroethene	1	0	Avg	0.2636	0.2792	0.2804	0.2884	0.3053	0.3418	0.3557	0.2355	-----	0.294	2.97	0.999	1.00	14	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl Acetate	1	0	Avg	0.0974	0.1273	0.1147	0.1034	0.1048	0.1138	0.1155	0.1315	-----	0.114	3.27	1.00	1.00	10	0.10 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl-t-butyl ether	1	0	Avg	0.4416	0.4838	0.4834	0.5001	0.5305	0.6110	0.6512	0.4668	0.4269	0.511	3.58	0.998	1.00	15	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
1,1-Dichloroethane	1	0	Avg	0.3159	0.3452	0.3283	0.3460	0.3626	0.4043	0.4292	0.3707	-----	0.363	3.92	0.999	1.00	11	0.20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1,2-Dichloroethe	1	0	Avg	0.2121	0.2313	0.2511	0.2403	0.2573	0.2822	0.3039	0.2332	-----	0.251	3.59	0.998	1.00	12	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl-t-butyl ether	1	0	Avg	0.4697	0.4833	0.5008	0.5435	0.5926	0.6737	0.7114	0.4564	-----	0.554	4.19	0.999	1.00	17	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1,2-Dichloroethene	1	0	Avg	0.2948	0.3218	0.3242	0.3379	0.3603	0.4191	0.4575	0.3697	-----	0.361	4.30	0.997	1.00	15	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromochloromethane	1	0	Avg	0.1404	0.1551	0.1574	0.1513	0.1592	0.1668	0.1680	0.1583	-----	0.157	4.45	1.00	1.00	5.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2,2-Dichloropropane	1	0	Avg	0.2879	0.3143	0.3061	0.3184	0.3365	0.4044	0.4536	0.3107	-----	0.342	4.31	0.996	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl acetate	1	0	Avg	0.1913	0.2098	0.2130	0.2219	0.2251	0.2634	0.2651	0.2059	-----	0.224	4.32	0.999	0.999	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,4-Dioxane	1	0	Avg	0.0044	0.0046	0.0046	0.0049	0.0052	0.0061	0.0066	0.0041	-----	0.00510	5.33	0.998	1.00	17		1000.	250.0	500.0	2500.	5000.	12500	25000	50.00	
1,1-Dichloropropene	1	0	Avg	0.2853	0.3149	0.3116	0.3174	0.3441	0.3983	0.4294	0.2684	-----	0.334	4.69	0.998	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroform	1	0	Avg	0.3809	0.4271	0.4309	0.4328	0.4496	0.4931	0.5096	0.4258	-----	0.444	4.48	0.999	1.00	9.2	0.20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromofluoromethan	1	0	Avg	0.2874	0.2998	0.2898	0.2818	0.2839	0.2878	0.2783	0.2998	0.2981	0.290	4.58	-1	-1	2.7		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	0.1868	0.1980	0.2062	0.2069	0.2352	0.2603	0.2686	0.1720	-----	0.217	4.64	0.999	1.00	16	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dichloroethane-d4	1	0	Avg	0.1288	0.1280	0.1262	0.1243	0.1252	0.1279	0.1260	0.1326	0.1345	0.128	4.77	-1	-1	2.7		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1,2-Dichloroethane	1	0	Avg	0.2866	0.2939	0.3157	0.3266	0.3469	0.4106	0.5138	0.3660	0.3113	0.352	4.81	0.989	1.00	20	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
2-Butanone	1	0	Avg	0.0854	0.0862	0.1004	0.0866	0.0944	0.1068	0.1380	0.0871	-----	0.0982	4.30	0.987	1.00	18	0.10 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1,1-Trichloroethane	1	0	Avg	0.3639	0.3980	0.4052	0.4148	0.4378	0.4825	0.5001	0.3621	-----	0.421	4.60	0.999	1.00	12	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Carbon Tetrachloride	1	0	Avg	0.3258	0.3454	0.3517	0.3674	0.4025	0.4533	0.4978	0.2938	-----	0.380	4.70	0.997	1.00	18	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Acetate	1	0	Qua	0.4464	0.4614	0.4821	0.5379	0.6101	0.7242	0.7812	0.4117	-----	0.557	3.94	0.998	1.00	24		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromodichloromethan	1	0	Avg	0.3040	0.3358	0.3434	0.3501	0.3649	0.4073	0.4307	0.3213	-----	0.357	5.40	0.999	1.00	12	0.20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags
a - failed the min rf criteria
c - failed the minimum correlation coeff criteria(if applicable)

Avg Rsd: 14.09

Note:
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

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Form 6
Initial Calibration

Method: EPA 8260D

Instrument: GCMS_11

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	11M90046.D	CAL @ 20 PPB	04/08/21 15:58	2	11M90044.D	CAL @ 5 PPB	04/08/21 15:18
3	11M90045.D	CAL @ 10 PPB	04/08/21 15:38	4	11M90047.D	CAL @ 50 PPB	04/08/21 16:19
5	11M90054.D	CAL @ 100 PPB	04/08/21 18:39	6	11M90051.D	CAL @ 250 PPB	04/08/21 17:39
7	11M90048.D	CAL @ 500 PPB	04/08/21 16:39	8	11M90043.D	CAL @ 1 PPB	04/08/21 14:58
9	11M90042.D	CAL @ 0.5 PPB	04/08/21 14:37				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Methylcyclohexane	1	0	Avg	0.2634	0.2783	0.2899	0.2910	0.3225	0.3698	0.4026	0.2286	-----	0.306	5.26	0.998	1.00	19	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromomethane	1	0	Avg	0.1750	0.1978	0.2034	0.1998	0.2194	0.2526	0.2790	0.2008	-----	0.216	5.34	0.997	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dichloropropane	1	0	Avg	0.1807	0.1913	0.1950	0.1987	0.2172	0.2455	0.2680	0.1912	-----	0.211	5.27	0.998	1.00	15	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichloroethene	1	0	Avg	0.2629	0.2978	0.2869	0.2950	0.3156	0.3413	0.3622	0.3054	-----	0.308	5.15	0.999	1.00	10	0.20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Benzene	1	0	Avg	0.8047	0.8900	0.9126	0.9192	1.0140	1.1883	1.3976	0.7931	0.8643	0.976	4.81	0.993	1.00	20	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
tert-Amyl methyl ether	1	0	Avg	0.5456	0.5973	0.5971	0.6350	0.7162	0.8117	0.8728	0.5243	-----	0.663	4.85	0.998	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iso-propylacetate	1	0	Qua	0.4011	0.4296	0.4234	0.4666	0.5040	0.5845	0.6994	0.3603	-----	0.484	4.80	0.993	1.00	23	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl methacrylate	1	0	Avg	0.1456	0.2025	0.2190	0.1801	0.2207	0.2415	0.1965	0.2000	-----	0.201	5.29	0.989	0.997	14	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromochloromethan	1	0	Avg	0.3033	0.3388	0.3426	0.3455	0.3666	0.3984	0.3985	0.2740	-----	0.346	6.23	1.00	1.00	12	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chloroethylvinylethe	1	0	Qua	0.0656	0.0630	0.0727	0.0749	0.0850	0.0899	0.0879	0.0336	-----	0.0716	5.54	1.00	1.00	26		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1,3-Dichloropropen	1	0	Avg	0.3622	0.3822	0.3915	0.4006	0.4151	0.4486	0.4473	0.3236	-----	0.396	5.63	1.00	1.00	11	0.20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1,3-Dichloroprop	1	0	Avg	0.3460	0.3647	0.3634	0.3917	0.4057	0.4455	0.4562	0.3352	-----	0.389	5.91	1.00	1.00	12	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl methacrylate	1	0	Avg	0.1652	0.1703	0.1841	0.1988	0.2205	0.2484	0.2614	0.1696	-----	0.202	5.93	0.999	1.00	18	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1,2-Trichloroethane	1	0	Avg	0.2599	0.2787	0.2723	0.2762	0.2877	0.3078	0.3104	0.2435	-----	0.280	6.01	1.00	1.00	8.1	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dibromoethane	1	0	Avg	0.2690	0.3011	0.2935	0.3033	0.3175	0.3362	0.3341	0.2735	-----	0.304	6.31	1.00	1.00	8.3	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3-Dichloropropane	1	0	Avg	0.3942	0.4217	0.4418	0.4362	0.4699	0.5246	0.5993	0.3784	-----	0.458	6.11	0.996	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Methyl-2-Pentanone	1	0	Avg	0.2210	0.2457	0.2335	0.2511	0.2708	0.2864	0.2820	0.2065	-----	0.250	5.69	1.00	1.00	12	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Hexanone	1	0	Qua	0.1595	0.1721	0.1799	0.1901	0.2088	0.2314	0.2605	0.1336	-----	0.192	6.12	0.997	1.00	21	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Tetrachloroethene	1	0	Avg	0.2427	0.2497	0.2715	0.2717	0.3016	0.3434	0.3980	0.2369	-----	0.289	6.11	0.995	1.00	19	0.20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Toluene-d8	1	0	Avg	1.2350	1.2391	1.2278	1.2309	1.1967	1.1699	1.0974	1.2188	1.1959	1.20	5.78	-1	-1	3.8		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	0.6540	0.6719	0.7135	0.7088	0.7520	0.8242	0.8461	0.6709	-----	0.730	5.82	0.999	1.00	9.8	0.40	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1,1,2-Tetrachloroeth	1	0	Avg	0.2625	0.2789	0.2895	0.2995	0.3238	0.3702	0.4319	0.2597	-----	0.315	6.59	0.994	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chlorobenzene	1	0	Avg	0.7479	0.7943	0.7962	0.8199	0.8633	0.9400	0.9716	0.8176	-----	0.844	6.56	0.999	1.00	9.1	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butyl acrylate	1	0	Avg	0.6849	0.6877	0.7031	0.8266	0.9163	1.0228	1.0379	0.6537	-----	0.817	6.79	0.999	1.00	19	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Amyl acetate	1	0	Qua	0.6108	0.6063	0.6277	0.7398	0.8178	0.9276	0.9521	0.5031	-----	0.723	6.91	0.999	1.00	23	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromoform	1	0	Avg	0.4072	0.4419	0.4549	0.4802	0.5032	0.5383	0.5390	0.4141	-----	0.472	7.00	1.00	1.00	11	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethylbenzene	1	0	Avg	0.6127	0.6985	0.6397	0.6404	0.7012	0.8290	1.0278	0.6132	-----	0.720	6.60	0.990	1.00	20	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1,2,2-Tetrachloroeth	1	0	Avg	0.6273	0.6952	0.7073	0.7224	0.7141	0.7665	0.7639	0.6716	-----	0.709	7.21	1.00	1.00	6.5	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromofluorobenzene	1	0	Avg	0.7894	0.8125	0.7989	0.7753	0.7823	0.7569	0.7030	0.8177	0.8119	0.783	7.16	-1	-1	4.6		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Qua	1.4307	1.5176	1.5423	1.6455	1.7737	2.0963	2.4024	1.3332	-----	1.72	6.87	0.995	1.00	21	0.30	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
m&p-Xylenes	1	0	Avg	0.8243	0.9300	0.9011	0.9622	1.0423	1.2012	-----	0.7580	0.7996	0.927	6.65	0.997	1.00	16	0.10	40.00	10.00	20.00	100.0	200.0	500.0		2.00	1.00
o-Xylene	1	0	Avg	0.8191	0.8940	0.9046	0.9538	1.0166	1.1752	1.4391	0.9359	-----	1.02	6.87	0.991	1.00	20	0.30	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1,4-Dichloro-2-b	1	0	Qua	0.2159	0.2199	0.2258	0.2551	0.2593	0.3060	0.3627	0.1710	-----	0.252	7.24	0.993	1.00	24		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3-Dichlorobenzene	1	0	Avg	1.0072	1.1161	1.0982	1.1324	1.2147	1.3484	1.4065	1.1442	-----	1.18	7.78	0.999	1.00	11	0.60	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,4-Dichlorobenzene	1	0	Avg	1.0328	1.1483	1.1305	1.1557	1.2266	1.3487	1.3887	1.1651	-----	1.20	7.82	0.999	1.00	9.8	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dichlorobenzene	1	0	Avg	0.9434	1.0158	1.0013	1.0725	1.1343	1.2429	1.2592	0.9455	-----	1.08	8.05	1.00	1.00	12	0.40	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Isopropylbenzene	1	0	Avg	2.0316	2.2652	2.2866	2.3395	2.5066	2.7044	2.6697	2.1102	-----	2.36	7.06	1.00	1.00	10	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	Avg	0.0207	0.0206	0.0216	0.0218	0.0226	0.0224	0.0202	0.0222	-----	0.0215	7.13	0.997	1.00	4.2		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Camphene	1	0	Avg	0.5114	0.4987	0.5454	0.5475	0.6090	0.6767	0.7407	0.4537	-----	0.573	7.23	0.998	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,3-Trichloropropane	1	0	Avg	0.7448	0.8207	0.8083	0.8571	0.9033	1.0401	1.1494	0.7331	-----	0.882	7.25	0.997	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chlorotoluene	1	0	Avg	1.1434	1.1514	1.1994	1.2780	1.4039	1.6613	1.9127	1.3045	-----	1.38	7.36	0.995	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags

a - failed the min rf criteria

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 14.09

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

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Form 6
Initial Calibration

Method: EPA 8260D

Instrument: GCMS_11

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	11M90046.D	CAL @ 20 PPB	04/08/21 15:58	2	11M90044.D	CAL @ 5 PPB	04/08/21 15:18
3	11M90045.D	CAL @ 10 PPB	04/08/21 15:38	4	11M90047.D	CAL @ 50 PPB	04/08/21 16:19
5	11M90054.D	CAL @ 100 PPB	04/08/21 18:39	6	11M90051.D	CAL @ 250 PPB	04/08/21 17:39
7	11M90048.D	CAL @ 500 PPB	04/08/21 16:39	8	11M90043.D	CAL @ 1 PPB	04/08/21 14:58
9	11M90042.D	CAL @ 0.5 PPB	04/08/21 14:37				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
p-Ethyltoluene	1	0	Avg	2.0340	2.1177	2.1807	2.3349	2.5224	2.8172	2.9238	1.9409	-----	2.36	7.34	0.999	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Chlorotoluene	1	0	Avg	1.1460	1.2155	1.1688	1.3264	1.3902	1.5462	1.6414	1.0808	-----	1.31	7.41	0.999	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Propylbenzene	1	0	Avg	2.3166	2.4931	2.4955	2.5984	2.7794	3.0523	2.8448	2.2747	-----	2.61	7.29	0.999	0.999	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromobenzene	1	0	Avg	1.1128	1.2033	1.2031	1.2428	1.3343	1.4782	1.6111	1.0785	-----	1.28	7.26	0.998	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3,5-Trimethylbenzen	1	0	Qua	1.5942	1.6420	1.6772	1.8639	2.0001	2.4611	2.6248	1.4498	-----	1.91	7.37	0.998	0.999	22		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Butyl methacrylate	1	0	Qua	0.4691	0.4237	0.4951	0.5772	0.6151	0.8152	-----	0.3461	-----	0.535	7.37	0.990	1.00	29	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
t-Butylbenzene	1	0	Avg	1.6010	1.6404	1.7255	1.8001	1.9237	2.1553	2.2256	1.5345	-----	1.83	7.57	0.999	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4-Trimethylbenzen	1	0	Avg	1.6132	1.7247	1.7439	1.8546	1.9831	2.2054	2.2985	1.4929	-----	1.86	7.59	0.999	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	Avg	1.8909	2.0196	2.0465	2.1355	2.3534	2.5460	2.5343	1.5917	-----	2.14	7.69	1.00	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	Avg	1.6239	1.6631	1.7289	1.8605	2.0598	2.2925	2.3673	1.2939	-----	1.86	7.76	0.999	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butylbenzene	1	0	Avg	1.6232	1.6186	1.7388	1.8352	1.9853	2.2236	2.2943	1.5035	-----	1.85	7.99	0.999	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
p-Diethylbenzene	1	0	Avg	0.9308	0.9183	0.9591	1.0716	1.1529	1.3091	1.3703	0.7391	-----	1.06	7.97	0.999	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4,5-Tetramethylbe	1	0	Avg	1.1661	1.1754	1.2040	1.4075	1.5007	1.7037	1.7369	0.9933	-----	1.36	8.43	0.999	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dibromo-3-Chloro	1	0	Avg	0.1519	0.1691	0.1806	0.1749	0.1775	0.1886	0.1820	0.1529	-----	0.172	8.49	1.00	1.00	7.8	0.05	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Camphor	1	0	Qua	0.0621	0.0570	0.0636	0.0757	0.0805	0.0942	0.1058	0.0556	0.0509	0.0718	8.93	0.996	1.00	26		200.0	50.00	100.0	500.0	1000.	2500.	5000.	10.00	5.00
Hexachlorobutadiene	1	0	Avg	0.1955	0.2258	0.2188	0.2050	0.2216	0.2435	0.2437	0.1763	-----	0.216	9.07	1.00	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4-Trichlorobenzen	1	0	Avg	0.4533	0.4779	0.4795	0.5142	0.5353	0.6027	0.6086	0.4948	-----	0.521	8.98	0.999	1.00	11	0.20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,3-Trichlorobenzen	1	0	Avg	0.3000	0.3124	0.3227	0.3430	0.3677	0.3968	0.3982	0.3166	-----	0.345	9.29	1.00	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Naphthalene	1	0	Avg	1.0955	1.1123	1.1187	1.2923	1.3226	1.4574	1.4585	1.1488	-----	1.25	9.14	1.00	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags
a - failed the min rf criteria
c - failed the minimum correlation coeff criteria(if applicable)

Note:	Avg Rsd: 14.09
Corr 1 = Correlation Coefficient for linear Eq.	
Corr 2 = Correlation Coefficient for quad Eq.	
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.	

1051428 0150

Form 6
Initial Calibration

Method: EPA 8260D

Instrument: GCMS_8

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	8M545259.D	CAL @ 20 PPB	04/09/21 10:03	2	8M545258.D	CAL @ 5 PPB	04/09/21 09:44
3	8M545257.D	CAL @ 2 PPB	04/09/21 09:25	4	8M545260.D	CAL @ 50 PPB	04/09/21 10:22
5	8M545265.D	CAL @ 100 PPB	04/09/21 11:57	6	8M545263.D	CAL @ 250 PPB	04/09/21 11:19
7	8M545261.D	CAL @ 500 PPB	04/09/21 10:41	8	8M545256.D	CAL @ 1 PPB	04/09/21 09:06
9	8M545255.D	CAL @ 0.5 PPB	04/09/21 08:47				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	Avg	0.3502	0.2888	0.3149	0.3789	0.3132	0.3249	0.3660	-----	-----	0.334	1.66	0.996	0.999	9.6	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Dichlorodifluorometha	1	0	Avg	0.1369	0.1111	0.1221	0.1509	0.1260	0.1297	0.1482	-----	-----	0.132	1.66	0.996	0.999	11	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chloromethane	1	0	Avg	0.2880	0.2513	0.2756	0.3006	0.2407	0.2473	0.2770	-----	-----	0.269	1.81	0.997	0.999	8.4	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromomethane	1	0	Avg	0.1825	0.1671	0.1869	0.2055	0.1943	0.2087	0.2920	-----	-----	0.205	2.19	0.980	0.999	20	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Vinyl Chloride	1	0	Avg	0.2577	0.2091	0.2146	0.2774	0.2278	0.2398	0.2692	-----	-----	0.242	1.91	0.997	1.00	11	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chloroethane	1	0	Avg	0.1779	0.1476	0.1588	0.1963	0.1671	0.1753	0.2143	-----	-----	0.177	2.28	0.992	0.999	13	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Trichlorofluoromethan	1	0	Avg	0.5045	0.4251	0.4641	0.5387	0.4620	0.4729	0.5367	-----	-----	0.486	2.49	0.996	1.00	8.7	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethyl ether	1	0	Avg	0.1586	0.1502	0.1532	0.1608	0.1672	0.1673	0.1745	-----	-----	0.162	2.71	1.00	1.00	5.3	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Furan	1	0	Avg	0.3554	0.3130	0.3373	0.3825	0.3407	0.3493	0.3706	-----	-----	0.350	2.75	0.999	1.00	6.5	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,1,2-Trichloro-1,2,2-tr	1	0	Avg	0.2462	0.2076	0.2154	0.2751	0.2414	0.2421	0.2797	-----	-----	0.244	2.91	0.995	0.999	11	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methylene Chloride	1	0	Avg	0.2499	0.2413	0.2658	0.2628	0.2437	0.2463	0.2641	-----	-----	0.253	3.30	0.999	1.00	4.1	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Acrolein	1	0	Avg	0.0413	0.0366	0.0404	0.0440	0.0399	0.0414	0.0496	-----	-----	0.0419	2.82	0.993	1.00	9.7		100.0	25.00	10.00	250.0	500.0	1250.	2500.		
Acrylonitrile	1	0	Avg	0.0808	0.0758	0.0755	0.0886	0.0788	0.0795	0.0952	-----	-----	0.0821	3.49	0.993	0.999	8.9		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Iodomethane	1	0	Qua	0.1605	0.1323	0.1542	0.1889	0.2110	0.2410	0.2594	-----	-----	0.193	3.06	0.998	1.00	24		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Acetone	1	0	Avg	0.0688	0.0647	0.0776	0.0714	0.0595	0.0600	0.0742	-----	-----	0.0681	2.94	0.991	0.999	10	0.10 a	100.0	25.00	10.00	250.0	500.0	1250.	2500.		
Carbon Disulfide	1	0	Avg	0.8294	0.6739	0.7303	0.8953	0.7637	0.7839	0.8850	-----	-----	0.795	3.12	0.997	1.00	10	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
t-Butyl Alcohol	1	0	Avg	0.0304	0.0225	0.0280	0.0326	0.0272	0.0277	0.0337	-----	-----	0.0289	3.35	0.992	0.999	13		100.0	25.00	10.00	250.0	500.0	1250.	2500.		
n-Hexane	1	0	Avg	0.3257	0.2663	0.2676	0.3535	0.2987	0.2971	0.3394	-----	-----	0.307	3.77	0.996	0.999	11		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Di-isopropyl-ether	1	0	Avg	0.6440	0.5863	0.6275	0.6781	0.6596	0.6628	0.6919	-----	-----	0.650	3.93	1.00	1.00	5.4		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,1-Dichloroethene	1	0	Avg	0.3690	0.2997	0.3569	0.4095	0.3447	0.3568	0.4057	-----	-----	0.363	2.92	0.996	1.00	10	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methyl Acetate	1	0	Avg	0.1629	0.1408	0.1552	0.1635	0.1481	0.1486	0.1754	-----	-----	0.156	3.21	0.994	1.00	7.5	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methyl-t-butyl ether	1	0	Avg	0.5685	0.5516	0.5826	0.5988	0.6287	0.6267	0.6551	0.6461	-----	0.607	3.53	1.00	1.00	6.2	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
1,1-Dichloroethane	1	0	Avg	0.4270	0.3652	0.3788	0.4583	0.4080	0.4134	0.4539	-----	-----	0.415	3.89	0.998	1.00	8.4	0.20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
trans-1,2-Dichloroethe	1	0	Avg	0.2822	0.2419	0.2597	0.3101	0.2687	0.2742	0.3147	-----	-----	0.279	3.54	0.996	1.00	9.4	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethyl-t-butyl ether	1	0	Avg	0.6056	0.5674	0.6067	0.6348	0.6503	0.6503	0.6673	-----	-----	0.626	4.22	1.00	1.00	5.5	0.50	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
cis-1,2-Dichloroethene	1	0	Avg	0.4218	0.3600	0.4010	0.4470	0.4023	0.4116	0.4606	-----	-----	0.415	4.35	0.997	1.00	8.0	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromochloromethane	1	0	Avg	0.1867	0.1727	0.1889	0.1897	0.1804	0.1748	0.1811	-----	-----	0.182	4.52	1.00	1.00	3.7		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2,2-Dichloropropane	1	0	Avg	0.4214	0.3494	0.3814	0.4615	0.4002	0.4176	0.4759	-----	-----	0.415	4.36	0.996	1.00	11		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethyl acetate	1	0	Avg	0.2096	0.2212	0.2700	0.2273	0.2110	0.2147	0.2559	-----	-----	0.230	4.38	0.994	1.00	10		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,4-Dioxane	1	0	Avg	0.0037	0.0028	0.0031	0.0041	0.0031	0.0033	0.0041	-----	-----	0.00350	5.49	0.989	0.999	14		1000.	250.0	100.0	2500.	5000.	12500	25000		
1,1-Dichloropropene	1	0	Avg	0.3911	0.3178	0.3554	0.4234	0.3551	0.3577	0.4190	-----	-----	0.374	4.80	0.994	0.999	10		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chloroform	1	0	Avg	0.4617	0.4006	0.4484	0.4927	0.4488	0.4506	0.4893	-----	-----	0.456	4.56	0.998	1.00	6.8	0.20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Dibromofluoromethan	1	0	Avg	0.2691	0.2694	0.2651	0.2726	0.2765	0.2816	0.2751	0.2693	0.2659	0.272	4.66	-1	-1	2.0		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	0.3967	0.3266	0.3440	0.4278	0.3606	0.3579	0.4113	-----	-----	0.375	4.75	0.996	0.999	10	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2-Dichloroethane-d4	1	0	Avg	0.1292	0.1297	0.1297	0.1281	0.1278	0.1275	0.1292	0.1315	0.1313	0.129	4.88	-1	-1	1.1		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1,2-Dichloroethane	1	0	Avg	0.3049	0.2935	0.3211	0.3210	0.3066	0.3152	0.3498	-----	-----	0.316	4.93	0.998	1.00	5.6	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2-Butanone	1	0	Avg	0.1072	0.0918	0.1039	0.0988	0.0915	0.0923	0.1117	-----	-----	0.0996	4.34	0.992	1.00	8.2	0.10 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,1,1-Trichloroethane	1	0	Avg	0.4701	0.3808	0.4232	0.5167	0.4398	0.4489	0.5047	-----	-----	0.455	4.70	0.997	1.00	10	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Carbon Tetrachloride	1	0	Avg	0.4303	0.3537	0.3724	0.4726	0.4099	0.4178	0.4831	-----	-----	0.420	4.81	0.995	1.00	11	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Vinyl Acetate	1	0	Avg	0.7193	0.6464	0.6921	0.7419	0.7433	0.7504	0.8034	-----	-----	0.728	3.91	0.999	1.00	6.8		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromodichloromethan	1	0	Avg	0.3377	0.3031	0.3358	0.3575	0.3401	0.3437	0.3699	-----	-----	0.341	5.56	0.999	1.00	6.1	0.20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		

Flags

a - failed the min rf criteria

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 7.906

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

1051428 0151

Form 6
Initial Calibration

Method: EPA 8260D

Instrument: GCMS_8

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	8M545259.D	CAL @ 20 PPB	04/09/21 10:03	2	8M545258.D	CAL @ 5 PPB	04/09/21 09:44
3	8M545257.D	CAL @ 2 PPB	04/09/21 09:25	4	8M545260.D	CAL @ 50 PPB	04/09/21 10:22
5	8M545265.D	CAL @ 100 PPB	04/09/21 11:57	6	8M545263.D	CAL @ 250 PPB	04/09/21 11:19
7	8M545261.D	CAL @ 500 PPB	04/09/21 10:41	8	8M545256.D	CAL @ 1 PPB	04/09/21 09:06
9	8M545255.D	CAL @ 0.5 PPB	04/09/21 08:47				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Methylcyclohexane	1	0	Avg	0.4836	0.3786	0.4018	0.5201	0.4490	0.4588	0.5463	-----	-----	0.463	5.42	0.994	0.999	13	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Dibromomethane	1	0	Avg	0.1889	0.1717	0.1900	0.1949	0.1991	0.2014	0.2206	-----	-----	0.195	5.49	0.998	1.00	7.6		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2-Dichloropropane	1	0	Avg	0.2368	0.2082	0.2248	0.2461	0.2287	0.2329	0.2579	-----	-----	0.234	5.42	0.998	1.00	6.8	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Trichloroethene	1	0	Avg	0.3406	0.2844	0.3113	0.3652	0.3210	0.3318	0.3783	-----	-----	0.333	5.30	0.996	1.00	9.6	0.20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Benzene	1	0	Avg	1.0325	0.8958	0.9487	1.0846	0.9617	0.9779	1.1034	0.9884	-----	0.999	4.93	0.997	1.00	7.0	0.50	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
tert-Amyl methyl ether	1	0	Avg	0.5988	0.5602	0.6213	0.6149	0.6378	0.6227	0.6487	-----	-----	0.615	4.98	1.00	1.00	4.7		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Iso-propylacetate	1	0	Avg	0.4867	0.4484	0.4772	0.5012	0.5047	0.4886	0.5397	-----	-----	0.492	4.93	0.998	1.00	5.7	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methyl methacrylate	1	0	Avg	0.2231	0.2125	0.2030	0.2299	0.2279	0.2241	0.2470	-----	-----	0.224	5.46	0.998	1.00	6.2	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Dibromochloromethan	1	0	Avg	0.3465	0.3248	0.3301	0.3686	0.3769	0.3654	0.3904	-----	-----	0.358	6.44	0.999	1.00	6.8	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2-Chloroethylvinylethe	1	0	Avg	0.0598	0.0552	0.0594	0.0583	0.0593	0.0509	0.0511	-----	-----	0.0563	5.71	0.999	0.999	7.0		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
cis-1,3-Dichloropropen	1	0	Avg	0.4790	0.4344	0.4487	0.5065	0.4920	0.4760	0.5039	-----	-----	0.477	5.81	0.999	1.00	5.7	0.20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
trans-1,3-Dichloroprop	1	0	Avg	0.4288	0.3879	0.4077	0.4434	0.4409	0.4288	0.4595	-----	-----	0.428	6.10	0.999	1.00	5.6	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethyl methacrylate	1	0	Avg	0.2256	0.2138	0.2135	0.2354	0.2471	0.2419	0.2595	-----	-----	0.234	6.13	0.999	1.00	7.4	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,1,2-Trichloroethane	1	0	Avg	0.2642	0.2432	0.2531	0.2720	0.2688	0.2617	0.2797	-----	-----	0.263	6.21	0.999	1.00	4.6	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2-Dibromoethane	1	0	Avg	0.2889	0.2576	0.2851	0.2968	0.2948	0.2829	0.3064	0.3122	0.3599	0.298	6.51	0.999	1.00	9.4	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	0.50
1,3-Dichloropropane	1	0	Avg	0.4361	0.4093	0.4262	0.4489	0.4435	0.4327	0.4724	-----	-----	0.438	6.30	0.998	1.00	4.5		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
4-Methyl-2-Pentanone	1	0	Avg	0.2598	0.2226	0.2375	0.2617	0.2547	0.2484	0.2895	-----	-----	0.254	5.88	0.995	1.00	8.3	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2-Hexanone	1	0	Avg	0.1878	0.1714	0.1717	0.1982	0.1867	0.1808	0.2167	-----	-----	0.188	6.33	0.993	0.999	8.5	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Tetrachloroethene	1	0	Avg	0.3666	0.3062	0.3254	0.3954	0.3519	0.3506	0.4156	-----	-----	0.359	6.31	0.994	0.999	11	0.20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Toluene-d8	1	0	Avg	1.2690	1.2698	1.2748	1.2703	1.2671	1.2383	1.2031	1.2628	1.2612	1.26	5.97	-1	-1	1.8		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	0.8799	0.7481	0.8048	0.9264	0.8201	0.8148	0.9125	0.8942	-----	0.850	6.00	0.997	1.00	7.3	0.40	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
1,1,1,2-Tetrachloroeth	1	0	Avg	0.3465	0.3039	0.3098	0.3673	0.3589	0.3551	0.3952	-----	-----	0.348	6.81	0.998	1.00	9.2		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chlorobenzene	1	0	Avg	1.0003	0.8702	0.9587	1.0461	0.9613	0.9379	1.0399	1.0160	-----	0.979	6.77	0.998	1.00	6.0	0.50	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
n-Butyl acrylate	1	0	Avg	0.7840	0.6953	0.7728	0.8047	0.8385	0.8043	0.8637	-----	-----	0.795	7.02	0.999	1.00	6.8	0.50	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
n-Amyl acetate	1	0	Avg	0.7208	0.6822	0.6896	0.7228	0.7459	0.7179	0.7676	-----	-----	0.721	7.14	0.999	1.00	4.1	0.50	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromoform	1	0	Avg	0.4346	0.3942	0.4158	0.4559	0.4676	0.4574	0.4974	-----	-----	0.446	7.22	0.999	1.00	7.7	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethylbenzene	1	0	Avg	0.8696	0.7140	0.7508	0.8743	0.7757	0.7748	0.8738	0.8573	-----	0.811	6.82	0.997	1.00	7.9	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
1,1,2,2-Tetrachloroeth	1	0	Avg	0.6281	0.5901	0.6253	0.6269	0.5923	0.5714	0.6250	-----	-----	0.609	7.43	0.998	1.00	3.8	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromofluorobenzene	1	0	Avg	0.7748	0.7860	0.7926	0.7752	0.7564	0.7430	0.7153	0.7812	0.8016	0.770	7.38	-1	-1	3.5		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	1.8421	1.5802	1.6115	1.9188	1.8007	1.8011	1.9830	-----	-----	1.79	7.10	0.998	1.00	8.3	0.30	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
m&p-Xylenes	1	0	Avg	1.2003	1.0157	1.0795	1.2445	1.0666	1.0482	1.1733	1.2060	1.3626	1.16	6.88	0.997	0.999	9.7	0.10	40.00	10.00	4.00	100.0	200.0	500.0	1000.	2.00	1.00
o-Xylene	1	0	Avg	1.1361	0.9694	1.0328	1.1722	1.0568	1.0545	1.1970	1.0628	-----	1.09	7.09	0.997	1.00	7.1	0.30	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
trans-1,4-Dichloro-2-b	1	0	Avg	0.3136	0.2746	0.3080	0.3271	0.3027	0.3002	0.3428	-----	-----	0.310	7.46	0.996	1.00	7.0		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,3-Dichlorobenzene	1	0	Avg	1.5333	1.3672	1.4854	1.5805	1.4606	1.4141	1.5551	-----	-----	1.49	7.99	0.998	1.00	5.2	0.60	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,4-Dichlorobenzene	1	0	Avg	1.5129	1.3372	1.4266	1.5424	1.4202	1.3788	1.5049	-----	-----	1.45	8.04	0.998	1.00	5.3	0.50	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2-Dichlorobenzene	1	0	Avg	1.3741	1.2238	1.2989	1.3933	1.3235	1.2931	1.3820	-----	-----	1.33	8.25	0.999	1.00	4.6	0.40	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Isopropylbenzene	1	0	Avg	3.0897	2.6112	2.7409	3.2562	2.7705	2.6486	2.8779	2.9372	-----	2.87	7.29	0.998	0.999	7.7	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	Avg	0.0253	0.0230	0.0177	0.0256	0.0203	0.0200	0.0244	-----	-----	0.0224	7.36	0.991	0.999	14		100.0	25.00	10.00	250.0	500.0	1250.	2500.		
Camphene	1	0	Avg	1.1065	0.8969	0.9629	1.1935	1.0049	0.9998	1.1676	-----	-----	1.05	7.46	0.995	0.999	11		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2,3-Trichloropropane	1	0	Avg	0.7888	0.7308	0.7676	0.8008	0.7765	0.7503	0.8693	-----	-----	0.783	7.47	0.996	0.999	5.7		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2-Chlorotoluene	1	0	Avg	1.8465	1.5575	1.6713	1.9109	1.7122	1.6574	1.8375	-----	-----	1.74	7.58	0.998	0.999	7.2		20.00	5.00	2.00	50.00	100.0	250.0	500.0		

Flags

a - failed the min rf criteria

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 7.906

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Method: EPA 8260D

Form 6
Initial Calibration

Instrument: GCMS_8

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	8M545259.D	CAL @ 20 PPB	04/09/21 10:03	2	8M545258.D	CAL @ 5 PPB	04/09/21 09:44
3	8M545257.D	CAL @ 2 PPB	04/09/21 09:25	4	8M545260.D	CAL @ 50 PPB	04/09/21 10:22
5	8M545265.D	CAL @ 100 PPB	04/09/21 11:57	6	8M545263.D	CAL @ 250 PPB	04/09/21 11:19
7	8M545261.D	CAL @ 500 PPB	04/09/21 10:41	8	8M545256.D	CAL @ 1 PPB	04/09/21 09:06
9	8M545255.D	CAL @ 0.5 PPB	04/09/21 08:47				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
p-Ethyltoluene	1	0	Avg	3.1597	2.7317	2.9723	3.2779	2.9246	2.7733	3.0670	-----	-----	2.99	7.57	0.998	0.999	6.6		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
4-Chlorotoluene	1	0	Avg	1.8205	1.5645	1.8414	1.8436	1.6508	1.6336	1.7415	-----	-----	1.73	7.63	0.999	1.00	6.5		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
n-Propylbenzene	1	0	Avg	3.5843	3.0189	3.2215	3.7285	3.1228	2.9597	3.1494	3.5092	-----	3.29	7.51	0.999	0.999	8.6		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
Bromobenzene	1	0	Avg	1.5134	1.3655	1.4211	1.5529	1.4179	1.3469	1.4999	-----	-----	1.45	7.48	0.997	0.999	5.4		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,3,5-Trimethylbenzen	1	0	Avg	2.4498	2.0222	2.0794	2.6081	2.2280	2.2117	2.4245	2.3874	-----	2.30	7.59	0.998	0.999	8.7		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
Butyl methacrylate	1	0	Avg	0.6178	0.5286	0.5755	0.6442	0.7333	0.6463	0.6609	-----	-----	0.630	7.60	0.999	0.999	10	0.50	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
t-Butylbenzene	1	0	Avg	2.6352	2.2010	2.3897	2.7787	2.4320	2.3906	2.6896	2.5257	-----	2.51	7.79	0.997	0.999	7.6		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
1,2,4-Trimethylbenzen	1	0	Avg	2.4776	2.1473	2.3521	2.5699	2.3155	2.2510	2.4434	2.6451	-----	2.40	7.81	0.998	1.00	6.9		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	Avg	3.4384	2.8061	3.0169	3.5948	3.0722	2.9756	3.2344	3.1537	-----	3.16	7.91	0.998	0.999	8.1		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	Avg	2.9791	2.4388	2.5653	3.1469	2.7463	2.6787	2.9616	2.8541	-----	2.80	7.97	0.998	0.999	8.4		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
n-Butylbenzene	1	0	Avg	3.1052	2.5297	2.7110	3.2436	2.7884	2.7142	3.0380	2.8126	-----	2.87	8.20	0.997	0.999	8.3		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
p-Diethylbenzene	1	0	Avg	1.7281	1.3955	1.4738	1.8270	1.6105	1.6068	1.8427	-----	-----	1.64	8.18	0.996	0.999	10		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2,4,5-Tetramethylbe	1	0	Avg	2.3198	1.9647	1.9766	2.4281	2.2624	2.2312	2.4297	-----	-----	2.23	8.63	0.998	1.00	8.6		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2-Dibromo-3-Chloro	1	0	Avg	0.1744	0.1571	0.1519	0.1848	0.1808	0.1813	0.2180	-----	-----	0.178	8.69	0.993	1.00	12	0.05	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Camphor	1	0	Avg	0.0755	0.0615	0.0640	0.0802	0.0737	0.0762	0.0957	-----	-----	0.0753	9.11	0.990	0.999	15		200.0	50.00	20.00	500.0	1000.	2500.	5000.		
Hexachlorobutadiene	1	0	Avg	0.6257	0.4820	0.5412	0.6282	0.5458	0.5440	0.6453	-----	-----	0.573	9.25	0.994	0.999	11		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2,4-Trichlorobenzen	1	0	Avg	0.9972	0.8623	0.8639	0.9972	0.9380	0.9511	1.0287	-----	-----	0.948	9.17	0.999	1.00	6.9	0.20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2,3-Trichlorobenzen	1	0	Avg	0.8552	0.7753	0.8205	0.8636	0.8512	0.8259	0.8947	-----	-----	0.841	9.46	0.999	1.00	4.5		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Naphthalene	1	0	Avg	1.9829	1.7626	1.8056	2.0117	1.9871	1.9444	2.1363	2.0224	-----	1.96	9.32	0.998	1.00	6.2		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	

Flags
a - failed the min rf criteria
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 7.906
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

1051428 0153

Form 6
Initial Calibration

Method: EPA 8260D

Instrument: GCMS_6

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	6M139694.D	CAL @ 20 PPB	05/05/21 23:46	2	6M139696.D	CAL @ 5 PPB	05/06/21 00:28
3	6M139697.D	CAL @ 2 PPB	05/06/21 00:49	4	6M139692.D	CAL @ 50 PPB	05/05/21 23:04
5	6M139689.D	CAL @ 100 PPB	05/05/21 22:02	6	6M139686.D	CAL @ 250 PPB	05/05/21 20:59
7	6M139683.D	CAL @ 500 PPB	05/05/21 19:56	8	6M139698.D	CAL @ 1 PPB	05/06/21 01:10
9	6M139699.D	CAL @ 0.5 PPB	05/06/21 01:31				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	Avg	0.2284	0.2463	0.2586	0.2455	0.2614	0.2832	0.2915	-----	-----	0.259	1.64	0.999	1.00	8.5	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Dichlorodifluorometha	1	0	Avg	0.0782	0.0837	0.0866	0.0820	0.0911	0.1008	0.0996	-----	-----	0.0889	1.63	0.999	0.999	9.8	0.10 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chloromethane	1	0	Avg	0.2826	0.3075	0.3319	0.2834	0.2990	0.3139	0.2945	-----	-----	0.302	1.81	0.999	1.00	5.8	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromomethane	1	0	Avg	0.2319	0.2816	0.2805	0.2294	0.2285	0.2527	0.2745	-----	-----	0.254	2.23	0.998	1.00	9.7	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Vinyl Chloride	1	0	Avg	0.2602	0.2562	0.2289	0.2703	0.2941	0.3197	0.3035	-----	-----	0.276	1.91	0.999	0.999	11	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chloroethane	1	0	Avg	0.1916	0.2165	0.2250	0.2039	0.2164	0.2306	0.2247	-----	-----	0.216	2.32	1.00	1.00	6.3	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Trichlorofluoromethan	1	0	Avg	0.2939	0.3062	0.3292	0.3063	0.3461	0.3676	0.3544	-----	-----	0.329	2.55	0.999	1.00	8.5	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethyl ether	1	0	Avg	0.2012	0.1806	0.2363	0.2102	0.2164	0.2107	0.1916	-----	-----	0.207	2.79	0.997	1.00	8.7	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Furan	1	0	Avg	0.3215	0.3240	0.3539	0.3328	0.3534	0.3718	0.3513	-----	-----	0.344	2.84	0.999	1.00	5.4	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,1,2-Trichloro-1,2,2-tr	1	0	Avg	0.0727	0.0916	0.0738	0.0811	0.0910	0.1022	0.0976	-----	-----	0.0872	3.00	0.999	0.999	13	0.10 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methylene Chloride	1	0	Avg	0.2470	0.2590	0.3024	0.2486	0.2564	0.2620	0.2387	-----	-----	0.259	3.42	0.998	1.00	8.0	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Acrolein	1	0	Avg	0.0460	0.0440	0.0446	0.0488	0.0493	0.0488	0.0389	-----	-----	0.0458	2.91	0.985	0.999	8.1		100.0	25.00	10.00	250.0	500.0	1250.	2500.		
Acrylonitrile	1	0	Avg	0.1068	0.1082	0.1263	0.1063	0.1082	0.1075	0.0846	-----	-----	0.107	3.63	0.984	0.999	11		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Iodomethane	1	0	Qua	0.1809	0.1410	0.1399	0.2168	0.2648	0.3104	0.3306	-----	-----	0.226	3.15	0.998	0.999	34		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Acetone	1	0	Avg	0.0787	0.0801	0.0962	0.0772	0.0761	0.0752	0.0557	-----	-----	0.0771	3.04	0.974	0.999	15	0.10 a	100.0	25.00	10.00	250.0	500.0	1250.	2500.		
Carbon Disulfide	1	0	Avg	0.5167	0.6085	0.6633	0.5496	0.6006	0.6551	0.6269	-----	-----	0.603	3.22	0.999	0.999	8.9	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
t-Butyl Alcohol	1	0	Avg	0.0292	0.0308	0.0332	0.0310	0.0310	0.0310	0.0220	-----	-----	0.0298	3.50	0.964	0.998	12		100.0	25.00	10.00	250.0	500.0	1250.	2500.		
n-Hexane	1	0	Qua	0.0334	0.0443	0.0398	0.0406	0.0460	0.0686	-----	-----	-----	0.0455	3.90	0.981	1.00	27		20.00	5.00	2.00	50.00	100.0	250.0			
Di-isopropyl-ether	1	0	Avg	0.6400	0.6237	0.6505	0.6979	0.7678	0.8007	0.7737	-----	-----	0.708	4.06	1.00	1.00	10		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,1-Dichloroethene	1	0	Avg	0.2455	0.2572	0.2479	0.2692	0.2934	0.3214	0.3140	-----	-----	0.278	3.01	1.00	1.00	11	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methyl Acetate	1	0	Avg	0.1877	0.2003	0.2209	0.1991	0.2030	0.1992	0.1555	-----	-----	0.195	3.33	0.982	0.999	10	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methyl-t-butyl ether	1	0	Avg	0.5702	0.5180	0.5733	0.5949	0.6536	0.6512	0.6026	0.9352	-----	0.637	3.66	0.998	1.00	20	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
1,1-Dichloroethane	1	0	Avg	0.3863	0.4014	0.4071	0.4039	0.4250	0.4492	0.4325	-----	-----	0.415	4.02	1.00	1.00	5.2	0.20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
trans-1,2-Dichloroethe	1	0	Avg	0.2038	0.2134	0.2084	0.2209	0.2411	0.2576	0.2528	-----	-----	0.228	3.67	1.00	1.00	9.6	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethyl-t-butyl ether	1	0	Avg	0.6112	0.5847	0.5789	0.6643	0.7385	0.7530	0.7250	-----	-----	0.665	4.32	0.999	1.00	11	0.50	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
cis-1,2-Dichloroethene	1	0	Avg	0.3763	0.3957	0.4280	0.4062	0.4359	0.4571	0.4470	-----	-----	0.421	4.43	1.00	1.00	6.9	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromochloromethane	1	0	Avg	0.2195	0.2262	0.2502	0.2175	0.2251	0.2220	0.2123	-----	-----	0.225	4.59	0.999	1.00	5.4		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2,2-Dichloropropane	1	0	Avg	0.2275	0.2474	0.2438	0.2616	0.2863	0.3202	0.3353	-----	-----	0.275	4.44	0.999	1.00	15		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Ethyl acetate	1	0	Avg	0.2591	0.2811	0.3904	0.2579	0.2660	0.2652	0.2203	-----	-----	0.277	4.46	0.991	0.999	19		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,4-Dioxane	1	0	Avg	0.0034	0.0034	0.0031	0.0037	0.0037	0.0038	0.0031	-----	-----	0.00350	5.51	0.990	0.999	8.0		1000.	250.0	100.0	2500.	5000.	12500	25000		
1,1-Dichloropropene	1	0	Avg	0.2316	0.2242	0.1977	0.2517	0.2889	0.3166	0.3215	-----	-----	0.262	4.85	0.999	1.00	18		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chloroform	1	0	Avg	0.4127	0.4330	0.4280	0.4235	0.4523	0.4671	0.4501	-----	-----	0.438	4.63	1.00	1.00	4.3	0.20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Dibromofluoromethan	1	0	Avg	0.2960	0.3081	0.3215	0.2957	0.2879	0.2939	0.2321	0.3259	0.3264	0.299	4.73	-1	-1	9.7		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	0.1454	0.1602	0.1517	0.1693	0.1949	0.2259	0.2342	-----	-----	0.183	4.80	0.999	0.999	20	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2-Dichloroethane-d4	1	0	Avg	0.1386	0.1420	0.1443	0.1288	0.1338	0.1327	0.1024	0.1453	0.1519	0.136	4.93	-1	-1	11		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1,2-Dichloroethane	1	0	Avg	0.3368	0.3444	0.3784	0.3566	0.3711	0.3770	0.3759	-----	-----	0.363	4.97	1.00	1.00	4.7	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2-Butanone	1	0	Avg	0.1039	0.1299	0.0986	0.1154	0.1223	0.1260	0.1008	-----	-----	0.114	4.43	0.986	0.999	11	0.10 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,1,1-Trichloroethane	1	0	Avg	0.3178	0.3323	0.3094	0.3344	0.3643	0.3933	0.3914	-----	-----	0.349	4.76	1.00	1.00	9.8	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Carbon Tetrachloride	1	0	Qua	0.2232	0.2068	0.1683	0.2613	0.2910	0.3300	0.3376	-----	-----	0.260	4.85	0.999	1.00	25	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Vinyl Acetate	1	0	Avg	0.5688	0.5407	0.5661	0.6379	0.7227	0.7906	0.7556	-----	-----	0.655	4.06	0.999	0.999	16		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromodichloromethan	1	0	Avg	0.3143	0.3274	0.3325	0.3437	0.3613	0.3789	0.3922	-----	-----	0.350	5.59	1.00	1.00	8.1	0.20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		

Flags

a - failed the min rf criteria

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 16.54

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

1051428 0154

Form 6
Initial Calibration

Method: EPA 8260D

Instrument: GCMS_6

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	6M139694.D	CAL @ 20 PPB	05/05/21 23:46	2	6M139696.D	CAL @ 5 PPB	05/06/21 00:28
3	6M139697.D	CAL @ 2 PPB	05/06/21 00:49	4	6M139692.D	CAL @ 50 PPB	05/05/21 23:04
5	6M139689.D	CAL @ 100 PPB	05/05/21 22:02	6	6M139686.D	CAL @ 250 PPB	05/05/21 20:59
7	6M139683.D	CAL @ 500 PPB	05/05/21 19:56	8	6M139698.D	CAL @ 1 PPB	05/06/21 01:10
9	6M139699.D	CAL @ 0.5 PPB	05/06/21 01:31				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Methylcyclohexane	1	0	Qua	0.1074	0.1238	0.1136	0.1306	0.1556	0.1863	0.1981	-----	-----	0.145	5.45	0.998	0.999	25	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Dibromomethane	1	0	Avg	0.1933	0.1935	0.1822	0.2092	0.2197	0.2187	0.2206	-----	-----	0.205	5.52	1.00	1.00	7.6		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2-Dichloropropane	1	0	Avg	0.2330	0.2367	0.2591	0.2464	0.2604	0.2741	0.2775	-----	-----	0.255	5.45	1.00	1.00	6.8	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Trichloroethene	1	0	Avg	0.2567	0.2502	0.2447	0.2654	0.2876	0.3104	0.3273	-----	-----	0.278	5.32	0.999	1.00	11	0.20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Benzene	1	0	Qua	0.8015	0.8287	0.8380	0.8870	0.9356	1.0018	1.0384	1.6379	-----	0.996	4.97	0.999	1.00	27	0.50	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
tert-Amyl methyl ether	1	0	Avg	0.5131	0.4810	0.4495	0.5664	0.6232	0.6359	0.7648	-----	-----	0.576	5.01	0.993	1.00	19		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Iso-propylacetate	1	0	Avg	0.3984	0.4002	0.4031	0.4433	0.4650	0.4646	0.4961	-----	-----	0.439	4.97	0.999	1.00	8.9	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Methyl methacrylate	1	0	Avg	0.1543	0.1596	0.1554	0.1848	0.1939	0.1956	0.2163	-----	-----	0.180	5.48	0.998	1.00	13	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Dibromochloromethan	1	0	Avg	0.2689	0.2526	0.2663	0.2941	0.3098	0.3122	-----	-----	-----	0.284	6.44	1.00	1.00	8.7	0.10	20.00	5.00	2.00	50.00	100.0	250.0			
2-Chloroethylvinylethe	1	0	Avg	0.0142	0.0128	0.0147	0.0145	0.0171	0.0171	0.0194	-----	-----	0.0157	5.73	0.997	1.00	14		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
cis-1,3-Dichloropropen	1	0	Avg	0.3021	0.2909	0.2868	0.3413	0.3654	0.3904	0.4523	-----	-----	0.347	5.82	0.995	1.00	17	0.20	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
trans-1,3-Dichloroprop	1	0	Avg	0.2841	0.2557	0.2592	0.3134	0.3435	0.3630	-----	-----	-----	0.303	6.11	0.999	1.00	15	0.10	20.00	5.00	2.00	50.00	100.0	250.0			
Ethyl methacrylate	1	0	Avg	0.1825	0.1469	0.1614	0.2010	0.2298	0.2362	-----	-----	-----	0.193	6.13	0.999	1.00	19	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0			
1,1,2-Trichloroethane	1	0	Avg	0.2293	0.2414	0.2370	0.2363	0.2429	0.2438	0.3479	-----	-----	0.254	6.22	0.978	0.999	16	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2-Dibromoethane	1	0	Qua	0.2330	0.2278	0.2458	0.2473	0.2567	0.2555	0.3426	0.4459	0.1957	0.272	6.52	0.985	0.999	28	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	0.50
1,3-Dichloropropane	1	0	Avg	0.3514	0.3385	0.3637	0.3740	0.3950	0.3969	0.5526	-----	-----	0.396	6.31	0.981	0.999	18		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
4-Methyl-2-Pentanone	1	0	Avg	0.2216	0.2061	0.2325	0.2381	0.2552	0.2552	0.2507	-----	-----	0.237	5.89	1.00	1.00	7.8	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2-Hexanone	1	0	Avg	0.1545	0.1462	0.1445	0.1731	0.1829	0.1890	0.2243	-----	-----	0.174	6.32	0.994	1.00	16	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Tetrachloroethene	1	0	Avg	0.1884	0.2024	0.1648	0.2056	0.2255	0.2491	-----	-----	-----	0.206	6.32	0.998	1.00	14	0.20 a	20.00	5.00	2.00	50.00	100.0	250.0			
Toluene-d8	1	0	Avg	1.0714	1.0250	1.0291	1.0855	1.0793	1.0838	0.9931	1.0566	1.0252	1.05	5.98	-1	-1	3.1		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Qua	0.5171	0.5249	0.5155	0.5664	0.6130	0.6571	0.8068	0.9631	-----	0.646	6.02	0.991	1.00	25	0.40	20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
1,1,1,2-Tetrachloroeth	1	0	Qua	0.2499	0.2392	0.2450	0.2592	0.2800	0.2877	0.4054	-----	-----	0.281	6.81	0.980	0.999	21		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Chlorobenzene	1	0	Avg	0.6507	0.6616	0.6383	0.7049	0.7555	0.7847	0.9738	-----	-----	0.739	6.78	0.991	1.00	16	0.50	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
n-Butyl acrylate	1	0	Qua	0.5542	0.5421	0.5460	0.6366	0.6975	0.9921	-----	-----	-----	0.661	7.01	0.985	1.00	26	0.50	20.00	5.00	2.00	50.00	100.0	250.0			
n-Amyl acetate	1	0	Avg	0.5008	0.4963	0.5357	0.5815	0.6083	-----	-----	-----	-----	0.545	7.13	0.999	1.00	9.1	0.50 a	20.00	5.00	2.00	50.00	100.0				
Bromoform	1	0	Avg	0.3083	0.2906	0.3504	0.3431	0.3377	-----	-----	-----	-----	0.326	7.23	1.00	1.00	7.8	0.10	20.00	5.00	2.00	50.00	100.0				
Ethylbenzene	1	0	Qua	0.4123	0.4135	0.3724	0.4567	0.4569	0.6520	-----	0.7452	-----	0.501	6.82	0.985	1.00	28	0.10	20.00	5.00	2.00	50.00	100.0	250.0		1.00	
1,1,2,2-Tetrachloroeth	1	0	Avg	0.4769	0.5058	0.5082	0.4898	0.4808	0.7013	0.5687	-----	-----	0.533	7.44	0.986	0.992	15	0.10	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Bromofluorobenzene	1	0	Avg	0.7637	0.7445	0.7303	0.7689	0.7096	1.0761	0.8407	0.7405	0.7657	0.793	7.39	-1	-1	14		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	1.0217	0.9047	0.8252	1.1709	1.2140	-----	-----	-----	-----	1.03	7.10	0.999	1.00	16	0.30	20.00	5.00	2.00	50.00	100.0				
m&p-Xylenes	1	0	Qua	0.5704	0.5110	0.4775	0.6529	0.6782	0.9709	1.1840	0.9723	0.4695	0.721	6.87	0.988	0.999	36	0.10	40.00	10.00	4.00	100.0	200.0	500.0	1000.	2.00	1.00
o-Xylene	1	0	Qua	0.5830	0.5562	0.4997	0.6734	0.6948	1.0119	-----	0.9632	-----	0.712	7.10	0.983	1.00	28	0.30	20.00	5.00	2.00	50.00	100.0	250.0		1.00	
trans-1,4-Dichloro-2-b	1	0	Avg	0.1460	0.1433	0.1378	0.1659	0.1780	-----	-----	-----	-----	0.154	7.46	0.998	1.00	11		20.00	5.00	2.00	50.00	100.0				
1,3-Dichlorobenzene	1	0	Avg	0.8529	0.8603	0.8597	0.9653	1.0119	1.1418	1.1221	-----	-----	0.973	8.01	0.999	0.999	13	0.60	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,4-Dichlorobenzene	1	0	Avg	0.8648	0.9067	0.9730	0.9393	1.0180	1.0893	1.3961	-----	-----	1.03	8.06	0.988	1.00	17	0.50	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
1,2-Dichlorobenzene	1	0	Avg	0.8361	0.8555	0.8426	0.9576	0.9654	1.0413	1.0053	-----	-----	0.929	8.29	1.00	1.00	9.0	0.40	20.00	5.00	2.00	50.00	100.0	250.0	500.0		
Isopropylbenzene	1	0	Qua	1.3889	1.3294	1.2485	1.5902	1.6730	2.7804	-----	2.5059	-----	1.79	7.29	0.973	1.00	34	0.10	20.00	5.00	2.00	50.00	100.0	250.0		1.00	
Cyclohexanone	1	0	Qua	0.0140	0.0196	0.0252	0.0128	0.0133	0.0225	-----	-----	-----	0.0180	7.37	0.971	1.00	29		100.0	25.00	10.00	250.0	500.0	1250.			
Camphene	1	0	Qua	0.3172	0.3358	0.2853	0.3910	0.4123	0.7020	-----	-----	-----	0.407	7.46	0.972	1.00	37		20.00	5.00	2.00	50.00	100.0	250.0			
1,2,3-Trichloropropane	1	0	Avg	0.5348	0.5598	0.5889	0.5714	0.5708	0.8783	0.7277	-----	-----	0.633	7.48	0.987	0.991	20		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
2-Chlorotoluene	1	0	Avg	0.9234	0.8674	0.8552	1.0283	1.0630	-----	-----	-----	-----	0.948	7.59	0.999	1.00	9.9		20.00	5.00	2.00	50.00	100.0				

Flags
a - failed the min rf criteria
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 16.54
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

1051428 0155

Method: EPA 8260D

Form 6
Initial Calibration

Instrument: GCMS_6

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	6M139694.D	CAL @ 20 PPB	05/05/21 23:46	2	6M139696.D	CAL @ 5 PPB	05/06/21 00:28
3	6M139697.D	CAL @ 2 PPB	05/06/21 00:49	4	6M139692.D	CAL @ 50 PPB	05/05/21 23:04
5	6M139689.D	CAL @ 100 PPB	05/05/21 22:02	6	6M139686.D	CAL @ 250 PPB	05/05/21 20:59
7	6M139683.D	CAL @ 500 PPB	05/05/21 19:56	8	6M139698.D	CAL @ 1 PPB	05/06/21 01:10
9	6M139699.D	CAL @ 0.5 PPB	05/06/21 01:31				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
p-Ethyltoluene	1	0	Avg	1.5466	1.4282	1.3248	1.8507	1.9452	-----	-----	-----	-----	1.62	7.57	0.999	1.00	17		20.00	5.00	2.00	50.00	100.0				
4-Chlorotoluene	1	0	Avg	0.9158	0.8957	0.8714	1.0537	1.1378	1.0553	1.0676	-----	-----	1.00	7.65	1.00	1.00	10		20.00	5.00	2.00	50.00	100.0	250.0	500.0		
n-Propylbenzene	1	0	Qua	1.6025	1.5579	1.4510	1.9121	1.9669	3.4540	-----	2.9867	-----	2.13	7.52	0.969	0.999	36		20.00	5.00	2.00	50.00	100.0	250.0		1.00	
Bromobenzene	1	0	Qua	0.8991	0.8953	0.9620	1.0211	0.9963	1.6230	-----	-----	-----	1.07	7.49	0.976	0.999	26		20.00	5.00	2.00	50.00	100.0	250.0			
1.3.5-Trimethylbenzen	1	0	Qua	1.1328	1.0782	0.9128	1.3170	1.3768	1.6203	1.5207	1.8159	-----	1.35	7.60	0.998	0.999	22		20.00	5.00	2.00	50.00	100.0	250.0	500.0	1.00	
Butyl methacrylate	1	0	Qua	0.4432	0.4215	0.3966	0.4993	0.5421	0.4256	-----	0.7591	-----	0.498	7.61	0.988	0.998	25	0.50 a	20.00	5.00	2.00	50.00	100.0	250.0		1.00	
t-Butylbenzene	1	0	Qua	1.1607	1.1232	0.9908	1.3625	1.4660	1.8849	-----	2.0826	-----	1.44	7.80	0.991	1.00	28		20.00	5.00	2.00	50.00	100.0	250.0		1.00	
1.2.4-Trimethylbenzen	1	0	Qua	1.2170	1.1236	1.0502	1.4685	1.5619	1.6930	-----	2.0154	-----	1.45	7.82	0.999	1.00	24		20.00	5.00	2.00	50.00	100.0	250.0		1.00	
sec-Butylbenzene	1	0	Qua	1.4072	1.3003	1.1597	1.7094	1.8284	2.1283	-----	2.4884	-----	1.72	7.93	0.996	1.00	28		20.00	5.00	2.00	50.00	100.0	250.0		1.00	
4-Isopropyltoluene	1	0	Qua	1.2435	1.1445	1.0277	1.5059	1.6261	1.9773	-----	1.9381	-----	1.49	7.99	0.994	1.00	25		20.00	5.00	2.00	50.00	100.0	250.0		1.00	
n-Butylbenzene	1	0	Qua	1.2541	1.2041	1.0604	1.5663	1.6863	1.8586	-----	2.2567	-----	1.56	8.23	0.998	1.00	27		20.00	5.00	2.00	50.00	100.0	250.0		1.00	
p-Diethylbenzene	1	0	Qua	0.6778	0.7104	0.5922	0.8733	0.9624	1.3499	-----	-----	-----	0.861	8.21	0.986	1.00	32		20.00	5.00	2.00	50.00	100.0	250.0			
1.2.4.5-Tetramethylbe	1	0	Qua	0.9843	0.8721	0.8328	1.2337	1.4080	2.7112	-----	-----	-----	1.34	8.68	0.962	1.00	53		20.00	5.00	2.00	50.00	100.0	250.0			
1.2-Dibromo-3-Chloro	1	0	Qua	0.1253	0.1373	0.1309	0.1314	0.1319	0.2275	-----	-----	-----	0.147	8.74	0.971	0.999	27	0.05	20.00	5.00	2.00	50.00	100.0	250.0			
Camphor	1	0	Qua	0.0401	0.0424	0.0604	0.0487	0.0501	0.0753	-----	-----	-----	0.0529	9.18	0.981	1.00	25		200.0	50.00	20.00	500.0	1000.	2500.			
Hexachlorobutadiene	1	0	Qua	0.2422	0.2673	0.2465	0.2845	0.2887	0.5001	-----	-----	-----	0.305	9.32	0.971	0.999	32		20.00	5.00	2.00	50.00	100.0	250.0			
1.2.4-Trichlorobenzen	1	0	Qua	0.5460	0.5273	0.5699	0.6272	0.6401	1.0466	-----	-----	-----	0.660	9.23	0.975	1.00	30	0.20	20.00	5.00	2.00	50.00	100.0	250.0			
1.2.3-Trichlorobenzen	1	0	Qua	0.5117	0.5128	0.5615	0.5914	0.5975	0.9274	-----	-----	-----	0.617	9.54	0.979	1.00	25		20.00	5.00	2.00	50.00	100.0	250.0			
Naphthalene	1	0	Qua	1.2530	1.1424	1.2995	1.4737	1.5190	2.2679	-----	2.0989	-----	1.58	9.39	0.981	1.00	28		20.00	5.00	2.00	50.00	100.0	250.0		1.00	

Flags	*Note:* Avg Rsd: 16.54
a - failed the min rf criteria	*Corr 1 = Correlation Coefficient for linear Eq.*
c - failed the minimum correlation coeff criteria(if applicable)	*Corr 2 = Correlation Coefficient for quad Eq.*
	Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 8M546876.D **Instrument:** GCMS 8

Cont Calibration Date/Time 5/17/2021 8:24:00 A Method: EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	5.08	30.00	30	**			0.000	0.00	
Chlorodifluoromethane	1	0		1.66	30.84	50	20	0.1	0.334	0.206	38.33	C1
Dichlorodifluoromethane	1	0		1.66	72.57	50	20	0.1	0.132	0.192	45.14	C1
Chloromethane	1	0		1.82	52.96	50	20	0.1	0.269	0.285	5.93	
Bromomethane	1	0		2.19	49.74	50	20	0.1	0.205	0.204	0.52	
Vinyl Chloride	1	0		1.91	55.46	50	20	0.1	0.242	0.269	10.91	
Chloroethane	1	0		2.28	49.92	50	20	0.1	0.177	0.177	0.15	
Trichlorofluoromethane	1	0		2.49	43.95	50	20	0.1	0.486	0.428	12.10	
Ethyl ether	1	0		2.71	52.87	50	20	0.5	0.162	0.171	5.73	
Furan	1	0		2.75	44.78	50	20	0.5	0.350	0.313	10.43	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.91	44.60	50	20	0.1	0.244	0.218	10.81	
Methylene Chloride	1	0		3.30	45.00	50	20	0.1	0.253	0.228	10.00	
Acrolein	1	0		2.82	209.80	250	20		0.042	0.035	16.08	
Acrylonitrile	1	0		3.49	45.70	50	20		0.082	0.075	8.60	
Iodomethane	1	0		3.05	20.11	50	20		0.193	0.086	59.78	C1
Acetone	1	0		2.94	227.30	250	20	0.1	0.068	0.062	9.08	
Carbon Disulfide	1	0		3.12	43.09	50	20	0.1	0.795	0.685	13.82	
t-Butyl Alcohol	1	0		3.35	247.30	250	20		0.029	0.029	1.08	
n-Hexane	1	0		3.77	49.64	50	20		0.307	0.305	0.71	
Di-isopropyl-ether	1	0		3.93	45.64	50	20		0.650	0.593	8.72	
1,1-Dichloroethene	1	0		2.92	45.93	50	20	0.1	0.363	0.334	8.13	
Methyl Acetate	1	0		3.20	45.00	50	20	0.1	0.156	0.141	10.00	
Methyl-t-butyl ether	1	0		3.53	47.35	50	20	0.1	0.607	0.575	5.30	
1,1-Dichloroethane	1	0		3.89	47.30	50	20	0.2	0.415	0.393	5.39	
trans-1,2-Dichloroethene	1	0		3.54	44.43	50	20	0.1	0.279	0.248	11.14	
Ethyl-t-butyl ether	1	0		4.22	51.20	50	20	0.5	0.626	0.641	2.40	
cis-1,2-Dichloroethene	1	0		4.35	47.51	50	20	0.1	0.415	0.394	4.99	
Bromochloromethane	1	0		4.52	46.22	50	20		0.182	0.168	7.57	
2,2-Dichloropropane	1	0		4.36	47.94	50	20		0.415	0.398	4.11	
Ethyl acetate	1	0		4.37	42.31	50	20		0.230	0.195	15.38	
1,4-Dioxane	1	0		5.49	2095.60	2500	20		0.004	0.003	16.18	
1,1-Dichloropropene	1	0		4.80	45.38	50	20		0.374	0.340	9.23	
Chloroform	1	0		4.56	46.04	50	20	0.2	0.456	0.420	7.92	
Dibromofluoromethane	1	0	S	4.66	29.44	75	**		0.272	0.267	1.87	
Cyclohexane	1	0		4.75	47.83	50	20	0.1	0.375	0.359	4.35	
1,2-Dichloroethane-d4	1	0	S	4.89	30.88	75	**		0.129	0.133	2.92	
1,2-Dichloroethane	1	0		4.93	46.97	50	20	0.1	0.316	0.297	6.06	
2-Butanone	1	0		4.34	45.62	50	20	0.1	0.100	0.091	8.75	
1,1,1-Trichloroethane	1	0		4.70	45.37	50	20	0.1	0.455	0.413	9.27	
Carbon Tetrachloride	1	0		4.81	43.98	50	20	0.1	0.420	0.369	12.04	
Vinyl Acetate	1	0		3.91	44.01	50	20		0.728	0.641	11.97	
Bromodichloromethane	1	0		5.56	46.68	50	20	0.2	0.341	0.319	6.64	
Methylcyclohexane	1	0		5.41	46.51	50	20	0.1	0.463	0.430	6.98	
Dibromomethane	1	0		5.49	42.02	50	20		0.195	0.164	15.95	
1,2-Dichloropropane	1	0		5.42	47.60	50	20	0.1	0.234	0.222	4.79	
Trichloroethene	1	0		5.29	42.63	50	20	0.2	0.333	0.284	14.73	
Benzene	1	0		4.93	45.59	50	20	0.5	0.999	0.911	8.83	
tert-Amyl methyl ether	1	0		4.98	45.71	50	20		0.615	0.562	8.59	
Chlorobenzene-d5	1	0	I	6.75	30.00	30	**			0.000	0.00	
Iso-propylacetate	1	0		4.93	48.46	50	20	0.5	0.492	0.477	3.08	
Methyl methacrylate	1	0		5.45	49.96	50	20	0.5	0.224	0.224	0.08	
Dibromochloromethane	1	0		6.44	45.97	50	20	0.1	0.358	0.329	8.06	

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: **8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 8M546876.D **Instrument:** GCMS 8

Cont Calibration Date/Time 5/17/2021 8:24:00 A Method: EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
2-Chloroethylvinylether	1	0		5.71	15.51	50	20		0.056	0.017	68.98	C1
cis-1,3-Dichloropropene	1	0		5.81	50.77	50	20	0.2	0.477	0.485	1.53	
trans-1,3-Dichloropropene	1	0		6.10	50.60	50	20	0.1	0.428	0.433	1.19	
Ethyl methacrylate	1	0		6.13	49.54	50	20	0.5	0.234	0.232	0.93	
1,1,2-Trichloroethane	1	0		6.21	47.65	50	20	0.1	0.263	0.251	4.70	
1,2-Dibromoethane	1	0		6.51	45.04	50	20	0.1	0.298	0.269	9.92	
1,3-Dichloropropane	1	0		6.30	48.62	50	20		0.438	0.426	2.76	
4-Methyl-2-Pentanone	1	0		5.88	48.13	50	20	0.1	0.254	0.244	3.75	
2-Hexanone	1	0		6.32	49.01	50	20	0.1	0.188	0.184	1.98	
Tetrachloroethene	1	0		6.31	43.01	50	20	0.2	0.359	0.309	13.98	
Toluene-d8	1	0	S	5.97	30.50	75	**		1.257	1.278	1.66	
Toluene	1	0		6.00	46.42	50	20	0.4	0.850	0.789	7.16	
1,1,1,2-Tetrachloroethane	1	0		6.81	44.16	50	20		0.348	0.307	11.68	
Chlorobenzene	1	0		6.77	44.90	50	20	0.5	0.979	0.879	10.20	
1,4-Dichlorobenzene-d4	1	0	I	8.02	30.00	30	**			0.000	0.00	
n-Butyl acrylate	1	0		7.02	59.30	50	20	0.5	0.795	0.943	18.60	
n-Amyl acetate	1	0		7.14	52.13	50	20	0.5	0.721	0.752	4.26	
Bromoform	1	0		7.22	50.57	50	20	0.1	0.446	0.451	1.13	
Ethylbenzene	1	0		6.81	49.93	50	20	0.1	0.811	0.810	0.14	
1,1,2,2-Tetrachloroethane	1	0		7.43	52.14	50	20	0.1	0.609	0.635	4.28	
Bromofluorobenzene	1	0	S	7.38	30.92	75	**		0.770	0.793	3.07	
Styrene	1	0		7.09	51.47	50	20	0.3	1.791	1.844	2.94	
m&p-Xylenes	1	0		6.87	97.11	100	20	0.1	1.155	1.122	2.89	
o-Xylene	1	0		7.09	49.28	50	20	0.3	1.085	1.070	1.45	
trans-1,4-Dichloro-2-butene	1	0		7.46	51.23	50	20		0.310	0.318	2.47	
1,3-Dichlorobenzene	1	0		7.99	45.87	50	20	0.6	1.485	1.362	8.26	
1,4-Dichlorobenzene	1	0		8.03	46.75	50	20	0.5	1.446	1.352	6.51	
1,2-Dichlorobenzene	1	0		8.25	46.82	50	20	0.4	1.327	1.243	6.37	
Isopropylbenzene	1	0		7.28	50.14	50	20	0.1	2.867	2.875	0.29	
Cyclohexanone	1	0		7.35	364.48	250	20		0.022	0.033	45.79	C1
Camphene	1	0		7.45	50.72	50	20		1.047	1.063	1.44	
1,2,3-Trichloropropane	1	0		7.47	52.83	50	20		0.783	0.828	5.67	
2-Chlorotoluene	1	0		7.57	50.12	50	20		1.742	1.746	0.24	
p-Ethyltoluene	1	0		7.56	49.35	50	20		2.987	2.948	1.31	
4-Chlorotoluene	1	0		7.63	50.56	50	20		1.728	1.748	1.13	
n-Propylbenzene	1	0		7.51	50.30	50	20		3.287	3.307	0.61	
Bromobenzene	1	0		7.48	51.72	50	20		1.445	1.495	3.43	
1,3,5-Trimethylbenzene	1	0		7.59	50.24	50	20		2.301	2.312	0.47	
Butyl methacrylate	1	0		7.60	49.76	50	20	0.5	0.630	0.627	0.47	
t-Butylbenzene	1	0		7.78	47.85	50	20		2.505	2.397	4.31	
1,2,4-Trimethylbenzene	1	0		7.81	49.18	50	20		2.400	2.361	1.64	
sec-Butylbenzene	1	0		7.90	49.09	50	20		3.162	3.104	1.82	
4-Isopropyltoluene	1	0		7.97	48.76	50	20		2.796	2.727	2.47	
n-Butylbenzene	1	0		8.20	50.72	50	20		2.868	2.909	1.43	
p-Diethylbenzene	1	0		8.18	50.30	50	20		1.641	1.650	0.60	
1,2,4,5-Tetramethylbenzene	1	0		8.63	52.56	50	20		2.230	2.345	5.13	
1,2-Dibromo-3-Chloropropane	1	0		8.68	49.08	50	20	0.05	0.178	0.175	1.84	
Camphor	1	0		9.10	500.31	500	20		0.075	0.075	0.06	
Hexachlorobutadiene	1	0		9.24	45.05	50	20		0.573	0.517	9.89	
1,2,4-Trichlorobenzene	1	0		9.16	48.87	50	20	0.2	0.948	0.927	2.27	
1,2,3-Trichlorobenzene	1	0		9.45	48.28	50	20		0.841	0.812	3.45	
Naphthalene	1	0		9.31	51.36	50	20		1.957	2.010	2.72	

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 8M546913.D **Instrument:** GCMS 8

Cont Calibration Date/Time 5/17/2021 7:59:00 P Method: EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	5.08	30.00	30	**			0.000	0.00	
Chlorodifluoromethane	1	0		1.66	40.48	50	20	0.1	0.334	0.270	19.03	
Dichlorodifluoromethane	1	0		1.66	55.69	50	20	0.1	0.132	0.147	11.38	
Chloromethane	1	0		1.82	47.98	50	20	0.1	0.269	0.258	4.05	
Bromomethane	1	0		2.19	47.58	50	20	0.1	0.205	0.195	4.84	
Vinyl Chloride	1	0		1.91	48.88	50	20	0.1	0.242	0.237	2.25	
Chloroethane	1	0		2.28	46.08	50	20	0.1	0.177	0.163	7.83	
Trichlorofluoromethane	1	0		2.49	38.66	50	20	0.1	0.486	0.376	22.69	C1
Ethyl ether	1	0		2.71	50.22	50	20	0.5	0.162	0.162	0.44	
Furan	1	0		2.75	41.57	50	20	0.5	0.350	0.291	16.86	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.91	36.48	50	20	0.1	0.244	0.178	27.04	C1
Methylene Chloride	1	0		3.30	42.74	50	20	0.1	0.253	0.217	14.51	
Acrolein	1	0		2.82	202.25	250	20		0.042	0.034	19.10	
Acrylonitrile	1	0		3.50	44.89	50	20		0.082	0.074	10.21	
Iodomethane	1	0		3.05	15.52	50	20		0.193	0.066	68.97	C1
Acetone	1	0		2.94	227.59	250	20	0.1	0.068	0.062	8.96	
Carbon Disulfide	1	0		3.12	36.10	50	20	0.1	0.795	0.574	27.80	C1
t-Butyl Alcohol	1	0		3.35	257.68	250	20		0.029	0.030	3.07	
n-Hexane	1	0		3.77	42.33	50	20		0.307	0.260	15.34	
Di-isopropyl-ether	1	0		3.93	42.21	50	20		0.650	0.549	15.59	
1,1-Dichloroethene	1	0		2.92	40.51	50	20	0.1	0.363	0.294	18.98	
Methyl Acetate	1	0		3.20	44.01	50	20	0.1	0.156	0.138	11.97	
Methyl-t-butyl ether	1	0		3.53	46.30	50	20	0.1	0.607	0.562	7.39	
1,1-Dichloroethane	1	0		3.89	43.83	50	20	0.2	0.415	0.364	12.34	
trans-1,2-Dichloroethene	1	0		3.54	39.39	50	20	0.1	0.279	0.220	21.21	C1
Ethyl-t-butyl ether	1	0		4.22	47.95	50	20	0.5	0.626	0.600	4.11	
cis-1,2-Dichloroethene	1	0		4.35	43.66	50	20	0.1	0.415	0.362	12.68	
Bromochloromethane	1	0		4.52	44.23	50	20		0.182	0.161	11.54	
2,2-Dichloropropane	1	0		4.36	43.15	50	20		0.415	0.358	13.71	
Ethyl acetate	1	0		4.37	42.18	50	20		0.230	0.194	15.64	
1,4-Dioxane	1	0		5.49	2149.51	2500	20		0.004	0.003	14.02	
1,1-Dichloropropene	1	0		4.80	39.74	50	20		0.374	0.297	20.51	C1
Chloroform	1	0		4.56	42.35	50	20	0.2	0.456	0.386	15.30	
Dibromofluoromethane	1	0	S	4.66	30.09	75	**		0.272	0.272	0.30	
Cyclohexane	1	0		4.75	40.76	50	20	0.1	0.375	0.306	18.48	
1,2-Dichloroethane-d4	1	0	S	4.88	31.84	75	**		0.129	0.137	6.14	
1,2-Dichloroethane	1	0		4.93	44.54	50	20	0.1	0.316	0.282	10.93	
2-Butanone	1	0		4.34	45.86	50	20	0.1	0.100	0.091	8.29	
1,1,1-Trichloroethane	1	0		4.70	40.55	50	20	0.1	0.455	0.369	18.90	
Carbon Tetrachloride	1	0		4.81	38.68	50	20	0.1	0.420	0.325	22.64	C1
Vinyl Acetate	1	0		3.91	41.38	50	20		0.728	0.603	17.23	
Bromodichloromethane	1	0		5.56	42.63	50	20	0.2	0.341	0.291	14.74	
Methylcyclohexane	1	0		5.41	40.15	50	20	0.1	0.463	0.371	19.71	
Dibromomethane	1	0		5.49	39.26	50	20		0.195	0.153	21.49	C1
1,2-Dichloropropane	1	0		5.42	42.71	50	20	0.1	0.234	0.200	14.58	
Trichloroethene	1	0		5.29	36.96	50	20	0.2	0.333	0.246	26.09	C1
Benzene	1	0		4.93	40.84	50	20	0.5	0.999	0.816	18.31	
tert-Amyl methyl ether	1	0		4.98	43.24	50	20		0.615	0.532	13.52	
Chlorobenzene-d5	1	0	I	6.75	30.00	30	**			0.000	0.00	
Iso-propylacetate	1	0		4.93	46.06	50	20	0.5	0.492	0.454	7.88	
Methyl methacrylate	1	0		5.45	47.53	50	20	0.5	0.224	0.213	4.93	
Dibromochloromethane	1	0		6.43	42.40	50	20	0.1	0.358	0.303	15.20	

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 8M546913.D **Instrument:** GCMS 8

Cont Calibration Date/Time 5/17/2021 7:59:00 P Method: EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
2-Chloroethylvinylether	1	0		5.71	14.38	50	20		0.056	0.016	71.24	C1
cis-1,3-Dichloropropene	1	0		5.81	44.99	50	20	0.2	0.477	0.429	10.03	
trans-1,3-Dichloropropene	1	0		6.10	45.57	50	20	0.1	0.428	0.390	8.86	
Ethyl methacrylate	1	0		6.13	46.05	50	20	0.5	0.234	0.215	7.89	
1,1,2-Trichloroethane	1	0		6.21	44.00	50	20	0.1	0.263	0.232	12.00	
1,2-Dibromoethane	1	0		6.51	41.44	50	20	0.1	0.298	0.247	17.12	
1,3-Dichloropropane	1	0		6.30	44.31	50	20		0.438	0.389	11.39	
4-Methyl-2-Pentanone	1	0		5.88	47.67	50	20	0.1	0.254	0.242	4.66	
2-Hexanone	1	0		6.32	48.52	50	20	0.1	0.188	0.182	2.95	
Tetrachloroethene	1	0		6.31	36.28	50	20	0.2	0.359	0.260	27.45	C1
Toluene-d8	1	0	S	5.96	30.80	75	**		1.257	1.291	2.66	
Toluene	1	0		6.00	40.63	50	20	0.4	0.850	0.691	18.74	
1,1,1,2-Tetrachloroethane	1	0		6.80	39.56	50	20		0.348	0.275	20.88	C1
Chlorobenzene	1	0		6.77	39.29	50	20	0.5	0.979	0.769	21.42	C1
1,4-Dichlorobenzene-d4	1	0	I	8.02	30.00	30	**			0.000	0.00	
n-Butyl acrylate	1	0		7.02	52.54	50	20	0.5	0.795	0.835	5.07	
n-Amyl acetate	1	0		7.14	46.94	50	20	0.5	0.721	0.677	6.11	
Bromoform	1	0		7.21	45.07	50	20	0.1	0.446	0.402	9.86	
Ethylbenzene	1	0		6.82	41.18	50	20	0.1	0.811	0.668	17.64	
1,1,2,2-Tetrachloroethane	1	0		7.43	47.28	50	20	0.1	0.609	0.575	5.44	
Bromofluorobenzene	1	0	S	7.38	30.62	75	**		0.770	0.786	2.07	
Styrene	1	0		7.09	43.38	50	20	0.3	1.791	1.554	13.23	
m&p-Xylenes	1	0		6.87	81.05	100	20	0.1	1.155	0.936	18.95	
o-Xylene	1	0		7.09	41.21	50	20	0.3	1.085	0.895	17.57	
trans-1,4-Dichloro-2-butene	1	0		7.45	45.51	50	20		0.310	0.282	8.98	
1,3-Dichlorobenzene	1	0		7.99	39.07	50	20	0.6	1.485	1.161	21.86	C1
1,4-Dichlorobenzene	1	0		8.03	39.65	50	20	0.5	1.446	1.147	20.70	C1
1,2-Dichlorobenzene	1	0		8.25	39.78	50	20	0.4	1.327	1.056	20.44	
Isopropylbenzene	1	0		7.28	42.17	50	20	0.1	2.867	2.418	15.65	
Cyclohexanone	1	0		7.35	389.48	250	20		0.022	0.035	55.79	C1
Camphene	1	0		7.45	43.46	50	20		1.047	0.910	13.09	
1,2,3-Trichloropropane	1	0		7.47	47.35	50	20		0.783	0.742	5.30	
2-Chlorotoluene	1	0		7.57	42.89	50	20		1.742	1.494	14.22	
p-Ethyltoluene	1	0		7.56	41.66	50	20		2.987	2.489	16.68	
4-Chlorotoluene	1	0		7.63	42.33	50	20		1.728	1.463	15.34	
n-Propylbenzene	1	0		7.51	42.46	50	20		3.287	2.791	15.08	
Bromobenzene	1	0		7.48	44.78	50	20		1.445	1.295	10.43	
1,3,5-Trimethylbenzene	1	0		7.59	42.76	50	20		2.301	1.968	14.48	
Butyl methacrylate	1	0		7.60	47.42	50	20	0.5	0.630	0.597	5.16	
t-Butylbenzene	1	0		7.78	41.00	50	20		2.505	2.054	18.00	
1,2,4-Trimethylbenzene	1	0		7.81	41.32	50	20		2.400	1.984	17.36	
sec-Butylbenzene	1	0		7.90	41.93	50	20		3.162	2.651	16.14	
4-Isopropyltoluene	1	0		7.97	41.57	50	20		2.796	2.325	16.86	
n-Butylbenzene	1	0		8.20	43.23	50	20		2.868	2.480	13.54	
p-Diethylbenzene	1	0		8.18	42.42	50	20		1.641	1.392	15.16	
1,2,4,5-Tetramethylbenzene	1	0		8.63	44.79	50	20		2.230	1.998	10.41	
1,2-Dibromo-3-Chloropropane	1	0		8.68	45.56	50	20	0.05	0.178	0.163	8.87	
Camphor	1	0		9.10	501.70	500	20		0.075	0.076	0.34	
Hexachlorobutadiene	1	0		9.24	40.24	50	20		0.573	0.461	19.52	
1,2,4-Trichlorobenzene	1	0		9.16	41.87	50	20	0.2	0.948	0.794	16.27	
1,2,3-Trichlorobenzene	1	0		9.45	42.23	50	20		0.841	0.710	15.53	
Naphthalene	1	0		9.31	45.05	50	20		1.957	1.763	9.90	

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 11M91304.D **Instrument:** GCMS 11

Cont Calibration Date/Time 5/18/2021 10:02:00 Method: EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.95	30.00	30	**			0.000	0.00	
Chlorodifluoromethane	1	0		1.69	14.26	20	20	0.1	0.232	0.165	28.71	C1
Dichlorodifluoromethane	1	0		1.67	16.50	20	20	0.1	0.117	0.097	17.50	
Chloromethane	1	0		1.86	17.94	20	20	0.1	0.158	0.142	10.29	
Bromomethane	1	0		2.23	10.04	20	20	0.1	0.355	0.178	49.81	C1
Vinyl Chloride	1	0		1.94	19.08	20	20	0.1	0.255	0.244	4.60	
Chloroethane	1	0		2.32	19.77	20	20	0.1	0.247	0.244	1.13	
Trichlorofluoromethane	1	0		2.54	18.96	20	20	0.1	0.706	0.669	5.19	
Ethyl ether	1	0		2.77	22.35	20	20	0.5	0.149	0.167	11.75	
Furan	1	0		2.80	20.08	20	20	0.5	0.252	0.253	0.38	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.96	20.05	20	20	0.1	0.191	0.192	0.25	
Methylene Chloride	1	0		3.36	22.27	20	20	0.1	0.231	0.258	11.36	
Acrolein	1	0		2.88	139.18	100	20		0.029	0.045	39.18	C1
Acrylonitrile	1	0		3.57	30.03	20	20		0.066	0.098	50.14	C1
Iodomethane	1	0		3.11	14.06	20	20		0.184	0.193	29.69	C1
Acetone	1	0		3.01	134.75	100	20	0.1	0.053	0.072	34.75	C1
Carbon Disulfide	1	0		3.17	17.43	20	20	0.1	0.601	0.524	12.84	
t-Butyl Alcohol	1	0		3.43	70.99	100	20		0.036	0.026	29.01	C1
n-Hexane	1	0		3.80	22.25	20	20		0.150	0.167	11.23	
Di-isopropyl-ether	1	0		3.94	25.86	20	20		0.392	0.507	29.31	C1
1,1-Dichloroethene	1	0		2.97	18.47	20	20	0.1	0.294	0.271	7.65	
Methyl Acetate	1	0		3.27	27.71	20	20	0.1	0.114	0.157	38.54	C1
Methyl-t-butyl ether	1	0		3.58	28.16	20	20	0.1	0.511	0.719	40.80	C1
1,1-Dichloroethane	1	0		3.92	20.36	20	20	0.2	0.363	0.369	1.79	
trans-1,2-Dichloroethene	1	0		3.59	20.15	20	20	0.1	0.251	0.253	0.74	
Ethyl-t-butyl ether	1	0		4.19	22.32	20	20	0.5	0.554	0.618	11.59	
cis-1,2-Dichloroethene	1	0		4.30	20.45	20	20	0.1	0.361	0.369	2.27	
Bromochloromethane	1	0		4.45	22.55	20	20		0.157	0.177	12.75	
2,2-Dichloropropane	1	0		4.31	20.90	20	20		0.342	0.357	4.51	
Ethyl acetate	1	0		4.32	21.13	20	20		0.224	0.237	5.63	
1,4-Dioxane	1	0		5.33	643.51	1000	20		0.005	0.003	35.65	C1
1,1-Dichloropropene	1	0		4.69	19.03	20	20		0.334	0.318	4.85	
Chloroform	1	0		4.48	21.82	20	20	0.2	0.444	0.484	9.12	
Dibromofluoromethane	1	0	S	4.58	29.71	30	**		0.290	0.287	0.96	
Cyclohexane	1	0		4.64	21.54	20	20	0.1	0.217	0.234	7.70	
1,2-Dichloroethane-d4	1	0	S	4.77	32.57	30	**		0.128	0.139	8.56	
1,2-Dichloroethane	1	0		4.81	20.05	20	20	0.1	0.352	0.353	0.26	
2-Butanone	1	0		4.30	17.76	20	20	0.1	0.098	0.087	11.19	
1,1,1-Trichloroethane	1	0		4.60	19.34	20	20	0.1	0.421	0.407	3.31	
Carbon Tetrachloride	1	0		4.70	17.54	20	20	0.1	0.380	0.333	12.29	
Vinyl Acetate	1	0		3.94	21.68	20	20		0.557	0.682	8.41	
Bromodichloromethane	1	0		5.40	20.91	20	20	0.2	0.357	0.373	4.53	
Methylcyclohexane	1	0		5.26	21.52	20	20	0.1	0.306	0.329	7.59	
Dibromomethane	1	0		5.34	20.67	20	20		0.216	0.223	3.36	
1,2-Dichloropropane	1	0		5.27	21.31	20	20	0.1	0.211	0.225	6.57	
Trichloroethene	1	0		5.15	19.45	20	20	0.2	0.308	0.300	2.77	
Benzene	1	0		4.81	20.84	20	20	0.5	0.976	1.017	4.22	
tert-Amyl methyl ether	1	0		4.85	20.46	20	20		0.663	0.678	2.29	
Chlorobenzene-d5	1	0	I	6.54	30.00	30	**			0.000	0.00	
Iso-propylacetate	1	0		4.80	21.43	20	20	0.5	0.484	0.506	7.16	
Methyl methacrylate	1	0		5.29	18.42	20	20	0.5	0.201	0.185	7.90	
Dibromochloromethane	1	0		6.23	21.24	20	20	0.1	0.346	0.367	6.20	

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 11M91304.D **Instrument:** GCMS 11

Cont Calibration Date/Time 5/18/2021 10:02:00 Method: EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
2-Chloroethylvinylether	1	0		5.54	5.38	20	20		0.072	0.024	73.08	C1
cis-1,3-Dichloropropene	1	0		5.63	23.21	20	20	0.2	0.396	0.460	16.07	
trans-1,3-Dichloropropene	1	0		5.91	22.33	20	20	0.1	0.389	0.434	11.64	
Ethyl methacrylate	1	0		5.93	21.62	20	20	0.5	0.202	0.219	8.11	
1,1,2-Trichloroethane	1	0		6.01	22.50	20	20	0.1	0.280	0.315	12.49	
1,2-Dibromoethane	1	0		6.31	22.91	20	20	0.1	0.304	0.348	14.57	
1,3-Dichloropropane	1	0		6.11	22.40	20	20		0.458	0.513	11.99	
4-Methyl-2-Pentanone	1	0		5.69	21.52	20	20	0.1	0.250	0.269	7.58	
2-Hexanone	1	0		6.12	19.76	20	20	0.1	0.192	0.198	1.18	
Tetrachloroethene	1	0		6.11	17.38	20	20	0.2	0.289	0.251	13.12	
Toluene-d8	1	0	S	5.78	29.12	30	**		1.201	1.166	2.94	
Toluene	1	0		5.82	20.57	20	20	0.4	0.730	0.751	2.85	
1,1,1,2-Tetrachloroethane	1	0		6.59	19.54	20	20		0.315	0.307	2.28	
Chlorobenzene	1	0		6.56	21.31	20	20	0.5	0.844	0.899	6.57	
1,4-Dichlorobenzene-d4	1	0	I	7.81	30.00	30	**			0.000	0.00	
n-Butyl acrylate	1	0		6.79	21.36	20	20	0.5	0.817	0.872	6.80	
n-Amyl acetate	1	0		6.91	18.21	20	20	0.5	0.723	0.776	8.97	
Bromoform	1	0		7.00	19.94	20	20	0.1	0.472	0.471	0.32	
Ethylbenzene	1	0		6.60	19.20	20	20	0.1	0.720	0.691	4.01	
1,1,2,2-Tetrachloroethane	1	0		7.21	22.90	20	20	0.1	0.709	0.811	14.52	
Bromofluorobenzene	1	0	S	7.16	29.91	30	**		0.783	0.781	0.32	
Styrene	1	0		6.87	19.90	20	20	0.3	1.718	1.735	0.50	
m&p-Xylenes	1	0		6.66	42.15	40	20	0.1	0.927	0.977	5.38	
o-Xylene	1	0		6.87	19.78	20	20	0.3	1.017	1.006	1.11	
trans-1,4-Dichloro-2-butene	1	0		7.23	19.30	20	20		0.252	0.240	3.52	
1,3-Dichlorobenzene	1	0		7.77	20.61	20	20	0.6	1.184	1.220	3.05	
1,4-Dichlorobenzene	1	0		7.82	21.12	20	20	0.5	1.200	1.267	5.62	
1,2-Dichlorobenzene	1	0		8.05	21.93	20	20	0.4	1.077	1.181	9.64	
Isopropylbenzene	1	0		7.06	19.96	20	20	0.1	2.364	2.360	0.20	
Cyclohexanone	1	0		7.13	110.84	100	20		0.022	0.024	10.84	
Camphene	1	0		7.23	20.87	20	20		0.573	0.598	4.37	
1,2,3-Trichloropropane	1	0		7.25	20.32	20	20		0.882	0.896	1.60	
2-Chlorotoluene	1	0		7.36	19.62	20	20		1.382	1.355	1.91	
p-Ethyltoluene	1	0		7.34	19.97	20	20		2.359	2.356	0.13	
4-Chlorotoluene	1	0		7.41	19.71	20	20		1.314	1.295	1.45	
n-Propylbenzene	1	0		7.29	20.71	20	20		2.607	2.699	3.54	
Bromobenzene	1	0		7.26	21.18	20	20		1.283	1.359	5.91	
1,3,5-Trimethylbenzene	1	0		7.37	17.99	20	20		1.914	1.920	10.03	
Butyl methacrylate	1	0		7.37	20.43	20	20	0.5	0.535	0.527	2.15	
t-Butylbenzene	1	0		7.57	20.17	20	20		1.826	1.841	0.85	
1,2,4-Trimethylbenzene	1	0		7.59	21.22	20	20		1.865	1.979	6.11	
sec-Butylbenzene	1	0		7.69	20.91	20	20		2.140	2.237	4.54	
4-Isopropyltoluene	1	0		7.76	20.85	20	20		1.861	1.941	4.27	
n-Butylbenzene	1	0		7.99	21.70	20	20		1.853	2.010	8.50	
p-Diethylbenzene	1	0		7.98	21.01	20	20		1.056	1.110	5.04	
1,2,4,5-Tetramethylbenzene	1	0		8.43	24.09	20	20		1.361	1.639	20.46	
1,2-Dibromo-3-Chloropropane	1	0		8.49	21.50	20	20	0.05	0.172	0.185	7.50	
Camphor	1	0		8.93	193.94	200	20		0.072	0.078	3.03	
Hexachlorobutadiene	1	0		9.07	22.97	20	20		0.216	0.248	14.87	
1,2,4-Trichlorobenzene	1	0		8.98	26.37	20	20	0.2	0.521	0.687	31.84	C1
1,2,3-Trichlorobenzene	1	0		9.28	33.46	20	20		0.345	0.577	67.30	C1
Naphthalene	1	0		9.14	32.62	20	20		1.251	2.040	63.11	C1

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 6M140152.D **Instrument:** GCMS 6

Cont Calibration Date/Time 5/19/2021 8:33:00 A Method: EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	5.14	30.00	30	**			0.000	0.00	
Chlorodifluoromethane	1	0		1.67	23.33	50	20	0.1	0.259	0.121	53.34	C1
Dichlorodifluoromethane	1	0		1.65	36.14	50	20	0.1	0.089	0.064	27.73	C1
Chloromethane	1	0		1.84	37.54	50	20	0.1	0.302	0.227	24.92	C1
Bromomethane	1	0		2.25	35.70	50	20	0.1	0.254	0.182	28.60	C1
Vinyl Chloride	1	0		1.93	46.08	50	20	0.1	0.276	0.255	7.84	
Chloroethane	1	0		2.34	42.74	50	20	0.1	0.216	0.184	14.51	
Trichlorofluoromethane	1	0		2.57	68.77	50	20	0.1	0.329	0.453	37.55	C1
Ethyl ether	1	0		2.82	38.38	50	20	0.5	0.207	0.159	23.23	C1
Furan	1	0		2.87	49.13	50	20	0.5	0.344	0.338	1.74	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		3.03	98.32	50	20	0.1	0.087	0.171	96.65	C1
Methylene Chloride	1	0		3.45	48.01	50	20	0.1	0.259	0.249	3.97	
Acrolein	1	0		2.94	188.74	250	20		0.046	0.035	24.50	C1
Acrylonitrile	1	0		3.65	42.92	50	20		0.107	0.092	14.16	
Iodomethane	1	0		3.18	36.07	50	20		0.226	0.198	27.86	C1
Acetone	1	0		3.07	218.85	250	20	0.1	0.077	0.067	12.46	
Carbon Disulfide	1	0		3.25	47.84	50	20	0.1	0.603	0.577	4.32	
t-Butyl Alcohol	1	0		3.52	217.51	250	20		0.030	0.026	13.00	
n-Hexane	1	0		3.93	239.59	50	20		0.046	0.322	379.19	C1
Di-isopropyl-ether	1	0		4.07	54.30	50	20		0.708	0.769	8.60	
1,1-Dichloroethene	1	0		3.04	47.56	50	20	0.1	0.278	0.265	4.88	
Methyl Acetate	1	0		3.36	44.37	50	20	0.1	0.195	0.173	11.25	
Methyl-t-butyl ether	1	0		3.69	43.56	50	20	0.1	0.637	0.555	12.88	
1,1-Dichloroethane	1	0		4.04	46.64	50	20	0.2	0.415	0.387	6.73	
trans-1,2-Dichloroethene	1	0		3.70	56.54	50	20	0.1	0.228	0.258	13.08	
Ethyl-t-butyl ether	1	0		4.34	47.92	50	20	0.5	0.665	0.637	4.17	
cis-1,2-Dichloroethene	1	0		4.45	48.08	50	20	0.1	0.421	0.405	3.84	
Bromochloromethane	1	0		4.60	46.90	50	20		0.225	0.211	6.20	
2,2-Dichloropropane	1	0		4.45	59.72	50	20		0.275	0.328	19.43	
Ethyl acetate	1	0		4.47	49.53	50	20		0.277	0.275	0.94	
1,4-Dioxane	1	0		5.53	2481.52	2500	20		0.004	0.003	0.74	
1,1-Dichloropropene	1	0		4.86	61.85	50	20		0.262	0.324	23.70	C1
Chloroform	1	0		4.64	47.24	50	20	0.2	0.438	0.414	5.52	
Dibromofluoromethane	1	0	S	4.74	29.42	75	**		0.299	0.293	1.92	
Cyclohexane	1	0		4.81	105.72	50	20	0.1	0.183	0.387	111.44	C1
1,2-Dichloroethane-d4	1	0	S	4.94	24.50	75	**		0.136	0.111	18.33	
1,2-Dichloroethane	1	0		4.98	40.02	50	20	0.1	0.363	0.291	19.95	
2-Butanone	1	0		4.45	45.46	50	20	0.1	0.114	0.104	9.09	
1,1,1-Trichloroethane	1	0		4.77	52.64	50	20	0.1	0.349	0.367	5.28	
Carbon Tetrachloride	1	0		4.87	53.99	50	20	0.1	0.260	0.331	7.98	
Vinyl Acetate	1	0		4.07	54.79	50	20		0.655	0.717	9.58	
Bromodichloromethane	1	0		5.60	47.56	50	20	0.2	0.350	0.333	4.89	
Methylcyclohexane	1	0		5.45	131.89	50	20	0.1	0.145	0.451	163.77	C1
Dibromomethane	1	0		5.53	47.88	50	20		0.205	0.197	4.23	
1,2-Dichloropropane	1	0		5.46	50.08	50	20	0.1	0.255	0.256	0.17	
Trichloroethene	1	0		5.34	59.67	50	20	0.2	0.278	0.331	19.33	
Benzene	1	0		4.98	54.36	50	20	0.5	0.996	1.033	8.72	
tert-Amyl methyl ether	1	0		5.03	52.30	50	20		0.576	0.603	4.60	
Chlorobenzene-d5	1	0	I	6.76	30.00	30	**			0.000	0.00	
Iso-propylacetate	1	0		4.98	45.42	50	20	0.5	0.439	0.398	9.17	
Methyl methacrylate	1	0		5.48	51.61	50	20	0.5	0.180	0.186	3.23	
Dibromochloromethane	1	0		6.45	40.33	50	20	0.1	0.284	0.229	19.34	

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 50 PPB **Data File:** 6M140152.D **Instrument:** GCMS 6

Cont Calibration Date/Time 5/19/2021 8:33:00 A Method: EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
2-Chloroethylvinylether	1	0		5.73	43.78	50	20		0.016	0.014	12.44	
cis-1,3-Dichloropropene	1	0		5.84	44.62	50	20	0.2	0.347	0.310	10.75	
trans-1,3-Dichloropropene	1	0		6.12	43.51	50	20	0.1	0.303	0.264	12.99	
Ethyl methacrylate	1	0		6.14	52.05	50	20	0.5	0.193	0.201	4.09	
1,1,2-Trichloroethane	1	0		6.22	40.39	50	20	0.1	0.254	0.205	19.21	
1,2-Dibromoethane	1	0		6.53	47.15	50	20	0.1	0.272	0.196	5.71	
1,3-Dichloropropane	1	0		6.32	40.01	50	20		0.396	0.317	19.99	
4-Methyl-2-Pentanone	1	0		5.90	46.37	50	20	0.1	0.237	0.220	7.25	
2-Hexanone	1	0		6.33	46.29	50	20	0.1	0.174	0.161	7.42	
Tetrachloroethene	1	0		6.32	50.67	50	20	0.2	0.206	0.209	1.33	
Toluene-d8	1	0	S	5.99	27.77	75	**		1.050	0.972	7.44	
Toluene	1	0		6.03	52.63	50	20	0.4	0.646	0.584	5.27	
1,1,1,2-Tetrachloroethane	1	0		6.81	48.71	50	20		0.281	0.213	2.58	
Chlorobenzene	1	0		6.78	47.73	50	20	0.5	0.739	0.705	4.54	
1,4-Dichlorobenzene-d4	1	0	I	8.05	30.00	30	**			0.000	0.00	
n-Butyl acrylate	1	0		7.02	43.48	50	20	0.5	0.661	0.521	13.04	
n-Amyl acetate	1	0		7.13	49.07	50	20	0.5	0.545	0.534	1.87	
Bromoform	1	0		7.23	37.54	50	20	0.1	0.326	0.245	24.91	C1
Ethylbenzene	1	0		6.82	50.50	50	20	0.1	0.501	0.419	1.01	
1,1,2,2-Tetrachloroethane	1	0		7.45	37.85	50	20	0.1	0.533	0.404	24.29	C1
Bromofluorobenzene	1	0	S	7.40	26.43	75	**		0.793	0.699	11.89	
Styrene	1	0		7.10	50.75	50	20	0.3	1.027	1.043	1.50	
m&p-Xylenes	1	0		6.88	85.80	100	20	0.1	0.721	0.624	14.20	
o-Xylene	1	0		7.10	48.40	50	20	0.3	0.712	0.594	3.20	
trans-1,4-Dichloro-2-butene	1	0		7.47	52.73	50	20		0.154	0.163	5.47	
1,3-Dichlorobenzene	1	0		8.02	45.80	50	20	0.6	0.973	0.892	8.40	
1,4-Dichlorobenzene	1	0		8.07	42.20	50	20	0.5	1.027	0.867	15.60	
1,2-Dichlorobenzene	1	0		8.29	44.92	50	20	0.4	0.929	0.835	10.16	
Isopropylbenzene	1	0		7.29	56.39	50	20	0.1	1.788	1.634	12.77	
Cyclohexanone	1	0		7.37	335.09	250	20		0.018	0.017	34.03	C1
Camphene	1	0		7.47	70.64	50	20		0.407	0.534	41.27	C1
1,2,3-Trichloropropane	1	0		7.48	35.54	50	20		0.633	0.450	28.92	C1
2-Chlorotoluene	1	0		7.59	51.76	50	20		0.948	0.981	3.52	
p-Ethyltoluene	1	0		7.58	52.08	50	20		1.619	1.687	4.16	
4-Chlorotoluene	1	0		7.65	47.70	50	20		1.000	0.954	4.60	
n-Propylbenzene	1	0		7.52	56.83	50	20		2.133	1.917	13.67	
Bromobenzene	1	0		7.49	49.51	50	20		1.066	0.859	0.97	
1,3,5-Trimethylbenzene	1	0		7.61	43.75	50	20		1.347	1.371	12.49	
Butyl methacrylate	1	0		7.61	42.60	50	20	0.5	0.498	0.471	14.79	
t-Butylbenzene	1	0		7.81	53.19	50	20		1.439	1.427	6.38	
1,2,4-Trimethylbenzene	1	0		7.83	47.42	50	20		1.447	1.409	5.15	
sec-Butylbenzene	1	0		7.93	55.08	50	20		1.717	1.893	10.17	
4-Isopropyltoluene	1	0		8.00	53.87	50	20		1.495	1.623	7.74	
n-Butylbenzene	1	0		8.24	56.40	50	20		1.555	1.805	12.80	
p-Diethylbenzene	1	0		8.22	56.46	50	20		0.861	0.968	12.92	
1,2,4,5-Tetramethylbenzene	1	0		8.68	58.83	50	20		1.340	1.338	17.66	
1,2-Dibromo-3-Chloropropane	1	0		8.74	47.41	50	20	0.05	0.147	0.105	5.18	
Camphor	1	0		9.18	479.28	500	20		0.053	0.042	4.14	
Hexachlorobutadiene	1	0		9.32	60.93	50	20		0.305	0.311	21.85	C1
1,2,4-Trichlorobenzene	1	0		9.23	51.28	50	20	0.2	0.660	0.565	2.56	
1,2,3-Trichlorobenzene	1	0		9.54	49.43	50	20		0.617	0.516	1.15	
Naphthalene	1	0		9.40	48.23	50	20		1.579	1.281	3.54	

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 11M91393.D **Instrument:** GCMS 11

Cont Calibration Date/Time 5/19/2021 5:38:00 P Method: EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.95	30.00	30	**			0.000	0.00	
Chlorodifluoromethane	1	0		1.69	20.66	20	20	0.1	0.232	0.240	3.29	
Dichlorodifluoromethane	1	0		1.66	42.69	20	20	0.1	0.117	0.250	113.47	C1
Chloromethane	1	0		1.86	29.08	20	20	0.1	0.158	0.230	45.38	C1
Bromomethane	1	0		2.24	12.51	20	20	0.1	0.355	0.222	37.45	C1
Vinyl Chloride	1	0		1.94	24.72	20	20	0.1	0.255	0.316	23.58	C1
Chloroethane	1	0		2.32	22.52	20	20	0.1	0.247	0.278	12.59	
Trichlorofluoromethane	1	0		2.54	21.59	20	20	0.1	0.706	0.762	7.96	
Ethyl ether	1	0		2.77	22.79	20	20	0.5	0.149	0.170	13.93	
Furan	1	0		2.80	20.96	20	20	0.5	0.252	0.264	4.82	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.96	20.38	20	20	0.1	0.191	0.195	1.88	
Methylene Chloride	1	0		3.36	24.68	20	20	0.1	0.231	0.286	23.41	C1
Acrolein	1	0		2.88	120.09	100	20		0.029	0.039	20.09	
Acrylonitrile	1	0		3.56	29.35	20	20		0.066	0.096	46.76	C1
Iodomethane	1	0		3.11	19.58	20	20		0.184	0.270	2.11	
Acetone	1	0		3.00	129.34	100	20	0.1	0.053	0.069	29.34	C1
Carbon Disulfide	1	0		3.17	19.37	20	20	0.1	0.601	0.583	3.14	
t-Butyl Alcohol	1	0		3.43	72.25	100	20		0.036	0.026	27.75	C1
n-Hexane	1	0		3.80	22.77	20	20		0.150	0.171	13.83	
Di-isopropyl-ether	1	0		3.95	25.59	20	20		0.392	0.501	27.93	C1
1,1-Dichloroethene	1	0		2.97	23.02	20	20	0.1	0.294	0.338	15.09	
Methyl Acetate	1	0		3.27	30.22	20	20	0.1	0.114	0.172	51.08	C1
Methyl-t-butyl ether	1	0		3.58	26.62	20	20	0.1	0.511	0.680	33.12	C1
1,1-Dichloroethane	1	0		3.92	20.91	20	20	0.2	0.363	0.379	4.54	
trans-1,2-Dichloroethene	1	0		3.60	21.93	20	20	0.1	0.251	0.276	9.65	
Ethyl-t-butyl ether	1	0		4.19	20.73	20	20	0.5	0.554	0.574	3.67	
cis-1,2-Dichloroethene	1	0		4.30	21.45	20	20	0.1	0.361	0.387	7.25	
Bromochloromethane	1	0		4.45	23.74	20	20		0.157	0.186	18.69	
2,2-Dichloropropane	1	0		4.31	21.75	20	20		0.342	0.371	8.74	
Ethyl acetate	1	0		4.32	20.36	20	20		0.224	0.228	1.79	
1,4-Dioxane	1	0		5.33	735.15	1000	20		0.005	0.004	26.49	C1
1,1-Dichloropropene	1	0		4.69	19.79	20	20		0.334	0.330	1.05	
Chloroform	1	0		4.49	21.27	20	20	0.2	0.444	0.472	6.34	
Dibromofluoromethane	1	0	S	4.58	29.77	30	**		0.290	0.287	0.78	
Cyclohexane	1	0		4.65	20.99	20	20	0.1	0.217	0.228	4.96	
1,2-Dichloroethane-d4	1	0	S	4.77	31.64	30	**		0.128	0.135	5.48	
1,2-Dichloroethane	1	0		4.81	20.42	20	20	0.1	0.352	0.360	2.10	
2-Butanone	1	0		4.30	21.74	20	20	0.1	0.098	0.107	8.69	
1,1,1-Trichloroethane	1	0		4.61	19.66	20	20	0.1	0.421	0.413	1.71	
Carbon Tetrachloride	1	0		4.70	17.56	20	20	0.1	0.380	0.333	12.19	
Vinyl Acetate	1	0		3.94	19.29	20	20		0.557	0.606	3.54	
Bromodichloromethane	1	0		5.41	20.41	20	20	0.2	0.357	0.365	2.07	
Methylcyclohexane	1	0		5.27	17.92	20	20	0.1	0.306	0.274	10.41	
Dibromomethane	1	0		5.34	20.91	20	20		0.216	0.226	4.54	
1,2-Dichloropropane	1	0		5.27	21.96	20	20	0.1	0.211	0.232	9.79	
Trichloroethene	1	0		5.15	19.27	20	20	0.2	0.308	0.297	3.64	
Benzene	1	0		4.81	20.94	20	20	0.5	0.976	1.022	4.68	
tert-Amyl methyl ether	1	0		4.85	19.48	20	20		0.663	0.645	2.62	
Chlorobenzene-d5	1	0	I	6.54	30.00	30	**			0.000	0.00	
Iso-propylacetate	1	0		4.81	19.66	20	20	0.5	0.484	0.463	1.72	
Methyl methacrylate	1	0		5.30	19.15	20	20	0.5	0.201	0.192	4.23	
Dibromochloromethane	1	0		6.23	19.52	20	20	0.1	0.346	0.338	2.42	

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 11M91393.D **Instrument:** GCMS 11

Cont Calibration Date/Time 5/19/2021 5:38:00 P Method: EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
2-Chloroethylvinylether	1	0		5.54	33.21	20	20		0.072	0.146	66.04	C1
cis-1,3-Dichloropropene	1	0		5.63	21.85	20	20	0.2	0.396	0.433	9.24	
trans-1,3-Dichloropropene	1	0		5.91	21.13	20	20	0.1	0.389	0.411	5.64	
Ethyl methacrylate	1	0		5.93	19.80	20	20	0.5	0.202	0.200	1.02	
1,1,2-Trichloroethane	1	0		6.02	22.85	20	20	0.1	0.280	0.319	14.27	
1,2-Dibromoethane	1	0		6.31	22.07	20	20	0.1	0.304	0.335	10.35	
1,3-Dichloropropane	1	0		6.11	22.31	20	20		0.458	0.511	11.53	
4-Methyl-2-Pentanone	1	0		5.70	20.73	20	20	0.1	0.250	0.259	3.65	
2-Hexanone	1	0		6.12	18.37	20	20	0.1	0.192	0.184	8.15	
Tetrachloroethene	1	0		6.11	16.52	20	20	0.2	0.289	0.239	17.42	
Toluene-d8	1	0	S	5.78	29.77	30	**		1.201	1.192	0.78	
Toluene	1	0		5.82	21.19	20	20	0.4	0.730	0.774	5.94	
1,1,1,2-Tetrachloroethane	1	0		6.59	19.14	20	20		0.315	0.301	4.31	
Chlorobenzene	1	0		6.56	20.43	20	20	0.5	0.844	0.862	2.16	
1,4-Dichlorobenzene-d4	1	0	I	7.81	30.00	30	**			0.000	0.00	
n-Butyl acrylate	1	0		6.79	18.80	20	20	0.5	0.817	0.768	5.99	
n-Amyl acetate	1	0		6.91	15.91	20	20	0.5	0.723	0.678	20.45	
Bromoform	1	0		7.00	18.22	20	20	0.1	0.472	0.430	8.92	
Ethylbenzene	1	0		6.60	16.69	20	20	0.1	0.720	0.601	16.53	
1,1,2,2-Tetrachloroethane	1	0		7.21	22.07	20	20	0.1	0.709	0.782	10.37	
Bromofluorobenzene	1	0	S	7.16	28.87	30	**		0.783	0.754	3.76	
Styrene	1	0		6.88	18.33	20	20	0.3	1.718	1.596	8.33	
m&p-Xylenes	1	0		6.66	40.44	40	20	0.1	0.927	0.938	1.10	
o-Xylene	1	0		6.87	17.91	20	20	0.3	1.017	0.911	10.45	
trans-1,4-Dichloro-2-butene	1	0		7.23	15.48	20	20		0.252	0.192	22.61	C1
1,3-Dichlorobenzene	1	0		7.78	17.73	20	20	0.6	1.184	1.049	11.33	
1,4-Dichlorobenzene	1	0		7.83	19.25	20	20	0.5	1.200	1.155	3.75	
1,2-Dichlorobenzene	1	0		8.05	19.56	20	20	0.4	1.077	1.053	2.20	
Isopropylbenzene	1	0		7.06	17.81	20	20	0.1	2.364	2.106	10.93	
Cyclohexanone	1	0		7.14	98.21	100	20		0.022	0.021	1.79	
Camphene	1	0		7.23	16.62	20	20		0.573	0.476	16.89	
1,2,3-Trichloropropane	1	0		7.25	19.68	20	20		0.882	0.868	1.62	
2-Chlorotoluene	1	0		7.36	17.93	20	20		1.382	1.239	10.37	
p-Ethyltoluene	1	0		7.34	16.04	20	20		2.359	1.892	19.80	
4-Chlorotoluene	1	0		7.41	18.92	20	20		1.314	1.244	5.38	
n-Propylbenzene	1	0		7.29	18.64	20	20		2.607	2.429	6.82	
Bromobenzene	1	0		7.26	19.15	20	20		1.283	1.228	4.26	
1,3,5-Trimethylbenzene	1	0		7.37	16.26	20	20		1.914	1.733	18.72	
Butyl methacrylate	1	0		7.38	16.79	20	20	0.5	0.535	0.429	16.03	
t-Butylbenzene	1	0		7.57	18.02	20	20		1.826	1.645	9.90	
1,2,4-Trimethylbenzene	1	0		7.59	18.77	20	20		1.865	1.750	6.16	
sec-Butylbenzene	1	0		7.69	18.30	20	20		2.140	1.958	8.48	
4-Isopropyltoluene	1	0		7.76	17.67	20	20		1.861	1.644	11.65	
n-Butylbenzene	1	0		7.99	19.06	20	20		1.853	1.765	4.72	
p-Diethylbenzene	1	0		7.98	17.13	20	20		1.056	0.905	14.36	
1,2,4,5-Tetramethylbenzene	1	0		8.43	19.29	20	20		1.361	1.313	3.53	
1,2-Dibromo-3-Chloropropane	1	0		8.50	21.78	20	20	0.05	0.172	0.188	8.89	
Camphor	1	0		8.93	173.87	200	20		0.072	0.070	13.07	
Hexachlorobutadiene	1	0		9.07	21.83	20	20		0.216	0.236	9.13	
1,2,4-Trichlorobenzene	1	0		8.98	23.67	20	20	0.2	0.521	0.616	18.35	
1,2,3-Trichlorobenzene	1	0		9.29	30.27	20	20		0.345	0.522	51.37	C1
Naphthalene	1	0		9.14	30.02	20	20		1.251	1.877	50.10	C1

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** I1M91437.D **Instrument:** GCMS I1

Cont Calibration Date/Time 5/20/2021 9:43:00 A Method: EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.95	30.00	30	**			0.000	0.00	
Chlorodifluoromethane	1	0		1.69	24.77	20	20	0.1	0.232	0.288	23.85	C1
Dichlorodifluoromethane	1	0		1.66	16.46	20	20	0.1	0.117	0.097	17.69	
Chloromethane	1	0		1.86	18.17	20	20	0.1	0.158	0.143	9.13	
Bromomethane	1	0		2.24	9.79	20	20	0.1	0.355	0.174	51.06	C1
Vinyl Chloride	1	0		1.94	18.12	20	20	0.1	0.255	0.231	9.42	
Chloroethane	1	0		2.32	19.66	20	20	0.1	0.247	0.243	1.69	
Trichlorofluoromethane	1	0		2.54	19.10	20	20	0.1	0.706	0.674	4.49	
Ethyl ether	1	0		2.76	22.66	20	20	0.5	0.149	0.169	13.31	
Furan	1	0		2.81	20.62	20	20	0.5	0.252	0.260	3.08	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.97	20.24	20	20	0.1	0.191	0.194	1.21	
Methylene Chloride	1	0		3.36	22.63	20	20	0.1	0.231	0.262	13.17	
Acrolein	1	0		2.88	126.64	100	20		0.029	0.041	26.64	C1
Acrylonitrile	1	0		3.56	30.26	20	20		0.066	0.099	51.32	C1
Iodomethane	1	0		3.11	18.09	20	20		0.184	0.249	9.56	
Acetone	1	0		3.00	138.46	100	20	0.1	0.053	0.074	38.46	C1
Carbon Disulfide	1	0		3.18	17.25	20	20	0.1	0.601	0.519	13.77	
t-Butyl Alcohol	1	0		3.42	68.64	100	20		0.036	0.025	31.36	C1
n-Hexane	1	0		3.80	23.22	20	20		0.150	0.175	16.10	
Di-isopropyl-ether	1	0		3.94	26.23	20	20		0.392	0.514	31.16	C1
1,1-Dichloroethene	1	0		2.97	19.39	20	20	0.1	0.294	0.285	3.07	
Methyl Acetate	1	0		3.27	31.38	20	20	0.1	0.114	0.178	56.91	C1
Methyl-t-butyl ether	1	0		3.58	29.08	20	20	0.1	0.511	0.743	45.41	C1
1,1-Dichloroethane	1	0		3.91	20.69	20	20	0.2	0.363	0.375	3.45	
trans-1,2-Dichloroethene	1	0		3.60	20.89	20	20	0.1	0.251	0.263	4.47	
Ethyl-t-butyl ether	1	0		4.19	23.29	20	20	0.5	0.554	0.645	16.46	
cis-1,2-Dichloroethene	1	0		4.30	21.52	20	20	0.1	0.361	0.388	7.58	
Bromochloromethane	1	0		4.45	24.82	20	20		0.157	0.195	24.12	C1
2,2-Dichloropropane	1	0		4.31	21.44	20	20		0.342	0.366	7.20	
Ethyl acetate	1	0		4.32	20.67	20	20		0.224	0.232	3.37	
1,4-Dioxane	1	0		5.33	568.02	1000	20		0.005	0.003	43.20	C1
1,1-Dichloropropene	1	0		4.69	20.45	20	20		0.334	0.341	2.27	
Chloroform	1	0		4.48	21.67	20	20	0.2	0.444	0.481	8.37	
Dibromofluoromethane	1	0	S	4.58	29.42	30	**		0.290	0.284	1.94	
Cyclohexane	1	0		4.64	21.71	20	20	0.1	0.217	0.235	8.54	
1,2-Dichloroethane-d4	1	0	S	4.77	32.92	30	**		0.128	0.141	9.74	
1,2-Dichloroethane	1	0		4.81	20.94	20	20	0.1	0.352	0.369	4.68	
2-Butanone	1	0		4.30	22.33	20	20	0.1	0.098	0.110	11.67	
1,1,1-Trichloroethane	1	0		4.60	19.77	20	20	0.1	0.421	0.416	1.13	
Carbon Tetrachloride	1	0		4.70	18.79	20	20	0.1	0.380	0.357	6.04	
Vinyl Acetate	1	0		3.94	21.15	20	20		0.557	0.665	5.75	
Bromodichloromethane	1	0		5.41	21.36	20	20	0.2	0.357	0.381	6.79	
Methylcyclohexane	1	0		5.26	20.70	20	20	0.1	0.306	0.316	3.49	
Dibromomethane	1	0		5.34	21.57	20	20		0.216	0.233	7.85	
1,2-Dichloropropane	1	0		5.27	22.31	20	20	0.1	0.211	0.235	11.57	
Trichloroethene	1	0		5.15	22.50	20	20	0.2	0.308	0.347	12.48	
Benzene	1	0		4.81	20.37	20	20	0.5	0.976	0.994	1.86	
tert-Amyl methyl ether	1	0		4.85	21.72	20	20		0.663	0.720	8.61	
Chlorobenzene-d5	1	0	I	6.54	30.00	30	**			0.000	0.00	
Iso-propylacetate	1	0		4.81	21.55	20	20	0.5	0.484	0.509	7.75	
Methyl methacrylate	1	0		5.29	22.09	20	20	0.5	0.201	0.222	10.46	
Dibromochloromethane	1	0		6.23	21.29	20	20	0.1	0.346	0.368	6.46	

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 11M91437.D **Instrument:** GCMS 11

Cont Calibration Date/Time 5/20/2021 9:43:00 A Method: EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
2-Chloroethylvinylether	1	0		5.54	6.59	20	20		0.072	0.029	67.06	C1
cis-1,3-Dichloropropene	1	0		5.63	23.13	20	20	0.2	0.396	0.459	15.66	
trans-1,3-Dichloropropene	1	0		5.91	23.34	20	20	0.1	0.389	0.454	16.72	
Ethyl methacrylate	1	0		5.93	22.31	20	20	0.5	0.202	0.226	11.56	
1,1,2-Trichloroethane	1	0		6.01	23.37	20	20	0.1	0.280	0.327	16.83	
1,2-Dibromoethane	1	0		6.31	22.99	20	20	0.1	0.304	0.349	14.93	
1,3-Dichloropropane	1	0		6.10	22.75	20	20		0.458	0.521	13.75	
4-Methyl-2-Pentanone	1	0		5.69	22.40	20	20	0.1	0.250	0.280	11.99	
2-Hexanone	1	0		6.11	20.51	20	20	0.1	0.192	0.206	2.53	
Tetrachloroethene	1	0		6.11	18.75	20	20	0.2	0.289	0.271	6.24	
Toluene-d8	1	0	S	5.78	29.92	30	**		1.201	1.198	0.26	
Toluene	1	0		5.82	22.42	20	20	0.4	0.730	0.819	12.12	
1,1,1,2-Tetrachloroethane	1	0		6.59	20.27	20	20		0.315	0.319	1.35	
Chlorobenzene	1	0		6.56	23.57	20	20	0.5	0.844	0.995	17.85	
1,4-Dichlorobenzene-d4	1	0	I	7.81	30.00	30	**			0.000	0.00	
n-Butyl acrylate	1	0		6.79	22.66	20	20	0.5	0.817	0.925	13.28	
n-Amyl acetate	1	0		6.91	19.31	20	20	0.5	0.723	0.823	3.47	
Bromoform	1	0		7.00	19.46	20	20	0.1	0.472	0.460	2.72	
Ethylbenzene	1	0		6.60	18.42	20	20	0.1	0.720	0.663	7.90	
1,1,2,2-Tetrachloroethane	1	0		7.21	23.76	20	20	0.1	0.709	0.842	18.81	
Bromofluorobenzene	1	0	S	7.16	30.52	30	**		0.783	0.797	1.72	
Styrene	1	0		6.87	20.23	20	20	0.3	1.718	1.764	1.17	
m&p-Xylenes	1	0		6.65	44.41	40	20	0.1	0.927	1.030	11.03	
o-Xylene	1	0		6.87	19.91	20	20	0.3	1.017	1.013	0.45	
trans-1,4-Dichloro-2-butene	1	0		7.23	19.13	20	20		0.252	0.238	4.34	
1,3-Dichlorobenzene	1	0		7.77	21.18	20	20	0.6	1.184	1.253	5.89	
1,4-Dichlorobenzene	1	0		7.82	21.59	20	20	0.5	1.200	1.295	7.94	
1,2-Dichlorobenzene	1	0		8.04	21.76	20	20	0.4	1.077	1.171	8.78	
Isopropylbenzene	1	0		7.06	20.55	20	20	0.1	2.364	2.429	2.76	
Cyclohexanone	1	0		7.14	117.02	100	20		0.022	0.025	17.02	
Camphene	1	0		7.23	20.16	20	20		0.573	0.578	0.82	
1,2,3-Trichloropropane	1	0		7.25	20.93	20	20		0.882	0.923	4.66	
2-Chlorotoluene	1	0		7.36	19.76	20	20		1.382	1.365	1.22	
p-Ethyltoluene	1	0		7.34	20.65	20	20		2.359	2.436	3.26	
4-Chlorotoluene	1	0		7.41	20.32	20	20		1.314	1.335	1.58	
n-Propylbenzene	1	0		7.29	20.56	20	20		2.607	2.680	2.81	
Bromobenzene	1	0		7.26	21.74	20	20		1.283	1.394	8.68	
1,3,5-Trimethylbenzene	1	0		7.37	17.62	20	20		1.914	1.880	11.89	
Butyl methacrylate	1	0		7.37	22.23	20	20	0.5	0.535	0.576	11.14	
t-Butylbenzene	1	0		7.57	20.44	20	20		1.826	1.866	2.21	
1,2,4-Trimethylbenzene	1	0		7.59	21.60	20	20		1.865	2.014	8.02	
sec-Butylbenzene	1	0		7.69	20.94	20	20		2.140	2.240	4.70	
4-Isopropyltoluene	1	0		7.76	20.95	20	20		1.861	1.950	4.74	
n-Butylbenzene	1	0		7.99	21.87	20	20		1.853	2.026	9.35	
p-Diethylbenzene	1	0		7.97	22.00	20	20		1.056	1.162	10.01	
1,2,4,5-Tetramethylbenzene	1	0		8.43	25.03	20	20		1.361	1.703	25.13	C1
1,2-Dibromo-3-Chloropropane	1	0		8.49	22.44	20	20	0.05	0.172	0.193	12.21	
Camphor	1	0		8.93	171.16	200	20		0.072	0.068	14.42	
Hexachlorobutadiene	1	0		9.07	21.28	20	20		0.216	0.230	6.39	
1,2,4-Trichlorobenzene	1	0		8.98	26.61	20	20	0.2	0.521	0.693	33.04	C1
1,2,3-Trichlorobenzene	1	0		9.28	35.28	20	20		0.345	0.608	76.41	C1
Naphthalene	1	0		9.14	35.30	20	20		1.251	2.207	76.49	C1

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** I1M91466.D **Instrument:** GCMS I1

Cont Calibration Date/Time 5/20/2021 7:52:00 P Method: EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.95	30.00	30	**			0.000	0.00	
Chlorodifluoromethane	1	0		1.69	20.63	20	20	0.1	0.232	0.239	3.14	
Dichlorodifluoromethane	1	0		1.66	14.93	20	20	0.1	0.117	0.088	25.33	C1
Chloromethane	1	0		1.85	17.79	20	20	0.1	0.158	0.140	11.04	
Bromomethane	1	0		2.23	11.67	20	20	0.1	0.355	0.207	41.67	C1
Vinyl Chloride	1	0		1.94	16.99	20	20	0.1	0.255	0.217	15.07	
Chloroethane	1	0		2.32	19.11	20	20	0.1	0.247	0.236	4.46	
Trichlorofluoromethane	1	0		2.54	18.60	20	20	0.1	0.706	0.657	7.01	
Ethyl ether	1	0		2.76	22.85	20	20	0.5	0.149	0.170	14.27	
Furan	1	0		2.81	21.36	20	20	0.5	0.252	0.269	6.81	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.96	20.51	20	20	0.1	0.191	0.196	2.53	
Methylene Chloride	1	0		3.36	23.20	20	20	0.1	0.231	0.268	15.98	
Acrolein	1	0		2.88	122.28	100	20		0.029	0.040	22.28	C1
Acrylonitrile	1	0		3.56	29.56	20	20		0.066	0.097	47.80	C1
Iodomethane	1	0		3.11	19.42	20	20		0.184	0.268	2.92	
Acetone	1	0		3.00	139.22	100	20	0.1	0.053	0.074	39.22	C1
Carbon Disulfide	1	0		3.18	16.84	20	20	0.1	0.601	0.506	15.80	
t-Butyl Alcohol	1	0		3.43	75.15	100	20		0.036	0.027	24.85	C1
n-Hexane	1	0		3.80	22.44	20	20		0.150	0.169	12.19	
Di-isopropyl-ether	1	0		3.94	27.48	20	20		0.392	0.538	37.38	C1
1,1-Dichloroethene	1	0		2.97	20.22	20	20	0.1	0.294	0.297	1.08	
Methyl Acetate	1	0		3.27	30.10	20	20	0.1	0.114	0.171	50.51	C1
Methyl-t-butyl ether	1	0		3.58	29.76	20	20	0.1	0.511	0.760	48.81	C1
1,1-Dichloroethane	1	0		3.91	21.82	20	20	0.2	0.363	0.396	9.09	
trans-1,2-Dichloroethene	1	0		3.59	20.68	20	20	0.1	0.251	0.260	3.40	
Ethyl-t-butyl ether	1	0		4.19	23.81	20	20	0.5	0.554	0.659	19.05	
cis-1,2-Dichloroethene	1	0		4.30	21.26	20	20	0.1	0.361	0.383	6.28	
Bromochloromethane	1	0		4.45	23.38	20	20		0.157	0.184	16.90	
2,2-Dichloropropane	1	0		4.31	21.32	20	20		0.342	0.364	6.60	
Ethyl acetate	1	0		4.32	20.60	20	20		0.224	0.231	2.99	
1,4-Dioxane	1	0		5.33	836.65	1000	20		0.005	0.004	16.34	
1,1-Dichloropropene	1	0		4.69	19.64	20	20		0.334	0.328	1.79	
Chloroform	1	0		4.48	21.62	20	20	0.2	0.444	0.480	8.09	
Dibromofluoromethane	1	0	S	4.58	29.89	30	**		0.290	0.289	0.36	
Cyclohexane	1	0		4.64	22.49	20	20	0.1	0.217	0.244	12.47	
1,2-Dichloroethane-d4	1	0	S	4.77	34.41	30	**		0.128	0.147	14.71	
1,2-Dichloroethane	1	0		4.81	21.16	20	20	0.1	0.352	0.373	5.82	
2-Butanone	1	0		4.29	22.21	20	20	0.1	0.098	0 109	11.06	
1,1,1-Trichloroethane	1	0		4.61	19.78	20	20	0.1	0.421	0.416	1.12	
Carbon Tetrachloride	1	0		4.70	18.33	20	20	0.1	0.380	0.348	8.34	
Vinyl Acetate	1	0		3.94	21.83	20	20		0.557	0.687	9.17	
Bromodichloromethane	1	0		5.40	21.95	20	20	0.2	0.357	0.392	9.75	
Methylcyclohexane	1	0		5.26	21.62	20	20	0.1	0.306	0.331	8.09	
Dibromomethane	1	0		5.34	21.87	20	20		0.216	0.236	9.34	
1,2-Dichloropropane	1	0		5.27	22.70	20	20	0.1	0.211	0.239	13.49	
Trichloroethene	1	0		5.15	19.96	20	20	0.2	0.308	0.308	0.19	
Benzene	1	0		4.81	21.13	20	20	0.5	0.976	1.031	5.67	
tert-Amyl methyl ether	1	0		4.85	21.68	20	20		0.663	0.718	8.42	
Chlorobenzene-d5	1	0	I	6.54	30.00	30	**			0.000	0.00	
Iso-propylacetate	1	0		4.80	20.62	20	20	0.5	0.484	0.486	3.12	
Methyl methacrylate	1	0		5.30	22.64	20	20	0.5	0.201	0.227	13.20	
Dibromochloromethane	1	0		6.23	20.36	20	20	0.1	0.346	0.352	1.81	

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 11M91466.D **Instrument:** GCMS 11

Cont Calibration Date/Time 5/20/2021 7:52:00 P Method: EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
2-Chloroethylvinylether	1	0		5.53	6.69	20	20		0.072	0.029	66.57	C1
cis-1,3-Dichloropropene	1	0		5.63	22.79	20	20	0.2	0.396	0.452	13.93	
trans-1,3-Dichloropropene	1	0		5.91	21.98	20	20	0.1	0.389	0.427	9.89	
Ethyl methacrylate	1	0		5.93	21.55	20	20	0.5	0.202	0.218	7.77	
1,1,2-Trichloroethane	1	0		6.02	21.84	20	20	0.1	0.280	0.305	9.19	
1,2-Dibromoethane	1	0		6.31	22.52	20	20	0.1	0.304	0.342	12.62	
1,3-Dichloropropane	1	0		6.11	21.75	20	20		0.458	0.498	8.77	
4-Methyl-2-Pentanone	1	0		5.69	20.92	20	20	0.1	0.250	0.261	4.58	
2-Hexanone	1	0		6.12	19.97	20	20	0.1	0.192	0.200	0.17	
Tetrachloroethene	1	0		6.11	18.57	20	20	0.2	0.289	0.269	7.17	
Toluene-d8	1	0	S	5.78	29.10	30	**		1.201	1.165	3.00	
Toluene	1	0		5.82	20.55	20	20	0.4	0.730	0.750	2.75	
1,1,1,2-Tetrachloroethane	1	0		6.59	19.22	20	20		0.315	0.302	3.92	
Chlorobenzene	1	0		6.56	21.76	20	20	0.5	0.844	0.918	8.80	
1,4-Dichlorobenzene-d4	1	0	I	7.81	30.00	30	**			0.000	0.00	
n-Butyl acrylate	1	0		6.79	21.66	20	20	0.5	0.817	0.884	8.29	
n-Amyl acetate	1	0		6.91	18.95	20	20	0.5	0.723	0.808	5.27	
Bromoform	1	0		7.00	19.52	20	20	0.1	0.472	0.461	2.41	
Ethylbenzene	1	0		6.60	19.66	20	20	0.1	0.720	0.708	1.68	
1,1,2,2-Tetrachloroethane	1	0		7.21	21.67	20	20	0.1	0.709	0.768	8.34	
Bromofluorobenzene	1	0	S	7.16	30.37	30	**		0.783	0.793	1.25	
Styrene	1	0		6.88	19.61	20	20	0.3	1.718	1.709	1.94	
m&p-Xylenes	1	0		6.65	44.28	40	20	0.1	0.927	1.027	10.70	
o-Xylene	1	0		6.87	19.15	20	20	0.3	1.017	0.974	4.26	
trans-1,4-Dichloro-2-butene	1	0		7.23	19.16	20	20		0.252	0.238	4.18	
1,3-Dichlorobenzene	1	0		7.78	20.56	20	20	0.6	1.184	1.216	2.79	
1,4-Dichlorobenzene	1	0		7.82	20.95	20	20	0.5	1.200	1.257	4.77	
1,2-Dichlorobenzene	1	0		8.04	22.18	20	20	0.4	1.077	1.194	10.90	
Isopropylbenzene	1	0		7.06	20.04	20	20	0.1	2.364	2.369	0.18	
Cyclohexanone	1	0		7.14	120.85	100	20		0.022	0.026	20.85	C1
Camphene	1	0		7.23	18.76	20	20		0.573	0.537	6.21	
1,2,3-Trichloropropane	1	0		7.25	20.30	20	20		0.882	0.895	1.48	
2-Chlorotoluene	1	0		7.36	19.61	20	20		1.382	1.355	1.94	
p-Ethyltoluene	1	0		7.34	20.40	20	20		2.359	2.406	1.99	
4-Chlorotoluene	1	0		7.41	20.58	20	20		1.314	1.353	2.92	
n-Propylbenzene	1	0		7.29	20.60	20	20		2.607	2.685	2.98	
Bromobenzene	1	0		7.26	21.02	20	20		1.283	1.349	5.11	
1,3,5-Trimethylbenzene	1	0		7.37	17.71	20	20		1.914	1.890	11.43	
Butyl methacrylate	1	0		7.37	22.04	20	20	0.5	0.535	0.571	10.21	
t-Butylbenzene	1	0		7.57	20.54	20	20		1.826	1.875	2.70	
1,2,4-Trimethylbenzene	1	0		7.59	21.04	20	20		1.865	1.961	5.19	
sec-Butylbenzene	1	0		7.69	21.04	20	20		2.140	2.251	5.22	
4-Isopropyltoluene	1	0		7.76	20.46	20	20		1.861	1.904	2.31	
n-Butylbenzene	1	0		7.99	21.03	20	20		1.853	1.949	5.17	
p-Diethylbenzene	1	0		7.97	21.41	20	20		1.056	1.131	7.04	
1,2,4,5-Tetramethylbenzene	1	0		8.43	24.09	20	20		1.361	1.639	20.43	
1,2-Dibromo-3-Chloropropane	1	0		8.49	21.73	20	20	0.05	0.172	0.187	8.65	
Camphor	1	0		8.93	182.68	200	20		0.072	0.073	8.66	
Hexachlorobutadiene	1	0		9.06	23.46	20	20		0.216	0.254	17.32	
1,2,4-Trichlorobenzene	1	0		8.98	25.57	20	20	0.2	0.521	0.666	27.85	C1
1,2,3-Trichlorobenzene	1	0		9.28	32.61	20	20		0.345	0.562	63.07	C1
Naphthalene	1	0		9.14	31.26	20	20		1.251	1.955	56.32	C1

S-Surrogate Compound I-Internal Standard Compound

N/O or N/Q - Not applicable for this run C1-Compound %Diff exceeds limits ** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F. 625 limits are compared against the %DIFF.

624 limits are compared against the concentration found. 524.2 limits are compared against the %DIFF

FORM8

Internal Standard Areas

Evaluation Std Data File: 11M90046.D Method: EPA 8260D

Analysis Date/Time: 04/08/21 15:58

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	288458	4.95	252542	6.54	141122	7.81								
Eval File Area Limit:	144229-576916		126271-505084		70561-282244									
Eval File Rt Limit:	4.45-5.45		6.04-7.04		7.31-8.309999									

Data File	Sample#						
11M90042.D	CAL @ 0.5 PPB	265730	4.95	241959	6.54	121218	7.81
11M90043.D	CAL @ 1 PPB	261524	4.95	234266	6.54	119079	7.81
11M90044.D	CAL @ 5 PPB	269662	4.95	237883	6.54	125180	7.81
11M90045.D	CAL @ 10 PPB	282544	4.95	247276	6.54	136508	7.81
11M90046.D	CAL @ 20 PPB	288458	4.95	252542	6.54	141122	7.81
11M90047.D	CAL @ 50 PPB	296285	4.95	264096	6.54	150799	7.81
11M90048.D	CAL @ 500 PPB	349942	4.95	350476	6.54	219033	7.81
11M90051.D	CAL @ 250 PPB	357791	4.95	337596	6.54	202513	7.81
11M90054.D	CAL @ 100 PPB	345330	4.95	311598	6.54	182115	7.81
11M90058.D	ICV	321398	4.95	288317	6.54	156037	7.81
11M90060.D	BLK	311044	4.95	280038	6.54	140663	7.81
11M90061.D	BLK	287109	4.95	257949	6.54	129741	7.81
11M90063.D	DAILY BLANK	309637	4.95	274454	6.54	140781	7.81
11M90064.D	DAILY BLANK	312056	4.95	277512	6.54	136222	7.81
11M90065.D	MDL @ 1 PPB	294868	4.95	265028	6.54	132037	7.81
11M90066.D	MDL @ 1 PPB	299287	4.95	267425	6.54	135746	7.81

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4
I4 =
I5 =
I6 =
I7 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

1051428 0171

FORM8

Internal Standard Areas

Evaluation Std Data File: 8M545259.D Method: EPA 8260D

Analysis Date/Time: 04/09/21 10:03

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	335216	5.09	260640	6.75	147253	8.02								
Eval File Area Limit:	167608-670432		130320-521280		73626-294506									
Eval File Rt Limit:	4.59-5.59		6.25-7.25		7.52-8.52									

Data File	Sample#													
8M545253.D	BLK	415251	5.08	327529	6.75	174949	8.02							
8M545255.D	CAL @ 0.5 PPB	408477	5.09	320866	6.75	171589	8.02							
8M545256.D	CAL @ 1 PPB	421648	5.09	332041	6.75	181611	8.02							
8M545257.D	CAL @ 2 PPB	409340	5.08	319450	6.75	174254	8.02							
8M545258.D	CAL @ 5 PPB	420764	5.09	330142	6.75	184727	8.02							
8M545259.D	CAL @ 20 PPB	335216	5.09	260640	6.75	147253	8.02							
8M545260.D	CAL @ 50 PPB	305408	5.09	239120	6.76	138295	8.02							
8M545261.D	CAL @ 500 PPB	342555	5.09	285765	6.76	183273	8.02							
8M545263.D	CAL @ 250 PPB	418894	5.09	342599	6.75	212827	8.02							
8M545265.D	CAL @ 100 PPB	463374	5.09	364801	6.75	219807	8.02							
8M545269.D	100 PPB	276476	5.09	215289	6.75	120780	8.02							
8M545271.D	STD	413257	5.09	324231	6.75	185292	8.02							
8M545273.D	ICV	415499	5.09	329334	6.75	188083	8.02							
8M545274.D	STD	425214	5.09	338178	6.75	193823	8.02							
8M545275.D	BLK	479694	5.09	388081	6.75	216784	8.02							
8M545276.D	BLK	476372	5.08	384577	6.75	213978	8.02							
8M545277.D	DAILY BLANK	429355	5.09	342606	6.75	189926	8.02							
8M545278.D	MDL @ 1 PPB	358945	5.09	282480	6.75	156756	8.02							
8M545279.D	2 PPB	409849	5.09	321625	6.75	177826	8.02							
8M545280.D	MBS92112	270339	5.09	210071	6.75	117450	8.02							
8M545281.D	AD22712-001	431915	5.09	304650	6.76	475502	8.01							
8M545282.D	AD22628-002(MS)	646582	5.09	510528	6.75	289508	8.02							
8M545283.D	AD22628-002(MSD)	620375	5.09	493226	6.75	285302	8.02							
8M545284.D	AD22628-002	614753	5.09	492466	6.75	281730	8.02							
8M545285.D	AD22307-004	522651	5.09	371741	6.75	152721	8.02							
8M545286.D	AD22307-009	504966	5.08	361123	6.75	150861	8.02							
8M545287.D	AD22307-014	507394	5.09	368616	6.75	152808	8.02							
8M545288.D	AD22730-002	501200	5.09	391079	6.75	201122	8.02							
8M545289.D	AD22691-001	496706	5.09	376534	6.75	174930	8.02							
8M545290.D	BLK	538695	5.09	435950	6.75	246888	8.02							
8M545291.D	BLK	527756	5.09	423407	6.75	239629	8.02							
8M545292.D	BLK	527304	5.09	423754	6.75	240384	8.02							

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4
I4 =
I5 =
I6 =
I7 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

1051428 0172

FORM8

Internal Standard Areas

Evaluation Std Data File: 8M545259.D Method: EPA 8260D

Analysis Date/Time: 04/09/21 10:03

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	335216	5.09	260640	6.75	147253	8.02								
Eval File Area Limit:	167608-670432		130320-521280		73626-294506									
Eval File Rt Limit:	4.59-5.59		6.25-7.25		7.52-8.52									
Data File Sample#														
8M545293.D BLK	512933	5.09	412065	6.75	231333	8.02								
8M545294.D BLK-4	515979	5.08	418411	6.75	233777	8.02								
8M545295.D BLK-DI	495602	5.09	400673	6.75	226042	8.02								

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4
I4 =
I5 =
I6 =
I7 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

1051428 0173

FORM8

Internal Standard Areas

Evaluation Std Data File: 6M139694.D Method: EPA 8260D

Analysis Date/Time: 05/05/21 23:46

Lab File ID: CAL @ 20 PPB

		I1		I2		I3		I4		I5		I6		I7	
		Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:		173924	5.12	174221	6.76	113661	8.05								
Eval File Area Limit:		86962-347848		87110-348442		56830-227322									
Eval File Rt Limit:		4.62-5.62		6.26-7.26		7.55-8.55									
Data File	Sample#														
6M139683.D	CAL @ 500 PPB	266465	5.12	242749	6.76	62458	8.05								
6M139686.D	CAL @ 250 PPB	183317	5.12	190501	6.76	108192	8.05								
6M139689.D	CAL @ 100 PPB	187158	5.12	190868	6.76	136020	8.05								
6M139692.D	CAL @ 50 PPB	177116	5.12	177369	6.76	114794	8.05								
6M139694.D	CAL @ 20 PPB	173924	5.12	174221	6.76	113661	8.05								
6M139696.D	CAL @ 5 PPB	158730	5.12	165145	6.76	101602	8.05								
6M139697.D	CAL @ 2 PPB	172991	5.12	183732	6.76	112056	8.05								
6M139698.D	CAL @ 1 PPB	143996	5.12	151976	6.76	92348	8.05								
6M139699.D	CAL @ 0.5 PPB	161515	5.12	173776	6.76	101336	8.05								
6M139700.D	ICV	182592	5.12	182459	6.76	121021	8.05								
6M139701.D	STD	186146	5.12	193073	6.76	131324	8.05								
6M139702.D	BLK	168633	5.12	180095	6.76	104666	8.05								
6M139703.D	BLK	165899	5.12	178343	6.76	103002	8.05								

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4
I4 =
I5 =
I6 =
I7 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 8M546876.D Method: EPA 8260D

Analysis Date/Time: 05/17/21 08:24

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	394020	5.08	302103	6.75	159589	8.02								
Eval File Area Limit:	197010-788040		151052-604206		79794-319178									
Eval File Rt Limit:	4.58-5.58		6.25-7.25		7.52-8.52									

Data File	Sample#													
8M546878.D	BLK-DI	431269	5.08	338081	6.75	180214	8.02							
8M546879.D	BLK	441956	5.09	340289	6.75	185171	8.02							
8M546880.D	DAILY BLANK	426360	5.08	331521	6.75	178899	8.02							
8M546881.D	AD23327-003	422333	5.08	332328	6.75	181191	8.02							
8M546882.D	AD23327-005	418844	5.09	327867	6.75	179208	8.02							
8M546883.D	MBS92595	372509	5.08	286037	6.75	155131	8.02							
8M546884.D	AD23401-005(5X)	405576	5.08	307981	6.75	161101	8.02							
8M546885.D	AD23401-013(5X)	414618	5.08	322303	6.75	173927	8.02							
8M546886.D	AD23327-003(MS)	399738	5.08	309248	6.75	160404	8.02							
8M546887.D	AD23401-013	416953	5.08	321745	6.75	173793	8.02							
8M546888.D	AD23401-005	379633	5.08	271798	6.75	131193	8.02							
8M546889.D	AD23327-003(MSD)	406627	5.08	312754	6.75	157141	8.02							
8M546890.D	23327-003	424671	5.09	322815	6.75	166402	8.02							
8M546891.D	BLK	489908	5.08	382820	6.75	206265	8.02							
8M546892.D	AD23360-002	410360	5.08	317752	6.75	173336	8.02							
8M546893.D	AD23360-003	426343	5.08	339859	6.75	187001	8.02							
8M546894.D	AD23360-007	411607	5.09	325477	6.75	175026	8.02							
8M546895.D	AD23360-006	419288	5.08	338649	6.75	178040	8.02							
8M546896.D	BLK	408955	5.08	320763	6.75	175582	8.02							
8M546897.D	AD23356-004	350957	5.08	226001	6.75	83650	8.02							
8M546898.D	AD23356-009	382710	5.08	240653	6.75	54598	8.02							
8M546899.D	AD23383-010	385849	5.08	291621	6.75	144512	8.02							
8M546900.D	AD23383-005	385360	5.08	289740	6.75	142686	8.02							
8M546901.D	BLK	381057	5.09	301481	6.75	164344	8.02							
8M546902.D	AD23360-008	384680	5.08	297791	6.75	160689	8.02							
8M546903.D	AD23360-009	406501	5.08	319621	6.75	177067	8.02							
8M546904.D	AD23360-014	390263	5.08	308484	6.75	166627	8.02							
8M546905.D	AD23360-001	347257	5.08	214501	6.75	72621	8.02							
8M546906.D	AD23360-013	379837	5.08	308679	6.75	165855	8.02							
8M546907.D	AD23360-015	373196	5.08	310153	6.75	162216	8.02							
8M546908.D	AD23406-005	369262	5.08	285423	6.75	150840	8.02							
8M546909.D	AD23406-010	374127	5.08	290556	6.75	158145	8.02							

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4
I4 =
I5 =
I6 =
I7 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

1051428 0175

FORM8

Internal Standard Areas

Evaluation Std Data File: 8M546876.D Method: EPA 8260D

Analysis Date/Time: 05/17/21 08:24

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	394020	5.08	302103	6.75	159589	8.02								
Eval File Area Limit:	197010-788040		151052-604206		79794-319178									
Eval File Rt Limit:	4.58-5.58		6.25-7.25		7.52-8.52									
Data File Sample#														
8M546910.D MBS92602	340132	5.08	262847	6.75	142543	8.02								

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4
I4 =
I5 =
I6 =
I7 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 8M546913.D Method: EPA 8260D

Analysis Date/Time: 05/17/21 19:59

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	335433	5.08	258065	6.75	141142	8.02								
Eval File Area Limit:	167716-670866		129032-516130		70571-282284									
Eval File Rt Limit:	4.58-5.58		6.25-7.25		7.52-8.52									
Data File	Sample#													
8M546914.D	50 PPB	329011	5.08	254473	6.75	138446	8.02							
8M546915.D	BLK	387038	5.08	305259	6.75	164286	8.02							
8M546916.D	BLK	380627	5.08	295788	6.75	161014	8.02							
8M546917.D	DAILY BLANK	383999	5.08	300904	6.75	164297	8.02							
8M546918.D	AD23360-001	318863	5.08	176235	6.75	51636	8.02							
8M546919.D	MBS92608	328532	5.08	254996	6.75	135720	8.02							
8M546920.D	AD23401-013(MS)	373408	5.08	296535	6.75	162176	8.02							
8M546921.D	AD23401-013(MSD)	370132	5.08	294096	6.75	160018	8.02							
8M546922.D	BLK	388204	5.08	305174	6.75	164781	8.02							
8M546923.D	BLK	374901	5.08	296847	6.75	159725	8.02							
8M546924.D	AD23406-005	381170	5.09	295472	6.75	155815	8.02							
8M546925.D	AD23399-011	361281	5.08	283710	6.75	151452	8.02							
8M546926.D	AD23399-014	369759	5.08	284615	6.75	146563	8.02							
8M546927.D	AD23400-014	362723	5.08	277524	6.75	137248	8.02							
8M546928.D	AD23400-015	357960	5.08	279913	6.75	144900	8.02							
8M546929.D	AD23400-016	348985	5.08	273935	6.75	144046	8.02							
8M546930.D	AD23406-015	348689	5.08	273536	6.75	145940	8.02							
8M546931.D	BLK	327190	5.08	250704	6.75	134954	8.02							
8M546932.D	AD23430-010	336738	5.08	242476	6.75	103550	8.02							
8M546933.D	AD23430-005	340226	5.09	260456	6.75	129260	8.02							
8M546934.D	AD23428-001	342083	5.08	232333	6.75	86069	8.02							
8M546935.D	BLK	350217	5.08	275821	6.75	148733	8.02							
8M546936.D	AD23411-005	350009	5.08	271531	6.75	141957	8.02							
8M546937.D	AD23411-003	160180	5.09	119410	6.75	57725	8.02							
8M546938.D	AD23411-001	348972	5.08	273064	6.75	148292	8.02							
8M546939.D	AD23396-001	338328	5.08	248848	6.75	110262	8.02							
8M546940.D	AD23396-003	217633	5.08	76501	6.75	11816	8.02							
8M546941.D	BLK	350335	5.08	271376	6.75	146860	8.02							
8M546942.D	AD23414-008	321959	5.08	253791	6.75	132882	8.02							
8M546943.D	AD23414-009	352460	5.08	280240	6.75	153616	8.02							
8M546944.D	AD23414-007	317445	5.08	249299	6.75	129530	8.02							
8M546945.D	BLK	352560	5.08	275765	6.75	149999	8.02							

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4
I4 =
I5 =
I6 =
I7 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

1051428 0177

FORM8

Internal Standard Areas

Evaluation Std Data File: 8M546913.D Method: EPA 8260D

Analysis Date/Time: 05/17/21 19:59

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	335433	5.08	258065	6.75	141142	8.02								
Eval File Area Limit:	167716-670866		129032-516130		70571-282284									
Eval File Rt Limit:	4.58-5.58		6.25-7.25		7.52-8.52									
Data File Sample#														
8M546946.D AD23394-003	237438	5.09	192184	6.75	104770	8.02								
8M546949.D BLK-DI	375302	5.08	294847	6.75	158196	8.02								

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4
I4 =
I5 =
I6 =
I7 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

1051428 0178

FORM8

Internal Standard Areas

Evaluation Std Data File: 11M91304.D Method: EPA 8260D

Analysis Date/Time: 05/18/21 10:02

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	207663	4.95	187457	6.54	107292	7.81								
Eval File Area Limit:	103832-415326		93728-374914		53646-214584									
Eval File Rt Limit:	4.45-5.45		6.04-7.04		7.31-8.309999									

Data File	Sample#						
11M91303.D	20 PPB	142541	4.95	126793	6.54	75343	7.81
11M91305.D	BLK-DI	197598	4.95	179467	6.54	94469	7.81
11M91306.D	BLK-HCL	165751	4.95	150821	6.54	81017	7.81
11M91307.D	DAILY BLANK	192926	4.95	177227	6.54	92963	7.81
11M91308.D	DAILY BLANK	207055	4.95	194824	6.54	102948	7.81
11M91309.D	BLK	314433	4.95	241938	6.54	67857	7.81
11M91310.D	AD23415-001	179352	4.95	164328	6.54	90121	7.81
11M91311.D	AD23415-005	170635	4.95	157372	6.54	83571	7.81
11M91312.D	AD23415-006	171755	4.95	153239	6.54	83747	7.81
11M91313.D	MBS92611	158840	4.95	144863	6.54	85420	7.81
11M91314.D	MBS92613	162046	4.95	147603	6.54	88873	7.81
11M91315.D	23412-001(50X)	190560	4.95	173671	6.54	92434	7.81
11M91316.D	AD23375-007(8uL)	158434	4.95	147921	6.54	78104	7.81
11M91317.D	AD23375-008(80uL)	187232	4.95	170449	6.54	91414	7.81
11M91318.D	AD23375-020	184836	4.95	477745	6.55	184038	7.81
11M91319.D	AD23375-009(80uL)	263346	4.95	203620	6.54	109324	7.81
11M91320.D	AD23397-002(MS)	175975	4.95	156775	6.54	95571	7.81
11M91321.D	AD23397-002(MSD)	211235	4.95	190487	6.54	110830	7.81
11M91322.D	AD23415-001(MS)	175072	4.95	154051	6.54	92191	7.81
11M91323.D	AD23415-001(MSD)	215409	4.95	191469	6.54	107313	7.81
11M91324.D	BLK	221130	4.95	200762	6.54	107653	7.81
11M91325.D	MBS92617	205294	4.95	179740	6.54	102952	7.81
11M91326.D	STD	173051	4.95	154772	6.54	92301	7.81
11M91327.D	AD23397-002	204440	4.95	180271	6.54	99248	7.81
11M91328.D	AD23414-007	208649	4.95	186161	6.54	103438	7.81
11M91329.D	MBS92618	218981	4.95	190252	6.54	113142	7.81
11M91330.D	23375-008(8uL)	205034	4.95	184439	6.54	96613	7.81
11M91331.D	AD23375-011(8uL)	171078	4.95	159694	6.54	86162	7.81
11M91332.D	AD23375-012(8uL)	194082	4.95	184927	6.54	96684	7.81
11M91333.D	AD23375-013(8uL)	191729	4.95	184460	6.54	98102	7.81
11M91334.D	AD23375-014(8uL)	195418	4.95	175263	6.54	92139	7.81
11M91335.D	23375-015(80uL)	194648	4.95	181544	6.54	94986	7.81

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4
I4 =
I5 =
I6 =
I7 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 6M140152.D Method: EPA 8260D

Analysis Date/Time: 05/19/21 08:33

Lab File ID: CAL @ 50 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	92583	5.14	114365	6.76	84299	8.05								
Eval File Area Limit:	46292-185166		57182-228730		42150-168598									
Eval File Rt Limit:	4.64-5.64		6.26-7.26		7.55-8.55									

Data File	Sample#						
6M140154.D	JUG-1	88772	5.14	102228	6.76	66270	8.05
6M140155.D	JUG-2	84114	5.14	101932	6.76	65533	8.05
6M140156.D	DI	83042	5.13	101788	6.76	63072	8.05
6M140157.D	DAILY BLANK	77178	5.14	97927	6.76	61413	8.05
6M140158.D	AD23400-001	75136	5.13	92505	6.76	59048	8.05
6M140159.D	AD23414-005	70492	5.14	90255	6.76	59624	8.05
6M140160.D	AD23375-009	65831	5.13	82823	6.76	54611	8.05
6M140161.D	AD23414-006	66043	5.13	85314	6.76	55333	8.05
6M140162.D	MBS92622	81717	5.13	101113	6.76	76033	8.05
6M140163.D	AD23353-006(MS)	84502	5.13	105983	6.76	79809	8.05
6M140164.D	AD23353-006(MSD)	86061	5.13	104594	6.76	78476	8.05
6M140165.D	MBS92624	83617	5.13	102969	6.76	76071	8.05
6M140166.D	AD23353-006	79813	5.13	98303	6.76	62136	8.05
6M140167.D	BLK	72599	5.13	92031	6.76	58614	8.05
6M140168.D	AD23433-002(5X)	72087	5.13	83199	6.76	54250	8.05
6M140169.D	AD23438-001	65506	5.13	80000	6.76	48571	8.05
6M140170.D	AD23438-002	60600	5.13	71112	6.76	44251	8.05
6M140171.D	AD23438-003	68022	5.13	81102	6.76	47566	8.06
6M140172.D	AD23438-004	58269	5.14	68971	6.76	41969	8.05
6M140173.D	AD23438-005	68008	5.13	81786	6.76	52125	8.05
6M140174.D	AD23438-006	64361	5.13	77931	6.76	46713	8.05
6M140175.D	AD23438-007	66230	5.13	80331	6.76	52017	8.06
6M140176.D	AD23438-008	65387	5.13	77103	6.76	43469	8.05
6M140177.D	AD23438-009	64616	5.13	78633	6.76	48040	8.05
6M140178.D	BLK-JUG1	61347	5.13	77535	6.76	49455	8.05
6M140179.D	BLK	64626	5.13	77515	6.76	51653	8.05
6M140180.D	AD23466-002	56518	5.13	68485	6.76	224526	8.03
6M140181.D	BLK	113198	5.13	134537	6.76	81822	8.05
6M140182.D	AD23462-001(5X)	88288	5.13	104808	6.76	107526	8.05
6M140183.D	BLK	117163	5.13	135174	6.76	87099	8.05
6M140184.D	23440-001	92301	5.13	115798	6.76	73706	8.05

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4
I4 =
I5 =
I6 =
I7 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

1051428 0180

FORM8

Internal Standard Areas

Evaluation Std Data File: 11M91393.D Method: EPA 8260D

Analysis Date/Time: 05/19/21 17:38

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	215608	4.95	192228	6.54	112224	7.81								
Eval File Area Limit:	107804-431216		96114-384456		56112-224448									
Eval File Rt Limit:	4.45-5.45		6.04-7.04		7.31-8.309999									

Data File	Sample#													
11M91394.D	20 PPB	184434	4.95	166439	6.54	94535	7.81							
11M91395.D	BLK	208656	4.95	187602	6.54	100283	7.81							
11M91396.D	BLK	200795	4.95	183172	6.54	97047	7.81							
11M91397.D	DAILY BLANK	165633	4.95	149499	6.54	80784	7.81							
11M91398.D	AD23415-007	191136	4.95	170757	6.54	92376	7.81							
11M91399.D	AD23415-008	199460	4.95	184260	6.54	97512	7.81							
11M91400.D	AD23415-009	217691	4.95	201339	6.54	103090	7.81							
11M91401.D	DAILY BLANK	190570	4.95	173091	6.54	93186	7.81							
11M91402.D	MBS92625	206319	4.95	185013	6.54	106285	7.81							
11M91403.D	AD23454-001(80uL)	189454	4.95	174687	6.54	99779	7.81							
11M91404.D	MBS92626	205822	4.95	186516	6.54	112086	7.81							
11M91405.D	AD23430-004(T)	210802	4.95	191260	6.54	101191	7.81							
11M91406.D	AD23392-002(5X)(T)	179349	4.95	161536	6.54	87447	7.81							
11M91407.D	AD23392-001(10X)(T)	216579	4.95	193927	6.54	107728	7.81							
11M91408.D	AD23392-003(10X)(T)	174254	4.95	157595	6.54	84585	7.81							
11M91409.D	23445-001(10X)	206817	4.95	182809	6.54	98393	7.81							
11M91410.D	EF-1-V-350008(05192	197165	4.95	174464	6.54	94330	7.81							
11M91411.D	AD23438-001	169525	4.95	151713	6.54	84646	7.81							
11M91412.D	AD23454-001	205648	4.95	194381	6.54	129943	7.81							
11M91413.D	AD23430-004(T:MS)	230222	4.95	206772	6.54	123372	7.81							
11M91414.D	AD23430-004(T:MSD)	201990	4.95	179587	6.54	108007	7.81							
11M91415.D	AD23438-001(MS)	205710	4.95	186064	6.54	109570	7.81							
11M91416.D	AD23438-001(MSD)	238204	4.95	212835	6.54	126953	7.81							
11M91417.D	BLK	238082	4.95	209632	6.54	115569	7.81							
11M91418.D	BLK	225947	4.95	200898	6.54	108696	7.81							
11M91419.D	AD23375-016	209130	4.95	194668	6.54	104225	7.81							
11M91420.D	AD23375-017(80uL)	242195	4.95	215571	6.54	118029	7.81							
11M91421.D	AD23375-018	218119	4.95	205221	6.54	112107	7.81							
11M91422.D	AD23375-019	217492	4.95	196067	6.54	107770	7.81							
11M91423.D	AD23414-004	204001	4.95	191467	6.54	107682	7.81							
11M91424.D	AD23375-020(8uL)	227700	4.95	207720	6.54	113168	7.81							
11M91425.D	AD23414-001(8uL)	173577	4.95	161209	6.54	88872	7.81							

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4
I4 =
I5 =
I6 =
I7 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 11M91393.D Method: EPA 8260D

Analysis Date/Time: 05/19/21 17:38

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	215608	4.95	192228	6.54	112224	7.81								
Eval File Area Limit:	107804-431216		96114-384456		56112-224448									
Eval File Rt Limit:	4.45-5.45		6.04-7.04		7.31-8.309999									
Data File Sample#														
11M91426.D AD23414-002(40uL)	246490	4.95	229680	6.54	120628	7.81								
11M91427.D AD23414-003(400uL)	207822	4.95	190710	6.54	110577	7.81								
11M91428.D AD23394-004	223697	4.95	206698	6.54	124050	7.81								
11M91429.D AD23394-001(80uL)	199972	4.95	183297	6.54	101632	7.81								
11M91430.D AD23375-010	246998	4.95	685341	6.55	385730	7.81								
11M91431.D BLK	974885	4.95	917928	6.54	477149	7.81								
11M91432.D BLK	262805	4.95	243163	6.54	124005	7.81								

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4
I4 =
I5 =
I6 =
I7 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 11M91437.D Method: EPA 8260D

Analysis Date/Time: 05/20/21 09:43

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	221594	4.95	200132	6.54	115061	7.81								
Eval File Area Limit:	110797-443188		100066-400264		57530-230122									
Eval File Rt Limit:	4.45-5.45		6.04-7.04		7.31-8.309999									

Data File	Sample#						
11M91436.D	20 PPB	197081	4.95	179223	6.54	104927	7.81
11M91438.D	BLK-DI	176610	4.95	163539	6.54	88647	7.81
11M91439.D	BLK-HCL	201701	4.95	189347	6.54	101027	7.81
11M91440.D	BLK	206966	4.95	189517	6.54	106360	7.81
11M91441.D	BLK	201782	4.95	191561	6.54	100878	7.81
11M91445.D	DAILY BLANK	191659	4.95	177466	6.54	93217	7.81
11M91446.D	BLK	159122	4.95	148297	6.54	83224	7.81
11M91447.D	BLK	182323	4.95	168980	6.54	92691	7.81
11M91448.D	BLK	221972	4.95	207607	6.54	112058	7.81
11M91449.D	DAILY BLANK	193366	4.95	182343	6.54	100958	7.81
11M91450.D	AD23394-004	204026	4.95	186079	6.54	116288	7.81
11M91451.D	AD23394-001	220482	4.95	215330	6.54	286081	7.81
11M91452.D	MBS93432	196593	4.95	183966	6.54	108840	7.81
11M91453.D	AD23414-006	171207	4.95	156381	6.54	88472	7.81
11M91454.D	AD23466-002	209856	4.95	195255	6.54	137079	7.81
11M91455.D	MBS93435	235628	4.95	221502	6.54	155341	7.81
11M91456.D	MBS93436	235337	4.95	214026	6.54	138650	7.81
11M91457.D	AD23438-007(MS)	208576	4.95	189897	6.54	119274	7.81
11M91458.D	AD23438-007(MSD)	254752	4.95	234491	6.54	145005	7.81
11M91459.D	BLK	243599	4.95	220463	6.54	116834	7.81
11M91460.D	AD22922-001	230836	4.95	219830	6.54	128352	7.81
11M91461.D	AD23438-007	247347	4.95	228346	6.54	128985	7.81
11M91462.D	AD23394-001	209717	4.95	198664	6.54	138306	7.81
11M91463.D	BLK	223318	4.95	202425	6.54	111023	7.81

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4
I4 =
I5 =
I6 =
I7 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

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Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 11M91466.D Method: EPA 8260D

Analysis Date/Time: 05/20/21 19:52

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	244281	4.95	230142	6.54	130835	7.81								
Eval File Area Limit:	122140-488562		115071-460284		65418-261670									
Eval File Rt Limit:	4.45-5.45		6.04-7.04		7.31-8.309999									
Data File	Sample#													
11M91465.D	20 PPB	212153	4.95	198062	6.54	114038	7.81							
11M91467.D	BLK	247891	4.95	230316	6.54	123903	7.81							
11M91468.D	BLK	186335	4.95	172193	6.54	94094	7.81							
11M91469.D	DAILY BLANK	222259	4.95	206404	6.54	113152	7.81							
11M91470.D	DAILY BLANK	197175	4.95	186326	6.54	101019	7.81							
11M91471.D	AD23400-001(T)	219236	4.95	204161	6.54	106013	7.81							
11M91472.D	MBS93440	190183	4.95	171259	6.54	106535	7.81							
11M91473.D	MBS93441	240920	4.95	219481	6.54	125495	7.81							
11M91474.D	AD23491-001(MS)	243022	4.95	223242	6.54	148314	7.81							
11M91475.D	AD23491-001(MSD)	240428	4.95	242528	6.54	168457	7.81							
11M91476.D	AD23491-001	256693	4.95	257186	6.54	162623	7.81							
11M91477.D	EF-3V-13600(051421)	234668	4.95	214691	6.54	123019	7.81							
11M91478.D	EF-3V-13600(051521)	234850	4.95	214728	6.54	120653	7.81							
11M91479.D	AD23371-002(T)	251825	4.95	231039	6.54	127239	7.81							
11M91480.D	AD23371-001(T)	290421	4.95	261577	6.54	152676	7.81							
11M91481.D	AD23371-003(T)	249463	4.95	223211	6.54	118876	7.81							
11M91482.D	AD23371-004(T)	216681	4.95	200366	6.54	109770	7.81							
11M91483.D	AD23400-001(T:MS)	218471	4.95	201020	6.54	108397	7.81							
11M91484.D	AD23400-001(T:MSD)	249064	4.95	226223	6.54	129923	7.81							
11M91485.D	BLK	223772	4.95	204740	6.54	114142	7.81							
11M91486.D	AD23449-014	230789	4.95	217489	6.54	119061	7.81							
11M91487.D	AD23449-012	266987	4.95	238229	6.54	136716	7.81							
11M91488.D	AD23449-008	237342	4.95	230802	6.54	131361	7.81							
11M91489.D	AD23449-006	247293	4.95	235548	6.54	132298	7.81							
11M91490.D	AD23449-018	234009	4.95	222975	6.54	119431	7.81							
11M91491.D	AD23400-002(T)	235771	4.95	214644	6.54	115409	7.81							
11M91492.D	AD23400-003(T)	203205	4.95	176963	6.54	99047	7.81							
11M91493.D	AD23400-004(T)	233553	4.95	190103	6.54	106096	7.81							
11M91494.D	AD23375-017	269645	4.95	248644	6.54	133906	7.81							
11M91495.D	AD23400-005(T)	244031	4.95	223620	6.54	113173	7.81							
11M91496.D	AD23414-002(80uL)	240409	4.95	233986	6.54	123069	7.81							
11M91497.D	AD23414-003(400uL)	236417	4.95	230762	6.54	128678	7.81							

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4
I4 =
I5 =
I6 =
I7 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
524 Internal Standard concentration =5ug/L

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or rmid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 11M91466.D Method: EPA 8260D

Analysis Date/Time: 05/20/21 19:52

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6		I7	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	244281	4.95	230142	6.54	130835	7.81								
Eval File Area Limit:	122140-488562		115071-460284		65418-261670									
Eval File Rt Limit:	4.45-5.45		6.04-7.04		7.31-8.309999									
Data File Sample#														
11M91498.D AD23375-010(4uL)	246457	4.95	236970	6.54	127186	7.81								
11M91499.D STD	207982	4.95	192847	6.54	108273	7.81								

I1 = Fluorobenzene
I2 = Chlorobenzene-d5
I3 = 1,4-Dichlorobenzene-d4
I4 =
I5 =
I6 =
I7 =

625/8270 Internal Standard concentration = 40 mg/L (in final extract)
624/8260 Internal Standard concentration = 30ug/L
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Internal Standard Areas

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Flags:

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Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

Wet Chemistry Data

VERITECH Wet Chem Form1 Analysis Summary
% Solids

TestGroupName: % Solids SM2540G **Project #: 1051428**

TestGroup: %SOLIDS

Lab#	Client SampleID	Matrix	Dilution:	Result	Units:	RL	Prep Date	Analysis Date	Received Date	Collect Date
AD23414-001	HSI-SB-16 (3.5')	Soil/Terracore	1	86	Percent			05/17/21	05/14/21	05/13/21
AD23414-002	HSI-SB-16 (5')	Soil/Terracore	1	86	Percent			05/17/21	05/14/21	05/13/21
AD23414-003	HSI-SB-16 (6')	Soil/Terracore	1	83	Percent			05/17/21	05/14/21	05/13/21
AD23414-004	HSI-SB-16 (8.5')	Soil/Terracore	1	84	Percent			05/17/21	05/14/21	05/13/21
AD23414-005	HSI-SB-16 (10')	Soil/Terracore	1	83	Percent			05/17/21	05/14/21	05/13/21
AD23414-006	HSI-SB-16 (12.5')	Soil/Terracore	1	82	Percent			05/17/21	05/14/21	05/13/21
AD23414-007	HSI-SB-16 (14')	Soil/Terracore	1	78	Percent			05/17/21	05/14/21	05/13/21
AD23414-008	HSI-SB-16 (17.5')	Soil/Terracore	1	81	Percent			05/17/21	05/14/21	05/13/21
AD23414-009	HSI-SB-16 (19.5')	Soil/Terracore	1	80	Percent			05/17/21	05/14/21	05/13/21

% Solids Report

Analysis Type: SOLIDS-SS
BatchID: SOLIDS-SS-11747

QcType	SampleID:	Rounded Result	Raw Result	Units	Tare Weight	Wet Weight	Dry Weight	Analysis Date	Analyzed By	QC RPD	Rpd Limit
DUP	AD23411-005	84	84.43804	Percent	1.33	11.74	10.12	05/17/21	BEENA	1	5
Sample	AD23410-002	88	88.48921	Percent	1.35	12.47	11.19	05/17/21	BEENA		
Sample	AD23410-003	87	86.65077	Percent	1.34	9.73	8.61	05/17/21	BEENA		
Sample	AD23410-004	88	87.78626	Percent	1.35	13.14	11.70	05/17/21	BEENA		
Sample	AD23410-005	83	83.33333	Percent	1.35	8.97	7.70	05/17/21	BEENA		
Sample	AD23410-006	81	81.22503	Percent	1.35	8.86	7.45	05/17/21	BEENA		
Sample	AD23411-001	94	93.96728	Percent	1.35	11.13	10.54	05/17/21	BEENA		
Sample	AD23411-002	86	85.94025	Percent	1.35	7.04	6.24	05/17/21	BEENA		
Sample	AD23411-003	90	90.15048	Percent	1.35	8.66	7.95	05/17/21	BEENA		
Sample	AD23411-004	84	84.36364	Percent	1.35	9.60	8.31	05/17/21	BEENA		
Sample	AD23411-005	84	83.59788	Percent	1.35	14.58	12.40	05/17/21	BEENA		
Sample	AD23411-006	78	78.28709	Percent	1.35	9.64	7.84	05/17/21	BEENA		
Sample	AD23413-001	86	85.91954	Percent	1.35	8.31	7.33	05/17/21	BEENA		
Sample	AD23413-002	90	90.33943	Percent	1.35	9.01	8.27	05/17/21	BEENA		
Sample	AD23414-001	86	86.14379	Percent	1.35	9.00	7.95	05/17/21	BEENA		
Sample	AD23414-002	86	85.57505	Percent	1.35	11.61	10.13	05/17/21	BEENA		
Sample	AD23414-003	83	82.59149	Percent	1.34	11.45	9.69	05/17/21	BEENA		
Sample	AD23414-004	84	84.01109	Percent	1.34	12.16	10.43	05/17/21	BEENA		
Sample	AD23414-005	83	83.38192	Percent	1.34	11.63	9.92	05/17/21	BEENA		
Sample	AD23414-006	82	82.30536	Percent	1.36	11.25	9.50	05/17/21	BEENA		
Sample	AD23414-007	78	77.67857	Percent	1.35	9.19	7.44	05/17/21	BEENA		

* - Indicates Failed Rpd Criteria

% Solids Report

Analysis Type: SOLIDS-SS
BatchID: SOLIDS-SS-11748

QcType	SampleID:	Rounded Result	Raw Result	Units	Tare Weight	Wet Weight	Dry Weight	Analysis Date	Analyzed By	QC RPD	Rpd Limit
DUP	AD23399-007	100	99.80354	Percent	1.36	6.45	6.44	05/17/21	BEENA	0.0053	5
Sample	AD23387-009	87	86.65541	Percent	1.36	13.20	11.62	05/17/21	BEENA		
Sample	AD23387-010	88	87.75120	Percent	1.34	11.79	10.51	05/17/21	BEENA		
Sample	AD23390-005	95	95.15209	Percent	1.36	11.88	11.37	05/17/21	BEENA		
Sample	AD23399-007	100	99.80880	Percent	1.36	6.59	6.58	05/17/21	BEENA		
Sample	AD23399-008	100	99.50000	Percent	1.35	5.35	5.33	05/17/21	BEENA		
Sample	AD23399-011	94	93.65559	Percent	1.35	4.66	4.45	05/17/21	BEENA		
Sample	AD23399-013	94	94.44444	Percent	1.36	5.50	5.27	05/17/21	BEENA		
Sample	AD23399-014	93	93.40278	Percent	1.36	4.24	4.04	05/17/21	BEENA		
Sample	AD23414-008	81	80.79800	Percent	1.36	13.39	11.08	05/17/21	BEENA		
Sample	AD23414-009	80	79.73749	Percent	1.36	13.55	11.08	05/17/21	BEENA		
Sample	AD23418-001	97	97.23375	Percent	1.36	8.59	8.38	05/17/21	BEENA		
Sample	AD23419-001	95	95.07463	Percent	1.34	8.04	7.71	05/17/21	glamb		
Sample	AD23419-002	94	93.76321	Percent	1.34	10.80	10.21	05/17/21	glamb		
Sample	AD23419-003	94	94.17383	Percent	1.34	11.81	11.20	05/17/21	glamb		
Sample	AD23419-004	95	94.91094	Percent	1.34	9.20	8.80	05/17/21	glamb		
Sample	AD23419-005	94	93.99563	Percent	1.35	10.51	9.96	05/17/21	glamb		
Sample	AD23420-001	93	93.28727	Percent	1.35	11.48	10.80	05/17/21	glamb		
Sample	AD23420-002	95	94.67054	Percent	1.34	11.66	11.11	05/17/21	glamb		
Sample	AD23421-001	97	96.53929	Percent	1.34	15.21	14.72	05/17/21	glamb		
Sample	AD23421-002	91	91.34378	Percent	1.33	13.46	12.41	05/17/21	glamb		

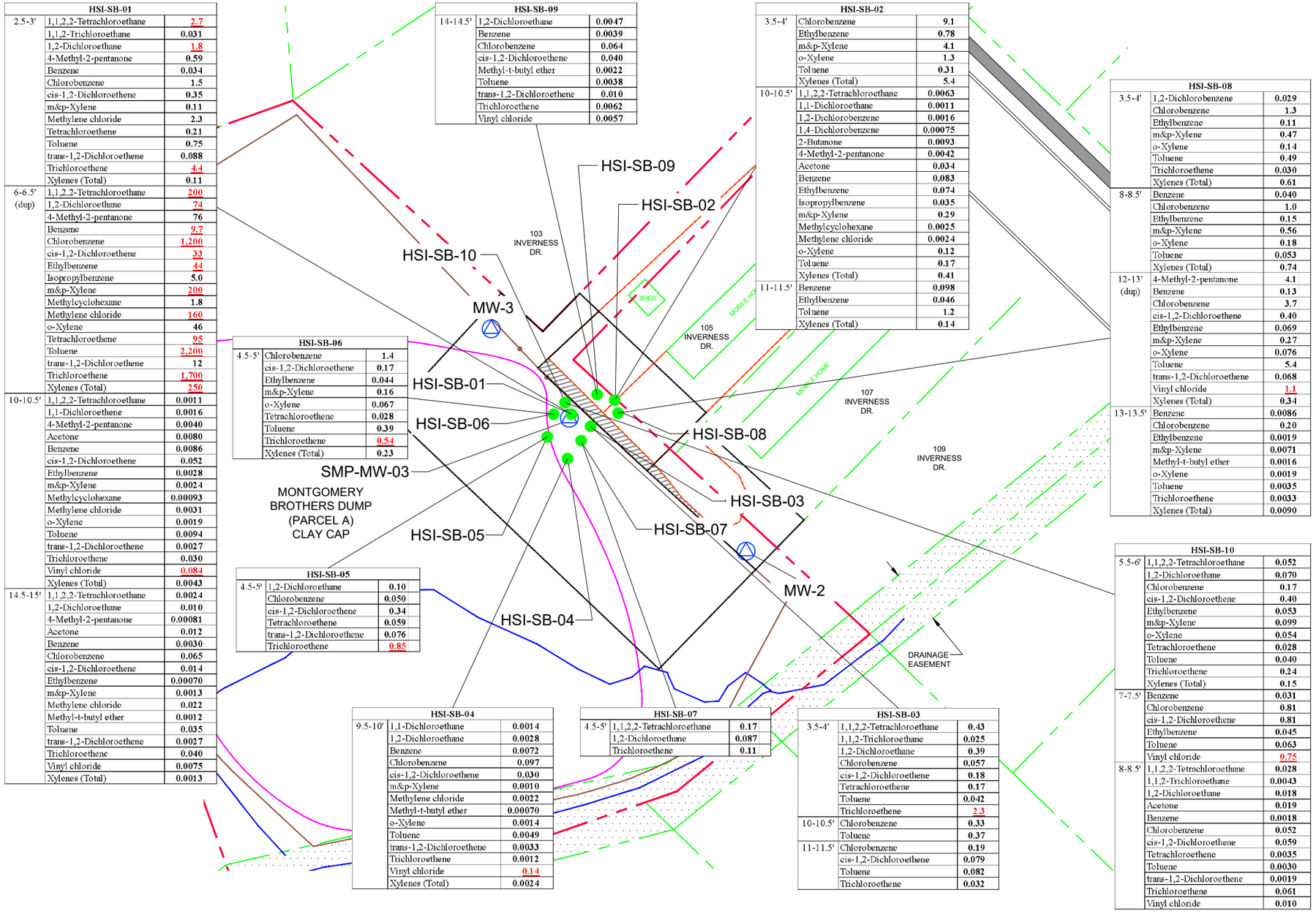
* - Indicates Failed Rpd Criteria

Hampton-Clarke
Analytical & Field Services

Last Page of Report

ATTACHMENT F

SELECT HOT SPOT INVESTIGATION REPORT FIGURES



HSI-SB-01		
2.5-3'	1,1,2,2-Tetrachloroethane	2.7
	1,1,2-Trichloroethane	0.031
	1,2-Dichloroethane	1.8
	4-Methyl-2-pentanone	0.59
	Benzene	0.034
	Chlorobenzene	1.5
	cis-1,2-Dichloroethene	0.35
	m&p-Xylene	0.11
	Methylene chloride	2.3
	Tetrachloroethene	0.21
	Toluene	0.75
	trans-1,2-Dichloroethene	0.088
	Trichloroethene	4.4
	Xylenes (Total)	0.11
6-6.5' (dup)	1,1,2,2-Tetrachloroethane	200
	1,2-Dichloroethane	74
	4-Methyl-2-pentanone	76
	Benzene	9.7
	Chlorobenzene	1,200
	cis-1,2-Dichloroethene	33
	Ethylbenzene	44
	Isopropylbenzene	5.0
	m&p-Xylene	200
	Methylcyclohexane	1.8
	Methylene chloride	160
	o-Xylene	46
	Tetrachloroethene	95
	Toluene	2,200
	trans-1,2-Dichloroethene	12
	Trichloroethene	1,700
	Xylenes (Total)	250
10-10.5'	1,1,2,2-Tetrachloroethane	0.0011
	1,1-Dichloroethene	0.0016
	4-Methyl-2-pentanone	0.0040
	Acetone	0.0080
	Benzene	0.0086
	cis-1,2-Dichloroethene	0.052
	Ethylbenzene	0.0028
	m&p-Xylene	0.0024
	Methylcyclohexane	0.00093
	Methylene chloride	0.0031
	o-Xylene	0.0019
	Toluene	0.0094
	trans-1,2-Dichloroethene	0.0027
	Trichloroethene	0.030
	Vinyl chloride	0.084
	Xylenes (Total)	0.0043
14.5-15'	1,1,2,2-Tetrachloroethane	0.0024
	1,2-Dichloroethane	0.010
	4-Methyl-2-pentanone	0.00081
	Acetone	0.012
	Benzene	0.0030
	Chlorobenzene	0.065
	cis-1,2-Dichloroethene	0.014
	Ethylbenzene	0.00070
	m&p-Xylene	0.0013
	Methylene chloride	0.022
	Methyl-t-butyl ether	0.0012
	Toluene	0.035
	trans-1,2-Dichloroethene	0.0027
	Trichloroethene	0.040
	Vinyl chloride	0.0075
	Xylenes (Total)	0.0013

HSI-SB-09		
14-14.5'	1,2-Dichloroethane	0.0047
	Benzene	0.0039
	Chlorobenzene	0.064
	cis-1,2-Dichloroethene	0.040
	Methyl-t-butyl ether	0.0022
	Toluene	0.0038
	trans-1,2-Dichloroethene	0.010
	Trichloroethene	0.0062
	Vinyl chloride	0.0057

HSI-SB-02		
3.5-4'	Chlorobenzene	9.1
	Ethylbenzene	0.78
	m&p-Xylene	4.1
	o-Xylene	1.3
	Toluene	0.31
	Xylenes (Total)	5.4
10-10.5'	1,1,2,2-Tetrachloroethane	0.0063
	1,1-Dichloroethane	0.0011
	1,2-Dichlorobenzene	0.0016
	1,4-Dichlorobenzene	0.00075
	2-Butanone	0.0093
	4-Methyl-2-pentanone	0.0042
	Acetone	0.034
	Benzene	0.083
	Ethylbenzene	0.074
	Isopropylbenzene	0.035
	m&p-Xylene	0.29
	Methylcyclohexane	0.0025
	Methylene chloride	0.0024
	o-Xylene	0.12
	Toluene	0.17
	Xylenes (Total)	0.41
11-11.5'	Benzene	0.098
	Ethylbenzene	0.046
	Toluene	1.2
	Xylenes (Total)	0.14

HSI-SB-08		
3.5-4'	1,2-Dichlorobenzene	0.029
	Chlorobenzene	1.3
	Ethylbenzene	0.11
	m&p-Xylene	0.47
	o-Xylene	0.14
	Toluene	0.49
	Trichloroethene	0.030
	Xylenes (Total)	0.61
8-8.5'	Benzene	0.040
	Chlorobenzene	1.0
	Ethylbenzene	0.15
	m&p-Xylene	0.56
	o-Xylene	0.18
	Toluene	0.053
	Xylenes (Total)	0.74
12-13' (dup)	4-Methyl-2-pentanone	4.1
	Benzene	0.13
	Chlorobenzene	3.7
	cis-1,2-Dichloroethene	0.40
	Ethylbenzene	0.069
	m&p-Xylene	0.27
	o-Xylene	0.076
	Toluene	5.4
	trans-1,2-Dichloroethene	0.068
	Vinyl chloride	1.1
	Xylenes (Total)	0.34
13-13.5'	Benzene	0.0086
	Chlorobenzene	0.20
	Ethylbenzene	0.0019
	m&p-Xylene	0.0071
	Methyl-t-butyl ether	0.0016
	o-Xylene	0.0019
	Toluene	0.0035
	Trichloroethene	0.0033
	Xylenes (Total)	0.0090

HSI-SB-06		
4.5-5'	Chlorobenzene	1.4
	cis-1,2-Dichloroethene	0.17
	Ethylbenzene	0.044
	m&p-Xylene	0.16
	o-Xylene	0.067
	Tetrachloroethene	0.028
	Toluene	0.39
	Trichloroethene	0.54
	Xylenes (Total)	0.23

HSI-SB-05		
4.5-5'	1,2-Dichloroethane	0.10
	Chlorobenzene	0.050
	cis-1,2-Dichloroethene	0.34
	Tetrachloroethene	0.059
	trans-1,2-Dichloroethene	0.076
	Trichloroethene	0.85

HSI-SB-04		
9.5-10'	1,1-Dichloroethane	0.0014
	1,2-Dichloroethane	0.0028
	Benzene	0.0072
	Chlorobenzene	0.097
	cis-1,2-Dichloroethene	0.030
	m&p-Xylene	0.0010
	Methylene chloride	0.0022
	Methyl-t-butyl ether	0.00070
	o-Xylene	0.0014
	Toluene	0.0049
	trans-1,2-Dichloroethene	0.0033
	Trichloroethene	0.0012
	Vinyl chloride	0.14
	Xylenes (Total)	0.0024

HSI-SB-07		
4.5-5'	1,1,2,2-Tetrachloroethane	0.17
	1,2-Dichloroethane	0.087
	Trichloroethene	0.11

HSI-SB-03		
3.5-4'	1,1,2,2-Tetrachloroethane	0.43
	1,1,2-Trichloroethane	0.025
	1,2-Dichloroethane	0.39
	Chlorobenzene	0.057
	cis-1,2-Dichloroethene	0.18
	Tetrachloroethene	0.17
	Toluene	0.042
	Trichloroethene	2.3
10-10.5'	Chlorobenzene	0.33
	Toluene	0.37
11-11.5'	Chlorobenzene	0.19
	cis-1,2-Dichloroethene	0.079
	Toluene	0.082
	Trichloroethene	0.032

HSI-SB-10		
5.5-6'	1,1,2,2-Tetrachloroethane	0.052
	1,2-Dichloroethane	0.070
	Chlorobenzene	0.17
	cis-1,2-Dichloroethene	0.40
	Ethylbenzene	0.053
	m&p-Xylene	0.099
	o-Xylene	0.054
	Tetrachloroethene	0.028
	Toluene	0.040
	Trichloroethene	0.24
	Xylenes (Total)	0.15
7-7.5'	Benzene	0.031
	Chlorobenzene	0.81
	cis-1,2-Dichloroethene	0.81
	Ethylbenzene	0.045
	Toluene	0.063
	Vinyl chloride	0.75
8-8.5'	1,1,2,2-Tetrachloroethane	0.028
	1,1,2-Trichloroethane	0.0043
	1,2-Dichloroethane	0.018
	Acetone	0.019
	Benzene	0.0018
	Chlorobenzene	0.052
	cis-1,2-Dichloroethene	0.059
	Tetrachloroethene	0.0035
	Toluene	0.0030
	trans-1,2-Dichloroethene	0.0019
	Trichloroethene	0.061
	Vinyl chloride	0.010

Data Legend

Sampling Dates: September 28 - October 1, 2020

0.031 Detected Analyte Concentration (ppm)

(dup) Duplicate sample collected. Higher concentration reported herein.

2.7 Detected analyte concentration exceeds the respective MDE Residential Soil Clean-up Standard.

20 10 0 10 20 40

GRAPHIC SCALE: 1" = 40'

N

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410-740-1911
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FIGURE 11

SUBSURFACE SOIL CONTAMINANT DISTRIBUTION MAP - DETECTED VOCs

Montgomery Brothers Dump
Inverness Drive
North East, MD 21901

CGS Project No. CG-09-0423.10
Prepared by: M. Walsh
Date: 11-24-2020

LEGEND

- Site Property Boundary
- Other Property Boundary
- Limits of Clay Cap Installed in 2007
- Drainage Easement
- Guard Rail
- Mapped Center Line of Stream Segment
- Groundwater Monitoring Well
- SubSurface Soil Sampling Location
- Fencing Related to 105 and 107 Inverness
- AOC Outline
- Existing structure on 105 and 107 Inverness
- Limited Access Area

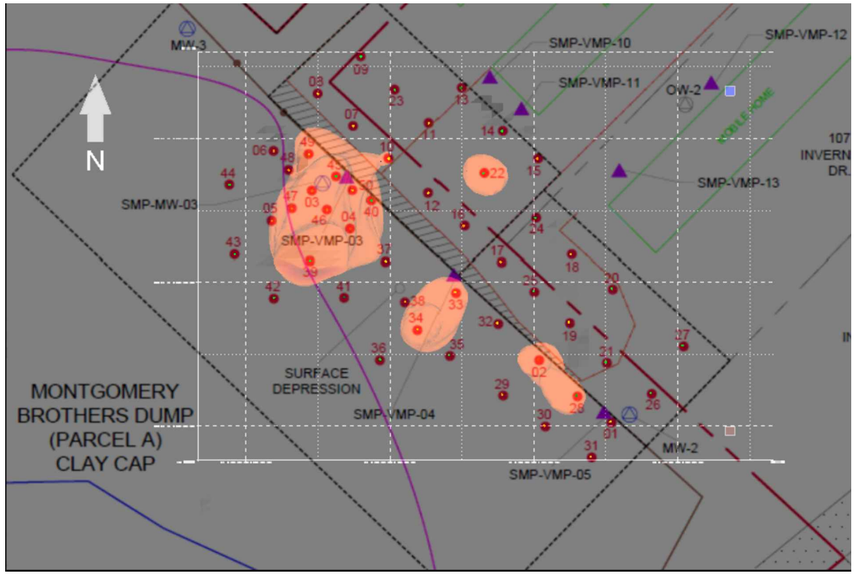

FIGURE 16A: PLAN VIEW

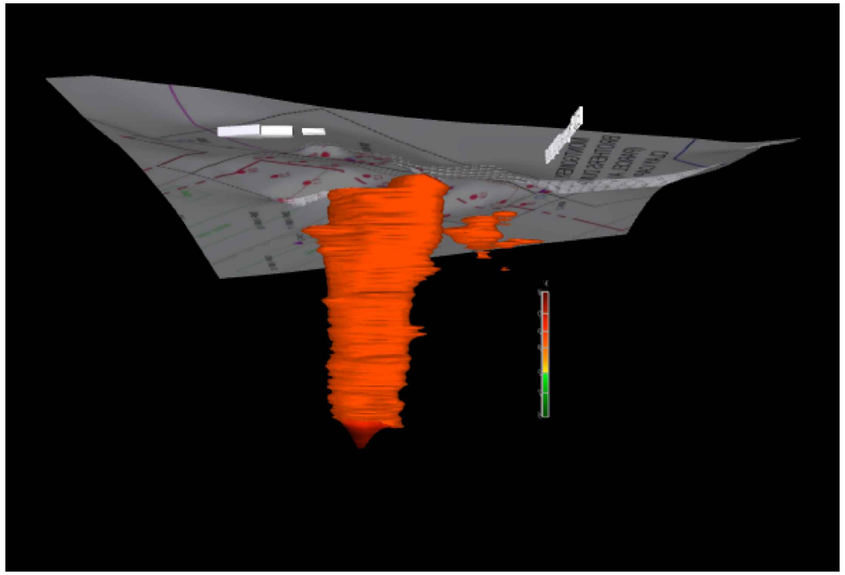

FIGURE 16B: VIEW FROM WEST

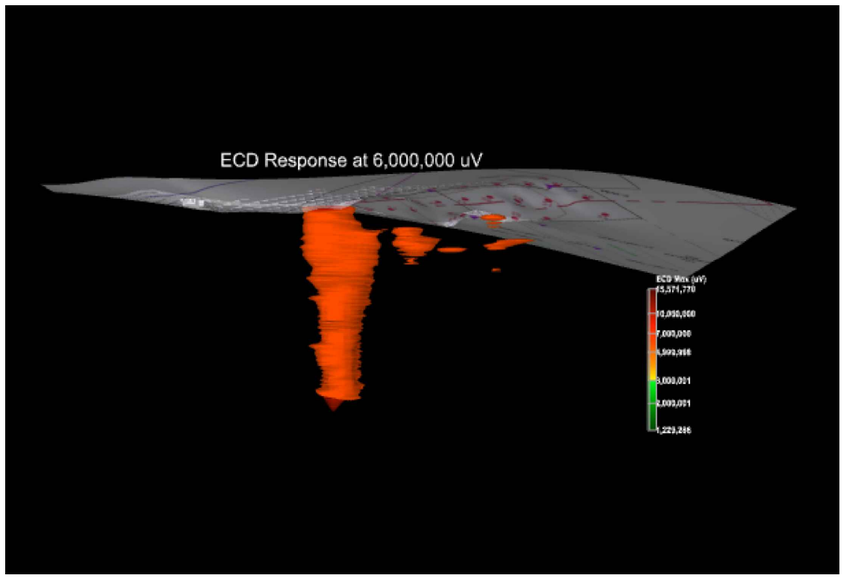

FIGURE 16C: VIEW FROM SOUTH

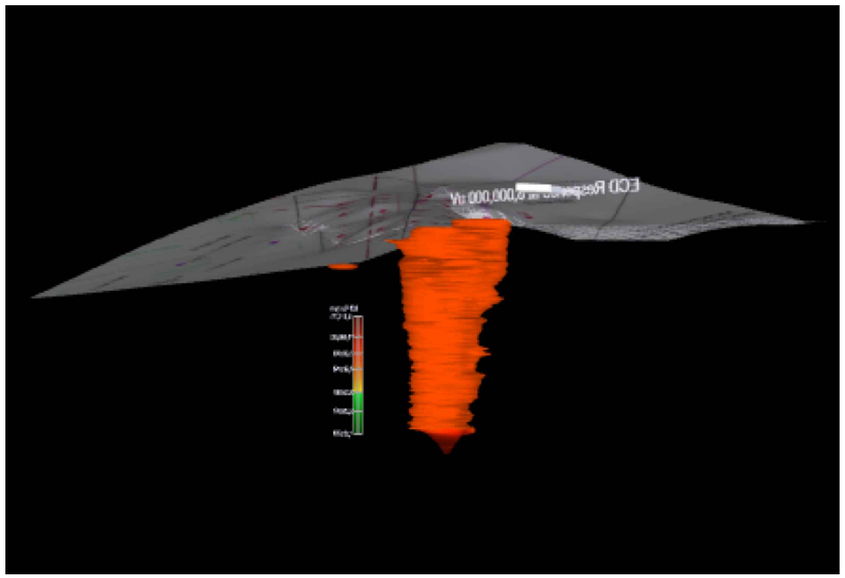

FIGURE 16D: VIEW FROM NORTHWEST

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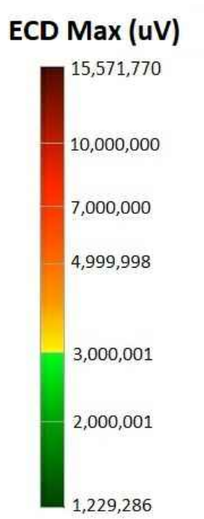
FIGURE 16

HRSC SURVEY THREE DIMENSIONAL MODEL ECD AT 6,000,000 µV

Montgomery Brothers Dump
Inverness Drive
North East, MD 21901

CGS Project No. CG-09-0423.10
Prepared by: M. Walsh
Date: 11-24-2020

LEGEND



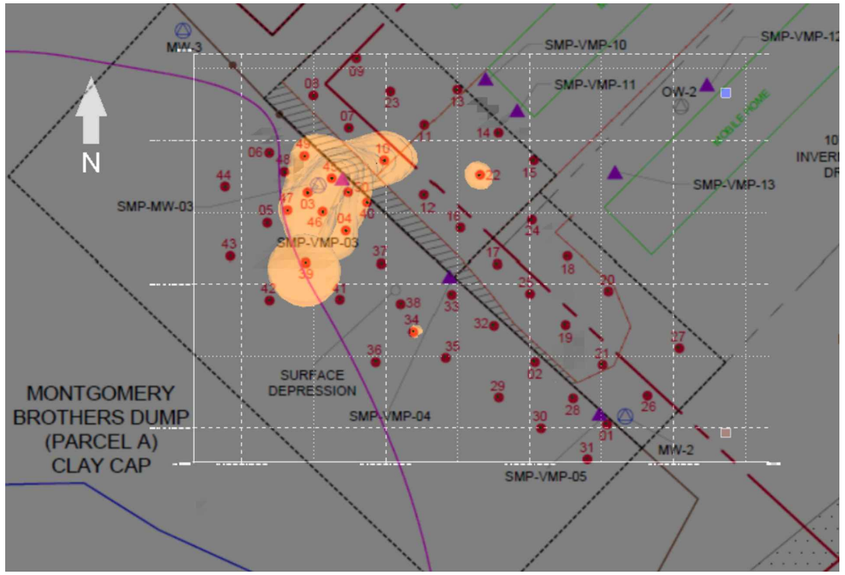


FIGURE 19A: PLAN VIEW

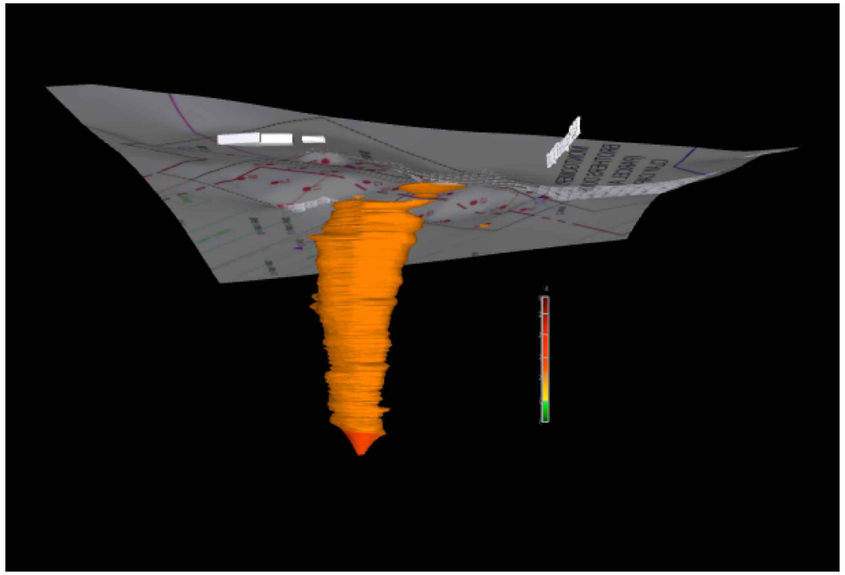


FIGURE 19B:VIEW FROM WEST

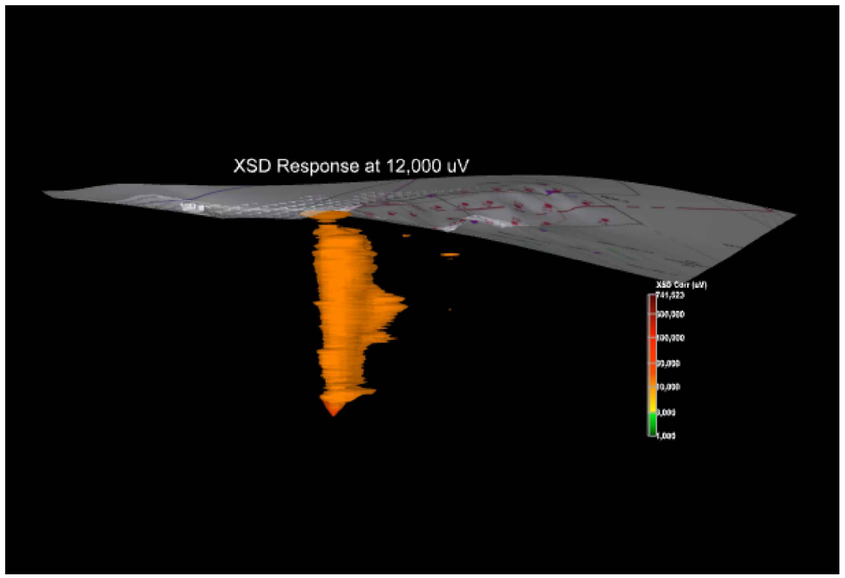


FIGURE 19C: VIEW FROM SOUTH

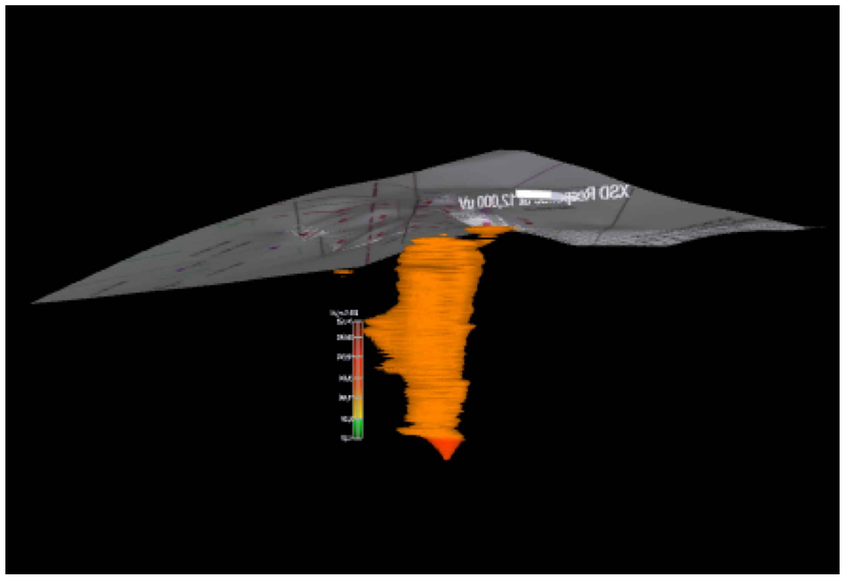


FIGURE 19D: VIEW FROM NORTHWEST

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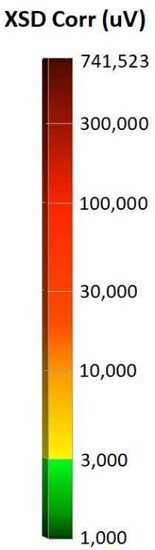
FIGURE 19

HRSC SURVEY THREE DIMENSIONAL MODEL XSD AT 12,000 µV

Montgomery Brothers Dump
Inverness Drive
North East, MD 21901

CGS Project No. CG-09-0423.10
Prepared by: M. Walsh
Date: 11-24-2020

LEGEND



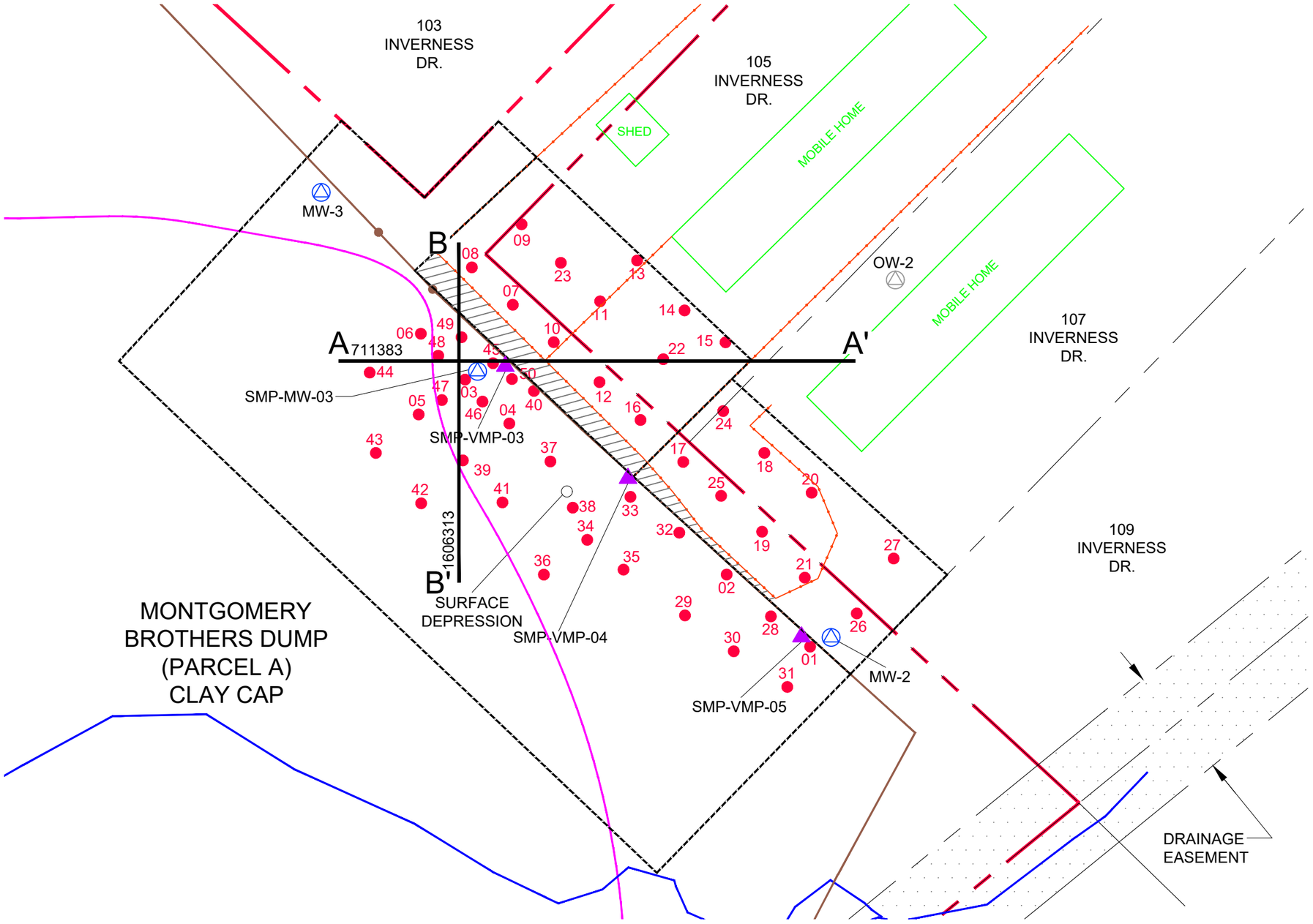


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FIGURE 20

HRSC SURVEY CROSS-SECTION LOCATION MAP

Montgomery Brothers Dump
Inverness Drive
North East, MD 21901

CGS Project No. CG-09-0423.10
Prepared by: M. Walsh
Date: 11-24-2020

LEGEND

- Site Property Boundary
- Other Property Boundary
- Limits of Clay Cap Installed in 2007
- Drainage Easement
- Guard Rail
- Mapped Center Line of Stream Segment
- Groundwater Monitoring Well
- Vapor Monitoring Point
- Abandoned Groundwater Monitoring Well
- 01 HRSC Boring Location
- Fencing Related to 105 and 107 Inverness
- AOC Outline
- Existing structure on 105 and 107 Inverness
- Limited Access Area

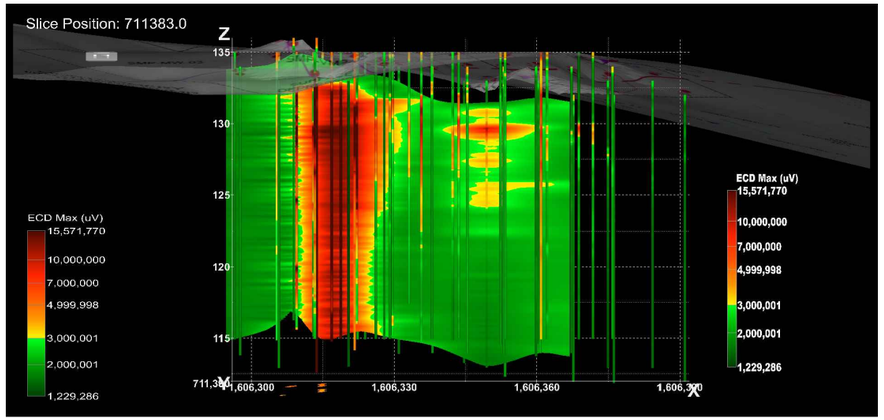

FIGURE 21A: ECD

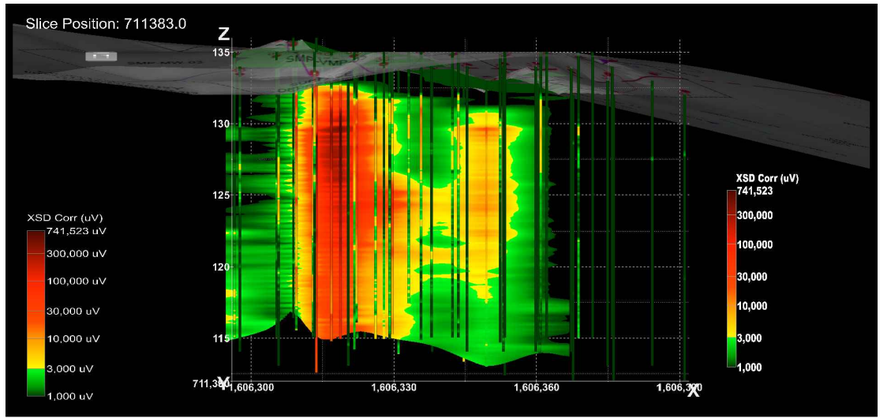

FIGURE 21B: XSD

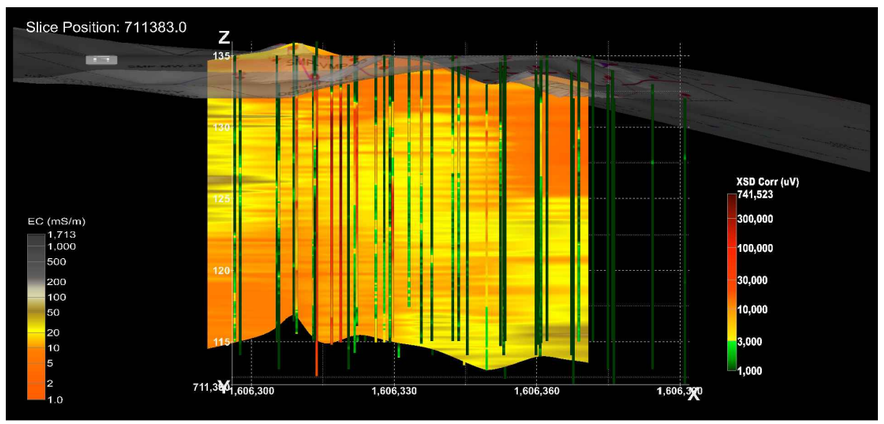

FIGURE 21C: EC

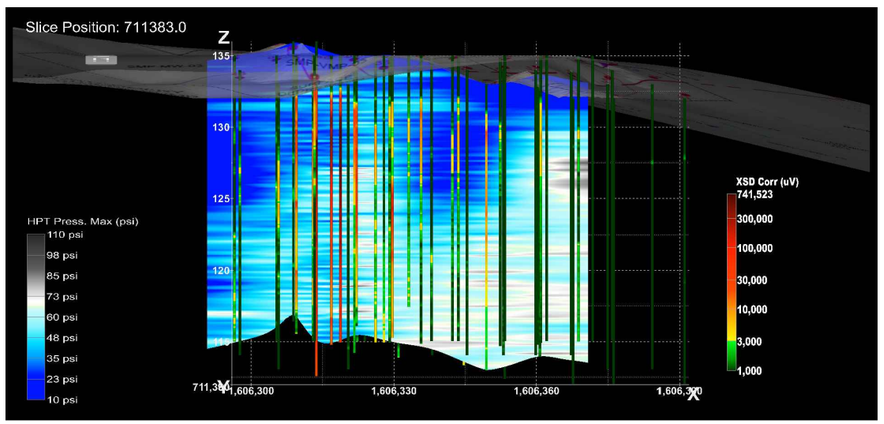

FIGURE 21D: HTP PRESSURE

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FIGURE 21

HRSC SURVEY CROSS-SECTION A-A' NORTHING: 711383 INTERSECTING: 44, 48, 45 AND 22

Montgomery Brothers Dump
Inverness Drive
North East, MD 21901

CGS Project No. CG-09-0423.10
Prepared by: M. Walsh
Date: 11-24-2020

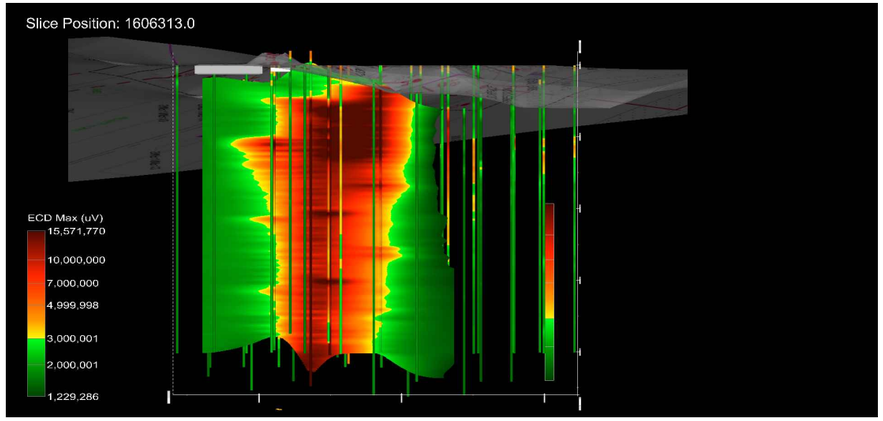

FIGURE 22A: ECD

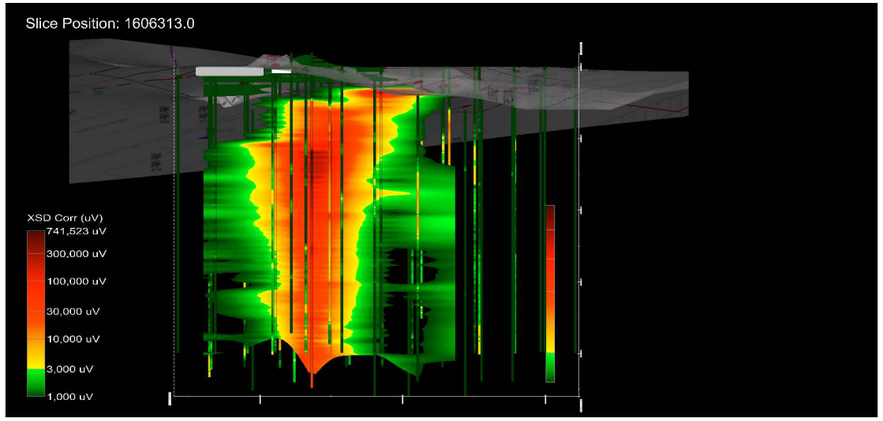

FIGURE 22B: XSD

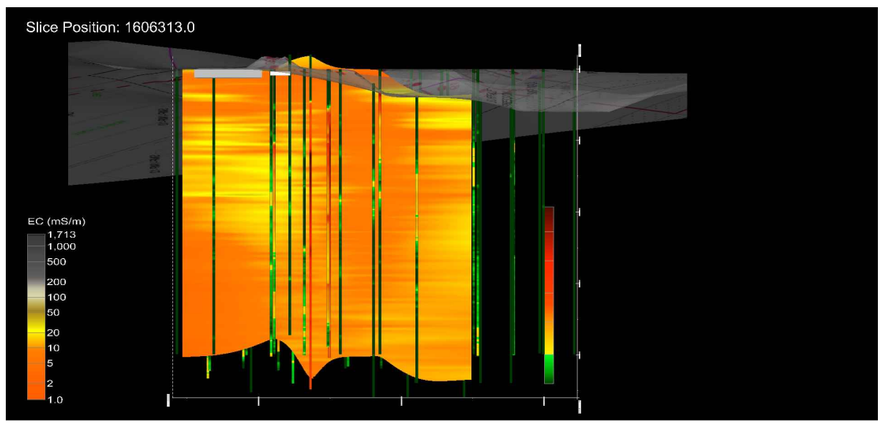

FIGURE 22C: EC

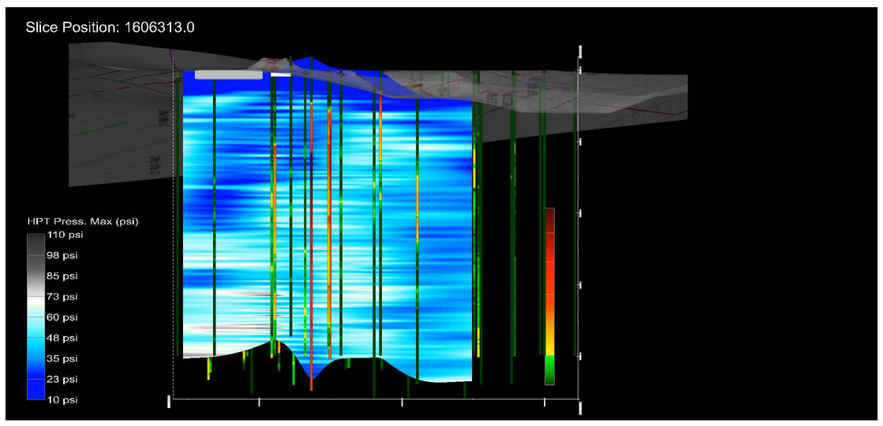

FIGURE 22D: HTP PRESSURE

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FIGURE 22

HRSC SURVEY CROSS-SECTION B-B' EASTING: 1606313 INTERSECTING: 49, 03 AND 39

Montgomery Brothers Dump
Inverness Drive
North East, MD 21901

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Prepared by: M. Walsh
Date: 11-24-2020